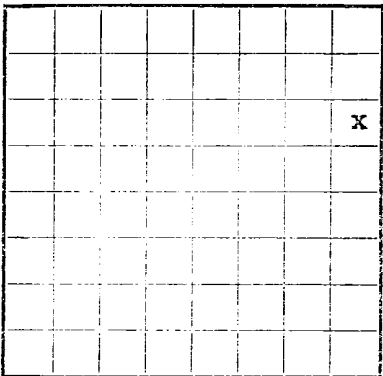




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 031670 b
LEASE OR PERMIT TO PROSPECT Lease

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Continental Oil Company Address Box 427, Hobbs, N. M.
Lessor or Tract McKee Field Warren-McKee State New Mexico
Well No. 51 Sec. 19 T. 20S R. 38E Meridian N. M. P. M. County Lea
Location 1650 ft. N. of N. Line and 230 ft. E. of E. Line of Section 19 Elevation 3561'
(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 [Signature]

Date January 23, 1957 Title District Superintendent

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

Commenced drilling October 6, 19 56 Finished drilling November 29, 19 56

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

No. 1, from 9022 to 9124 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	32.75	3 1/2	11-40	265	Guide shoe				
7-5/8	24	3 1/2	11-40	3278	Guide shoe				
7-5/8	24.40	3 1/2	11-40	638	Guide shoe				
5-1/2	17	3 1/2	11-40	3638	Guide shoe & Float collar				
5-1/2	17	3 1/2	11-40	2561	"				
5-1/2	15.5	3 1/2	11-40	4034	"				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	258	250	Pump & plug		
7-5/8	3998	2500	Pump & plug		
5-1/2	9218	440	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 9220 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing December 5, 19 56
The production for the first 24 hours was 247 barrels of fluid of which 100 % was oil; 0 %
emulsion; 0 % water; and 0 % sediment. Gravity, °Bé. 45.0
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1390	1390	Redbeds
1390	1480	90	Anhydrite
1480	2540	1060	Salt
2540	3510	970	Dolomite, Anhydrite
3510	3830	320	Sand, Dolomite
3830	6370	2540	Dolomite
6370	6560	190	Sand, Dolomite
6560	6960	400	Dolomite
6960	7830	870	Lime, Dolomite
7830	8735	905	Dolomite, Grit
8735	8950	215	Lime, Shale
8950	9220	270	Sand, Shale

For geologic tops taken from EL see attached sheet.

FORMATION RECORD—Continued

[illegible]

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 balling.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-43094-2

SEMO-MCKEE NO. 51: T. D. 9220. DOD 9218. Formation Sand, Shale. Elevation 3561'. Derrick Floor 13' above ground. McKee pay 9022-9124'. Casing point 5 1/2" at 9218'. 5 1/2" casing was perforated from 9022 to 9050' with 112 shots, 9060 to 9068' with 32 shots, 9094 to 9124' with 120 shots. On initial potential flowed 103 bbls. of 45° gravity oil and no water in 10 hours thru 20/64" choke on 2" tubing. TP 500#. CP 0# (packer). Daily potential 247 bbls. oil with 55.9 MCF gas, GOR 226. Estimated daily allowable 151 bbls. oil effective 12-5-56. Well was not treated. Well was not shot. Pipe line connected: Shell Pipe Line Corporation. Spudded 10-6-56. Drilling completed 11-29-56. Date rig released 12-5-56. Date tested 12-5-56. Tops: Base Salt 2540', Yates 2683', Seven Rivers 2933', Queen 3510', Grayburg 3832', San Andres 4034', Glorieta 5328', Blinbry 5868', Tubb 6368', Drinkard 6677', Abo 6960', Devonian 7830', Fusselman 8132', Montoya 8460', Simpson 8738', Top McKee 8952', Top McKee Pay 9007'.

SEMI-MCKEE NO. 51:

Core No. 1: 9025-9062'. Recovered 30' Sandstone and 3' Shale. Sandstone fine to medium grain, fair to good porosity, light brown to green in color with alternating streaks of light shaley sandstone. Porous sands saturated with oil and tighter zones have slight staining.

Core No. 2: 9063-9099'. Recovered 30' Sand. Sandstone fine to medium grain, good porosity, very soft and friable, green. Has fair to good oil stain throughout.

Core No. 3: 9099-9127'. Recovered 20' Sand. Sandstone medium grain, green, soft and friable with good to fair oil saturation throughout.

Core No. 4: 9180-9220'. Recovered 38'. 9180-9184.5' Limestone, shaley, green-gray. 9184.5-9188.5' Sand, fine grain, tight, tan, limey with good oil staining. 9188.5-9218' interbedded shaley green sand and hard green shale, no shows oil. 2' hard earthy lime at 9202.5-9204.5'.