

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 030143
LEASE OR PERMIT TO PROSPECT PermitUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
RECEIVED
JUL 17, 1936
ROSWELL, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Continental Oil Company Address Hobbs, New Mexico
Lessor or Tract J. L. Reed A-3 Field Monument State New Mexico
Well No. 2 Sec. 3 T20-S R. 36-E Meridian N.M.P.M. County Lea
Location 1980 ft. S. of N. Line and 660 ft. W. of E. Line of Sec 3 Elevation 3619 LS
(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 /s/ H. L. JohnstonDate July 7, 1936Title Dist. Superintendent

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

Commenced drilling May 20, 1936, 19... Finished drilling June 27, 1936, 19...

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3815 to 3930 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 _____ 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—	
10-3/4" OD 40.50 SHLW			243'9"	set at	263' W/200 Sacks Cement				
7-5/8" OD 26.40 SMLS			1215'6"	set at	1221' W/400 Sacks Cement				
5-1/2" OD 17 SMLS			3828'5"	set at	3812' W/400 Sacks Cement				
2-1/2" EUSSE Tubing 3064'7"			Set at 3921'						

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	263'	W/200 Sacks	Halliburton		
7-5/8"	1221'	W/400 Sacks	Halliburton		
5-1/2"	3821'	W/400 Sacks	Halliburton		
2-1/2"	3921'		Halliburton		

PLUGS AND ADAPTERS

Heaving plug Material _____ Length _____ Depth set _____
Adapter Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
3 3/8"	SUC M&T	100 lbs. SUC	100	July 1, 1936	3812'	3812'
2 1/2"	SUC M&T	100 lbs. SUC	100	July 1, 1936	3921'	3921'

TOOLS USED

Rotary tools were used from 0 feet to 3930 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
July 7, 1936, 19...

DATES

Put to producing July 1, 1936, 19...The production for the first 24 hours was 1320 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 33If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

R. B. Doyle _____, Driller
J. M. Boice _____, Driller
Tex. Parker _____, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
3815	3821	6	Shale
3821	3828	7	Shale
3828	3830	2	Shale
3830	3832	2	Shale
3832	3834	2	Shale
3834	3836	2	Shale
3836	3838	2	Shale
3838	3840	2	Shale
3840	3842	2	Shale
3842	3844	2	Shale
3844	3846	2	Shale
3846	3848	2	Shale
3848	3850	2	Shale
3850	3852	2	Shale
3852	3854	2	Shale
3854	3856	2	Shale
3856	3858	2	Shale
3858	3860	2	Shale
3860	3862	2	Shale
3862	3864	2	Shale
3864	3866	2	Shale
3866	3868	2	Shale
3868	3870	2	Shale
3870	3872	2	Shale
3872	3874	2	Shale
3874	3876	2	Shale
3876	3878	2	Shale
3878	3880	2	Shale
3880	3882	2	Shale
3882	3884	2	Shale
3884	3886	2	Shale
3886	3888	2	Shale
3888	3890	2	Shale
3890	3892	2	Shale
3892	3894	2	Shale
3894	3896	2	Shale
3896	3898	2	Shale
3898	3900	2	Shale
3900	3902	2	Shale
3902	3904	2	Shale
3904	3906	2	Shale
3906	3908	2	Shale
3908	3910	2	Shale
3910	3912	2	Shale
3912	3914	2	Shale
3914	3916	2	Shale
3916	3918	2	Shale
3918	3920	2	Shale
3920	3922	2	Shale
3922	3924	2	Shale
3924	3926	2	Shale
3926	3928	2	Shale
3928	3930	2	Shale

[OVER]

