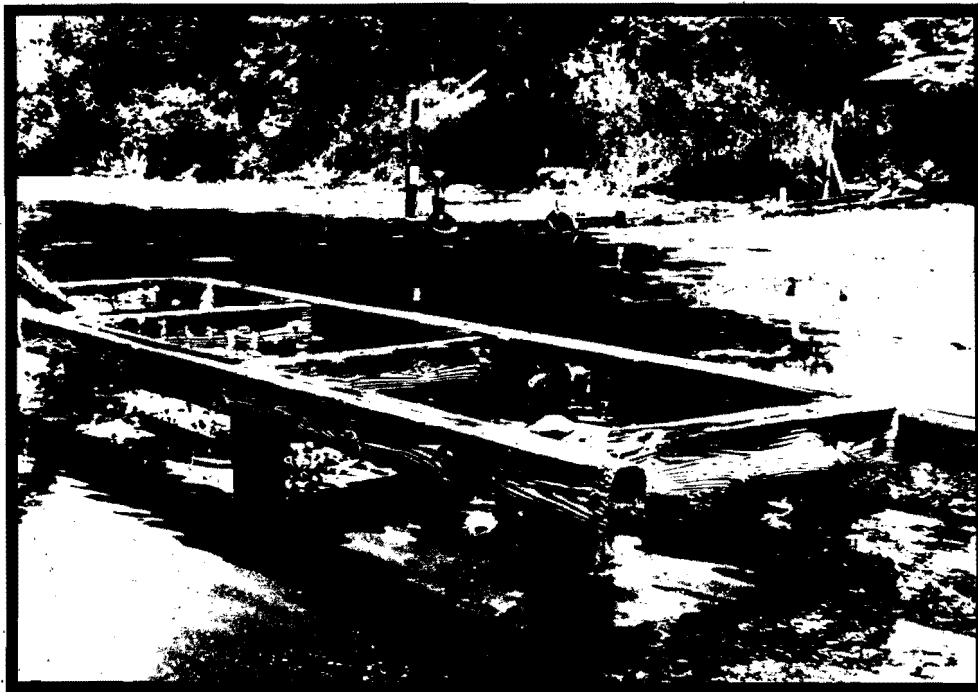


I & RM

OIL AND GAS WELL
PLUG AND ABANDONMENT REPORT FOR
JEAN LAFITTE NATIONAL HISTORIC PARK AND PRESERVE



U.S. DEPARTMENT OF INTERIOR
NATIONAL PARK SERVICE
LAND RESOURCES DIVISION
MINING AND MINERALS BRANCH
August 21, 1990

Oil And Gas Well
Plug and Abandonment Report For
Jean Lafitte National Historic Park and Preserve

Prepared by
Mining and Minerals Branch
Land Resources Division
National Park Service

Kean Boucher
August 21, 1990

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Oil and Gas Map

Jean Lafitte National Historic Park and Preserve Oil And Gas Map (See pocket inside back cover)

Jean Lafitte National Historic Park and Preserve Report

Purpose

This report supplies the park with information as to the best methods and means to plug and abandon 10 wells in Jean Lafitte National Historic Park and Preserve. These wells were drilled between 1954 and 1966 and are currently a navigational hazard in the Barataria Unit of the park. The report also supplies a cost analysis of each operation, and what means or funds are available for completing these projects, including approaching the former operator or their successor. Included in the Appendix are copies of the original well files from the Department of Conservation, State of Louisiana, recommended plug and abandonment procedures, original bids for the plug and abandonment of each well, a list of operators, and an oil and gas well map of the Barataria Unit.

Background

Congress designated Jean Lafitte National Historic Park and Preserve's (JELA's) current boundaries on November 10, 1978, "In order to preserve for the education, inspiration, and benefit of present and future generations significant examples of natural and historic resources of the Mississippi Delta Region and to provide for their interpretations in such manner as to portray the development of cultural diversity in the region,...". Oil and gas development was addressed in the following language codified under 16 U.S.C. 230(a): "In acquiring property pursuant to this part, the Secretary may not acquire right(s) to oil and gas without the consent of the owner, but the exercise of such rights shall be subject to such regulations as the Secretary may promulgate in furtherance of the purposes of this part."

The inventory of oil and gas operations at JELA in June of 1988 recorded the presence of one active well, one abandoned well, and 44 plugged wells in the Barataria Unit's Core Area and Protection Zone. The active well, permit number 89884, owned by Sonat Exploration is in the Bayou Segnette Field, in the park's Protection Zone. The abandoned well, permit number 69462, has subsequently been plugged and abandoned by Chevron U.S.A., Incorporated. The 44 plugged wells are interspersed throughout the Core Area and the Protection Zone. Thirty-four of these wells were not located and confirmed because the wellheads were cut-off either at or below canal mud line or below dry land surface. The remaining 10 wells have exposed casing in the canals of the Barataria Unit and are the subject of this report.

The ten wells present a navigational hazard. Material damage or bodily injury may occur if a boat or person were to accidentally encounter either the wellhead or the pylons surrounding the well. On one occasion, park personnel collided with one of the subject wells and damaged the undercarriage of their boat. Other problems and liabilities can be expected if the wells are to remain in their current fashion. A map of the Barataria Unit with the location of all oil and gas wells and the highlighted 10 subject wells is located in the pocket of the inside back cover.

Assessment Of Plugged And Abandoned Wells

Plug and abandonment reports from the Department of Conservation, State of Louisiana were found for all 10 subject wells (Appendix A). All plugging procedures were completed according to the State's regulations at the time. These reports show well casing was cemented below the "Underground Source Drinking Water" zones (approximately 1000 feet). A plug at the shoe of the casing was then set which prevented fluids from entering the wellbore. These procedures were adequate for securing the fresh water zones and stopping migratable fluids from contaminating these zones. However, a wide variety of surface plugging methods were used, allowing some wells to be inadequately plugged at the surface (according to today's standards). In these cases, the old surface plug should be removed and a new plug installed.

In all cases, the surface casing should be removed to at least 10 feet below the mud line. This can be accomplished using several methods: mechanical cutters, sand blast cutters, jet cutters, primer cord on the exterior of the casing, and appropriately placed dynamite sticks. This "10 foot" requirement is consistent with Section XIX (j) of the State Of Louisiana, Department of Conservation's Statewide Order Number 29-B. A copy of this order is presented in Appendix B.

The wood pylons surrounding five of the wells should also be removed to at least 10 feet below the mud line. All debris should be permanently removed from the park including the casing strings and wood pylons. MMB's recommended plugging procedures for each individual well are contained in Appendix C. These plugging recommendations are based on the former plugging procedures found in the State of Louisiana's records. If these records are determined to be incorrect, additional plugs may be necessary, and MMB should be contacted for revised plugging procedures.

The park can expect to see several pieces of equipment and a specialized crew during the plugging operations. This equipment includes one 120'x 35' work barge supporting the drilling rig, one 90'x 30' flat barge to carry miscellaneous equipment, one 40'x 12' tug boat, and a 16' or 18' crew boat. The crew ranges from four to five individuals, normally one toolpusher, one driller, one derrickman, and one or two floormen. This equipment and the operating personnel can be expected to be on each site for 1 to 2 days unless unexpected problems arise.

Canal Removal

Once all wells have been properly plugged, the park may wish to consider blocking the entrance/exit to the canals. As noted in MMB's trip report of August 23, 1988, "before this land was part of the National Park System, these canals were cut to allow drilling barges access to their well locations. The canals have subsequently increased in width as the canal walls deteriorate from the constant wave action from passing boats." The blockage of the canals would retard any further deterioration of the canal's walls. "If successful, the next step would be to attempt some effort to revegetate and fill in the canals. Since bringing in enough fill material would obviously be unmanageable and extremely expensive, other alternatives for revegetation should be explored".

Cost Analysis

A cost analysis for properly completing the plugging of the 10 wells was prepared to better plan for the securing of funds. Three representative companies were contacted within the New Orleans area which have completed plugging jobs within the last year. These companies include: Barrios Well Service, Dimensional Oilfield Services, and Galaxy Wireline, Incorporated. The timeframe for this report did not allow for the companies to visit each well site. Therefore, the following cost estimates should be considered very generic, and can change once the sites are actually visited.

The costs are broken down to reflect both the day rate (individual rental fees for each piece of equipment) and the cost of completing a turnkey (all inclusive) operation. Since the National Park Service would not be the actual plugging operator, the day rate should only be used to budget funds and judge the appropriateness of the final contract cost.

The day rate of all the required equipment including the drilling rig, tug boat, spud barge, and work barge, and a five men crew averages \$3,900.00. Assuming the 10 wells could be completely plugged and all casing strings pulled within 12 days, the entire operation would cost \$46,800.00. The turnkey operation averages \$5,150.00 per well, and would be a flat cost of \$51,500.00 for all 10 wells. The three company's written proposals are located in Appendix D.

Operators

The 10 operators of these wells range from large multinational corporations to companies who have been completely dissolved and whose assets were disposed of at least 20 years ago. The large corporations include Mobil Oil Corporation, Chevron U.S.A., Incorporated, and Occidental Petroleum Corporation. Once the health and safety and potential liability problems are presented to the appropriate personnel of these companies a good response should be expected, and the possibility of their cooperation in the reimbursement of the associated costs is very good. The smaller companies, or those companies whose relationship with the original company is tenuous at best, may be unwilling or unable to lend support to the resolution of this problem. Other avenues for funding should then be explored. The park could obtain funds through the normal budget process or from special accounts such as the Service's Cyclic Maintenance fund and the Natural Resource Preservation Program. Appendix E has a listing of the individual companies.

Recommendations

1. The 10 subject wells should be plugged and abandoned in accordance with the recommended materials and methods. The Mining and Minerals Branch is available to provide assistance in completing the plugging contract, such as, providing information for the scope of work and reviewing individual contractors. Also, our personnel could be made available during the negotiations with the contractor or original operator.
2. JELA should consider the pursuit of funds or the willingness to plug the appropriate wells from all former operators or their successors. If funds are unavailable from these companies, the park should aggressively pursue funds from their normal budget process through the Southwest Region or through special accounts such as the Service's Cyclic Maintenance fund or the Natural Resource Preservation Program.
3. A petroleum engineer or a person with like expertise should oversee the plugging operations. A petroleum engineer from the Mining and Minerals Branch can be made available to assist the Park. The park may also pursue the oversight for these wells from the State of Louisiana, Department of Conservation.
4. JELA should determine if the canals should be closed in conjunction with the plugging of the wells. If this would be proper, requests for monetary appropriations from the original operator or their successor should be made. If the appropriations cannot be obtained in this manner other methods should be pursued as discussed in recommendation number "2".

Appendix A - Original Well Records

William G. Helis 1 (51700).....	6
Mobil Oil Corporation 1 (51724).....	9
Rosewood Corporation 1 (56312).....	16
Unity Hunt Resources 1 (58327).....	22
Chevron U.S.A. Incorporated 1 (70192).....	30
F. A. Callery 1 (83959).....	40
CNG Producing Company 1 (98559).....	42
Enron Oil & Gas Company 1 (99887).....	47
Davis Petroleum Corporation 1 (101624).....	49
Occidental Petroleum Corporation 1 (115363).....	55

1900 & 1901 V. ...
northwest land plat. of 16. ...
one plus 16. 1 from 1901 to 1902 ...

W. S. Conliffe

NEW ORLEANS

Form DM-48

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

- PLUG AND ABANDON RECORD -

TEMPORARY ABANDONMENT

DATE WORK DONE March 22, 1934

WORK PER IT NO. 5172
WELL SERIAL NO. 5172

(Three copies to be filed with the District Office)

NOTE:

THIS REPORT WILL BE RETURNED IF NOT PROPERLY FILLED IN AND SIGNED

PARISH Jefferson FIELD Wilcox SEC TO TRIPLEX RGE 23-2
COMPANY Estate of W. G. Hall LEASE Small M. & Tr. Co. WELL NO. 1
TOTAL DEPTH 10,200 CONDITION OF WELL Good

(1) SURFACE CASING (SIZE) 10-3/4" DEPTH 3000' AMOUNT PULLED None
(2) PROTECTION CASING (SIZE) None DEPTH None AMOUNT PULLED None
(3) PRODUCTION CASING (SIZE) None DEPTH None AMOUNT PULLED None

- CEMENT PLUGS -

(1) DEPTH 2000' TO 3000' NO. OF SACKS 100 HOW PLACED Ballston
(2) DEPTH 140' TO 190' NO. OF SACKS 25 HOW PLACED Ballston
(3) DEPTH None TO None NO. OF SACKS None HOW PLACED None
AND RECORD WEIGHT 11.6 VISCOSITY 45

REMARKS: After setting plugs, a 10-3/4" x 2" spreader was placed on top of 10-3/4"
casing with a 2" Cameron valve for temporary abandonment.

THIS WORK WAS DONE ACCORDING TO THE RULES AND REGULATIONS OF THE DEPARTMENT OF CONSERVATION.

Estate of William G. Hall

SIGNED: _____
COMPANY

Representative

Witnessed by _____

Inspector _____ DISTRICT

Form
Add - HD1



3

1924

DEPARTMENT OF CONSERVATION
PERMIT TO DRILL FOR MINERALS

PARISH JEFFERSON BATON ROUGE, LA. MARCH 25 1924
FIELD WILCOX

OPERATOR ESTATE OF WM. S. HALL
ADDRESS 512 WHITNEY BLDG. - NEW ORLEANS, LA.

LOCATION OF WELL
1900' SOUTH AND 2200' EAST OF NW/CORNER OF SEC. 79, T-14-S,
R-22-E SOUTHEAST LAND DIST. OF LA. WEST OF THE MISSISSIPPI
RIVER - - - - - IN SEC. 79, T-14-S, R-22-E

You are hereby authorized to drill CANAL BANK & TRUST CO.
Well No. 1 referred to under application bearing serial No. 51790
dated MARCH 19, 1924 signed by J. A. RABISON, JR.
This well to be drilled to 11,000' - - - - - zone on surface area of - - - - -
DRILLING CONTRACTOR

STATE OF LOUISIANA
DEPARTMENT OF CONSERVATION

[Signature]
Commissioner, Department of Conservation

[Signature]
District Engineer, Division of Minerals

Form MD-20-B

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

WORK PERMIT

PERMIT TO DRILL & ABANDON DATE April 29, 1924
PARISH Jefferson FIELD WILCOX
COMPANY Estate of William S. Hall
ADDRESS 512 Whitney Bldg., New Orleans, La.
WELL NAME Canal Bank Trust Co. No. 1 SEC. 79 T. 14 S. 22 E.
WELL SERIAL NO. 51790 WORK PERMIT NO. 44-24
LOCATION 1900' S & 2200' E of NW/Corner of Sec. 79, T-14-S, R-22-E
Southeast Land Dist. of La. West of the Mississippi.
Set Plug from 1000' to 1050' w/700
and plug No. 1 from 100' to 1050' w/11' and temporarily abandon
to 10,000'

PERMIT REQUESTED BY W. S. Conliffe Company Representative
AUTHORIZED BY [Signature]
New Orleans District Office

Form D28-42

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

- PLUG AND ABANDON RECORD -

TEMPORARY ABANDONMENT
DATE WORK DONE April 29, 1924 WORK PERMIT NO. 44-24
WELL SERIAL NO. 51790

(Three copies to be filed with the District Office)

NOTES
THIS REPORT WILL BE RETURNED IF NOT PROPERLY FILLED IN AND SIGNED

PARISH Jefferson FIELD WILCOX SEC. 79 T. 14 S. 22 E.

CANAL BANK AND TRUST CO. IN LIQ.

SEC 77

E A S T

LOUISIANA

LAND

AND

EXPLORATION CO.

SEC.

CANAL BANK & TRUST CO. IN LIQ.

PROPOSED LOCATION
ESTATE OF WM G HELIS
CANAL BANK AND TRUST CO NO 1

79

WEST

NOW OR FORMERLY SIDNEY HOGAN

SEC 84

PLAT SHOWING PROPOSED LOCATION OF ESTATE OF WM G HELIS
CANAL BANK AND TRUST CO NO 1, JEFFERSON PARISH, IN SEC 79
T 14 S. R 23 E SE LAND DIST. OF LA. WEST OF THE MISSISSIPPI RIVER
LOCATION WAS STAKED AS SHOWN BY SURVEY MADE BY US MARCH
18, 1954 FOR THE ESTATE OF WM. G HELIS.

S. P. AND R. B. BORDAN
CADASTRAL ENGINEERS
510 CAROLLETT ST
NEW ORLEANS, LA

STATE OF LOUISIANA
MINERALS DIVISION
DEPARTMENT OF CONSERVATION

WELL LOCATION CERTIFICATION

I, J. A. Lovell, hereby certify that the
Location of (Operator) The Superior Oil Co.
City of New Orleans Well No. 1
Field, Jacques Parish,
Louisiana, has been staked by me and is as follows:

This well is located on the property of Edw. Wiser
Location to the City of New Orleans, in Section 33, T. 14 S., R. 23 E.
at 660 feet North and 1935 feet West of the South East corner
section 33, T. 14 S., R. 23 E. as delineated on map prepared by
the undersigned bearing date March 10, 1954.

Sec: 33 T: 14 R: 23
Signed: [Signature]
Lionel S. Major of C.M.
Engineer No. 25
State of Louisiana
Employee of Self

NEW YORK 100-111111-111111
 PERMIT NO. 111111
 AUTHORIZED BY 111111
 DISTRICT OFFICE

DEPARTMENT OF CONSERVATION
 DIVISION OF OIL AND GAS

WELL LOG

WELL NO. 111111
 WELL NAME 111111

(Three copies to be filed with the District Office)

WELL NO. 111111 WELL NAME 111111
 LOCATION 111111 FIELD 111111 TOWN 111111
 COUNTY 111111 STATE 111111 CITY 111111 WELL NO. 1
 OPER. 111111 CONDITION OF WELL Dry hole

Casing (Size) 13 3/8 DEPTH 8497' AMOUNT FILLED
 Casing (Size) 17 1/2 DEPTH 10703' AMOUNT FILLED 8497'
 Casing (Size) _____ DEPTH _____ AMOUNT FILLED _____
 - CEMENT FLOWS -
 NO. OF SACKS 80 HOW PLACED Displaced
 NO. OF SACKS 190 HOW PLACED Displaced
 NO. OF SACKS 75 HOW PLACED Displaced
 VISCOSITY 50 sec.

