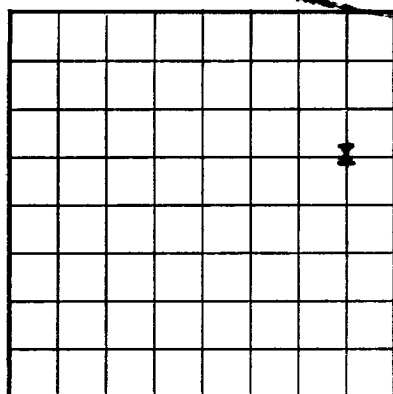


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 031695 (a)
LEASE OR PERMIT TO PROSPECT Lease



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Continental Oil Company Address Box CC, Hobbs, New Mexico
Lessor or Tract SEMU-Warren A-30 Field Warren-McKee State New Mexico
Well No. 1-S Sec. 30 T. 20S R. 38E Meridian N.M.P.M. County Lea
Location 1900 ft. SW of N Line and ft. W of E Line of Sec. 30 Elevation 3539
(Vertical foot 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 _____

Date July 13, 1951 Title District Superintendent

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

Commenced drilling October 13, 1950 Finished drilling January 4, 1951

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

No. 5, from _____ to _____

No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	252	250	Pump & Plug		
7 5/8	2824	1044	Pump & Plug		
5 1/2	2681-3724	250	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
		SDC	520 Qts.	1-22-51	3785-4000	4000'

TOOLS USED

Rotary tools were used from 0 feet to 9752 feet, and from _____ feet to _____ feet.

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

DATES

Put to producing Dry Hole, 19

The production for the first 24 hours was None barrels of fluid of which ----- % was oil; ----- % emulsion; ----- % 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

_____ **Dollar** _____, Driller _____ **Kellerman** _____, Driller
_____ **Short** _____, Driller _____ _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1225	1225	Surface sands and red beds.
1225	1392	167	Red beds and anhydrite.
1392	1902	510	Anhydrite.
1902	2170	268	Anhydrite and salt.
2170	2460	290	Salt.
2460	2825	365	Anhydrite.
2825	7845	5020	Lime.
7845	7884	39	Shale.
7884	8080	116	Lime, shale and chert.
8000	8947	947	Lime.
8947	8958	11	Shale.
8958	9083	105	Lime and shale.
9063	9725	669	Lime.
9725	9752	27	Granite wash.

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
DST #1, 9220-9260', tool open 1 hr., light blow air for 4.5 mins. Recovered 690' drilling mud.			
DST #2, 9260-9300', tool open 1 1/2 hrs., light blow air throughout. Recovered 480' salt water, 180' very slightly gas-cut mud.			
DST #3, 9620-9661', tool open 1 hr. 25 mins. Strong blow air for 40 mins., recovered 6480' salt water.			
DST #4, 9720-9752', tool open 1 1/2 hrs., light blow air throughout. Recovered 280' drilling mud, 1800' salt water.			
Set cement plugs from:			
9752 - 9600' w/ 3/4 sacks			
9210 - 9110' w/ 1/2 sacks			
8290 - 8190' w/ 1/2 sacks			
7920 - 7820' w/ 1/2 sacks			
7100 - 7000' w/ 1/2 sacks			
tool open 30 mins., light blow air for 14 mins. Recovered 261' drilling mud.			
Cement plugs were set from:			
6680 - 6580' w/ 2 1/2 sacks cement			
4110' to 3960' w/ 4 1/2 sacks cement			
The cement plug was drilled out from 9960' to 4000'. The hole was snubbed dry and acidized with 1,000 gals. acid. Recovered 61 bbls. fluid, out 95% water, 5% oil.			
A bridging plug was set at 3730' with 1 1/4 sacks cement on top. A 5 1/2" OD liner was set at 3726' with top of cement at 3681' and cemented with 250 sacks cement. The hole was cleaned out to 4010' and shot from 3785 to 4000' with 12 bbls. water in 24 hrs. and snubbed dry.			
Set cement plug from 3770' to 3670' with 50 sacks cement. Plug slipped to 3658'. Reset from 3670' to 3770' with 50 sacks.			
5 1/2" liner from:			
3558-3568			
3550-3554			
3484-3536			
3453-3458			
3438-3446			
3404-3430			
Total of 257 holes, 1 shot per ft.			
Set perforated from 3470-3484 w/ 5/8 holes			
3500-3506 w/ 2 1/2 holes			
3510 to 3516 w/ 2 1/2 holes			
3534 to 3530 w/ 2 1/2 holes			
RECORD			
Hole tested 6,700 cu. ft. gas per day. Washed perforations from 3032 to 3568' with 500 gals. mud acid. Snubbed back oil level and small amount of gas.			
Well temporarily abandoned 2-8-51 as dry hole.			

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.

IMPORTANT DATA BANDS

OIL OR GAS WELL OR LOG

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