



LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las Cruces, N.M.

SERIAL NUMBER 065161  
LEASE OR PERMIT TO PROSPECT

JUN 13 8 55 AM '66  
UNITED STATES

DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The Devonian Company Address P. O. Box 1379  
Lessor or Tract J. Brown Field Wildcat State New Mexico  
Well No. 1 Sec. 19 T. 9-S. R. 38-3 Meridian NMPM County Lea  
Location 660 ft. {N.} of N. Line and 585 ft. {E.} of W. Line of Section 19 Elevation 3975  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed J. M. Cheftice  
Title Engineer

Date 10-16-51

The summary on this page is for the condition of the well at above date.

Commenced drilling December 14, 1946 Finished drilling January 1, 1947

OIL OR GAS SANDS OR ZONES  
(Denote gas by G)

No. 1, from 4945 to 5011 No. 4, from to  
No. 2, from to No. 5, from to  
No. 3, from to No. 6, from to

IMPORTANT WATER SANDS

No. 1, from None to No. 3, from to  
No. 2, from to No. 4, from to

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	
13-3/8	36	8rd	Ameco	323'14"					
7	24	8rd	Nat'l	750'02"					
7	24	8rd	Nat'l	420'14"					
2	4.7	8rd	Nat'l	503'11"					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	330'3" DF	275	Halliburton	11.2	None
7	4925'3" DF	300	"	11.2	None

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set  
Adapters—Material Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 4952 feet, and from feet to feet  
Cable tools were used from feet to feet, and from feet to feet

DATES

Put to producing, 19  
The production for the first 24 hours was barrels of fluid of which % was oil; %  
emulsion; % water; and % sediment. Gravity, °Bé.  
If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas  
Rock pressure, lbs. per sq. in.

EMPLOYEES

, Driller Milhoan Drilling Company Driller  
, Driller, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	230	230	Caliche & Sand
230	271	41	Blue Shale
271	285	14	Sand
285	415	130	Blue Shale
415	476	61	Red Rock
476	2035	1559	Red Rock & Shale
2035	2220	185	Sand, Red Rock, Shells
2220	2400	180	Anhydrite
2400	2479	79	Anhydrite, salt, shale
2479	2750	271	Anhydrite, salt, shells
2750	3157	407	Anhydrite, red rock
3157	3350	193	Anhydrite, Shells, red rock
3350	4239	889	Anhydrite
4239	4260	21	Anhydrite, lime
4260	4322	62	Lime
4322	4525	203	Anhydrite, lime
4525	4932	407	lime
4932	4945	13	lime
4945	4952	7	lime
4952	4963	11	lime
4963	4976	13	lime
4976	4984	8	lime
4984	4995	11	lime
4995	5011	16	lime
5011	5013	2	

FROM

TO

TOTAL FEET

FORMATION

(OVER)

FORMATION RECORD—CONTINUED



12-10-46

Plan to drill water well and run 7" OD casing to bottom, perf. opposite water sand

12-11-46

Formation of Water well

Sand	0-196
Blue Shale	196-256
Sand & gravel	256-285 - Water sand (3 gal./min)
Red Rock	285-287 - TD

water well was cased w/ 7" OD casing to 287'. Perforated 22'9" on bottom. Well was left for land owner

12-15-46

13-3/8", 36# Armco casing set at 320' DF. Cemented w/ 275 sx of Trinity Hi Early Cement. Cement was circulated. Pipe was cemented at 10 AM 12-15-46. Will be tested at 10 AM 12-17-46. Permission to start drilling at end of 48 hrs. was granted by Mr. Barnett.

12-18-46

Tested 13-3/8" surface csg. w/ 500# for 30 mins. Tested OK. Test was made from 2:40 PM to 3:10 PM Tuesday 12-17-46.

12-30-46

This well is running approximately the same as the nearest well 3 miles SW. We are requesting a change in plan of drilling in. Instead of running 7" OD csg. we will drill the well in b. coring, have the cores analyzed, and run Schlumberger, submitting a comp. report to the U.S.G.S. office at Roswell. If the reports indicate that we have a well, 7" OD csg. will be run and cemented w/ enough cement to bring it to the base of the sale. Present depth is 4850' at 4 PM 12-29-46. 7" csg. will be set at, or near, the top of the pay section.

1-6-47

7" OD csg. set at 4926' and cemented w/ 300 sx Monarch Common Cement at 7 AM 1-6-47. Will test csg. at 5 AM 1-9-47 and start drlg. plug 7 AM 1-9-47.

1-6-47

Plan to acidize well w/ 12,500 gal. acid in 2 stages starting 1-12-47

1-14-47

7" OD casing was tested for 30 min. at 1000# 1-9-47. Tested OK.

1-11-47

Swabbing nat. test, no free oil, 10,000 cu. ft. gas

1-12-47

washed formation w/ 150 gal. acid. Let set 30 mins. and rev. out. Acidized w/ 1350 gal. acid. Press. on csg. 1900#. Swabbed out oil load and acid. Gas 20,000 cu.ft. No free oil after this shot.

1-14-47

Acidized w/ 4000 gal. Swabbed back oil load and acid. No prod. Slight inc. on gas. Made 25,000 cu. ft.

1-19-47

Acidized w/ 10,000 gal. Swabbed out oil load and acid 1-19-47 to 1-22-47.

1-23-47

Swabbing cutting 6 to 50%. CP 700#. 1-24-47 Swabbing 109 bbls. fluid in 11 hrs. cutting 17%. CP 650#, TP 440#. 1-25-47 - Swabbed and flowed 99 bbls. fluid in 10 hrs. cutting 17%. CP 575#, TP 425#. 1-26-47 swabbed and flowed 78 bbls. in 10 hrs. cutting 17% salt water. 1-27-47 swabbed and flowed 87 bbls. in 10 hrs. cutting 25% salt water. Gas 250,000 cu. ft.

1-28-47

Tearing down and moving off swabbing unit. Unable to give actual amount of pipe line oil at this time. Above figures are gross.

2-4-47

Our notice of intention to drill dated 11-25-46, proposed to cement the 7" casing at about 4835' w/ 75 sx cement and then perf. and squeeze the necessary amount of cement behind the pipe to protect the sale section, amt. and depths of such squeeze job to be worked out with your office. The 7" casing was cemented at 4926' w/ 300 sx cement and tested OK. Top of salt section was encountered at 2370' and base of salt section at 2960'. We now propose to delay the cement squeeze job at the top of the salt until some time within 60 days after placing the well on the pump. Depth of cementing & amt. of cement to be used will be discussed w/ your office before commencing the work.

2-14-47

Well flowed 147.66 bbls cutting 14% on 12/64 choke for 24 hr potential starting 11 AM 2-12-47 and ending 11 AM 2-13-47. Net oil 126.99 bbls.

GOR 643 Cu. Ft/bbl. Opening casing press. 1250#, closing csg. press 775#. Opening tbg press. 1250#.

10-18-49

This is notice of intention to perf. and squeeze in the anhydrite section above the salt. 7" casing to be perf. from 2322-2324 using 75 sx common cement, testing and squeezing w/ 50 sx every 8 hrs until cement can no longer be pumped into formation.