WELL LOG ACCORDING TO THE RULES AND REGULATIONS OF THE DIVISION OF OIL AND GAS



BY THE SUPERIOR OIL COMPANY
 REPRESENTATIVE Bm Landry

Witnessed by _____
 Inspector _____

Form
 100-111111

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

WORK PERMIT

PERMIT TO PLUG & ABANDON DATE May 24, 1954
PARISH Jefferson FIELD Willet
COMPANY The Petroleum Oil Company
ADDRESS Oil & Gas Building, Houston, Texas
WELL NAME Orly of Bay Orleans N 1 SEC 32 T 14S R 2E
WELL PERMIT SERIAL No. 51784 WORK PERMIT No. 52-84
LOCATION 2500' East & 600' North of St. Cyr.

YOU ARE HEREBY AUTHORIZED TO PLUG & ABANDON WELL NO. 51784 SEC. 32, T. 14S, R. 2E
FROM 2500' & 600' FROM 2500' & 600' WITH 100' W.

PERMIT REQUESTED BY W. S. Prange TO 11,500'
Company Representative

AUTHORIZED BY W. S. Prange
May 24, 1954
District Office

Form DM-4B

✓
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

WILLET AND ABANDON PERMIT

DATE 5-24-54

WELL NO. 51784

(Three copies to be filed with the District Office)

NOTE: THIS PERMIT IS RETURNED TO YOU FROM THE DISTRICT OFFICE

PARISH Jefferson FIELD Willet SEC 32 T 14S R 2E

LOCATION OF WELL BOTTOM

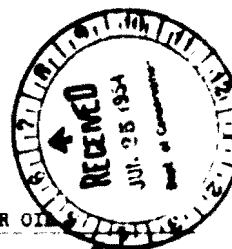
Latitude _____ N _____ Departure _____ N _____ As _____
 Drilling Contractor **T. A. M. Drilling Co.** Signed *[Signature]*
 Date **JUNE 17** 19 **54** Title **ENGINEER**
 Form No. 10-2-2 OC-4

DOLLAR'S LOG

From	To	Type of Formation	From	To	Type of Formation
	2497	Shale			
	3403	Shale			
3403	6341	Shale & Sand			
6341	7109	Shale & Sand			
7109	7940	Shale			
7940	8265	Shale			
8265	8364	Shale			
8364	8750	Shale			
8750	8864	Sand & Shale			
8864	9268	Shale			
9268	9536	Shale			
9536	9739	Shale			
9739	9939	Shale			
9939	10127	Shale			
10127	10251	Sand & Shale			
10251	10324	Shale			
10324	10417	Shale			
10417	10507	Shale			
10507	10564	Shale & Sand			
10564	10687	Shale			
10687	10703	Sand			
10703	10756	Hard Shale			
10756	10799	Sand & Shale			
10799	10855	Hard Shale			
10855	10904	Sand & Shale			
10904	10984	Shale			
10984	11024	Shale & Sand			
11024	11147	Sand & Shale			
11147	11164	Shale			
11164	11209	Shale			
11209	11234	Shale			
11234	11257	Shale			
11257	11283	Shale			
11283	11305	Hard lime & shale			
11305	11317	Hard lime & shale			
11317	11338	Hard sand & shale			
11338	11342	Hard sand			
11342	11370	Hard sand & lime			
11370	11427	Sand & Shale			
11427	11510	Shale			
11510					

CONTRACTOR WILLIAM B. BRYAN DRILLING
 STATE OF LOUISIANA
 DEPARTMENT OF CONSERVATION
NEW ORLEANS, LA.

STATE OF LOUISIANA
 DEPARTMENT OF CONSERVATION
 MINERALS DIVISION



LOG OF WELL

WILDCAT

COMPANY THE SUPERIOR OIL

Jefferson

Sec. 83 Twp. 14S Rge. 23E Elevation

Derrick Floor 21

Ground

Location 1900' West and 660' North of SE/Corner of Section 83

City of New Orleans Well No. 1 Permit No. 36264 Permit Serial No. 51724

The data given herewith is a complete record of the well and all work done thereon as determined from all available records

Bottom Drilling 3-19 1954 Completed 5-20 1954
 Completed as Oil () Gas () Condensate () Dry (X) Well

OIL AND GAS ZONES		SALT WATER SANDS		FRESH WATER SANDS				
From	to	feet	In zone of production	From	to	feet		
From	to	feet	From	to	feet	From	to	feet
From	to	feet	From	to	feet	From	to	feet

DRILL STEM TESTS

Depth	Seal	Bottom	Recovery in Strands			Chosen		Lbs. Pressure		Date	Time	Sec. D. S.
			Oil	Water	Sd. or Mud	Top	Bottom	Top	Bottom			

CASING RECORD

Size	Wt. Per Foot	Make	Where Landed	No. of Sls. Cement	Stand Height	Pressure Test, Lbs.
6"	21	Conductor	163'	100 Sacks	12	---
4 3/8"	24.5#	J-55	2497'	1000 Sacks	24	2300#
4 1/2"	33.7#	H-80	10,703'	850 Sacks	48	2400#

COMPLETION DATA

Line Size Weight Length Screen Size Gage Length
 Casing Perforation (prod. depth) from to ft. No. of holes
 Acidified with gallons Other physical or chemical treatment of well to induce flow
 First began 19 Making bbls/day of A P I. Gravity Fluid on Casing
 Last Pres lbs/sq. in. Csg. Pres lbs/sq. in. Gas Vol. M C F Gas Oil Ratio
 B. S. & W % Gas Gravity B. T. U's M C F Gals Gasoline M C F

WELL DATA

Indicate (yes or no) whether or not the following information was obtained.

First Log Yes Date 5-20 1954 Straight Hole Survey Type Eastern
 First Logging record Other Types of Hole Survey Type
 Log Analyst Depth to
 to

LOCATION OF WELL BOTTOM

Elevation ft Departure ft Average Inclination Vertical Correction
 Drilling Contractor T. & W. Drilling Co. Signed Stinson R. Burris
 Date June 17 1954 Title ENGINEER

SUPPLEMENTAL PERMITS NO. 1
CITY OF NEW ORLEANS
1992

1907 T 14 S

Permit 51774

WELL LOCATION
OIL CO.-CITY OF NEW ORLEANS NO. 1
SECTION 83; T14S, R 23E
JEFFERSON PARISH, LA.
E 1" - 1000'
MARCH 10, 1954
J A LOVELL, C.E.

Oil Permit 51774

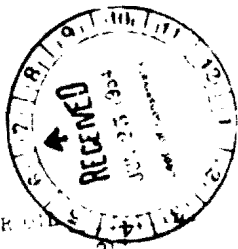
Permit 51774
BAYON ROUGE OFFICE COPY
No. 36261
DEPARTMENT OF CONSERVATION
PERMIT TO DRILL FOR MINERALS

BAYON ROUGE, LA. MARCH 25 1954
PARISH JEFFERSON FIELD WILCOAT
OPERATOR THE SUPERIOR OIL COMPANY
ADDRESS OIL & GAS BUILDING, HOUSTON, TEXAS
LOCATION OF WELL
1280' WEST AND 660' NORTH OF SE/CORNER
SECTION 83 T14-S R23-E
You are hereby authorized to drill CITY OF NEW ORLEANS
Well No. 1 referred to under application bearing serial No. 51774
dated MARCH 18 1954, signed by Mr. L. F. FRANKS
This well to be drilled to 12,000' some on surface area of _____ acres
DRILLING CONTRACTOR T & W DRILLING COMPANY, 1407 MAY 1st ST. OF COM.
STATE OF LOUISIANA, MERSE, NEW ORLEANS, LA.
DEPARTMENT OF CONSERVATION
Commissioner, Department of Conservation
Form 200-1-2
Official Stamp
OFF 200-1-24

STATE OF LOUISIANA
DEPARTMENT OF CONSERVATION
MINERALS DIVISION

LOG OF WELL

COMPANY THE SUPERIOR OIL



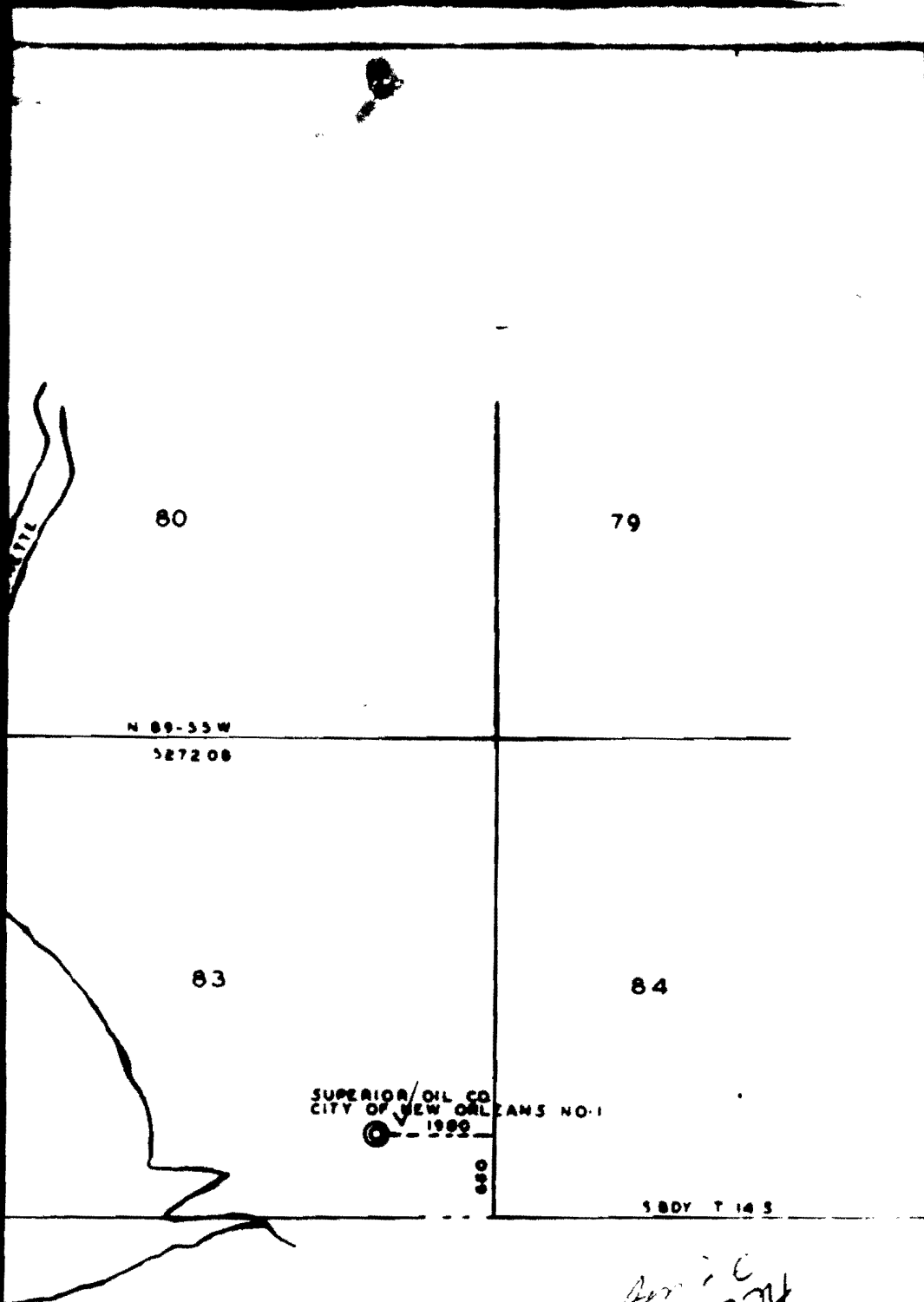
FIELD WILCOAT

Sec. 83 Twp 14S R. 23E Elevation _____

West and 660' North of SE/Corner of Section 83
CITY OF NEW ORLEANS Well No. _____

Permit No. 36264

Permit Serial No. 51774



WELL LOCATION
OIL CO.-CITY OF NEW ORLEANS NO.1
SECTION 83; T14S R 23E
JEFFERSON PARISH, LA.
1" = 1000'

MARCH 10, 1954

Sec 83
517.74
Al. D. Smith
3/10/54

16

2360-2360-1
 PERMIT REQUIRED BY E. L. Williams TO 1234
 COMPANY REPRESENTATIVE
 AUTHORIZED BY [Signature]
Don Williams
 District Office

DEPT. OF CONSERVATION
 STATE OF LOUISIANA

- FILLING AND ABANDON RECORD -

DATE WORK DONE 6-2-55

WORK PERMIT NO. 1234
 WELL SERIAL NO. 1234

(Three copies to be filed with the District Office)

RECEIVED

THIS REPORT WILL BE RETURNED IF NOT PROPERLY FILLED IN AND BY 10-1-55

SIGNED [Signature]
 DATE 6-2-55 FIELD 1234 SEC 80 TWP 12 RGE 1
 LOCATION 1234 DIST 1234 LEAST City of the Greenwood No. 1
 CONDITION OF WELL 1234

DEPT. OF CONSERVATION
 BATON ROUGE, LA

(1) CEMENT PLUGGING (SIZE) 30 1/2" DEPTH 2491' AMOUNT PULLED 0
 (2) RESTRICTION CEMENTING (SIZE) 0 DEPTH 0 AMOUNT PULLED 0
 (3) FLOW LINE CASING (SIZE) 0 DEPTH 0 AMOUNT PULLED 0

- CEMENT PLUGS -

(1) 12 1/2" 1234 TO 540 NO. OF BAGS 200 HOW PLACED Flow
 (2) 12 1/2" 0 TO 0 NO. OF BAGS 0 HOW PLACED 0
 (3) 12 1/2" 0 TO 0 NO. OF BAGS 0 HOW PLACED 0
 VISCOSITY 0
1234 1234 1234 1234 1234 1234 1234 1234 1234 1234

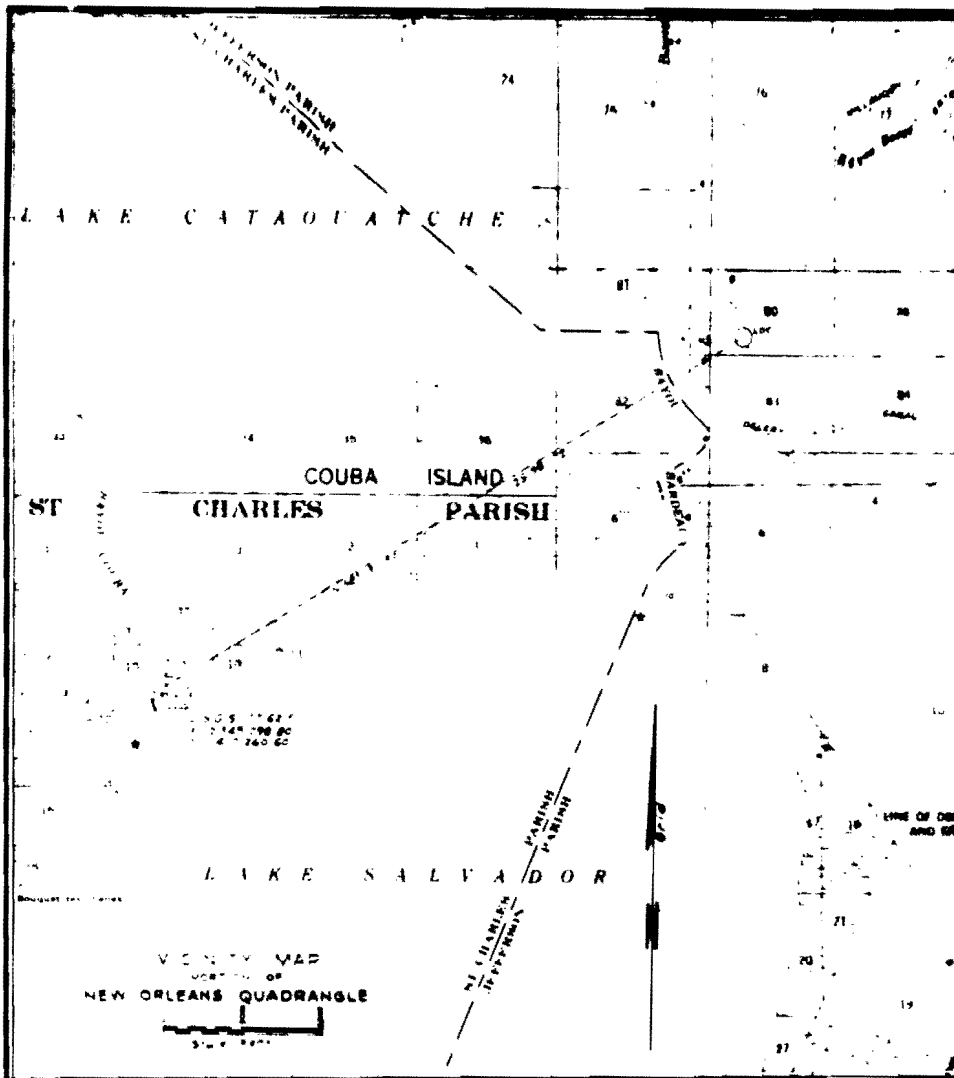
THIS REPORT IS SUBMITTED TO THE RULES AND REGULATIONS OF THE
 DEPARTMENT OF CONSERVATION.