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
0	43	43	Sand
254	254	254	Redbed
262	486	486	Red bed and shells
486	716	716	Redbed and shells
716	905	905	Red Rock
905	1032	1032	Red berk and Gyp
1032	1110	1110	Red Rock and Shells
1110	1180	1180	Red Rock
1180	1190	1190	Anhydrite
1190	1226	1226	Anhydrite
1226	1260	1260	Anhydrite
1260	1298	1298	Anhydrite and Salt
1298	1400	1400	Salt and shells
1400	1440	1440	Salt and Anhydrite
1440	1480	1480	Salt
1480	1520	1520	Sand and Anhydrite
1520	1560	1560	Sand
1560	1600	1600	Salt and Anhydrite
1600	1640	1640	Sand and Anhydrite
1640	1680	1680	Salt
1680	1720	1720	Sand and Anhydrite
1720	1760	1760	Sand and Anhydrite
1760	1800	1800	Salt and Anhydrite
1800	1840	1840	Sand and Anhydrite
1840	1880	1880	Salt and Anhydrite
1880	1920	1920	Sand and Anhydrite
1920	1960	1960	Salt and Anhydrite
1960	2000	2000	Sand and Anhydrite
2000	2040	2040	Salt and Anhydrite
2040	2080	2080	Sand and Anhydrite
2080	2120	2120	Salt and Anhydrite
2120	2160	2160	Sand and Anhydrite
2160	2200	2200	Salt and Anhydrite
2200	2240	2240	Sand and Anhydrite
2240	2280	2280	Salt and Anhydrite
2280	2320	2320	Sand and Anhydrite
2320	2360	2360	Salt and Anhydrite
2360	2400	2400	Sand and Anhydrite
2400	2440	2440	Salt and Anhydrite
2440	2480	2480	Sand and Anhydrite
2480	2520	2520	Salt and Anhydrite
2520	2560	2560	Sand and Anhydrite
2560	2600	2600	Salt and Anhydrite
2600	2640	2640	Sand and Anhydrite
2640	2680	2680	Salt and Anhydrite
2680	2720	2720	Sand and Anhydrite
2720	2760	2760	Salt and Anhydrite
2760	2800	2800	Sand and Anhydrite
2800	2840	2840	Salt and Anhydrite
2840	2880	2880	Sand and Anhydrite
2880	2920	2920	Salt and Anhydrite
2920	2960	2960	Sand and Anhydrite
2960	3000	3000	Salt and Anhydrite
3000	3040	3040	Sand and Anhydrite
3040	3080	3080	Salt and Anhydrite
3080	3120	3120	Sand and Anhydrite
3120	3160	3160	Salt and Anhydrite
3160	3200	3200	Sand and Anhydrite
3200	3240	3240	Salt and Anhydrite
3240	3280	3280	Sand and Anhydrite
3280	3320	3320	Salt and Anhydrite
3320	3360	3360	Sand and Anhydrite
3360	3400	3400	Salt and Anhydrite
3400	3440	3440	Sand and Anhydrite
3440	3480	3480	Salt and Anhydrite
3480	3520	3520	Sand and Anhydrite
3520	3560	3560	Salt and Anhydrite
3560	3600	3600	Sand and Anhydrite
3600	3640	3640	Salt and Anhydrite
3640	3680	3680	Sand and Anhydrite
3680	3720	3720	Salt and Anhydrite
3720	3760	3760	Sand and Anhydrite
3760	3800	3800	Salt and Anhydrite
3800	3840	3840	Sand and Anhydrite
3840	3880	3880	Salt and Anhydrite
3880	3920	3920	Sand and Anhydrite
3920	3960	3960	Salt and Anhydrite
3960	4000	4000	Sand and Anhydrite
4000	4040	4040	Salt and Anhydrite
4040	4080	4080	Sand and Anhydrite
4080	4120	4120	Salt and Anhydrite
4120	4160	4160	Sand and Anhydrite
4160	4200	4200	Salt and Anhydrite
4200	4240	4240	Sand and Anhydrite
4240	4280	4280	Salt and Anhydrite
4280	4320	4320	Sand and Anhydrite
4320	4360	4360	Salt and Anhydrite
4360	4400	4400	Sand and Anhydrite
4400	4440	4440	Salt and Anhydrite
4440	4480	4480	Sand and Anhydrite
4480	4520	4520	Salt and Anhydrite
4520	4560	4560	Sand and Anhydrite
4560	4600	4600	Salt and Anhydrite
4600	4640	4640	Sand and Anhydrite
4640	4680	4680	Salt and Anhydrite
4680	4720	4720	Sand and Anhydrite
4720	4760	4760	Salt and Anhydrite
4760	4800	4800	Sand and Anhydrite
4800	4840	4840	Salt and Anhydrite
4840	4880	4880	Sand and Anhydrite
4880	4920	4920	Salt and Anhydrite
4920	4960	4960	Sand and Anhydrite
4960	5000	5000	Salt and Anhydrite
5000	5040	5040	Sand and Anhydrite
5040	5080	5080	Salt and Anhydrite
5080	5120	5120	Sand and Anhydrite
5120	5160	5160	Salt and Anhydrite
5160	5200	5200	Sand and Anhydrite
5200	5240	5240	Salt and Anhydrite
5240	5280	5280	Sand and Anhydrite
5280	5320	5320	Salt and Anhydrite
5320	5360	5360	Sand and Anhydrite
5360	5400	5400	Salt and Anhydrite
5400	5440	5440	Sand and Anhydrite
5440	5480	5480	Salt and Anhydrite
