



WATER-RIGHT DOCKET

Guadalupe Mountains National Park

Docket No: 4

MCKITNICK CANYON WELL

State Water Rights Documentation

00-00-0000: well record: license no. n. m. wd-655

Revised June 1972

STATE ENGINEER OFFICE WELL RECORD

Section 1. GENERAL INFORMATION

(A) Owner of well U.S. Government Owner's Well No. _____
Street or Post Office Address Guadalupe Mountains National Park
City and State Texas

Well was drilled under Permit No. _____ and is located in the: Mouth of McKittrick Canyon (Wildcat)

a. _____ ¼ _____ ¼ _____ ¼ of Section _____ Township _____ Range _____ N.M.P.M.

b. Tract No. _____ of Map No. _____ of the _____

c. Lot No. _____ of Block No. _____ of the _____
Subdivision, recorded in _____ County.

d. X= _____ feet, Y= _____ feet, N.M. Coordinate System _____ Zone in the _____ Grant.

(B) Drilling Contractor Bill Taylor License No. N.M. WD-655
Address 205 N. Third Carlsbad, N.M. 88220

Drilling Began 5/3/1976 Completed 5/24/1976 Type tools Cable Size of hole 11" & 8" in.
Elevation of land surface or _____ at well is _____ ft. Total depth of well 76½ ft.
Completed well is ☐ shallow ☐ artesian. Depth to water upon completion of well 57½ ft.

Section 2. PRINCIPAL WATER-BEARING STRATA

Depth in Feet		Thickness in Feet	Description of Water-Bearing Formation	Estimated Yield (gallons per minute)
From	To			
60½	76½	16	Lime cobblestone & boulders	8--10

Section 3. RECORD OF CASING

Diameter (inches)	Pounds per foot	Threads per in.	Depth in Feet		Length (feet)	Type of Shoe	Perforations	
			Top	Bottom			From	To
10		Welded	0	17½	19(1½' above surface)			
8		Welded	0	71½	73½(2' above surface)		52½	71½

Section 4. RECORD OF MUDDING AND CEMENTING

Depth in Feet		Hole Diameter	Sacks of Mud	Cubic Feet of Cement	Method of Placement
From	To				

Section 5. PLUGGING RECORD

Plugging Contractor _____
Address _____
Plugging Method _____
Date Well Plugged _____
Plugging approved by: _____
State Engineer Representative _____

No.	Depth in Feet		Cubic Feet of Cement
	Top	Bottom	
1			
2			
3			
4			

FOR USE OF STATE ENGINEER ONLY

Date Received _____ Quad _____ FWL _____ FSL _____
File No. _____ Use _____ Location No. _____

Other Supporting Information

STATEMENTBILL (& H) TAYLOR DRILLING205 N. 3rd Carlsbad, N.M. 88220505-885-9507June 2 1976To U.S. Dept. of the InteriorNational Park ServiceMcKittrick Canyon (Wildcat) Water Well

TERMS: Cash

5/3/76	Move & Set Up	10½ hrs.	\$367.50
5/4--5/8	45 ft. of 10"+ hole		495.00
5/19	Drilling on 6" hole	6 hrs.	210.00
5/20	Drilling on 6" hole	6½ hrs.	227.50
5/21	Reaming for 8" casing, Drilling, & Driving Casing	10 hrs.	350.00
5/22	Drilling, & Driving Case.	8½ hrs	297.50
5/23	Drilling, Baleing, & Testing	2½ hrs	87.50
	Breakdown & Partial Move	4 hrs.	140.00
6/1	Moving Rig	5 hrs.	175.00
	11 Days Water-haul		550.00
	Preforate Casing		50.00
			\$ 2950.00

EFFICIENCY LINE NO. 1254 AN AMPAD PRODUCT

Yield = 25 GPM and Developing

DAILY DRILLING REPORT

McKittick Canyon Wildcat Well

#1 of 4

Date

19

COMPANY			LEASE			WELL NO.		
May 3, '76 Tour 1 - Morning Tour Mon.			May 4, '76 Tour 2 - Day Tour Tues.			May 5, '76 Tour 3 - Evening Tour Wed.		
From	To		From	To		From	To	
7:15 am	12:30 pm	Moving to site	8:15	6:15		8:30	3:30	
12:30	1:00 pm	Lunch	0	15'	Boulders + loose cobblestones.			No hole - hole caving as much as drilled.
1:00	6:15	Set up Rig						
BITS RUN			BITS RUN			BITS RUN		
Size	Hrs. Run	Ft. Made	Size	Hrs. Run	Ft. Made	Size	Hrs. Run	Ft. Made
	Set up + Move in		10"	10	15	9"	7	0'
	10 1/2 hrs.							
Hrs. Lost			Hrs. Lost			Hrs. Lost		
REMARKS			REMARKS			REMARKS		
10 1/2 hrs. moving and setting up @ \$35 per hr.			Drilled to 17' but lost hole back to 11'. Set 10" casing and drilled to 13'. Unable to make further progress - bit hanging casing. Rain began at 6:00 p.m.			Changed stems & bits (to 9") Pulled casing to put 10" sch. 80 on bottom (10" I.D. x 10 3/4" O.D.) Drilled 1 1/2 hours and made possibly two feet. Raining too hard to weld another section pipe on casing. (Phoned Bob Daugherty late).		
(Given keys to locks (gate) by Bruce Fladmark, 10:30 a.m.)			(Saw Bruce Fladmark when leaving.) (Phoned Bob Daugherty of slow progress)					
NAMES			NAMES			NAMES		
Bill Taylor	Driller		Bill Taylor	Driller		Bill Taylor	Driller	
	T. D.			T. D.			T. D.	