SIGNED: [Signature]
 REPRESENTATIVE

APPROVED BY [Signature]
 DISTRICT OFFICE
1234
1234
1234

• **1997** – **1998** – **1999** – **2000** – **2001** – **2002** – **2003** – **2004** – **2005** – **2006** – **2007** – **2008** – **2009** – **2010** – **2011** – **2012** – **2013** – **2014** – **2015** – **2016** – **2017** – **2018** – **2019** – **2020** – **2021** – **2022** – **2023** – **2024** – **2025** – **2026** – **2027** – **2028** – **2029** – **2030** – **2031** – **2032** – **2033** – **2034** – **2035** – **2036** – **2037** – **2038** – **2039** – **2040** – **2041** – **2042** – **2043** – **2044** – **2045** – **2046** – **2047** – **2048** – **2049** – **2050** – **2051** – **2052** – **2053** – **2054** – **2055** – **2056** – **2057** – **2058** – **2059** – **2060** – **2061** – **2062** – **2063** – **2064** – **2065** – **2066** – **2067** – **2068** – **2069** – **2070** – **2071** – **2072** – **2073** – **2074** – **2075** – **2076** – **2077** – **2078** – **2079** – **2080** – **2081** – **2082** – **2083** – **2084** – **2085** – **2086** – **2087** – **2088** – **2089** – **2090** – **2091** – **2092** – **2093** – **2094** – **2095** – **2096** – **2097** – **2098** – **2099** – **2100** – **2101** – **2102** – **2103** – **2104** – **2105** – **2106** – **2107** – **2108** – **2109** – **2110** – **2111** – **2112** – **2113** – **2114** – **2115** – **2116** – **2117** – **2118** – **2119** – **2120** – **2121** – **2122** – **2123** – **2124** – **2125** – **2126** – **2127** – **2128** – **2129** – **2130** – **2131** – **2132** – **2133** – **2134** – **2135** – **2136** – **2137** – **2138** – **2139** – **2140** – **2141** – **2142** – **2143** – **2144** – **2145** – **2146** – **2147** – **2148** – **2149** – **2150** – **2151** – **2152** – **2153** – **2154** – **2155** – **2156** – **2157** – **2158** – **2159** – **2160** – **2161** – **2162** – **2163** – **2164** – **2165** – **2166** – **2167** – **2168** – **2169** – **2170** – **2171** – **2172** – **2173** – **2174** – **2175** – **2176** – **2177** – **2178** – **2179** – **2180** – **2181** – **2182** – **2183** – **2184** – **2185** – **2186** – **2187** – **2188** – **2189** – **2190** – **2191** – **2192** – **2193** – **2194** – **2195** – **2196** – **2197** – **2198** – **2199** – **2200** – **2201** – **2202** – **2203** – **2204** – **2205** – **2206** – **2207** – **2208** – **2209** – **2210** – **2211** – **2212** – **2213** – **2214** – **2215** – **2216** – **2217** – **2218** – **2219** – **2220** – **2221** – **2222** – **2223** – **2224** – **2225** – **2226** – **2227** – **2228** – **2229** – **2230** – **2231** – **2232** – **2233** – **2234** – **2235** – **2236** – **2237** – **2238** – **2239** – **2240** – **2241** – **2242** – **2243** – **2244** – **2245** – **2246** – **2247** – **2248** – **2249** – **2250** – **2251** – **2252** – **2253** – **2254** – **2255** – **2256** – **2257** – **2258** – **2259** – **2260** – **2261** – **2262** – **2263** – **2264** – **2265** – **2266** – **2267** – **2268** – **2269** – **2270** – **2271** – **2272** – **2273** – **2274** – **2275** – **2276** – **2277** – **2278** – **2279** – **2280** – **2281** – **2282** – **2283** – **2284** – **2285** – **2286** – **2287** – **2288** – **2289** – **2290** – **2291** – **2292** – **2293** – **2294** – **2295** – **2296** – **2297** – **2298** – **2299** – **2300** – **2301** – **2302** – **2303** – **2304** – **2305** – **2306** – **2307** – **2308** – **2309** – **2310** – **2311** – **2312** – **2313** – **2314** – **2315** – **2316** – **2317** – **2318** – **2319** – **2320** – **2321** – **2322** – **2323** – **2324** – **2325** – **2326** – **2327** – **2328** – **2329** – **2330** – **2331** – **2332** – **2333** – **2334** – **2335** – **2336** – **2337** – **2338** – **2339** – **2340** – **2341** – **2342** – **2343** – **2344** – **2345** – **2346** – **2347** – **2348** – **2349** – **2350** – **2351** – **2352** – **2353** – **2354** – **2355** – **2356** – **2357** – **2358** – **2359** – **2360** – **2361** – **2362** – **2363** – **2364** – **2365** – **2366** – **2367** – **2368** – <

Your Title is No Bigger Than This



81

R22E
R23E

may
not.

Ben S. Garrett
Ben S. Garrett

Your Title Is No Better Than Your Survey

BEN S. GARRETT ENGINEERING COMPANY

TEXAS - OKLAHOMA - LOUISIANA

CIVIL ENGINEERS

LICENSED STATE LAND SURVEYOR

311 NORTHEAST 16TH ST
DALLAS TEXAS
PHONE NODDWOOD 2-1887

314 WARRIOR APT BLDG
NEW ORLEANS, LA
PHONE TULANE 0887

April 2, 1958

ENDORSEMENT

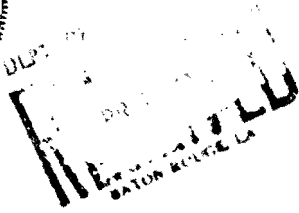
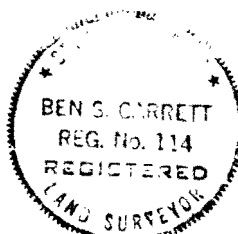
I, BEN S. GARRETT, a Licensed State Land Sur-
veyor of Louisiana, Reg. No. 114 hereby certify
that:

CERTIFICATE FILED
RECORDED IN
OFFICE OF THE CLERK
PARISH OF LA., 7th & 8th Sts.
NEW ORLEANS, LOUISIANA

was made from an actual survey on the ground by
me and with comparison to government corners
and is shown correctly on the plan attached.

Ben S. Garrett
Ben S. Garrett, State Land Surveyor
of La., Reg. No. 114.

W. J. D. H. / 11/4/58



Your Title Is No Better Than Your Survey

2

BEN S. GARRETT SURVEYING COMPANY
TEXAS - OKLAHOMA - LOUISIANA

LICENSED STATE LAND SURVEYOR

311 SOUTHEAST 14TH ST.
GRAND PRAYNE, TEXAS
PHONE ANDREW 8-1837

208-6-7 WARREN AVE. BLVD
NEW ORLEANS, LA.
PHONE TULANE 6086

September 6, 1955

Lamar Hunt
& Placid Oil Company
P O Box 82
Houma, Louisiana

Attention Mr. Thompson

Gentlemen:

Attached are prints showing:

LAMAR HUNT
LOCATION # 1
CANAL ASSETS INC.
SEC 37, T 15 S & 23 E
JEFFERSON PARISH, LA.

For the purpose of obtaining drilling permits
etc., descriptive data for the above location is:

Location No. 1 is located in Section 37, T 15
S R 23 E, Southeastern Land District, West of the Atchafalaya
River, at a point located as follows: Beginning at the most
northern corner of Section 101, T 15 S R 23 E; thence South-
easterly along the East line of Section 101 2700.00 feet,
thence at Right Angles Southwesterly 1000.00 feet to location
of a Lambert Plane Coordinate position (South Zone) of $x =$
2,192,235.71 and $y = 4,10,906.80$.

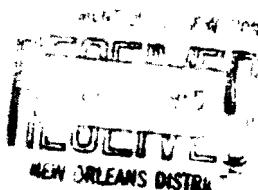
Further Location No. 1 is N $75^{\circ}22'30''$ E 34,246.53
feet from USGS Triangulation Station "T 62 F 1932". Said
Station has a Lambert Plane Coordinate Position of $x = 2,349,093.80$
and $y = 4,10,260.80$.

All bearings are Grid Bearings.

Yours very truly,

Ben S. Garrett

BEN S. GARRETT SURVEYING CO.



BSG/r

Your Title is No Better Than Your Survey

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
WASHINGTON, D. C. 20240

RECEIVED

DEPARTMENT OF CONSERVATION
STATE OF MISSISSIPPI
DEPT. OF CONSERVATION

- PLUG AND ABANDON RECORD - BATON ROUGE, LA

NO. OF WELLS 20-22-25

WORK PERMIT NO. 20-22-25
WELL SERIAL NO. 20-22-25

(Three copies to be filed with the District Office)

THIS REPORT WILL BE RETURNED IF NOT PROPERLY FILLED IN AND
SIGNED

PARISH Jefferson FIELD Jefferson SEC. 12 TWP. 22N RGE. 22E
COMPANY Landmark LEASE Landmark WELL NO. 20-22-25
TOTAL DEPTH 20-22-25 CONDITION OF WELL Good
Bottom state 20-22-25

- (1) SURFACE CASING (SIZE) 20 1/2" DEPTH 20-22-25 AMOUNT PULLED 0
- (2) PROTECTION CASING (SIZE) 20 1/2" DEPTH 20-22-25 AMOUNT PULLED 0
- (3) PRODUCTION CASING (SIZE) 0 DEPTH 0 AMOUNT PULLED 0

- CEMENT PLUGS -

- (1) DEPTH 20-22-25 TO 20-22-25 NO. OF SACKS 200 HOW PLACED 20-22-25
- (2) DEPTH 0 TO 0 NO. OF SACKS 0 HOW PLACED 0
- (3) DEPTH 0 TO 0 NO. OF SACKS 0 HOW PLACED 0

RECORD WEIGHT 20 1/2" VISCOSITY 20 1/2"
20 1/2" Full Plug on top of 20 1/2" casing.

WELL NAME ACCORDING TO THE RULES AND REGULATIONS OF THE
DEPARTMENT OF CONSERVATION.

Issued by _____

SIGNED: Landmark
COMPANY

Inspector _____ DISTRICT _____

M. M. Thayer
Representative

FORM
AND-101

RECORDED
20-22-25
NOTED BY DISTRICT

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

WORK PERMIT

PERMIT TO DRILL & CEMENT DATE October 22, 1955
 PARISH Jefferson FIELD Wichita
 COMPANY Wichita Falls Oil Co. ADDRESS Wichita Falls, Texas
 WELL NAME Wichita Falls No. 1 WELL DEPTH 100'
 WELL PERMIT SERIAL NO. 100 WORK COMMENCED 10/22/55
 LOCATION 1/2 Sec. 34, T. 10N, R. 10E, S. 10E, 10th Meridian
1/2 Sec. 34, T. 10N, R. 10E, S. 10E, 10th Meridian
1/2 Sec. 34, T. 10N, R. 10E, S. 10E, 10th Meridian
 FULL TIME EMPLOYEES 10 TO 10:00 AM TO 5:00 PM

PERMIT REQUESTED BY W. E. Thompson TO 25,000
 AUTHORIZED BY W. E. Thompson

RECEIVED

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA
DEPT OF CONS.
PLUG AND ABANDON RECORD - BATON ROUGE

DATE 10-22-55 WORK PERMIT NO. 100
 WELL SERIAL NO. 100

W. E. Thompson
 (Three copies to be filed with the District Office)

NOTES:
 THIS REPORT WILL BE RETURNED IF NOT PROPERLY FILLED IN AND
 SIGNED

PARISH Jefferson FIELD Wichita SEC 34 TWP 10N RGE 10E

Departure 7 Average Inclination Vertical Correction
 Drilling Contractor Renrod Drilling Company Signed Carl Parker
 Date November 10, 19 55 File Oil Records Department
 Form No. 12 M E 10-46

DRILLER'S LOG

From	To	Type of Formation	From	To	Type of Formation
0	129	shells, sand and sticky shale			
	514	shells, logs, gumbo and sand			
	681	shells, gumbo and sand			
	1764	shale and sand			
	2550	shale, shells and sand			
	4616	shale, shells, coal and sand			
	5400	shale, shells and sand			
	6134	shale and sand			
	6712	shale, shells and sand			
	7119	shale and sand			
	7531	shale, shells and sand			
	7824	shale			
	8051	shale and sand			
	8840	shale, lime and sand			
	9140	shale and lime			
	9276	shale			
	10154	shale and sand			
	10387	shale			
	10510	shale and lime			
	10529	sandy shale			
	10592	shale			
	10645	shale and sand			
	10706	shale and sand			
		* * *			

RECEIVED
NOV 15 1955
DEPT. OF CONSERVATION
BUREAU HOUSE, LA

STATE OF LOUISIANA
DEPARTMENT OF CONSERVATION
MINERALS DIVISION

Wildcat

COMPANY

Lunar Post

Began Drilling September 27, 1955 Completed October 23, 1955
Completed as Oil () Gas () Condensate () Dry (X) Well

NONE D & A
OIL AND GAS ZONES

SALT WATER SANDS

FRESH WATER SANDS

From _____ to _____ feet

In zone of production

From _____ to _____ feet

From _____ to _____ feet

From _____ to _____ feet

From _____ to _____ feet

From _____ to _____ feet

From _____ to _____ feet

From _____ to _____ feet

DRILL STEM TESTS

[illegible]

CASING RECORD

Size	Wt. Per Foot	Make	Where Landed	No. of Bls. Contd	Stored Place	Pressure Test, Lbs.
16"		Youngstown	129'	150		
10 3/4"	40.5 & 32.75	Youngstown	2517'	600	DEPARTMENT OF CONSERVATION	
					DEC 14 1955	

COMPLETION DATA

NONE D & A

Liner Size _____ Weight _____ Length _____ Screen Size _____ Gage _____ Length _____

Casing Perforations (prod. depth) from _____ to _____ ft. No. of holes _____

Acidized with _____ gallons. Other physical or chemical treatment of well to induce flow _____

Prod. began _____ 19____ Making _____ bbls./day of _____ A. P. I. Gravity Fluid on _____ Choke.

Tub. Pres. _____ lb./sq. in. Cap. Pres. _____ lb./sq. in. Gas Vol. _____ M. C. F. Gas Oil Ratio _____

B. S. & W. _____ % Gas Gravity _____ B. T. U.'s/M. C. F. _____ Gals. Gasoline/M. C. F. _____

WELL DATA

Indicate (yes or no) whether or not the following information was obtained.

Electrical Log	Yes	10-1, 14 & 21,	1955	Straight Hole Survey	Yes	Type	Total
----------------	-----	----------------	------	----------------------	-----	------	-------

Time Drilling Record _____ Other Types of Hole Survey _____ Type _____

Core Analysis _____ Depth _____ to _____

LOCATION OF WELL BOTTOM

Latitude 34° 15' N ft. 100 Departure 10.0 ft. 100 Average Inclination 34° 15' Vertical Correction 0.0

Drilling Contractor Penrod Drilling Company Signed Edna Hanson

Date November 10, 1955 File Well Records Department

Form No. 12-M-R 22-4.6

583

W. L. Hunt
9/12/55

LOG OF WELL

PARISH _____

OPERATOR _____

ADDRESS _____

LOCATION OF WELL _____

YOU are hereby notified that this well is being drilled for _____

WELL No. _____

DATE _____

This well to be drilled to _____

DRILLING CONTRACTOR _____

John B. Hunt

RECEIVED
NOV 1 1955

DEPT. OF CONSERVATION
Baton Rouge, LA

ORIGINAL
(UNDER TYPEWRITTEN COPIES MUST BE FURNISHED THIS DEPARTMENT)
STATE OF LOUISIANA
DEPARTMENT OF CONSERVATION
MINERALS DIVISION

LOG OF WELL

WILDCAT COMPANY LARRY HUNT

PARISH Jefferson Sec 37 Twp 15S Rge 23E Elevation _____ Derrick Floor _____ NA

Begin @ most Northern Cor Sec 101, thence Southeast _____ NA

Location along E 1 line of Sec 101 2700'; thence @ Rt angles southwesterly 1000' to location.

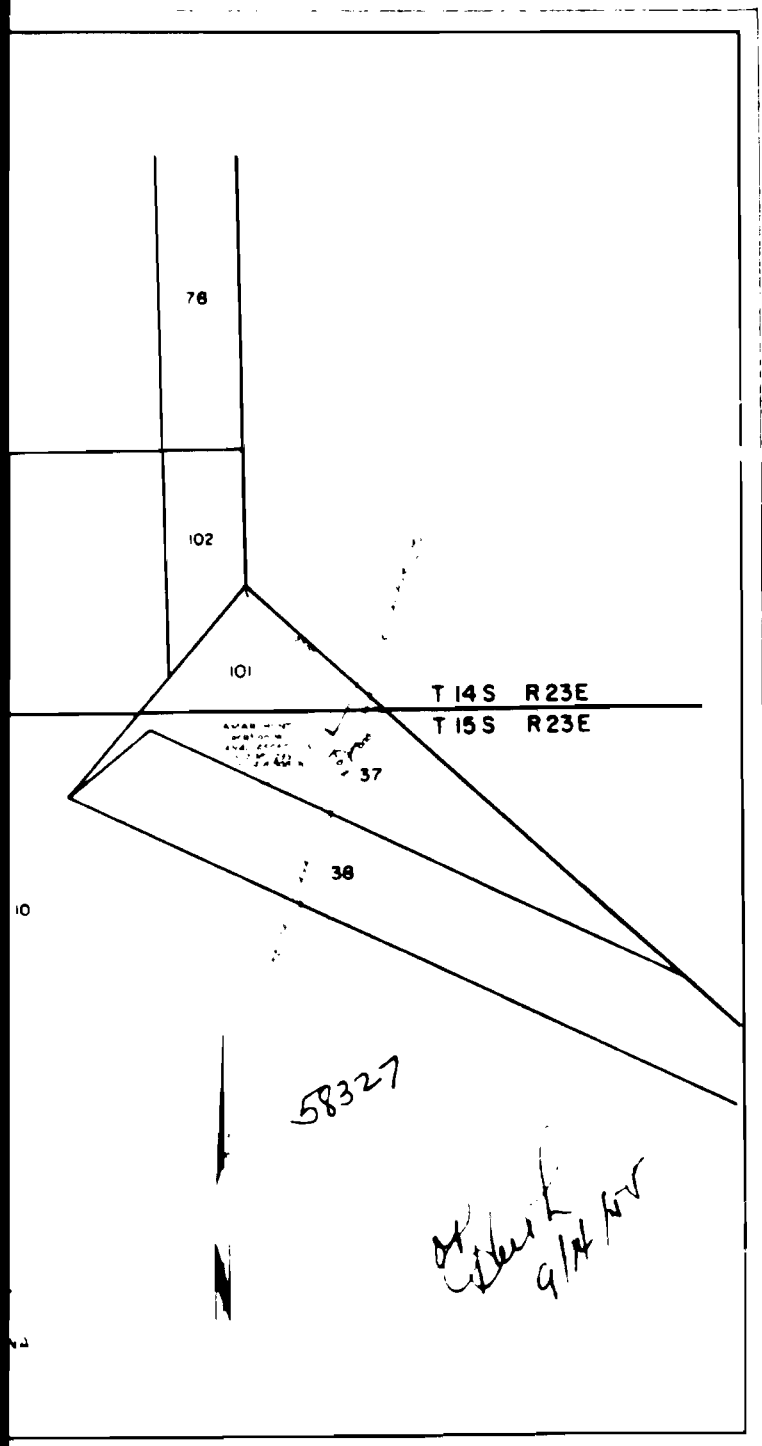
Owner Lunal Assets, Inc. Well No 1 Permit No. L2976 Permit Serial No. 58327

The data given herewith is a complete record of the well and all work done thereon as determined from all available records.