5480	5520	5520	Sand and Anhydrite
5520	5560	5560	Salt and Anhydrite
5560	5600	5600	Sand and Anhydrite
5600	5640	5640	Salt and Anhydrite
5640	5680	5680	Sand and Anhydrite
5680	5720	5720	Salt and Anhydrite
5720	5760	5760	Sand and Anhydrite
5760	5800	5800	Salt and Anhydrite
5800	5840	5840	Sand and Anhydrite
5840	5880	5880	Salt and Anhydrite
5880	5920	5920	Sand and Anhydrite
5920	5960	5960	Salt and Anhydrite
5960	6000	6000	Sand and Anhydrite
6000	6040	6040	Salt and Anhydrite
6040	6080	6080	Sand and Anhydrite
6080	6120	6120	Salt and Anhydrite
6120	6160	6160	Sand and Anhydrite
6160	6200	6200	Salt and Anhydrite
6200	6240	6240	Sand and Anhydrite
6240	6280	6280	Salt and Anhydrite
6280	6320	6320	Sand and Anhydrite
6320	6360	6360	Salt and Anhydrite
6360	6400	6400	Sand and Anhydrite
6400	6440	6440	Salt and Anhydrite
6440	6480	6480	Sand and Anhydrite
6480	6520	6520	Salt and Anhydrite
6520	6560	6560	Sand and Anhydrite
6560	6600	6600	Salt and Anhydrite
6600	6640	6640	Sand and Anhydrite
6640	6680	6680	Salt and Anhydrite
6680	6720	6720	Sand and Anhydrite
6720	6760	6760	Salt and Anhydrite
6760	6800	6800	Sand and Anhydrite
6800	6840	6840	Salt and Anhydrite
6840	6880	6880	Sand and Anhydrite
6880	6920	6920	Salt and Anhydrite
6920	6960	6960	Sand and Anhydrite
6960	7000	7000	Salt and Anhydrite
7000	7040	7040	Sand and Anhydrite
7040	7080	7080	Salt and Anhydrite
7080	7120	7120	Sand and Anhydrite
7120	7160	7160	Salt and Anhydrite
7160	7200	7200	Sand and Anhydrite
7200	7240	7240	Salt and Anhydrite
7240	7280	7280	Sand and Anhydrite
7280	7320	7320	Salt and Anhydrite
7320	7360	7360	Sand and Anhydrite
7360	7400	7400	Salt and Anhydrite
7400	7440	7440	Sand and Anhydrite
7440	7480	7480	Salt and Anhydrite
7480	7520	7520	Sand and Anhydrite
7520	7560	7560	Salt and Anhydrite
7560	7600	7600	Sand and Anhydrite
7600	7640	7640	Salt and Anhydrite
7640	7680	7680	Sand and Anhydrite
7680	7720	7720	Salt and Anhydrite
7720	7760	7760	Sand and Anhydrite
7760	7800	7800	Salt and Anhydrite
7800	7840	7840	Sand and Anhydrite
7840	7880	7880	Salt and Anhydrite
7880	7920	7920	Sand and Anhydrite
7920	7960	7960	Salt and Anhydrite
7960	8000	8000	Sand and Anhydrite
8000	8040	8040	Salt and Anhydrite
8040	8080	8080	Sand and Anhydrite
8080	8120	8120	Salt and Anhydrite
8120	8160	8160	Sand and Anhydrite
8160	8200	8200	Salt and Anhydrite
8200	8240	8240	Sand and Anhydrite
8240	8280	8280	Salt and Anhydrite
8280	8320	8320	Sand and Anhydrite
8320	8360	8360	Salt and Anhydrite
8360	8400	8400	Sand and Anhydrite
8400	8440	8440	Salt and Anhydrite
8440	8480	8480	Sand and Anhydrite
8480	8520	8520	Salt and Anhydrite
8520	8560	8560	Sand and Anhydrite
8560	8600	8600	Salt and Anhydrite
8600	8640	8640	Sand and Anhydrite
8640	8680	8680	Salt and Anhydrite
8680	8720	8720	Sand and Anhydrite
8720	8760	8760	Salt and Anhydrite
8760	8800	8800	Sand and Anhydrite
8800	8840	8840	Salt and Anhydrite
8840	8880	8880	Sand and Anhydrite
8880	8920	8920	Salt and Anhydrite
8920	8960	8960	Sand and Anhydrite
8960	9000	9000	Salt and Anhydrite
9000	9040	9040	Sand and Anhydrite
9040	9080	9080	Salt and Anhydrite
9080	9120	9120	Sand and Anhydrite
9120	9160	9160	Salt and Anhydrite
9160	9200	9200	Sand and Anhydrite
9200	9240	9240	Salt and Anhydrite
9240	9280	9280	Sand and Anhydrite
9280	9320	9320	Salt and Anhydrite
9320	9360	9360	Sand and Anhydrite
9360	9400	9400	Salt and Anhydrite
9400	9440	9440	Sand and Anhydrite
9440	9480	9480	Salt and Anhydrite
9480	9520	9520	Sand and Anhydrite
9520	9560	9560	Salt and Anhydrite
9560	9600	9600	Sand and Anhydrite
9600	9640	9640	Salt and Anhydrite
9640	9680	9680	Sand and Anhydrite
9680	9720	9720	Salt and Anhydrite
9720	9760	9760	Sand and Anhydrite
9760	9800	9800	Salt and Anhydrite
9800	9840	9840	Sand and Anhydrite
9840	9880	9880	Salt and Anhydrite
9880	9920	9920	Sand and Anhydrite
9920	9960	9960	Salt and Anhydrite
9960	10000	10000	Sand and Anhydrite

