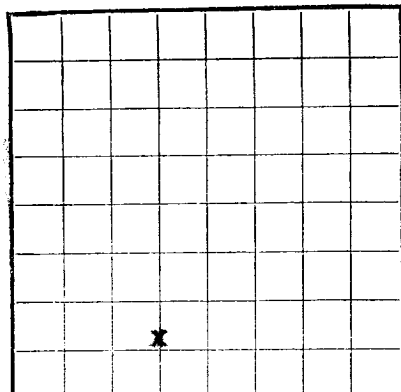


Las Cruces
U. S. LAND OFFICE LC 068281 a
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT Lse



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Continental Oil Company** Address **Box 68, Sunice, New Mexico**
Lessor or Tract **Russell Federal 19** Field **W Mason Delaware** State **New Mexico**
Well No. **4** Sec. **19** T. **26** R. **32** Meridian **NMPA** County **Lea**
Location **660** ft. **N** of **S** Line and **1980** ft. **E** of **W** Line of **Sec 19** Elevation **3178**
(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 _____ Title **District Superintendent**
Date **8-13-56**

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

Commenced drilling **7-5**, 19**56** Finished drilling **7-16**, 19**56**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **4283** to **4289** 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—	
8 5/8	24	8	J-55	1086	Guide, float				
5 1/2	16	8	J-55	4283	Guide, float	4283	4289	production	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	1086	460	pump & plug		
5 1/2	4293	340	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 **0** feet to **4294** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing **8-13**, 19**56**

The production for the first 24 hours was **106** barrels of fluid of which **42** % was oil; _____ % emulsion; **58** % 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

L. H. Rainwater, Driller **R. D. Jennings**, Driller
C. W. Grant, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1100	1100	Redbed
1100	2550	1450	Anhydrite, Gyp, Salt
2550	3980	1430	Anhydrite, Salt
3980	4230	250	Anhydrite, Limestone
4230	4294	64	Sand

Core #1 f/4274-94', cored 20', rec 20'. 4274-83' ss, g, fgr, shy, w/many thin sh lam, fair to no odor and streaked fluor. 4283-88' ss, g, fgr, w/good odor and solid fluor. 4288-90' ss, g, fgr, tight, fair odor, streaked fluor. 4290-92' ss, g, fgr w/good odor, solid fluor. 4292-93' ss, g, fgr, w/good odor and dull to splochy fluor. 4293-94' ss, g, fgr, w/good odor, solid fluor.

75 Shale and sand 4294', 4291', 10', elev 3178'. Pay Delaware Sand 4283-4289'. Casing point 5 1/2" set at 4293'. Perf 4283-4289' (by drillers depth). 18 pumped 35 bbls 41° gravity oil, 49 bbls water in 19 hrs. Daily potential 44 bbls oil w/10.8 MCF gas, GOR 245. Estimated daily allowable 44 bbls oil. Sandfraced w/10000# sand, 1000 gals lease crude, w/0.1% adomite per gal. Pipe line Conn: The Illinois Pipe Line Co of Texas. Geo tops: Hustler 1280', Base Salt 4019', Delaware Line 4236', Delaware Sand 4276', correlation point. Drilling started 7-5-56, completed 7-16-56, rig released 7-19-56, tested 8-13-56. Cactus Drlg Co, contractor.

FOLD MARK

