

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 068848
LEASE OR PERMIT TO PROSPECT L

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NEW WELL COMPLETION

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Continental Oil Company Address Box 68, Eunice, New Mexico
Lessor or Tract Marshall Field Cruz Delaware State New Mexico
Well No. 4 Sec. 19 T. 23 R. 33 Meridian NMPM County Lea
Location 1980 ft. N. of S. Line and 625 ft. E. of N. Line of Sec. 19 Elevation 3714' KB

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. K. [illegible]

Date 1-12-62 Title District Superintendent

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

Commenced drilling 12-26-61, 1961 Finished drilling 1-5-62, 1962

OIL OR GAS SANDS OR ZONES

(Denote ggs by $\mathcal{G}$)

No. 1, from 5088 to 5090 No. 4, from _____ to _____
 No. 2, from 5095 to 5098 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—	
7 5/8"	24#	8	H-40	358	Guide				
4 1/2"	9.5#	8	1-35	526	Flare		5088	5098	Oil

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7-5/8"	367	200	Pump & Plug		
4-1/2"	5230	200	Pump & Plug		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material	Size
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SHOOTING RECORD

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

TOOLS USED

Rotary tools were used from 0 feet to TD feet, and from _____ feet to _____ feet

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

DATES

Put to producing January 9, 1962

The production for the first 24 hours was 175 barrels of fluid of which 90 % was oil; % emulsion; 10 % water; and % sediment. Gravity, °Bé. 1.2

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

C. P. Stewart, Driller

_____, Driller

FORMATION RECORD

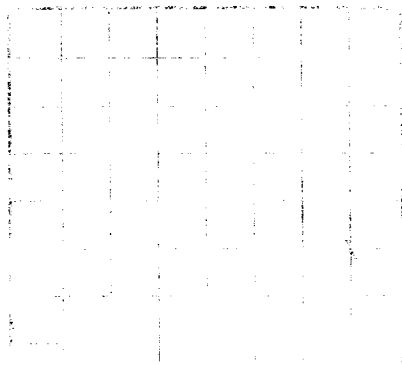
FROM—	TO—	TOTAL FEET	FORMATION
0	1363		Red Beds
1363	1600		Salt & Anhydrite
1600	2210		Anhydrite & Salt
2210	2700		Salt & Anhydrite
2700	3616		Anhydrite & Salt
3616	4140		Anhydrite
4140	4252		Salt
4352	4470		Anhydrite
4470	4766		Salt
4766	4796		Anhydrite
4796	5079		Anhydrite & Lime
5079	5230		Sand

TD 5230', KB 13', Elev 3714' KB, Pay Dela Sd 5088-5107', Net effective pay 16', Csg Pt 4 1/2" at 5230', Perf 5088-90', 5095-98' W/4 JSPF by collar log. Tops: Rustler 885', Top Salt 1221', Base Salt 4773', La Mar Lime 5027', Dela Sd 5088'. Log Comparison: 5088' on logs is 5085' on core. IP FL 56 bbls. 42 deg grav oil, 6 BW in 8.5 hrs, 14/64" chk, TP 100 lbs., CP 550 lbs., W/4 1.3 MCFGPD, GOR 261, DOR 158 bbls. Est daily allow 44 Bbl. PL conn Permian Corporation. Drlg. started 12-26-61, Comp 1-5-62, Tstd 1-9-62, rig released 1-5-62.

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NO. 10-48004-2



The information given herein is a complete and correct record of the well and all work done thereon. It is to be maintained in the office of the well owner and a copy of it is to be furnished to the nearest land office.

GUL OR GAS SANDS OR ZONES

IMPERMEABLE WATER SANDS

CASING RECORD

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.

HISTORY OF OIL OR GAS WELL

FROM--	TO--	TOTAL FEET	FORMATION
1000	900	100	Gravelly sandstone
900	800	100	Sandstone
800	700	100	Sandstone
700	600	100	Sandstone
600	500	100	Sandstone
500	400	100	Sandstone
400	300	100	Sandstone
300	200	100	Sandstone
200	100	100	Sandstone
100	0	100	Sandstone
FORMATION RECORD			
EMPLOYEES			
TOOLS USED			
SHOOTING RECORD			
PLUGS AND BRIDGES			
MUDLOGGING AND REMARKS			