Began Drilling September 27, 1955 Completed October 23, 1955

Completed as Oil () Gas () Condensate () Dry (X) Well

NOTE: D & A OIL AND GAS ZONES SALT WATER SANDS FRESH WATER SANDS



Your Title is No Better Than Your Survey

BEN S. GARRETT SURVEYING COMPANY
TEXAS - OKLAHOMA - LOUISIANA

LICENSED STATE LAND SURVEYOR

311 SOUTHEAST 18TH ST
GRAND PRAIRIE, TEXAS
PHONE ANDREW 2-1997

208-67 WARDEN APT BLDG.
NEW ORLEANS, LA.
PHONE TULANE 0807

September 6, 1955

SURVEYOR'S CERTIFICATE

I, BEN S. GARRETT, a Licensed State Land Surveyor
of the State of Louisiana, Reg. No. 5-114, Hereby
certify that:

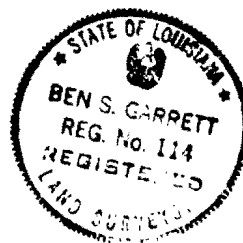
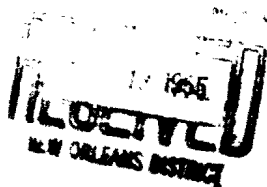
LARAR MONT
LOCATION # 1
CANAL ASSETS INC.
SEC 37, T 15 S R 23 E
JEFFERSON PARISH, LA.

was made from an actual survey on the ground by me
and with connections to government corners and is
shown correctly on the plot attached.

Ben S. Garrett
9/14/55

Ben S. Garrett

BEN S. GARRETT
Licensed State Land
Surveyor of the State
of Louisiana.
Reg. No. 5-114.



Your Title is No Better Than Your Survey

10112

1014-

THE CALIFORNIA COMPANY
P. O. Box 128
Harvey, Louisiana

April 16, 1958

APPLICATION FOR PERMIT TO DRILL
NEW ORLEANS PLANT. TRUST WELL #1
BAYOU DAUPHINE (EXP) FIELD
Jefferson Parish, Louisiana

Mt. Peter A. Smith
Minerals Division
Department of Conservation
22 National Bank of Commerce Bldg.
New Orleans, La.
Gentlemen:

We are enclosing duplicate copies of your form MD-10-R covering
request for permit to drill our New Orleans Plant, Trust Well #1,
which is located in the Bayou Dauphine (Exp.) Field, Jefferson Parish,
Louisiana.

In addition to the permit form, we are enclosing our check in
the amount of \$50.00 to cover the permit fee and duplicate
copies of the Engineer's Well Location Certification and
Engineer's Plat showing the location of the proposed well.

Yours very truly,

L. C. Adams

Encl.

cc: L. F. Adams

FOR THE UNITED STATES OF AMERICA
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT
 WASHINGTON, D. C. 20250
 PERMIT REQUESTED BY U. S. FISH AND WILDLIFE SERVICE
 AUTHORIZED BY NEW ORLEANS
 Form 28-48

DEPARTMENT OF CONSERVATION
 STATE OF LOUISIANA

-PLUG AND ABANDON RECORD-

DATE May 20, 1938

WORK PERMIT NO. 64-58
 WELL SERIAL NO. 70498

New Orleans, Louisiana
 (Three copies to be filed with the District Office)

NOTE:

THIS REPORT WILL BE RETURNED IF NOT PROPERLY FILLED IN AND SIGNED.

BY Jafferson FIELD Barry Dunning SEC. 10 T. 158 RGS. 238

BY The California Company LEASE New Orleans Plant. Tract NO. 1

WELL DEPTH 11000' CONDITION OF WELL Dry

1. TYPE OF CEMENT (CIDE) 20 1/4 DEPTH 3045 AMOUNT PULLED None
2. TYPE OF CEMENT (CIDE) DEPTH AMOUNT PULLED
3. TYPE OF CEMENT (CIDE) DEPTH AMOUNT PULLED

-CEMENT PLUGS-

1. DEPTH 2930 TO 3130 NO. OF BAGS 100 HOW PLACED Displaced
2. DEPTH 2880 TO 2930 NO. OF BAGS 25 HOW PLACED Dropped
3. DEPTH 25 TO 85 NO. OF BAGS 25 HOW PLACED By hand

WELL DEPTH 12.0 VISCOSITY 30

THIS REPORT IS SUBMITTED TO THE DISTRICT OFFICE OF THE DEPARTMENT OF

BY Robert O. Hayes
 DISTRICT

BY THE CALIFORNIA COMPANY
 COMPANY
Robert O. Hayes
 Representative

1-1-38-1

627

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

PLUG & ABANDON WORK PERMIT

PERMIT TO: Plugging DATE: May 19, 1938

PARISH: Orleans FIELD: Bayou Lafourche F. C.

COMPANY: The California Company

ADDRESS: 809 California Bldg.

WELL NAME: New Orleans Plant. Truss

WELL PERMIT SERIAL NO. 1 WORK PERMIT NO. 64-56

LOCATION: Bayou Lafourche "Bayou" (1938) 25 miles S. of

new (1938) 25 miles S. of location

YOU ARE HEREBY AUTHORIZED TO plug and abandon of

approximately 25' and 25' deep New Orleans Plant. Truss

about 25' deep and set a 25' deep surface plug.

PERMIT REQUESTED BY: V. E. Yarbrough TD: 11000

AUTHORIZED BY: [Signature]

District Office

Form DE-42

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

-PLUG AND ABANDON RECORD-

DATE: May 20, 1938 WORK PERMIT NO. 64-56
WELL SERIAL NO. 70198

New Orleans, Louisiana
(Three copies to be filed with the District Office)

THIS FORM IS RETURNED IF NOT PROPERLY FILLED IN AND SIGNED.

Plugging FIELD Bayou Lafourche SEC 10 T. 12S RGS 23S

The California Company LEASE New Orleans Plant. Truss NO. 1

11000 POSITION OF WELL dry

1. 11000 (DIBS) 20 3/4 DEPTH 3045 POINT PULLED None

2. 11000 (DIBS) 20 3/4 DEPTH 3045 POINT PULLED None

3. 11000 (DIBS) 20 3/4 DEPTH 3045 POINT PULLED None

-LOG AT PLUGS-

1. 11000 2930 3130 NO. OF JACKS 100 HOW PLACED Displaced

2. 11000 2930 2930 NO. OF JACKS 25 HOW PLACED Dropped

3. 11000 25 65 NO. OF JACKS 25 HOW PLACED By hand

depth _____ to _____
 to _____
 LOCATION OF WELL SECTION
 Latitude _____ Longitude _____
 Departure _____ ft. Average Inclination _____ Vertical Deviation _____
 Drilling Contractor Loffland Signed W. L. Tankersley
 Date May 26, 19 58 Title Petroleum Engineer
 Form No. 10-58-5 6-58

DRILLER'S LOG

From	To	Type of Formation	From	To	Type of Formation
3047	6580	Sand and shale			
6580	7725	Sand with few shale breaks			
7725	8290	Sand and shale			
8290	8510	Shale with sand breaks			
8510	8870	Sand and shale			
8870	9225	Shale			
9225	9470	Sand and shale			
9470	9550	Shale			
9550	11000	Sand			
		Shale with few sand streaks			

You are hereby authorized to drill new Orleans Plantation Tract #
 Well No. 70192 referred to under application bearing serial No. 70192
 dated 5/2/58 signed by [Signature]
 This well to be drilled to state on surface area of 2000
 census drilling permit No. 54765 issued 5/2/58
 DRILLING CONTRACTOR [Signature]
 STATE OF LOUISIANA
 DEPARTMENT OF CONSERVATION
[Signature]

ORIGINAL
 COPIES OF THIS RECORD MUST BE FURNISHED THIS DEPARTMENT

STATE OF LOUISIANA
 DEPARTMENT OF CONSERVATION
 MINERALS DIVISION

LOG OF WELL

FIELD Bayou Lafourche COMPANY The California Company
 Parish St. Charles Sec. 10 Twp. 15S Rge. 23E Elevation 18.80'
 Derrick Floor 18.80'
 Ground
 Location from section "Bar. 10" (1934) go S. 63° 30' W. (Grid) 7290'
 Lease No. 54765 Permit No. 54765 Permit Serial No. 70192
 The data given herewith is a complete record of the well and all work done thereon as determined from all available records.
 Began Drilling Apr. 24 1958 Completed May 20 1958
 Completed as Oil () Gas () Condensate () Dry (X) Well

OIL AND GAS ZONES		SALT WATER SANDS		FRESH WATER SANDS	
From	to	feet	In zone of production	From	to
From	to	feet	From	to	feet
From	to	feet	From	to	feet

DRILL STEM TESTS

Well No.	Section	Recovery to Straddle	Water	Sd. or Mod	Chokes		Lbs. Pressure		Date	Time	Mile D. R.
					Top	Bottom	Top	Bottom			

RECEIVED
 MAY 28 1958
 DISTRICT

CASING RECORD

Size	Wt. Per Foot	Make	Where Landed	No. of Sha. Cement	Stand Hours	Pressure Test, Lbs.
10"	20#	Domestic	184	350	17	
10-3/4"	20, 24-45.5#	Domestic	304.5	1500	36	8000

COMPLETION DATA

Liner Size Weight Length Screen Size Gauge Length
 Casing perforations (prod. depth) from to ft. No. of holes
 Acidized with gallons. Other physical or chemical treatment of well to induce flow
 Prod. began 19 Making bbls./day of A. P. I. Gravity Fluid on choke.
 Lbs. Pres. lbs. eq. in. Csg. Pres. lbs./sq. in. Gas Vol. M. C. F. Gas Oil Ratio
 R. S. & W. Gas Gravity B. T. U./M. C. F. Galn. Gasoline/M. C. F.

WELL DATA

Indicate yes or no whether or not the following information was obtained
 Electronic Log Y Date 5-17 1958 Straight Hole Survey Yes Type Micro
 Time Drilling Record NO Other Types of Hole Survey Yes Type Micro
 Core Analysis NO Depth to
 to

LOCATION OF WELL BOTTOM

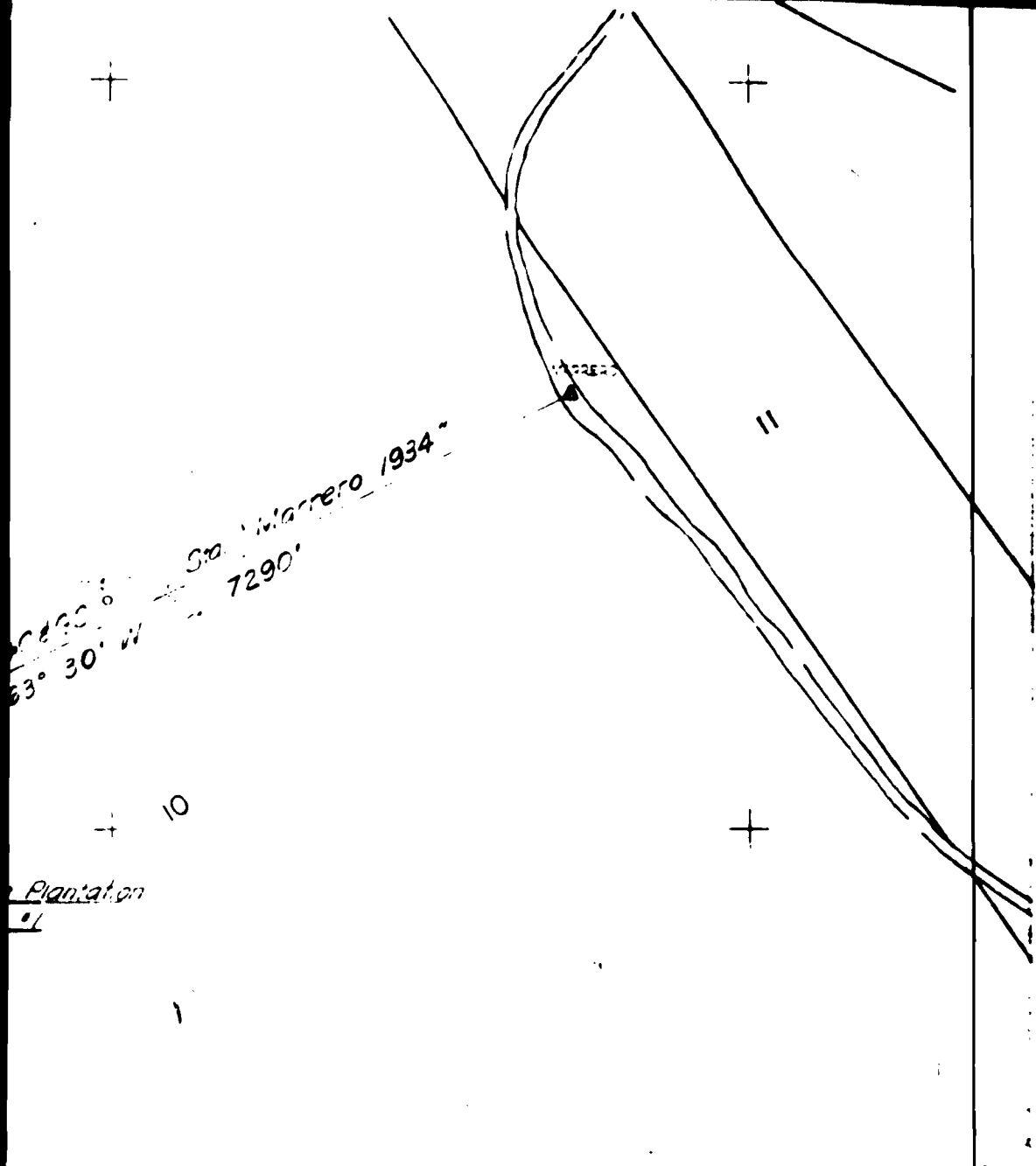
Latitude Longitude Average Inclination Vertical Correction
 Drilling Contractor Signed [Signature]

SLANT NO. 71ST

1.0. 21

21

LOG OF WELL



S. PLANTATION TRUST

REVISIONS	THE CALIFORNIA COMPANY			
	APPLICATION FOR PERMIT TO DRILL			
	NEW ORLEANS PLANTATION TRUST WELLS			
	BAYOU LAURENCE AREA			
	Jefferson Parish, La.			
	DATE	BY	FOR	FILE
	1/1/54	J. H. HARRIS	1000	1000

R 23 E

NO. 2
AVIATION
1945



THE CALIFORNIA CO.



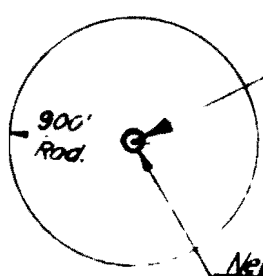
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15
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8

9

17

16



New Orleans
Trust

CALIF. CO.

NEW ORLEANS

37

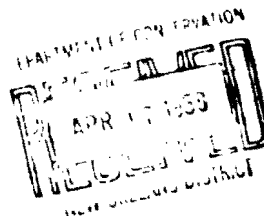
BY J. C. Sparkman DIST. ENG.
New Orleans District

WELL LOCATION CERTIFICATION

I, J. C. Sparkman, do hereby certify that location of
The California Company's New Orleans Plantation Trust Well
Bayou Dauphine Area Exploratory Well, Jefferson Parish, La.

is as follows:

From U.S.C. & G.S. Station "Marrero" 1934"
South 43° 30' W 7290'



J. C. Sparkman
J. C. Sparkman
License Civil Engineer No. 4535
State of Louisiana
Employee of The California Co.

State of Louisiana



JOHN B. HUSKEY
COMMISSIONER

DEPARTMENT OF CONSERVATION

548 NATIONAL BANK OF COMMERCE BLDG.

NEW ORLEANS 12

April 17, 1958

Mr. T. M. Winfield, Chief Engr.
Department of Conservation
Baton Rouge, Louisiana

Dear Mr. Winfield:

We attach check No. 22 from Aladdin Oil Co. Inc., in the amount of \$50.00 together with Location Plat and Application for Permit to drill their Cural Rojas et al Well No.2, Lafitte Field, Plaquemines Parish, La.

Monterey Oil Co's check No. 1471 in the amount of \$50.00 together with certified Plat and Application for Permit to drill their St. Lse. 3069 Well No.1, Wildest, Lafourche Par, La.

The Texas Co's check No. 1-89405 in the amount of \$50.00 together with Plat and Application for Permit to drill their St-Bayou Perot Well No.33, Delta Farms, Lafourche Parish, La.

The California Co's check No. 2362 in the amount of \$50.00 together with Well Location Certification and Plat together with Application for Permit to drill their Bayou Dauphine (Expl.) N.C. Jefferson Parish, La.

Yours very truly,

By

[Signature]
New Orleans District

DIST. ENGR.

JCH:ab

8395

McCURDY - SCHILLING
CIVIL ENGRS. & SURVEYORS
NEW ORLEANS, LA

Registered in accordance with License No 792

By Wm. G. G. G. G. Secy

No.

DEPARTMENT OF CONSERVATION

Permit	\$100.00
Multiple Zone Processing	

PERMIT TO DRILL FOR MINERALS

1348

Jeffery Green

BATON ROUGE, LA. April 4
FIELD: Bayou Seguin

2

F. A. Gallery, Inc.

400 West of Southwest Building
Houston 2, Texas

OF 1495

City of New Orleans

North 0°40'35" West 660' from the Southeast Corner of Section 76-144-12E

Other proposed amendments: **Upper Missouri**

Y. Ono

A Department of Conservation Order

10-11-41

Issued by Authority

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

WORK PERMIT

DATE: April 13, 1961
FIELD: Bureau

1. CUSH ~~Jefferson~~

FILED

As you sign off

ALBANY, N.Y., Feb. 10.

40-THIRTY OF THE "WILSON" BUILDING, HANCOCK, MASS.

ALLIANCE City of New Orleans

WORK IN PROGRESS

Abstract

with 100 m. and 25 - 30" with 10 m. & plug & abandon according to the rules and regulations of the Department of Conservation. TH - 10, 1961

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 11-11-2011 BY 60322 UCBAW

AS THREATENED BY HQ

John J. Lawrence

83959

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

PLUG AND ABANDON REPORT

DATE WORK DONE April 10, 1962

WELL SERIAL NO. 83959

WORK PERMIT NO. 68546

New Orleans DISTRICT
(Three copies to be filed with the District Office.)

NOTE: This Report Will Be Returned If Not Properly Completed And Signed.

Field Bayou Segnette Parish Jefferson Sec. 76 Twp. 14S Rge. 23E

Company F. A. Gallery, Inc. Lease City of New Orleans Well No. 1

Total depth 1,200' Condition of well Dry

1. Surface Casing	Size <u>10-3/4"</u>	Depth <u>2016</u>	Amount Pulled <u>0</u>
2. Protection Casing	Size _____	Depth _____	Amount Pulled _____
3. Production Casing	Size _____	Depth _____	Amount Pulled _____

CEMENT PLUGS

1. Depth <u>210'</u>	To <u>1916'</u>	No. of sacks <u>100</u>	How placed <u>Halliburton</u>
2. Depth <u>210'</u>	To <u>20'</u>	No. of sacks <u>10</u>	How placed <u>By hand.</u>
3. Depth _____	To _____	No. of sacks _____	How placed _____

Mud record: Weight _____ Viscosity 46

Remarks: _____

This work was done according to the Rules and Regulations of the Department of Conservation.