DAILY DRILLING REPORT

McK. Trick Canyon Wildcat Well.

2 of 4

COMPANY			LEASE			WELL NO.		
May 6, 76 Tour 4 - Morning Tour Thur.			May 7, 76 Tour 25 - Day Tour Fri.			May 8, 76 Tour 26 - Evening Tour Sat.		
From	To		From	To		From	To	
11'	33'	9" hole, cobblestone (tightly held, no caving after 19')	28'	33'	(Reamed) & redrilled to 10"	35'	45'	(Lamar formation?) Cemented conglomerate Limestone (Denton? Red-Talus?) (2' to 3' to 4')
			33'	35'	Cemented conglomerate (Lamar formation?)	37'		
BITS RUN			BITS RUN			BITS RUN		
Size	Hrs. Run	Ft. Made	Size	Hrs. Run	Ft. Made	Size	Hrs. Run	Ft. Made
9"		18' (+ 4')	10		2	10		10
Hrs. Lost			Hrs. Lost			Hrs. Lost		
REMARKS			REMARKS			REMARKS		
Drove 10" casing to 17'. Cobble- stones catching AND finally stopped. Cobblestones wedging pipe askew. Switched stones to small stem and 8" bit. Made hole with only minor fall-in.			Tried pulling casing - won't budge. Trimmed 10" bit to get into sch. 80, 10" pipe. Reamed hole to 10" after switching back to big hole stem. Had to start drilling at 28' after reaming filled in 9" hole.			Short day - Sat. eve. at town (8:00am. - 2pm.) Reported drunk to Bob Daugherty		
(Phoned Bob Daugherty of casing.)			Switched back to 9" bit late to make progress in conglomerate Phoned Bob Daugherty.					
NAMES			NAMES			NAMES		
Riel Taylor Driller			Riel Taylor Driller			Riel Taylor Driller		
T. D.			T. D.			T. D.		

DAILY DRILLING REPORT

McKitterick Canyon Wildcat well

#4 of 4

Date 19

COMPANY			LEASE			WELL NO.		
May 23, 76 Tour 10 Morning Tour Sat.			May 24, 76 Tour 11 Day Tour Mon.			June 1, 76 Tour 12 Evening Tour Tues.		
From	To		From	To		From	To	
68'	75'	Cobblestones Boulders turning into tight formation (Limestone) at 70.5' (Hard-Dolomite?)	75'	76.5'	Tight Limestone with Cobblestone embedded (Hard-Dolomite?)	8:00 a.m.	1:15 p.m.	Moving Rig back to yard.
BITS RUN			BITS RUN			BITS RUN		
Size	Hrs. Run	Ft. Made	Size	Hrs. Run	Ft. Made	Size	Hrs. Run	Ft. Made
6" +	8.5 (8 a.m. - 4:30 p.m.)	7'	6" +	11:30 a.m. - 2:00 p.m.	14' drilling Baled + tested.			
				2:00 - 6:00 p.m.	Moving + Breaking Down.			
Hrs. Lost	8 1/2 hrs.		Hrs. Lost	6 1/2 hrs.		Hrs. Lost		
REMARKS			REMARKS			REMARKS		
Ran out of casing at 11 a.m. + Test bailed hole at 72.5' yielding approx. 8-10 gal. per min. Lost all drilling mud from hole to test.			Baled, then drilled awaiting Park Employee to witness depth, water yield, water levels etc. 11:30 a.m. - 2:00 p.m. static level 54.5', 8-10 gal. per min. with down pump to 65'-66', Recovery 14" per min. above 65'.			Retested water depth of well: 57'-8" from ground surface, holding static.		
New casing arrived 11:45 a.m. Had trouble remaining mud to drilling consistency to make hole (water flow?).			Phone conversation with Mr. Berg Moore. Desires to terminate drilling as water seems sufficient for needs.			No rain in mountains in approx. two weeks.		
Driving casing from 60' on. Easy driving until 70.5' level, then harder as formation tightens - 71.5' casing.			Broke rig down and began trucking tools, etc. out. Rig tomorrow.			Ruined one tire on rig and another on tractor coming out.		
NAMES			NAMES			NAMES		
Bill Taylor Driller			Bill Taylor Driller			Bill Taylor Driller		
T. D.			T. D.			T. D.		
Phoned Bob Daugherty late p.m.			Park Employee Ernie Sanders witnessed tests.					

Bryan Printers & Stationers - Artesia, N. M.
on slow progress, etc.

Docket Information

Number of Documents in Docket 8

Documents Dated from 5/15/1976 to 6/2/1976

Docket Compiled: 4/7/2011