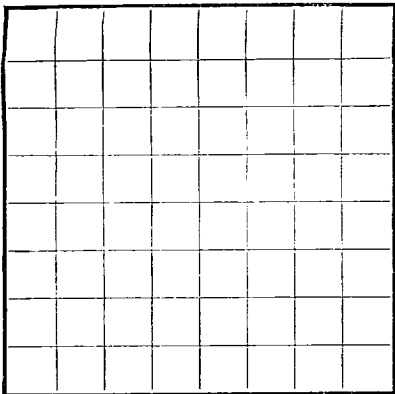


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 930187-A
LEASE OR PERMIT TO PROSPECT Lease



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Continental Oil Company Address Box 66 - Hobbs, New Mexico
Lessor or Tract McCallister A-24 Field Jal State New Mexico
Well No. 2 Sec. 24 T. 26S R. 36E Meridian N.M.P.M. County Lea
Location 320 ft. [N.] of N. Line and 990 ft. [E.] of E. Line of Sec. 24 Elevation 2935.83
(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. D. Hurley

Date 10-20-33 Title Dist. Supt.

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

Commenced drilling August 6, 1933 Finished drilling October 18, 1933

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

No. 1, from 3045 to 3065 G No. 4, from _____ to _____
No. 2, from 3200 to 3204 No. 5, from _____ to _____
No. 3, from 3230 to 3236 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 165 to 170 No. 3, from 1327 to 1310
No. 2, from 415 to 425 No. 4, from 1330 to 1340

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
15 1/2"	70	8	Nat'l	246' 11"	TP	Cemented with 40 sacks			
13 3/8"	54	8	Nat'l	712' 4"	TP	712' 4"			
10"	40	8	LW	133A' 8"	TP	772' 8"			
8 1/4"	32	8	LW	1537' 8"	TP	Cemented with 100 sacks			
7" OD	24	10	Om	3085' 4"	TP	Cemented with 100 sacks			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
15 1/2"	247'	40	Halliburton		
10"	1316'	100	Halliburton	Circulated with 12 lb. mud before cementing.	
8 1/2"	1525'	100	Halliburton		
7"	32076'	100	Halliburton		

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 0 feet to 3238 feet, and from _____ feet to _____ feet

DATES

Put to producing October 16, 1933

The production for the first 24 hours was 584 barrels of fluid of which 100% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. 30

If gas well, cu. ft. per 24 hours No test Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Loyd Gilson, Driller _____, Driller
Merl Kerehaval, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	18		Cellar
18	30		Caliche
30	165		Red sand 10 bailer water P.H. at 145'.
165	170		Water sand - hole full of fresh water.
170	200		Gyp
200	305		Redrock - set 15 1/2" casing at 247'; cemented with 40 sacks.
305	340		Shale
340	370		Lime - 5 bailers, water 345' to 365'.
370	375		Sand
375	415		Redrock
415	425		Sandy lime - hole full of water.
425	565		Slate and sandy lime
565	638		Redrock
638	642		Lime
642	740		Redrock - set 13 3/8" casing at 724'. Mudded same with 18 lb. mud.
740	750		Sandy lime
750	1163		Redrock - 1 bailer, water at 1105.
1163	1307		Anhydrite
1307	1310		Redsand - hole full of water.
1310	1345		Anhydrite - set 10" casing at 1316'; cemented with 100 sacks; picked up hole full of water at 1330-1340'.

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1345	1710	1580	Bedrock
1580	1590	1590	Salt - set 8" casing at 1525'; cemented with 100 sacks; pulled 772' of 10" casing.
1590	2455	2455	Anydrite
2455	2585	2585	Salt
2585	2630	2630	Anydrite
2630	2775	2775	Salt
2775	2820	2820	Salt and anydrite
2820	2830	2830	Anydrite
2830	2830	2830	Broken lime
2830	3045	3045	Hard lime
3045	3065	3065	Brown sand and lime - show of oil & gas.
3065	3170	3170	Lime - set 7" casing at 3176'; cemented with 100 sacks of cement.
3170	3170	3170	Lime, shells, and slate
3170	3200	3200	Hard lime
3200	3204	3204	Little show of oil and gas.
3204	3215	3215	Lime
3215	3225	3225	Brown lime - 75' oil in hole.
3225	3230	3230	Hard lime
3230	3236	3236	Soft lime - hole filled with oil, flowing by heads; flowed 228 bbls. in 12 hours
			burn casing, by heads; very little gas; no test made.

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 "sidetracked" 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.

Well completed by running 2 1/2" external upset seamless tubing, landing same 6' off bottom at 3230'. Well connected up and will be produced at rate of 75 bbls. per day flowing thru tubing under choke. Humble Pipe Line Co. connected to lease and will purchase 75 bbls. per day at posted price for Lea County, New Mexico.