W. B. Bouser
WITNESS

F. A. Gallery, Inc.
COMPANY

(Signed)

H. Malville Jr.
REPRESENTATIVE
H. Malville, Jr.
Asst. Drilling Supt.

No May

DEPARTMENT OF CONSERVATION



DEPARTMENT OF CONSERVATION

WELL HISTORY AND NOW, RESUME REPORT

FIELD

BAVON SEVENTH

SERIAL NO.

98559

PRODUCING INTERVAL

RESERVOIR (COMPANY SAND IDENTIFICATION)

Three typewritten copies of this report must be filed with the District Office of the Department of Conservation in which the well is located, within twenty (20) days of the date of completion or recompletion. NOTE: If not properly completed and signed, this report will be rejected.

LEASE AND WELL DATA

DESIGNATE TYPE OF COMPLETION: NEW WELL ☒ RECOMPLETION ☐ SAME RESERVOIR ☐ DIFFERENT RESERVOIR ☒

OPERATOR

BOPE NATURAL GAS CO.

ADDRESS

204 RICHARDS BLDG., NEW ORLEANS, LA.

LEASE NAME

MARKED LAND & IMPROVEMENT ASSN.

SECTION

JEFFERSON

SEC. 80

TWP. 14S

RGE. 23E

DATE PERMIT

9-16-63

DATE

10-2-63

TOTAL DEPTH

10,101'

DATE

DATE OF ELEVATION

CASING HEAD FLANGE ELEVATION

30.50'

DISTANCE FROM

19.25'

DATE WELL TURNED INTO TAN

SINGLE, DUAL OR TRIPLE COMPLETION

NOTE

IF THIS SAND IS NOT IDENTIFIED, FURNISH A SAMPLE OF EACH SAND.

HAS WELL BEEN DIRECTIONALLY DRILLED?

NO

HAS DIRECTIONAL SURVEY MADE?

NO

WERE 3 COPIES FILED WITH THE DEPARTMENT OF CONSERVATION?

TYPE OF ELECTRICAL OR OTHER LOGS RUN (LINC. LOGS FILED WITH DEPT. OF CONSERVATION)

(1RS) CHN KL CORES

CASING, LINER AND TUBING RECORD

CASING SIZE	WELL SIZE	CASING WEIGHT	DEPTH SET	BACK CEMENT	TEST PRESSURE	WPS UNDER PRESSURE	DATE TESTED	NAME OF TESTER
20"	DRIVE PIPE		203.25'					
10-3/4"	15"	40.50	1834.20'	1.100'	1.500'	10	10-4-63	

DATE

DEPTH OF TUBING

DEPTH OF PACKER IS

INITIAL COMPLETION OR RECOMPLETION DATA

DATE OF COMPLETION	WELL VOLUME	UNIT
BOPE	MCF DAY	
DATE OF COMPLETION	CASING PRESSURE	GOR
DATE	DATE	DATE

PLUG AND ABANDON (PBA) DATA

CASING SIZE	AMOUNT PULLED	CEMENT PLUGS	DATE PLUGGED
10-3/4"	None	FROM TO BACK	
		1925' 1713' 100'	Halliburton 10-14-63
		185' 80' 50'	Halliburton 10-14-63
		BOHCO "DC" PLUG AT 1,037'	

CERTIFICATE

I, the undersigned, state that I am employed by Bope Natural Gas Co.

to make this report, and that this report was prepared under my supervision.

These are true, correct and complete to the best of my knowledge.

Signature

[Signature]

CHIEF CLERK

1. Introduction

DEW **EW**

Exemption from all work performed under Department of Conservation Work Permits while drilling and completing well

1. *Other important Parental or Ecological Explanations*. Can this and similar behavior be explained by

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

PLUG AND ABANDON REPORT

DATE WORK DONE 1-31-63

WELL SERIAL NO. 2422
WORK PERMIT NO.

New Orleans DISTRICT
(Three Copies to be Filled with the District Office)

NOTE: This Report Will Be Returned If Not Properly Completed And Signed.

Field Bayou Segnette Parish Jefferson Sec. 80 Twp. 14S Rge. 10E
Company Hope Natural Gas Company Lease Narrows Land & Improvement Accts Well No. 1
Total Depth 10,101' Condition of Well

1. Surface Casing	Size <u>10-3/4"</u> Depth <u>1,834.20'</u> Amount Pulled <u>none</u>
2. Protection Casing	Size <u> </u> Depth <u> </u> Amount Pulled <u> </u>
3. Production Casing	Size <u> </u> Depth <u> </u> Amount Pulled <u> </u>

CEMENT PLUGS

1. Depth <u>1,925'</u>	To <u>1,713'</u>	No. of Sacks <u>100</u>	How Placed <u>in 11 hours</u>
2. Depth <u>135'</u>	To <u>30'</u>	No. of Sacks <u>50</u>	How Placed <u>in 11 hours</u>
3. Depth <u> </u>	To <u> </u>	No. of Sacks <u> </u>	How Placed <u> </u>

Mud Record: Weight 12.5 Viscosity 12

Remarks: 1000 HPL "DC" plug set at 1,0371.

This work was done according to the Rules and Regulations of the Department of Conservation.

RECEIVED

WITNESS
OFF. OF CONSERVATION
BATON ROUGE, LA
PERMIT SECTION

Hope Natural Gas Company
COMPANY

(Signed) R. L. Hansen
REPRESENTATIVE

Sheet 1 of 2

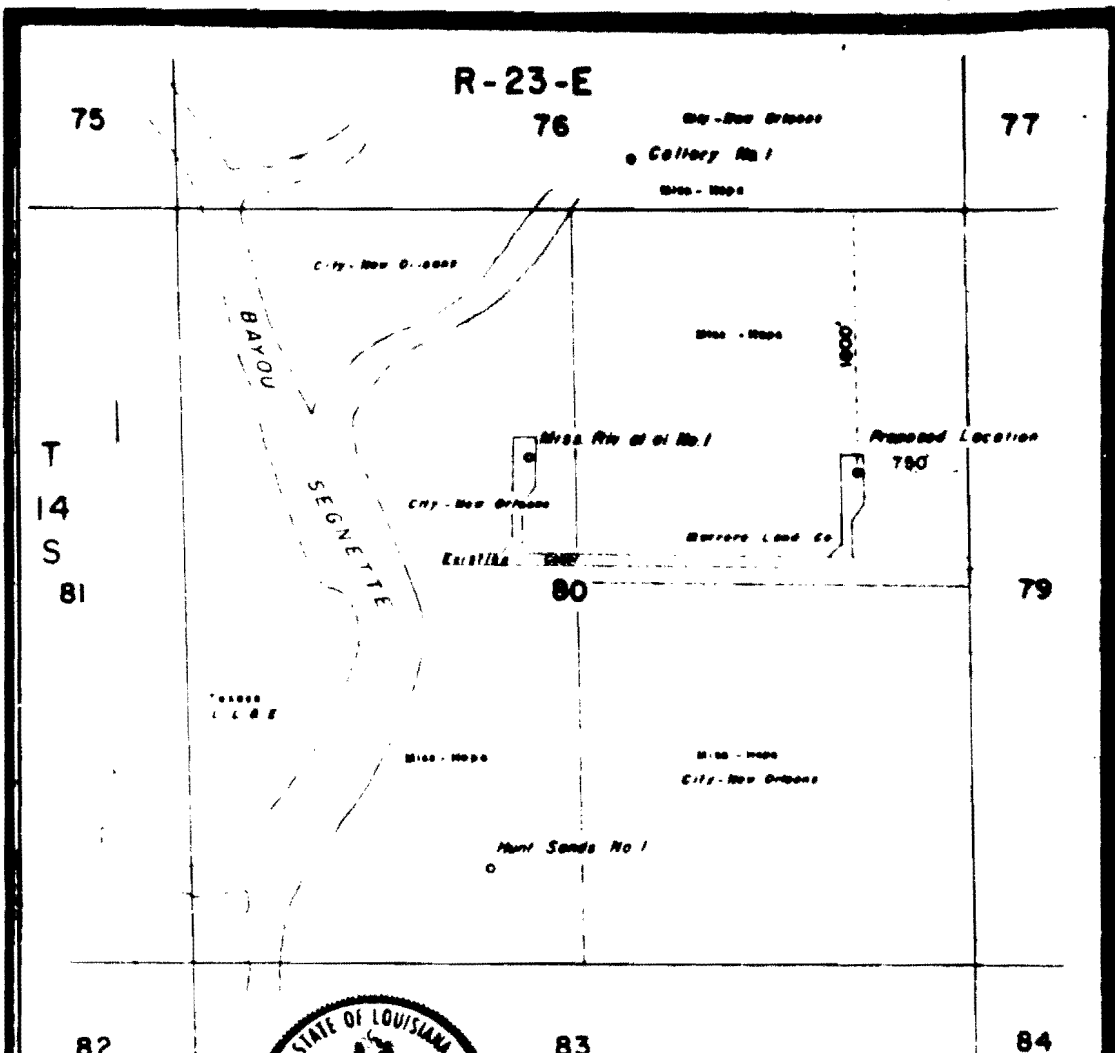
UNITED STATES DEPARTMENT OF COMMERCE
BUREAU OF MINING

REPLY TO MAIL FOR MINERALS

SERIAL NO. _____ EATON HOUSE LA. 2-15-61 10
PARISH: _____ FIELD: _____
OPERATOR: _____
ADDRESS: _____
WELL NAME: _____
LOCATION OF WELL ON _____
APPROX. DATE OF PROPOSED COMPLETION: _____
NAME OF RESERVOR OF PROPOSED COMPLETION: _____
APPROVAL DEPARTMENT OF COMMERCE: _____

PERMIT TO ENTER & LEAVE WATER WATER WATER
 FARM WATER WATER WATER
 COMPANY WATER WATER WATER
 ADDRESS WATER WATER WATER
 WELL NAME WATER WATER WATER
 WELL PERMIT NO. WATER WATER WATER
 LOCATION WATER WATER WATER
 WE ARE HEREBY AUTHORIZED TO WATER WATER WATER
 FROM WATER WATER WATER
 TO WATER WATER WATER
 PERMIT REQUESTED BY WATER WATER WATER
 AUTHORIZED BY WATER WATER WATER
 SIGNATURE WATER WATER WATER
 DATE WATER WATER WATER

04550



CERTIFIED CORRECT
I. L. Fontcuberta
SURVEYOR

DEPARTMENT OF CONSERVATION
RECEIVED
SEP 13 1938
NEW ORLEANS DISTRICT

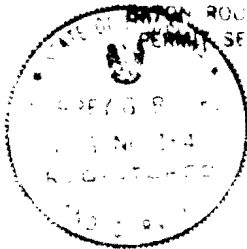
PROPOSED LOCATION
HOPE NATURAL GAS COMPANY,
HARRERO LAND & IMPROVEMENT ASS'N. LTD.
WELL NO. 1
SECTION 80, T14S-R23E
BAYOU SEGNETTE AREA
JEFFERSON PARISH, LA.

DEC 8/1

RECEIVED

NOV 14 1963

DEPT. OF CONSERVATION
BATON ROUGE, LA
PERMIT SECTION



EASON OIL CO., ET AL
CANAL ASSETS, INC., ET AL
SEC 79 T 45 R 23E
JEFFERSON PARISH, LA

Aubrey H. Barker
AUBREY C. BARKER, JR.
JEFFERSON, LA

Send To _____ Date 12/10/63

PERMIT TO DRILL FOR MINERALS

Parish JEFFERSON Field WILSON

Operator EASON OIL CO., ET AL

Address 201 PINEWOOD DR.

City & State NEW ORLEANS, LA

Well Name CANAL ASSETS TEL. NO. 1

Location SEC. 79, T. 45, R. 23E

FROM THE CORNER CANAL SECTION 2 ON CO. 16' E 70, 627.50'

100' W. & 100' N. OF SEC. 79

Serial No. 70000

Zone or Reservoir of Proposed Completion _____

Applicable Department of Conservation Order _____

P. E. B. 12,000'

SDR 20 11,500'

SDR

James H. All *John L. Spencer* *DAK*

COMBINATION

09487

101624

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

PLUG AND ABANDON REPORT

DATE WORK DONE 4/30/64

DEPARTMENT OF CONSERVATION

RECEIVED

MAY 7 - 1964

NEW ORLEANS DISTRICT

WELL SERIAL NO. 101624

WORK PERMIT NO. 103-64

New Orleans DISTRICT
(Three Copies to be Filed with the District Office)

NOTE: This Report Will be Returned if Not Properly Completed And Signed.

Field Bayou Segnette Parish Jefferson Sec. 77 Twp. 14S Rge. 23E

Company Davis Oil Company Lease Harrero Land & Improvement Assoc. Well No. 1

Total Depth 10,024' Condition of Well Plugged & abandoned

- | | | | |
|----------------------|--------------------|---------------------|---------------------------|
| 1. Surface Casing | Size <u>9-5/8"</u> | Depth <u>1,848'</u> | Amount Pulled <u>None</u> |
| 2. Protection Casing | Size _____ | Depth _____ | Amount Pulled _____ |
| 3. Production Casing | Size _____ | Depth _____ | Amount Pulled _____ |

CEMENT PLUGS

- | | | | |
|------------------------|------------------|------------------------|------------------------------------|
| 1. Depth <u>1,750'</u> | To <u>1,950'</u> | No. of Sacks <u>85</u> | How Placed <u>pump & disp.</u> |
| 2. Depth <u>20'</u> | To <u>30'</u> | No. of Sacks <u>15</u> | How Placed <u>by hand</u> |
| 3. Depth _____ | To _____ | No. of Sacks _____ | How Placed _____ |

Mud Record: Weight 10.0 Viscosity 38

Remarks: _____

This work was done according to the Rules and Regulations of the Department of Conservation.

Ed Herrington
WITNESS

DAVIS OIL COMPANY

COMPANY

(Signed)

X L. Richard
REPRESENTATIVE

129
AUBREY G. BURKE
LICENSED STATE LAND SURVEYOR
LOUISIANA & TEXAS
1000 BARONNE BUILDING
NEW ORLEANS 12, LA.

AUBREY G. BURKE
LICENSED STATE LAND SURVEYOR
LOUISIANA & TEXAS
1000 BARONNE BUILDING
NEW ORLEANS 12, LA.
March 9, 1964

TELEPHONES:
OFFICE 824-9308
HOME 729-2829

Davis Oil Company
218 Richards Bldg.
New Orleans 12, La.

Attention: Mr. Reid Waltman

Dear Sir:

Attached are prints showing:

DAVIS OIL COMPANY
HARRERO LAND & IMI. ASSOC. LTD.
LOCATION NO. 1
SECTION 77, T14S-R23E
JEFFERSON PARISH, LA.

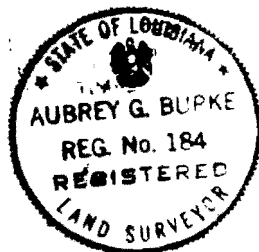
Location No. 1 is described as follows:

Location No. 1 is located 1990 feet north
of the south line and 990 feet east of the west line of
Section 77.

Yours very truly,

Aubrey G. Burke
Aubrey G. Burke

RECEIVED
AGB:ld



LAND & WATER SURVEYING
AND
WELL LOCATIONS
PROPERTY LINES
LEASE CONVEYANCES
FENCE LINES & EASEMENTS

AUBREY G. BURKE
LICENSED STATE LAND SURVEYOR
LOUISIANA & TEXAS
1000 BARONNE BUILDING
NEW ORLEANS 12, LA

TELEPHONE:
OFFICE 824-9508
HOME 729-2828

March 9, 1964

C E R T I F I C A T E

I, Aubrey G. Burke, Licensed State Land Surveyor
No. 184, hereby certify that DAVIS OIL COMPANY, MARRERO
LAND & IMP. ASSOC. LTD., LOCATION NO. 1, SECTION 77,
T14S-R23E, JEFFERSON PARISH, LOUISIANA was made from an
actual survey on the site by me and is correct as shown
on attached plat.

Aubrey G. Burke
Aubrey G. Burke,
Surveyor



RECEIVED
JUN 24 1964
RECEIVED

Davis Oil Company

Morrero Land & Improvement Bureau

Jefferson

4-11-64

Sea Level

No

Slope tests

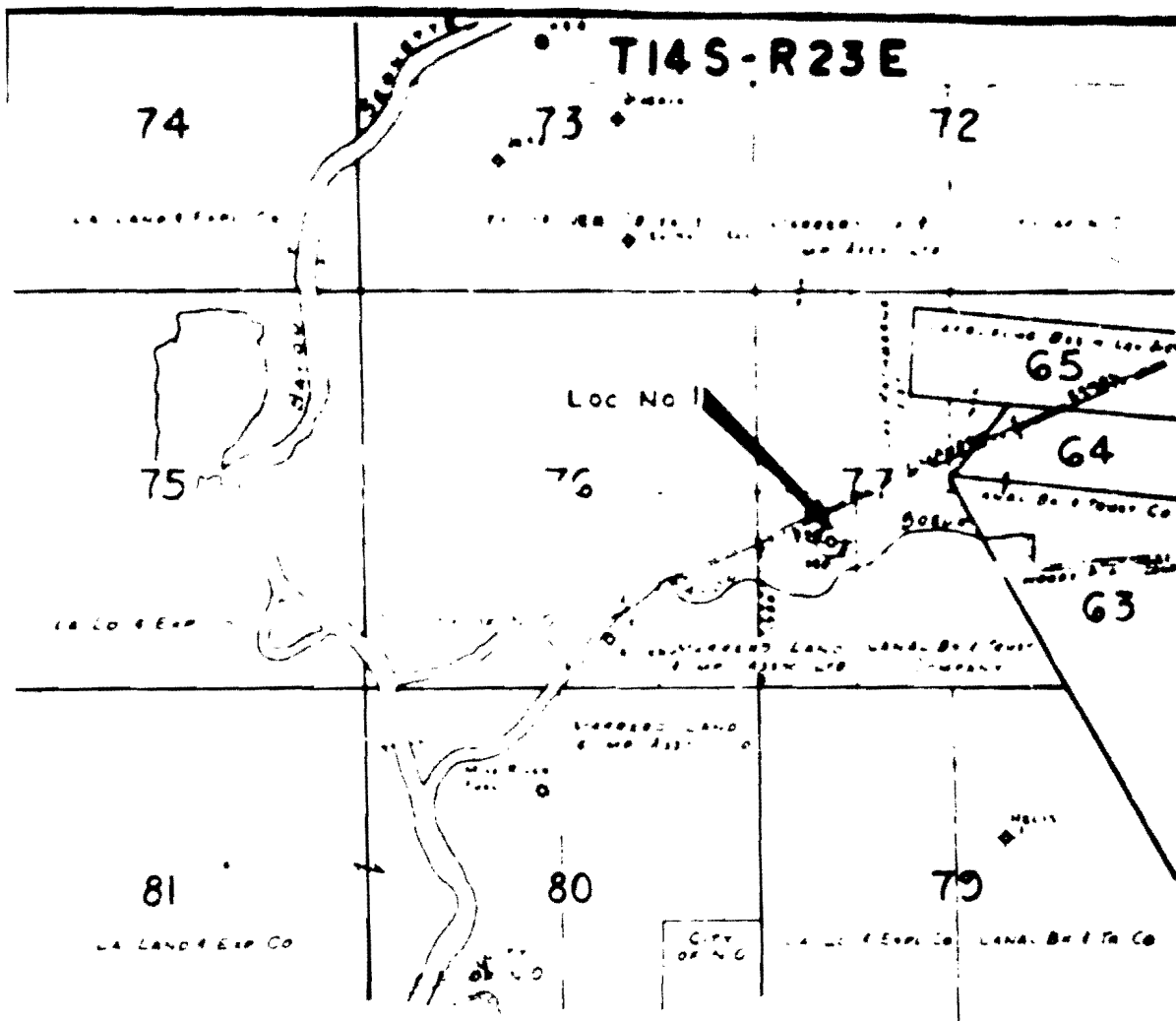
No

JES₂ Formation Tester

9-5/8	12-1/4	36	1845'	1,000	1,000	.5	4-14-64	Joe Boudoin-Contractor
-------	--------	----	-------	-------	-------	----	---------	------------------------

9-5/8	None	1750'	1950'	35	Displacement	4-30-64	Ed Herrington-Contr.
		20'	30'	5	By Hand	4-30-64	" " "

Davis Oil Company



DAVIS OIL COMPANY
MARRERO LD. & IMP. ASSOC. LTD.