HISTORY OF OIL OR GAS WELL
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 "pickered" or left in the well, give its size and location. If the well has been dynamited, give date, size, 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. If plugs of bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Reed A-3 #2 was completed June 27, 1936. Total Depth 3930' 13 joints mud, open 15 minutes
Drill stem test 3785'-3840' showed 1330 MCF gas no oil. 5-1/2" casing net acidized with 3000 gallons oil, testing after acid 55 bbls. oil per hour and 9,000 MCF gas
Flowing thru two inch opening. In order to reduce gas oil ratio pull tubing and re-run same, setting tubing on bottom and setting packer at 3840'.
Test after setting packer 77 bbls. oil flowing thru 16/64" choke on 2-1/2" tubing, gas estimated 1000 MCF. Gravity of oil 32.9.
Texas pipe line connecting to run allowable estimated at 97 bbls. oil daily effective 7-1-36.

FORMATION TOPS
Anhydrite 3890'
Salt Base 2480'
Salt Top 2800'
Brown Lime 3915-3930'
pay

THIS MEASUREMENT TAKEN FROM DERRICK FLOOR WHICH IS 10' ABOVE GROUND LEVEL.
Time (Total Depth)
3930
3860
3853
3843
3813
3785
3771
3752
3740
3740
3607
3586
3508
3468
3415
3395
3326
3290
2977
2906
2890
2770
2678
2516
2430
2387
2240
2215
2140
1998
1260
1226
1190
1180
1110
1032
905
716
486
262
254
43