

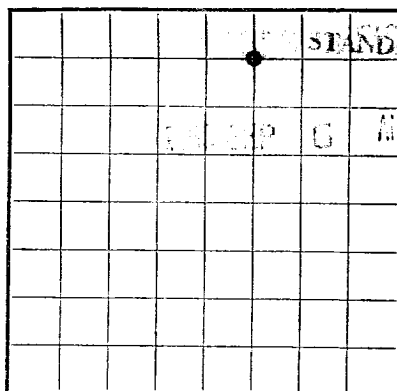
AUG 28 1960

Hobbs

U. S. LAND OFFICE Santa Fe, N.M.

SERIAL NUMBER LC 062085

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

RECEIVED
AUG 25 1960
U. S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The Pure Oil Company Address P.O. Box 2532 - Hobbs, New Mexico
Lessor or Tract Federal #7 Field North Shugart Queen
Well No. 2 Sec. 31 T. 18S R. 36E Meridian NMPM County Eddy
Location 660 ft. N. of N. Line and 1980 ft. E. of E. Line of Section 31 Elevation 3559' SCF
(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

Date August 23, 1960

H. C. Teague

Title Dist. Supt.

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

Commenced drilling June 9, 1960 Finished drilling July 18, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2597' to 2608' No. 4, from 3596' to 3620'
No. 2, from 3132' to 3200' No. 5, from _____ to _____
No. 3, from 3308' to 3324' 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—	
8-5/8"	21.5	8 RT	Wahl	830'	Larkin Guide Shoe				
5-1/2"	11.5	8 RT	Wahl	3654'	Larkin Guide Shoe		3596'	3603'	w/ 28 shots
							3611'	3619'	w/ 32 shots
NOTE: Fraced thru perforations with 20,000 Gallons Refined Oil and 60,000# Sand.									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	830'	150	Pump & Plug		
5-1/2"	3654'	320	Pump & Plug		

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 _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from Surface feet to 3656 feet, and from _____ feet to _____ feet

DATES

August 23, 1960 Put to producing August 8, 1960

The production for the first 24 hours was 124 barrels of fluid of which 53 % was oil; _____ % emulsion; 47 % water; and _____ % sediment. Gravity, °Bé. 32.0 Deg. @ 60 Deg.

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

L. M. Petterson, Driller E. H. Powell, Driller
Alfred Dooley, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	7	7	Sand
7	20	13	Caliche
20	95	75	Sand
95	105	10	Redbeds
105	110	5	Sand
110	190	80	Sand, Shale, Anhydrite & Shells
190	275	85	Shale
275	325	50	Sand & Shale
325	445	120	Shale
445	500	55	Shale & Anhydrite
500	520	20	Shale
520	540	20	Anhydrite
540	560	20	Redbeds
560	580	20	Anhydrite
580	600	20	Anhydrite & Gypsum
600	715	115	Anhydrite
715	770	55	Shale
770	785	15	Salt
785	810	25	Anhydrite & Gravel
810	825	15	Gravel
825	935	110	Salt
935	1065	130	Salt & Potash
1065	1140	75	Salt
1140	1275	135	Salt & Potash
1275	1350	75	Salt
1350	1465	115	Salt & Potash

(OVER)

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1165	1505	340	Salt
1505	1670	165	Salt & Potash
1670	1874	204	Salt & Potash
1874	2085	211	Artyrite
2085	2107	22	Artyrite & Shale
2107	2150	43	Artyrite
2150	2295	145	Artyrite & Shale
2295	2360	65	Artyrite
2360	2530	170	Artyrite & Shale
2530	2540	10	Polonite
2540	2604	64	Line
2604	2613	9	Oil Sand
2613	2680	67	Polonite
2680	3187	507	Line
3187	3205	18	Sand
3205	3590	385	Line
3590	3604	14	Sand
3604	3608	4	Line
3608	3618	10	Oil Sand
3618	3630	12	Line
3630	3648	18	Polonite
3648	3656	8	Line
3656	3656	4	
Geological Notes:			
512' Austler Anhydrite			
2094' Lates			
2520' Seven Rivers			
3176' Penns			
3413' Penns			
3621' Albany			

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Deviation tests were taken at various intervals between 500' and total depth. At no time did hole deviate over 1-1/2 degrees.

This well was not cored and no drill stem tests were taken.

HISTORY OF OIL OR GAS WELL

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