LOC. NO. 1

SECTION 77, T14S-R23E
JEFFERSON PARISH, LA.

SCALE 1"=2000'

MARCH 1964



Aubrey G. Burke
AUBREY G. BURKE, SURVEYOR
REG. NO. 184 N. O. 12, LA.

H.O.

JEFFERSON

4, 12, 6

NEW ORLEANS

DAVIS OIL COMPANY
215 KITCHENS BLVD
NEW ORLEANS, LA.
HARRIS L&G ASSN. NO. 1
SEC 77, T14S, R14E
1000' H&L & 900' H&L OF SEC 77.

101624

P. V. D. 10,000

NEW ORLEANS

NEW ORLEANS

NEW ORLEANS

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NEW ORLEANS

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

WORK PERMIT

PERMIT TO Plug & Abandon DATE April 30, 1964
PARISH Jefferson FIELD Bayou Segnette
COMPANY Davis Oil Company
ADDRESS 740 Oil & Gas Bldg., New Orleans, La. 70112
WELL NAME Harris Ld & Imp. Assn. 1 SEC 77, T14S, R14E
WELL PERMIT SERIAL NO 101624 WORK PERMIT NO 103-64
LOCATION Q. L.

YOU ARE HEREBY AUTHORIZED TO Set an SS back cement plug
at 1,750' to 1,950' and a 15' back plug from 20' to 30'
and abandon well.

PERMIT REQUESTED BY E. L. Fitchard

Company Representative

AUTHORIZED BY S. J. Stahl
New Orleans.

District Office

NOV 1953
JEFFERSON

WILKINSON

ACCIDENTAL FIRE - PROHIBITED
P.O. BOX 51440 OCS
LAFAYETTE, LOUISIANA
CITY NEW ORLEANS TRUSTEE ET AL
SEC. 75, TIAS 7232
BOOKS & RECORDS OF NEW ORLEANS

RECEIVED
NOV 1953
P.O. BOX

98625

DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

PLUG AND ABANDON REPORT

DATE WORK DONE 8-24-66

WELL SERIAL NO. 11320

WORK PERMIT NO. _____

NEW ORLEANS DISTRICT

(Three Copies to be Filed with the District Office)

NOTE This Report Will be Returned if Not Properly Completed And Signed

Field WILKAT Parish JEFFERSON Sec. 7 Twp. 153 Pge. 238

Company CENTRAL PETROLEUM CORPORATION Lease 1177 OF NEW ORLEANS TRUSTEE et al Well No. 1

Total Depth 984' Condition of Well PLUGGED AND ABANDONED

1. Surface Casing	Size <u>10-3/4"</u>	Depth <u>1891'</u>	Amount Piped <u>None</u>
2. Protection Casing	Size _____	Depth _____	Amount Piped _____
3. Production Casing	Size _____	Depth _____	Amount Piped _____

CEMENT PLUGS

1. Depth <u>1891'</u>	L. <u>179'</u>	No. of Sacks <u>9</u>	H. & P. et al <u>80-11277</u>
2. Depth <u>984'</u>	L. <u>0'</u>	No. of Sacks _____	H. & P. et al _____

WITNESS

WITNESS

WITNESS

WITNESS

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WITNESS

WITNESS

WITNESS

WITNESS

WITNESS

WITNESS

Form - P & A

STRICK

MINERALS DIVISION
DEPARTMENT OF CONSERVATION
STATE OF LOUISIANA

WORK PERMIT

PERMIT TO Plug & Abandon DATE June 20, 1946
PARISH Jefferson FIELD Wildcat
COMPANY Occidental Petroleum Corporation
AGENTS P.O. Box 51440-002-Lafayette, La.
WELL NAME City of New Orleans Number 1 76 1AD 2HE
WELL PERMIT NUMBER 145363 OF 61 205-46
APPLICANT O.R.

THE WORK HEREIN AUTHORIZED Plug & Abandon well by placing
cement plug from 1701' to 1705' and 20' to top of surface
 casing.

1945'

WITNESSED AND ENTERED AT O. R. Cook

ATTEST

65

Ray Grimes
Director

Form 100-46

... ..

... ..

... ..

Appendix B - Louisiana State-Wide Order 29-B

State of Louisiana, Department of Conservation, state-wide order governing the drilling, producing, and plugging of oil and gas wells in the state of Louisiana.

STATE OF LOUISIANA
DEPARTMENT OF CONSERVATION
BATON ROUGE, LOUISIANA

August 26, 1974

STATE-WIDE ORDER GOVERNING THE DRILLING
FOR AND PRODUCING OF OIL AND GAS IN THE
STATE OF LOUISIANA.

* * * * *

ORDER NUMBER 29-B

(Composite Order incorporating Amendments through March 1, 1974)

Pursuant to power delegated by Act 157 of 1940 and other Acts of the Legislature of the State of Louisiana, and after hearings in New Orleans on June 15th, July 27th, and August 19th, 1942, following publication of notice of hearing not less than ten (10) days prior to said meetings in the official journal of the State of Louisiana, the "STATE-TIMES" in Baton Rouge, Louisiana, the following rules and regulations are promulgated by the Commissioner of Conservation as being reasonably necessary to conserve the natural resources of the State, to prevent waste of oil and gas as defined by law, and otherwise to carry out the provisions of said Act. These rules and regulations shall govern the drilling for and producing of oil and gas or either of them in the State of Louisiana, except where these rules and regulations conflict with orders issued by the Commissioner of Conservation on specific fields.

SECTION I - DEFINITIONS

Unless the context otherwise requires, the words defined in this section shall have the following meanings when found in this order:

The DEPARTMENT shall mean the DEPARTMENT OF CONSERVATION of the State of Louisiana.

The DISTRICT MANAGER shall mean the head of any one of the DISTRICTS of the STATE under the DIVISION OF MINERALS, and as used, refers specifically to the Manager within whose district the well or wells are located.

The AGENT shall mean the DIRECTOR of the DIVISION OF MINERALS, the CHIEF ENGINEER thereof, or any of the District Managers or their Aides.

SECTION II - APPLICATION TO DRILL

A. All applications for permits to drill wells for oil or gas or core test wells below the fresh water sands shall be made on Form MD-10R or revisions thereof, and mailed or delivered to the District Office. These applications, in duplicate, shall be accompanied by three copies of the location plat, preferably drawn to a scale of five hundred feet (500') to the inch. The plats shall be constructed from data compiled by a registered civil engineer or surveyor and shall definitely show the amount and location of the acreage with reference to quarter-section corners, or other established survey points. There shall also be shown all pertinent lease and property lines, leases and offset wells. When the tract to be drilled is composed of separately owned interests which have been pooled or unitized, the boundaries to and the acreage in each separately owned interest must be indicated. Plats must have well locations certifications either written on or attached to the well location plats and this certification must be signed by a registered civil engineer, qualified surveyor or a qualified engineer regularly employed by the applicant. If possible the application card shall give the name and address of the drilling Contractor, otherwise the information, as soon as

SECTION XVIII - DIRECTIONAL DRILLING AND WELL SURVEYS
(Continued)

(b) The surface location is less than 330 feet from the nearest property line, and the well is drilled below a depth of 3,786 feet, or

(c) The resultant lateral deviation as calculated from Inclination Survey data is a distance greater than the distance from the center of the surface location of the well bore to the nearest property line, or

(d) The well bore deviates laterally a resultant distance greater than that determined by a five degree (5°) angle from a vertical line passing through the center of the surface location of the well bore.

Property Line, as used herein, shall mean the boundary dividing tracts on which mineral rights, royalty rights or leases are separately owned except that where a unit as defined in Section 9, Paragraph B, of Revised Statutes of 1950, has been created, the boundaries of the unit shall be considered the property line.

4. The Commissioner of Conservation, on his own initiative or at the request of an offset operator, shall have the right to require the operator to run a Directional Survey on any well if there is reasonable cause therefor. Whenever a survey is so required by the Commissioner at the request of an offset operator and the operator of the well and the offset operator are unable to agree as to the terms and conditions for running such survey, the Commissioner, upon request of either, shall determine such terms and conditions, after notice to all interested parties and a public hearing.

5. Unless required by the Commissioner of Conservation under Paragraph 4 hereof, a Directional Survey shall not be required for any well which is not directionally controlled and thereby intentionally deflected from the vertical and which has a surface location, maximum angle of deviation, and total depth, all in compliance with the provisions hereof.

6. The Commissioner of Conservation may assess appropriate penalties for failure to comply with any of the provisions hereof.

7. The provisions hereof shall not alter or affect the minimum spacing provisions of Statewide Orders 29-E and 29-H or any other applicable orders.

SECTION XIX - PLUGGING AND ABANDONMENT

A. SCHEDULE OF ABANDONMENT

1. Dry Holes

All wells drilled for oil or gas and found to be dry prior to or after the effective date of this order shall be plugged within ninety (90) days after operations have been completed thereon or ninety (90) days after the effective date of this order, whichever is later, unless an extension of time is granted by the Commissioner of Conservation.

2. Other Wells on or After Effective Date of Order

a. All wells wherein production operations or use as a service well have ceased on or after the effective date of this order shall con-

SECTION XIX - PLUGGING AND ABANDONMENT
(Continued)

use as a service well along with the date of last production or date the service well ceased to be used; and, after six (6) months, if such a well has not been restored to production or use as a service well, it shall thereafter be reported by the Operator on the semi-annual "Inactive Well Report" (Form INACT WR-1 (1974)) which report shall be filed with the Department of Conservation showing the status of such well as of April 1 and October 1 of each year (report to be filed no later than April 25 and October 25). Such wells shall continue to be reported on the Form DM-1-R or Form DT-1 showing the date of last production or the date the well ceased to be used as a service well, together with a notation showing the well is carried on the Form INACT WR-1 (1974), "Inactive Well Report" until the well is plugged and abandoned.

b. The "Inactive Well Report" shall list the field, well name, well number and other pertinent data and provide an appropriate column to classify such well as having either 1) future utility, or 2) no future utility. If the well is classified as having future utility, Operator shall specify such utility by completing the appropriate column on the form. Wells so classified shall be reviewed periodically by the District Manager who, at his discretion, may require an Operator to supply additional information to justify the classification.

c. All such wells classified on the "Inactive Well Report" by either the Operator or the District Manager as having no future utility shall be plugged within ninety (90) days from the date of such classification unless any such well is included in a "Schedule of Abandonment" approved or promulgated by the Commissioner of Conservation or an extension of time is otherwise granted by the Commissioner of Conservation. The date any "Schedule of Abandonment" is approved or promulgated or an extension of time expires shall be shown in the appropriate column on the form.

3. Other Wells Prior to Effective Date of Order

a. All wells wherein production operations or use as a service well have ceased prior to the effective date of this order shall continue to be reported on the Form DM-1-R or Form DT-1 with the appropriate notation that the well is off production or no longer in use as a service well along with the date of last production or date the service well ceased to be used; and, after six (6) months from the effective date of this order if such a well has not been restored to production or use as a service well it shall thereafter be reported, classified and subject to review in the same manner provided for in the preceding Paragraph 2 except as hereinafter otherwise provided.

b. A well classified on the "Inactive Well Report" by either the Operator or the District Manager as having no future utility shall not be required to be plugged within a specified period of time but will be plugged in accordance with a "Schedule of Abandonment" submitted by the Operator and approved or otherwise promulgated by the Commissioner of Conservation.

4. Schedule of Abandonment

SECTION XIX - PLUGGING AND ABANDONMENT

(Continued)

practices and take into account any economic considerations and other circumstances which would affect such a program of plugging wells. Any "Schedule of Abandonment" approved or promulgated by the Commissioner of Conservation shall be followed unless modified by the Operator with approval of the Commissioner. Reference to the approved "Schedule of Abandonment" shall be made on the "Inactive Well Report" for each well which is included in such a program and has not yet been plugged.

5. Administrative Interpretation

For purposes of administering the heretofore mentioned paragraphs, it is understood that:

- a. A wellbore which is completed in more than one common source of supply (multiple completions) shall not be considered as ceasing to produce and shall not be reported on the "Inactive Well Report" as long as there is production from or operations in any completion in the wellbore.
- b. Wells classified as having "future utility" may be off production or shut-in but are considered to have future utility for producing oil or gas or for use as a service well.
- c. No completion with a transferred allowable credit will be carried on the "Inactive Well Report."

B. The responsibility of plugging any well over which the Commissioner of Conservation has jurisdiction shall be the owner(s) of record.

C. In the event any owner(s) responsible for plugging any well fails to do so, and after a diligent effort has been made by the Department to have said well plugged, then the Commissioner may call a Public Hearing to show cause why said well was not plugged.

D. The Commissioner or his agent may require the posting of a reasonable bond with good and sufficient surety in order to secure the performance of the work of proper abandonment.

E. The District Manager shall be notified immediately by the new operator whenever a change of operator occurs. This must be accomplished by submitting Department of Conservation Form MD-10-RA (Application for Amended Permit to Drill for Minerals) to reflect the new operator.

F. PLUGGING PROCEDURES

- 1. Notification of intention to plug any well or wells over which the Commissioner of Conservation has jurisdiction, shall be given to the appropriate District Manager prior to the plugging thereof. Notification shall be made in writing to the District Office in the form of a WORK PERMIT (Form DM-4 Rev.) for which an original and three copies are required. Where plugging involves a well with a rig on location, the District Manager may grant verbal approval to plug and abandon the well provided the WORK PERMIT is subsequently submitted. Any operator who fails to comply with this requirement may be required by the District Manager to place additional cement plug(s) and/or prove the plug(s) are

SECTION XIX - PLUGGING AND ABANDONMENT
(Continued)

placed as the operator states they are.

2. Once an operator has been issued a WORK PERMIT to plug and abandon a well by the appropriate District Manager, then said operator shall be required to contact the appropriate Oil and Gas Inspector a minimum of twelve (12) hours prior to beginning the plugging operations. During drilling and/or workover operations, the requirement to contact the appropriate Oil and Gas Inspector a minimum of twelve (12) hours prior to beginning the plugging operations shall be waived at the time verbal notification is made to the District Office.

3. In plugging wells, it is essential that all oil or gas bearing formations be protected.

a. Sufficient cement shall be used to adequately isolate each perforated pool, one from the other. A cement plug of at least one hundred feet (100') shall be placed immediately above or across the uppermost perforated interval of the pool. If he deems it advisable, the District Manager may allow a bridge plug with a minimum of ten feet (10') of cement on top to be placed immediately above each producing pool.

b. In wells completed with screen or perforated liners, if it is impractical for the operator to remove the screen or perforated liner, he shall place a cement plug of at least one hundred feet (100') with the bottom as near as practical to the top of the screen or liner. If the District Manager deems it advisable, a bridge plug with a minimum of ten feet (10') of cement on top and placed as near as practical to the top of the screen or liner may be used in lieu of the cement plug.

c. When production casing is not run or is removed from the well, a cement plug of at least one hundred feet (100') shall be placed from at least fifty feet (50') below the shoe of the surface casing to at least fifty feet (50') above. In lieu of the above, the operator shall have the option of using a cement retainer placed at least fifty feet (50') above the surface casing shoe and a sufficient amount of cement shall be squeezed below the the retainer to form a cement plug from the base of the retainer to fifty feet (50') below the base of the surface casing. A ten foot (10') cement plug shall be placed on top of the retainer.

d. If fresh water horizons are exposed when production casing is removed from the well, or as a result of production casing not being run, a cement plug shall be placed from at least one hundred feet (100') below the base of the deepest fresh water sand to at least one hundred fifty feet (150') above the base of the sand. A cement plug of at least one hundred feet (100') shall also be placed from at least fifty feet (50') below the shoe of the surface casing to at least fifty feet (50') above it. In lieu of the above, the operator shall have the option of using a cement retainer placed at least fifty feet (50') above the surface casing shoe and a sufficient amount of cement shall be squeezed below the retainer to form a cement plug from the base of the retainer to fifty feet (50') below the base of the surface casing. A ten foot (10') cement plug shall be placed on top of the retainer.

SECTION XIX - PLUGGING AND ABANDONMENT

(Continued)

- e. The setting and location of the first plug below the top thirty foot (30') plug shall be verified by tagging. In the event a retainer is used, tagging will not be necessary.
 - f. Additional cement plugs shall be placed to adequately contain any high pressure oil, gas or water sands or as may be required by the District Manager.
 - g. A thirty foot (30') cement plug minimum shall be placed in the top of the well.
 - h. Mud laden fluid of not less than nine (9.0) pounds per gallon shall be placed in all portions of the well not filled with cement, unless otherwise approved by the District Manager.
 - i. All cement plugs shall be placed by the circulation or pump down method unless otherwise authorized by the District Manager. The hole must be in a static condition at the time the plugs are placed.
 - j. After placing the top plug, the operator shall be required on all land locations to cut the casing a minimum of two feet (2') below plow depth. On all water locations, the casing shall be cut a minimum of ten feet (10') below the mud line. If an operator contemplates reentering the well at some future date for salt water disposal or other purpose, the District Manager may approve after receiving written request from an operator not to cut off the casing below plow depth or mud line.
 - k. The plan of abandonment may be altered if new or unforeseen conditions arise during the well work but only after approval by the District Manager.
4. Upon plugging any well for any cause, a complete record thereof shall be made out, duly verified and filed in triplicate on Form P&A in the District Office within twenty (20) days after the plugging of such well. A cementing report shall be filed with the plugging report.

G. WELL TO BE USED FOR FRESH WATER

When the well to be plugged may be safely used as a fresh water well and the owner or owners of the well have, by a mutual written agreement with the landowner, agreed to turn the well over to the landowner for that purpose, then the well need not be filled above the plug set below the fresh water formation; provided, however, that the signed agreement or (if recorded in the public records) a certified copy thereof be filed with the appropriate District Manager, which shall relieve the owner or owners who turn the well over to the landowner from responsibility above the plug. The plugging report shall indicate that the well has been or will be converted to a fresh water well.

H. TEMPORARY ABANDONMENT OF DRILLING WELLS

Any drilling well which is to be temporarily abandoned and the rig moved away, shall be mudded and cemented as it would be for permanent abandonment, except a cement plug at the surface may be omitted.

Appendix C - Plug And Abandonment Procedures For Wells

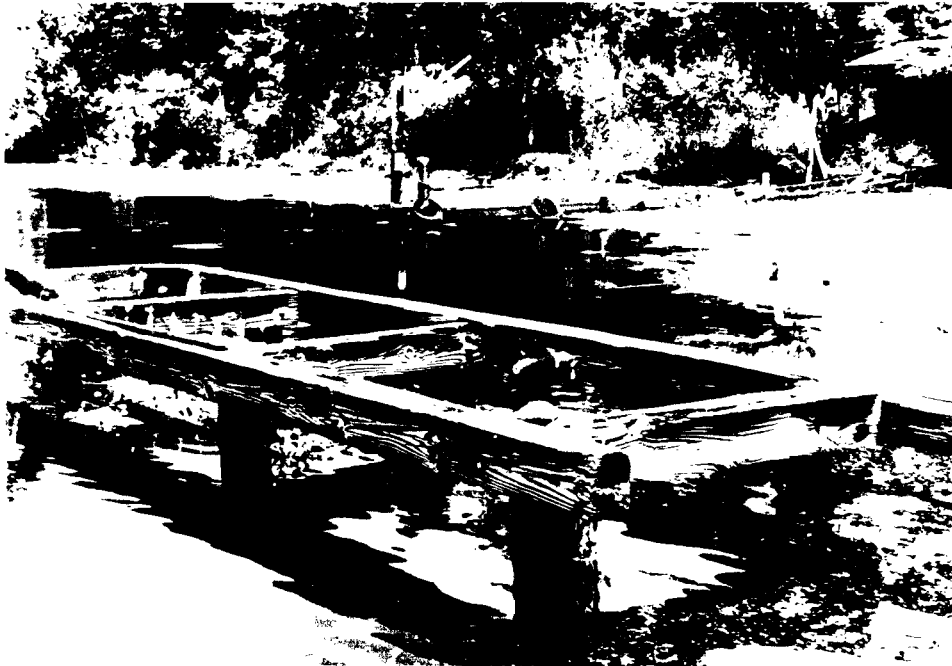
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William G. Helis 1 (51700)

This well was partially plugged and abandoned on April 28, 1954, by the company representing the Estate of William G. Helis. The well was plugged from 2880 feet to 3080 feet using 100 sacks of cement and from 140 feet to 190 feet using 25 sacks of cement. The well currently is temporarily plugged with a swedge screwed into the surface casing. Pylons and cross beams surround and protect the wellhead. The well should be permanently plugged and abandoned as follows:

*** Plugging Procedure ***

- A. Pull pylons from at least 10 feet below mud line.
- B. Remove swedge and rig-up on surface casing. Tag lower plug.
- C. Plug from 100 feet to 10 feet below mud line using circulation method with 45 sacks of 11 ppg, class A cement. Use 9 ppg mud below plug.
- D. Wait on cement for 24 hours. Check integrity of cement.
- E. Cut-off all casing strings at 10 feet below mud line. Dispose of casing and pylons outside of park.



Mobil Oil Corporation 1 (51724)

This well was partially plugged and abandoned on May 24, 1954 by Superior Oil Company. All of Superior Oil's assets were subsequently purchased by Mobil Oil Corporation on or about September 1, 1984. The Plug and Abandon Record indicates that the well was plugged from surface to 100 feet, 2,337 feet to 2,532 feet, and from 9,709 feet to 10,039 feet. A pylon is present to protect the wellhead and mark its location. The final plugging should be completed in the following manner:

*** Plugging Procedure ***

- A. Pull pylons from at least 10 feet below mud line.
- B. Cut-off all casing strings at 10 feet below mud line. Dispose of casing and pylons outside of park.



Rosewood Corporation 1 (56312)

This well was plugged on June 7, 1955 by the operator, Caroline Hunt Sands. All of Caroline Hunt Sand's assets are currently owned and controlled by the Rosewood Corporation. The Plug and Abandonment Record indicates that a cement plug was set from 2360 feet to 2560 feet with 100 sacks of cement. A 10 3/4 inch removable bull plug was then placed on the surface casing. The well surface casing is currently a navigational hazard and should be appropriately removed. The final plugging should be completed in the following manner:

*** Plugging Procedure ***

- A. Remove bull plug and rig-up on surface casing. Tag lower plug.
- B. Plug from 100 feet to 10 feet below mud line using circulation method with 45 sacks of 11 ppg, class A cement. Use 9 ppg mud below plug.
- C. Wait on cement for 24 hours. Check integrity of cement.
- D. Cut-off all casing strings at 10 feet below mud line. Dispose of casing outside of park.



Unity Hunt Resources 1 (58327)

This well was partially plugged and abandoned on October 22, 1955, by the operator, Lamar Hunt, currently Unity Hunt Resources. According to the Plug and Abandon Record from the Department of Conservation, State of Louisiana, the well was plugged from 2400 feet to 2600 feet and a 10 3/4 inch bull plug was placed at surface. To properly plug the surface hole and remove the surface casing the proceeding plugging procedures are recommended:

* Plugging Procedure *

- A. Remove bull plug and rig-up on surface casing. Tag lower plug.
- B. Plug from 100 feet to 10 feet below mud line using circulation method with 45 sacks of 11 ppg, class A cement. Use 9 ppg mud below plug.
- C. Wait on cement for 24 hours. Check integrity of cement.
- D. Cut-off all casing strings at 10 feet below mud line. Dispose of casing outside of park.



Chevron U.S.A. Incorporated 1 (70192)

This well was partially plugged and abandoned on May 20, 1958, by the California Company, currently Chevron U.S. A. Incorporated. According to the Plug and Abandon Record from the Department of Conservation, State of Louisiana, the well was plugged from 2930 feet to 3130 feet, 2880 feet to 2930 feet, and 35 feet to 85 feet using 100, 25, and 25 sacks, respectively. Wood pylons and cross beams surround and protect the well. To properly plug and abandon the well, the following procedures are recommended:

*** Plugging Procedure ***

- A. Pull pylons from at least 10 feet below mud line and remove.
- B. Check the surface plug's placement by tagging, if the surface plug is below 50 feet, plug the well from the top of the surface plug (no more than 100 feet) with 45 sacks of 11 ppg, class A cement to 10 feet using the circulation method. Use 9 ppg mud below plug.
- C. Wait on cement for 24 hours. Check integrity of cement.
- D. Cut-off all casing strings at 10 feet below mud line. Dispose of casing outside of park.



F. A. Callery 1 (83959)

This well was partially plugged and abandoned on April 13, 1961, by F. A. Callery, Incorporated. All records and communication with former members of this organization indicate that this corporation has been totally dissolved and all assets were disposed of at least 15 years ago. According to the Plug and Abandon Record from the Department of Conservation, State of Louisiana, the well was plugged from 2116 feet to 1916 feet and from 20 feet to surface, using 100 and 10 sacks, respectively. Wood pylons surround and protect the well. To properly plug and abandon the well, the following procedures are recommended:

*** Plugging Procedure ***

- A. Pull pylons from at least 10 feet below mud line and remove.
- B. Drill out surface casing to 100 feet. Tag lower plug.
- C. Plug from 100 feet to 10 feet below mud line using circulation method with 45 sacks of 11 ppg, class A cement. Use 9 ppg mud below plug.
- D. Wait on cement for 24 hours. Check integrity of cement.
- E. Cut-off all casing strings at 10 feet below mud line. Dispose of casing and pylons outside of park.



CNG Producing Company 1 (98559)

Hope Natural Gas Company drilled this well in October of 1963. All assets for Hope have been disposed of and it is no longer a viable company. CNG Producing Company was the partner in most of the wells drilled by Hope and may be a source of funds to finish plugging this well. The well was originally plugged and abandoned on October 14, 1963. According to the Plug and Abandon Record from the Department of Conservation, State of Louisiana, the well was plugged from 1925 feet to 1713 feet with 100 sacks of cement and from 185 feet to 80 feet with 50 sacks of cement. Also, a Howco "DC" plug was set at 1037 feet. Wood pylons currently surround and protect the well. To properly plug and abandon the well, the following procedures are recommended:

*** Plugging Procedure ***

- A. Pull pylons from at least 10 feet below mud line and remove.
- B. Tag lower plug.
- C. Plug from 80 feet to 10 feet below mud line using circulation method with 40 sacks of 11 ppg, class A cement. Use 9 ppg mud below plug.
- D. Wait on cement for 24 hours. Check integrity of cement.
- E. Cut-off all casing strings at 10 feet below mud line. Dispose of casing and pylons outside of park.



Enron Oil & Gas Company 1 (99887)

This well was partially plugged and abandoned on December 22, 1963, by Eason Oil Company. Enron Oil & Gas Company purchased Eason's assets through the purchase of Florida Exploration Company (Florida Gas originally purchased Eason). According to the Plug and Abandon Record from the Department of Conservation, State of Louisiana, the well was plugged from 1845 feet to 2220 feet and a cement plug was set at the top of the surface pipe. The well is not protected by wood pylons and is at water level making it difficult to see and consequently hazardous. To properly plug and abandon the well, the following procedures are recommended:

*** Plugging Procedure ***

- A. Drill out surface casing to 100 feet. Tag lower plug.
- B. Plug from 100 feet to 10 feet below mud line using circulation method with 45 sacks of 11 ppg, class A cement. Use 9 ppg mud below plug.
- C. Wait on cement for 24 hours. Check integrity of cement.
- D. Cut-off all casing strings at 10 feet below mud line. Dispose of casing and pylons outside of park.



Davis Petroleum Corporation 1 (101624)

This well was partially plugged and abandoned on April 30, 1964, by Davis Oil Company, currently Davis Petroleum Company. According to the Plug and Abandon Record from the Department of Conservation, State of Louisiana, the well was plugged from 1750 feet to 1950 feet with 85 sacks of cement and from 20 feet to 30 feet with 15 sacks of cement. The well is not protected by wood pylons and is at water level making it difficult to see and consequently hazardous. To properly plug and abandon the well, the following procedures are recommended:

*** Plugging Procedure ***

- A. Drill out surface casing to 100 feet. Tag lower plug.
- B. Plug from 100 feet to 10 feet below mud line using circulation method with 40 sacks of 11 ppg, class A cement. Use 9 ppg mud below plug.
- C. Wait on cement for 24 hours. Check integrity of cement.
- D. Cut-off all casing strings at 10 feet below mud line. Dispose of casing and pylons outside of park.



Occidental Petroleum Corporation 1 (115363)

This well was partially plugged and abandoned on June 20, 1966, by Occidental Petroleum Corporation. According to the Plug and Abandon Record from the Department of Conservation, State of Louisiana, the well was plugged from 1991 feet to 1791 feet with 90 sacks of cement and from 30 feet to surface with 20 sacks of cement. The well is not protected or marked by wood pylons. To properly plug and abandon the well, the following procedures are recommended:

*** Plugging Procedure ***

- A. Drill out surface casing to 100 feet. Tag lower plug.
- B. Plug from 100 feet to 10 feet below mud line using circulation method with 45 sacks of 11 ppg, class A cement. Use 9 ppg mud below plug.
- C. Wait on cement for 24 hours. Check integrity of cement.
- D. Cut-off all casing strings at 10 feet below mud line. Dispose of casing and pylons outside of park.



Appendix D - Original Plug And Abandonment Cost Bids

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BARRIOS WELL SERVICE, INC.

COMPLETE WORK OVER SERVICE

ROUTE 1, BOX 99

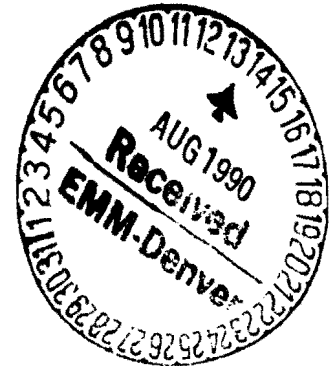
LOCKPORT, LOUISIANA 70374

DANNY BARRIOS

President

TELEPHONE
Area Code 504-532-2745

August 9, 1990



Mr. Ken Boucher
National Park Service
12795 W. Alameda Blvd.
Room 221
Lakewood, CO 80228

Mr. Boucher

Please find attached our miscellaneous price schedule and equipment listing.

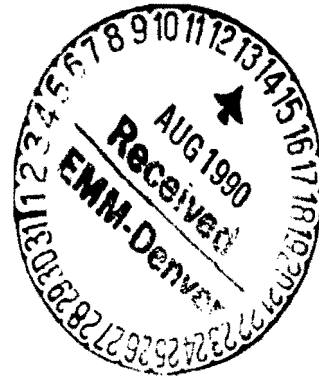
If we can be of further assistance please give us a call.

Sincerely

Danny W. Barrios
President
Barrios Well Service, Inc.

DWB:taa
Attachments

PRICE SCHEDULE



Rates for Rigs 4, 6, 7, and 8:

Daylight Operations.....	\$ 160.00	per hour
Trucking.....	current	L.S.P.C. rates
Fuel.....	cost	

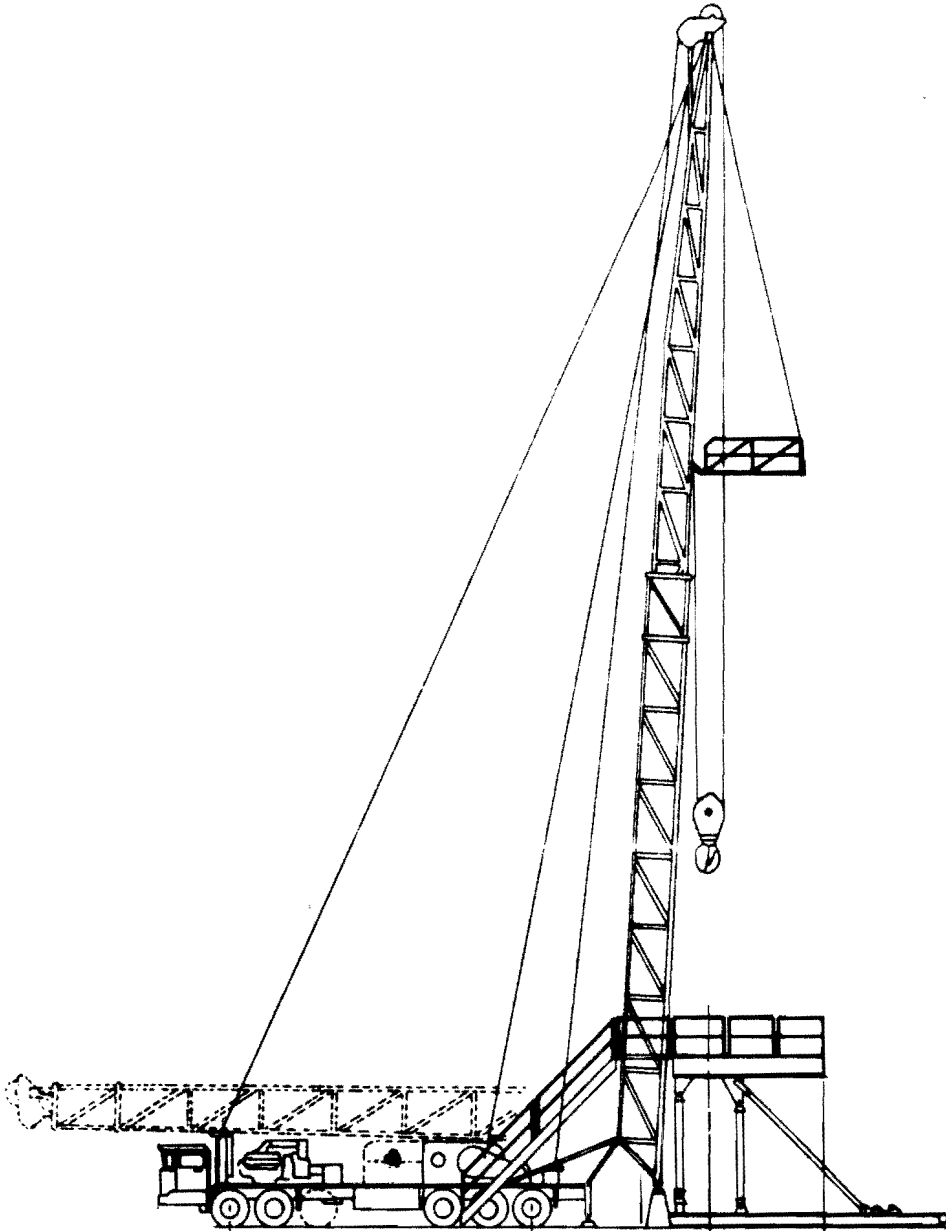
Rates for Rig 5:

Twenty-four Hour Operations.....	\$ 170.00	per hour
Trucking.....	current	L.S.P.C. rates
Fuel.....	cost	

General Prices:

Wiper Rubber.....	\$ 46.75
Stripper Rubber.....	\$ 84.10
Additional Labor - per man hour.....	\$ 15.00
Watchman - per hour.....	\$ 5.00
Potable Water.....	cost
BOP Ram Elements - per set.....	\$ 350.00
BOP Annular Element.....	\$ 1,600.00
26' Office Trailer - per day rental.....	\$ 15.00
26' Office Trailer - transportation each way.....	\$ 100.00
15 Ton Gin Pole Truck - per hour.....	\$ 49.30
5 Ton Gin Pole Truck - per hour.....	\$ 36.50
1 Ton Truck with Trailer - per hour.....	\$ 29.50
4" Centrifical Pump - per day.....	\$ 35.00
Pipe Racks (2) - per day.....	\$ 10.00
Catwalk - per day.....	\$ 5.00
Mud Tank - 150 BBLs - per day.....	\$ 40.00
Mud Tank - cleaning charge.....	\$ 50.00
Portable Location Lighting System - per day.....	\$ 75.00

BARRIOS WELL SERVICE, INC.



PROVIDING SOUTH LOUISIANA WITH A COMPLETE WORKOVER SERVICE FOR OVER 20 YEARS

BARRIOS WELL SERVICE, INC.

TELEPHONE
Area Code 504. 532-2745

COMPLETE WORK OVER SERVICE

ROUTE 1, BOX 99
LOCKPORT, LOUISIANA 70374

HARRY A. BARRIOS
President

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RIG VIII - EQUIPMENT LIST

BARRIOS WELL SERVICE, INC.

GENERAL TERMS AND CONDITIONS

1. Contractor exercises precaution to keep equipment in good condition, and all equipment is used at the Customer's sole risk. Customer agrees the Contractor shall not be liable for any damages, whether subsurface or not, caused by such equipment or personnel. All equipment lost in the well or damaged beyond repair whether in the well or due to well conditions will be paid for by Customer at the current market price (replacement cost new), and all damaged equipment which can be repaired will be repaired, with the repair cost being born by the Customer.
2. Security is a very serious matter. The responsibility for the protection of the Contractor's equipment and tools while on location warrants a diligent effort on the part of the Customer and Contractor. A mutual understanding is needed prior to each job. The Contractor is not responsible for the security of any leased or rental tools on location.
3. Travel time on the unit will be charged as rig time from Lockport to location and return to Lockport. Highway permit costs will be charged to the Customer. Transportation costs on all allied and rental equipment will be charged to the Customer with a supporting invoice.
4. A 10% surcharge will be added to all third party charges except fuel and trucking.
5. Customer will furnish Contractor with suitable roads and location. Where road or location conditions are hazardous to the movement of equipment, any damages to equipment resulting from such conditions shall be charged to the Customer.
6. The cost of any special equipment needed to get on or off a bad location will be charged to the Customer.
7. Minimum work day will be twelve (12) hours, except weekends and first or last days of the job.
8. Eight hours down time will be allowed per job.
9. Servicing of equipment, and the slipping and cutting of drill lines will not be considered down time.
10. The cost of Blow Out Preventor ram elements will be charged to the Customer when they are damaged due to the working of pipe through them while the Blow Out Preventors are closed.

11. Hydraulic tubing tongs will not be used on drill pipe, nor will they be used for any type of drilling.
12. Customer will furnish any and all tools not listed under each rig inventory.
13. All derricks must have a firm foundation and be properly guyed before work commences.
14. Only Barrios Well Service employees will operate Barrios equipment, unless prior arrangements are made with Barrios Well Service management.
15. When the Customer's location is over sixty-five (65) miles one way from Lockport, a fee will be charged for either travel time when the crew commutes, or for room and board when the crew is housed near the location.
16. Any repair to Barrios Well Service rental equipment, normal wear and tear excepted, shall be billed to the Customer.
17. Terms shall be net 30 days from date of invoice. Finance charges are computed at the rate of $1\frac{1}{2}\%$ per month, which is an annual percentage rate of 18%.

EQUIPMENT LIST

RIG NO. FOUR:

Franks Explorer III "Rocket" Model 1287 single drum drawworks mounted on a Franks carrier, tandem front and rear, powered by a G. M. 8V-71N diesel engine with Allison 5 speed automatic transmission. Franks 96 foot tubular mast, hydraulic raising and telescoping, complete with tubing racking platform to stand pipe back in doubles. Rig equipped with 3 sheave traveling block, strung up with 1" drill line, weight indicator and working platform.

Gardner-Denver PA-8 high pressure mud pump powered by G. M. 8V-71N diesel engine, skidded/unitized, with shear relief valve and Cameron mud gauge.

Steel Mud Tank, 200 BBL.capacity, with hopper, mudguns and connections.

Hydraulic power tubing tongs, complete with 2 $\frac{3}{8}$ " and 2 $\frac{7}{8}$ " jaws.

Bowen Power Sub with swivel.

Cameron series 1500 hydraulic Blow Out Preventors with 2 $\frac{3}{8}$ " and 2 $\frac{7}{8}$ " pipe rams and blind rams.

High pressure circulating hose.

High pressure circulating and choke manifold

Guiberson tubing stripper.

Elevators, slip, tubing safety valve and necessary hand tools to handle 2 $\frac{3}{8}$ " and 2 $\frac{7}{8}$ " square collared tubing.

The crew consists of:

- 1 Toolpusher
- 1 Driller
- 1 Derrickman
- 2 Floormen

EQUIPMENT LIST

RIG NO. FIVE:

Franks Model 750 self propelled mobile workover rig with tandem front and triple axle rear, powered by two G. M. 8V71 diesel engines through Allison T-750 automatic transmissions. Model 2042 draw-works with full water circulating brake flanges and a 22" single hydrotarder. Franks 108 foot tubular mast. Derrick is hydraulic raising and telescoping. Integral hydraulic system handles the derrick, tong drive, catworks and handling winch. Rig equipped with florescent lighting, 4 sheave block with 1½" drill line, and stand pipe with 40' high pressure circulating hose.

Gardner Denver PA-8 high pressure triplex mud pump powered by G.M. 8V-71 diesel engine, skidded/unitized with shear relief valve and mud gauge.

2-275 BBL capacity mud tanks, sandblasted, zinc coated, and epoxy finished. Built integral to mixing tank; 20 BBL slug tank, hopper, mudguns, 6 × 8 centrifical pump powered by a G.M. 471 diesel engine complete with valves and connections for use in mud mixing, gun rolling, and heavy duty water service applications. Built integral to second tank are mud guns, shale shaker, and settling tank.

Cameron series 1500, 6" space saver blowout preventors with 2¾", 2½" and blind rams.

Shaffer series 1500, 6" annular blowout preventor.

3 stage accumulator for pipe rams, blind rams, and annular preventor.

Hydraulic power tubing tongs, complete with 2¾" and 2½" jaws.

Telescoping substructure with rotary table capable of working at 11 and 14 foot heights.

2-30 KW diesel generators.

Also included: Kelly and kelly bushings, tubing safety valve, swivel, high pressure choke manifold, high pressure circulating manifold, slips and elevators to handle 2¾" and 2½" tubing, pipe racks, catwalk, V-door, and fuel storage facilities.

Crew consists of:

- 1 toolpusher
- 1 driller
- 1 derrickman
- 2 floormen

EQUIPMENT LIST

RIG NO. SIX:

Franks Explorer II "Rocket" Model 1287 single drum drawworks mounted on a Franks carrier, tandem front and rear, powered by a G.M. 8V-71N diesel engine, with Allison 6 speed automatic transmission. Franks 96 foot tubular mast, hydraulic raising and telescoping, complete with tubing racking platform to stand pipe back in doubles. Rig equipped with 3 sheave traveling block strung up with 1" drill line, weight indicator and working platform.

Gardner-Denver PA-8 high pressure mud pump powered by G. M. 8V-71N diesel engine, skidded/unitized, with shear relief valve and Cameron mud gauge.

Steel Mud Tank, 200 BBL capacity, with hopper, mudguns and connections.

Hydraulic power tubing tongs, complete with 2 $\frac{3}{8}$ " and 2 $\frac{7}{8}$ " jaws.

Bowen Power Sub with swivel.

Cameron series 1500 hydraulic Blow Out Preventors with 2 $\frac{3}{8}$ " and 2 $\frac{7}{8}$ " pipe rams and blind rams.

High pressure circulating hose.

High pressure circulating and choke manifold.

Guiberson tubing stripper.

Elevators, slips, tubing safety valve and necessary hand tools to handle 2 $\frac{3}{8}$ " and 2 $\frac{7}{8}$ " square collared tubing.

The crew consists of:

- 1 Toolpusher
- 1 Driller
- 1 Derrickman
- 2 Floormen

EQUIPMENT LIST

RIG NO. SEVEN

Franks 400 Series Explorer III "Rocket" Model 1287 single drum drawworks mounted on a Franks carrier, tandem front and rear, powered by a G. M. 8V-92T diesel engine with Allison CLBT 750 Transmission. Franks 102', tubular mast, hydraulic raising and telescoping, complete with tubing racking platform to stand pipe back in doubles. Rig equipped with 3 sheave traveling block strung up with 1" drill line, weight indicator and working platform.

Gardner - Denver PA-8 high pressure mud pump powered by G. M. 8V-71 diesel engine, skidded/unitized, with shear relief valve and mud gauge.

Steel Mud Tank, 200 BBL. capacity, with hopper mudguns and connections.

Hydraulic power tubing tongs, complete with 2 $\frac{3}{8}$ " and 2 $\frac{7}{8}$ " jaws.

Bowen Power Sub with swivel.

Cameron series 1500 hydraulic Blow-out-Preventors with 2 $\frac{3}{8}$ " and 2 $\frac{7}{8}$ " pipe rams and blind rams.

High pressure circulating hose.

High pressure circulating and choke manifold.

Guiberson tubing stripper.

Elevators, slips, tubing safety valve and necessary hand tools to handle 2 $\frac{3}{8}$ " and 2 $\frac{7}{8}$ " collared tubing.

The crew consists of:

- 1 Toolpusher
- 1 Driller
- 1 Derrickman
- 2 Floormen

EQUIPMENT LIST

RIG NO. EIGHT

Franks 300 Series Explorer III "Rocket" Model 1287 single drum drawworks mounted on a Franks carrier, tandem front and rear, powered by a G.M. 8V-71 diesel engine with Allison CLBT 750 Transmission. Franks 96" tubular mast, hydraulic raising and telescoping, complete with tubing racking platform to stand pipe back in doubles. Rig equipped with 3 sheave traveling block, strung up with 1" drill line, weight indicator, and working platform.

Gardner - Denver PA-8 high pressure mud pump powered by G. M. 8V-71 diesel engine, skid-mounted/unitized, with shear relief valve and mud gauge.

Steel Mud Tank, 200 BBL.capacity, with hopper mudguns and connections.

Hydraulic power tubing tongs, complete with 2 $\frac{3}{8}$ " and 2 $\frac{7}{8}$ " jaws.

Bowen Power Sub with swivel.

Cameron series 1500 hydraulic Blow-out-Preventors with 2 $\frac{3}{8}$ " and 2 $\frac{7}{8}$ " pipe rams and blind rams.

High pressure circulating hose.

High pressure circulating and choke manifold.

Guiberson tubing stripper.

Elevators, slips, tubing safety valve and necessary hand tools to handle 2 $\frac{3}{8}$ " and 2 $\frac{7}{8}$ " collared tubing.

The crew consists of:

- 1 Toolpusher
- 1 Driller
- 1 Derrickman
- 2 Floormen



Dimensional Oilfield Services, Inc.

P.O. BOX 1537, HARVEY, LA 70059
(504) 394-8410

P.O. BOX 64, HOUMA, LA 70361
(504) 851-1028

P.O. BOX 52171, LAFAYETTE, LA 70508
(318) 235-1085

August 9, 1990



National Park Services
12795 West Alameda Blvd.
Room 221
Lake Wood, Colorado 80228

Attn: Mr. Kean Boucher

Re: Ten(10) wells to be removed in the Jean Lafitte Park area.

Below please find a lump sum bid to remove the subject wells and a day rate price schedule for the same work.

To sand cut wells 10' BML and pull 6 pilings	\$ 2,600.00/each
To place 100' of cement in wells, sand cut, and pull 6 pilings	\$ 4,550.00/each
To clean out 30' of cement in well and sand cut and pull 6 pilings (allowing 1 day to clean out well)	\$ 8,550.00/each

Should any conditions arise which are not within the scope of this bid an hourly rate of \$ 185.00/hour will take effect. Should the clean out of the cemented wells take more than one day the same hourly rate will take effect.

Below please find an hourly rate schedule.

PLUG AND ABANDONMENT BARGE PRICES

	<u>12 Hour Rate</u>	<u>One crew over 12 Hours</u>
4 man crew and equipment: PE-5 pump, 80 bbl. tank, 25 bbl blender, 2" overboard pump, cutting rig, handling tools, all necessary hoses and a full tool box. Tug, material and spud barge w/quarters.	\$ 3,490.00	\$ 185.00/hour
Supervisor	\$ 600.00	\$ 65.00/hour
Pump Operator	\$ 420.00	\$ 30.00/hour
Helper	\$ 350.00	\$ 25.00/hour

Sand cuts	\$	855.00/each well
Sand	\$	4.50/sack
Orifice tips	\$	45.00/each as used
Subsistence(if not supplied)	\$	44.00/day/man - offshore
	\$	75.00/day/man -land

- 1) Fuel and lube to be supplied by client.
- 2) Transportation of equipment to be at current ICC rates.
- 3) Land transportation of crews to be charged at \$ 1.00/mile.
- 4) Consumables to be charged at cost plus 15%.

If you have any questions concerning clarification of this price schedule, please call Jack Fernandez or Gene Crockett at (504) 394-8410.

Sincerely,


Jack Fernandez, Jr.

JF/mt



P.O. BOX 3409
2134 BAYOU BLUE ROAD
HOUMA, LOUISIANA 70361
(504) 873-9677

July 27, 1990

National Park Service
Colorado

Attn: Mr. Kean Bouche

RE: Plug & Abandonment
10 Wells - Jean LaFitte Nat'l Park

Dear Mr. Bouche:

Galaxy Wireline is pleased to submit the following prices to plug and abandon the above mentioned wells, as per state requirements to P&A and clean well sites.

DAY RATE.....\$ 3,500.00
TURNKEY PRICE PER WELL.....\$ 4,500.00

Thank you for the opportunity to submit this price quote on the P&A work. If you need any further assistance, or have any questions, please feel free to contact me any time at 504-873-9677.

Sincerely,

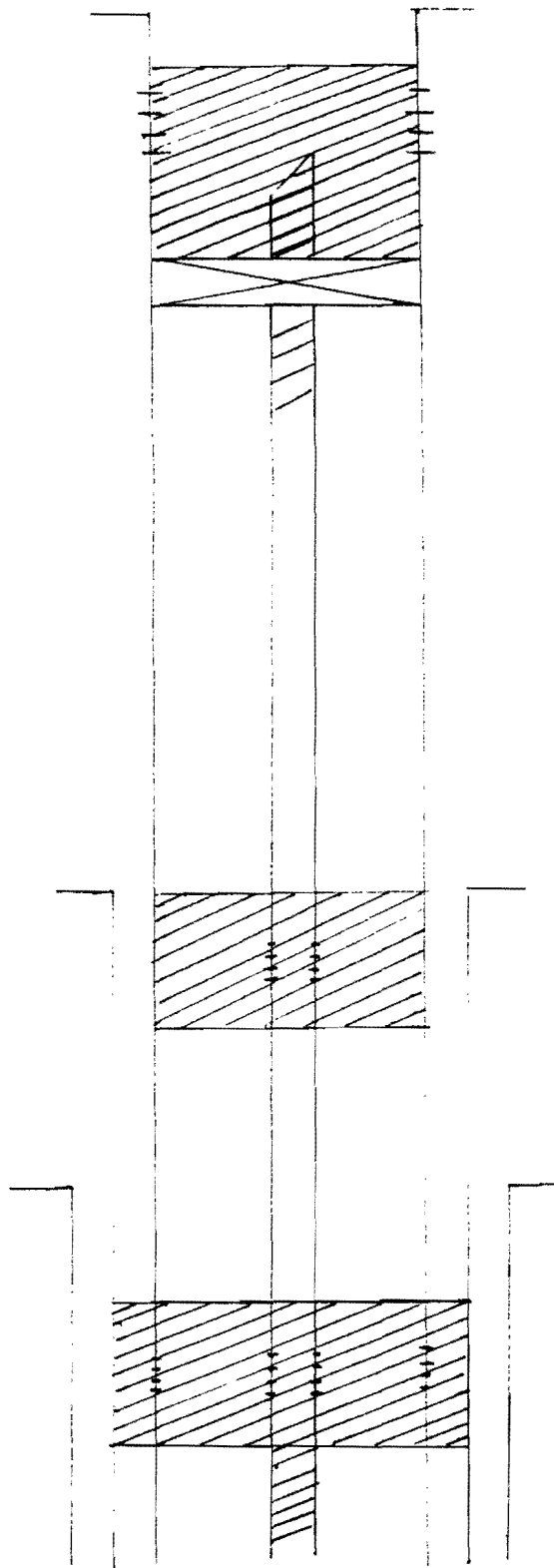
Kerry J. Robertson
GALAXY WIRELINE, INC.

KR:mb

GALAXY'S NORMAL INLAND WATER P&A PROCEDURE

- 1) Move on location.
- 2) Check well for pressure or flow.
- 3) If pressure or flow is present, kill well & circulate clean. Catch all returns in oil barge.
- 4) If pressure or flow is not present, establish an injection rate into production perforation & formation.
- 5) Cement production perforations and spot all other cement plugs in accordance to state requirements.
- 6) Pull tree and blow all casings 15' below the mud line.
- 7) Pull and cap flow lines.
- 8) Pull all pilings & structures.
- 9) Sweep area for debris.
- 10) Fill out all necessary P & A forms.
- 11) Move off location.

NOTE: ANY DEVIATION FROM THIS PROCEDURE MUST BE ACQUIRED FROM THE COMPANY TO WHOM THE WELL BELONGS.



Appendix E - Operator's List

Estate of William G. Helis
Witney Bank
Suite 912
228 St. Charles Ave.
New Orleans, Louisiana 70130
(504) 523-1831

Mobil Oil Corporation
1250 Poydras
New Orleans, Louisiana 70113
(504) 566-5200

Rosewood Corporation
100 Crescent Court, Suite 1700
Dallas, Texas 75201
(214) 871-8400

Unity Hunt Resources
1962 Thanksgiving Tower
Dallas, Texas 75201
(214) 720-1600

Chevron U.S.A. Incorporated
Attention: Robert J. Kinler
935 Gravier St.
New Orleans, Louisiana 70112
(504) 592-6763

Enron Oil and Gas Company
Attention: Steve Cranford
P.O. Box 1188, Room 1908
Houston, Texas 77251-1188
(713) 853-5935

CNG Producing Company
1 Canal Place, Suite 3100
New Orleans, Louisiana 70130
(504) 523-5581

Davis Petroleum Corporation
Attention: F.R. Lauson
Energy center, Suite 1050
1100 Poydras Street
New Orleans, Louisiana 70163
(504) 581-4454

Occidental Petroleum Corporation
10889 Wilshire Boulevard
Los Angeles, California 90024
(213) 879-1700

