

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 031741 (b)
LEASE OR PERMIT TO PROSPECT NMPU

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Continental Oil Company Address Box 427 - Hobbs, New Mexico
Lessor or Tract W. C. Hawk B-3 Field Brunson State New Mexico
Well No. 5-E Sec. 3 T. 21S R. 37E Meridian NMPM County Lea
Location 2970ft. {N. of S. Line and 1650ft. {W. of E. Line of Sec. 3 Elevation 3479'
(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 J. R. Chesters
Title Ass't. Dist. Supt.

Date 11-26-52
The summary on this page is for the condition of the well at above date.

Commenced drilling 8-2, 1952 Finished drilling 9-29, 1952

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

No. 1, from 8136 to 8274 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—	
13 3/8	48	8	H-40	257.35	Guide				
9 5/8	36	8	J-55	2524.37	Guide, shoe and float collar				
9 5/8	40	8	N-80	609.77					
7	23	8	N-80	2771.10					
7	23	8	J-55	4768.05			8166	8260	Production
7	26	8	N-80	809.50	Guide, shoe and float collar				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	2699	260	Pump and plug		
9 5/8	3149'	1360	Pump and plug		
7	8301'	940	Pump and 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 8302 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing 10-6, 1952
The production for the first 24 hours was 275 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 44°
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Jack Hewitt, Driller John Reed, Driller
O. A. Britton, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1310		Bedded
	1450		Anhydrite
	2510		Salt
	2810		Anhydrite
	5260		Dolomite and Anhydrite
	7450		Dolomite and Lime
	7780		Lime and Shale
	8110		Shale and Sand
	8274		Lime and Dolomite
	8299		Granite Wash
	8302		Granite

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 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.

HISTORY OF OIL OR GAS WELL

FROM-	TO-	TOTAL FEET	FORMATION
			Granite
EST No. 1 from 6555 to 6555, open 1 hour 30 minutes. Light show of gas to surface 31 minutes. BP 375 to 450#, 30 minutes shut in BHP 1075#, hydrostatic pressure 3125#.			
EST No. 2 from 7829 to 7958, open 1 hour, gas in 3 minutes, fluid in 29 minutes. Tested 43.80 barrels oil, no water in 30 minutes with gas estimated at 1156 MCF/D. Flowing pressure 1500#-1900# 15 minutes SI BHP 2500#. Hydrostatic pressure 3550#.			
DST No. 3 8065-8126, Connell formation. Gas 3 minutes fluid 17 minutes. Flowed 31 barrels oil, no water in 30 minutes, gas estimated at 1118 MCF per day.			
DST No. 4, 8160-8216, Altonburg formation, tool open 1 1/2 hours, slight blow gas throughout test. Hydrostatic pressure 3850#, 15 minutes SI BHP, 1250#. BP 0#.			
EST No. 5, from 8216-8302, Altonburg formation, tool open 1 1/2 hours, good blow of air throughout test. 15 minutes SI BHP 825#, flowing pressure 200#, hydrostatic pressure 4,000#.			
Plugged back to 8302. Plugged back to 8302. The initial potential flowed by gas, 11.5 barrels of 4.6 gravity gas in 15 hours thru 3/4" choke on 2" tubing for a daily potential of 275 barrels oil and no water. CP 0#.			
Flow values set at 2305, 3897, 5294, 6509, 7544, and 8104. Standing value at 8135. Flow set at 8136. Well was acidized with 3,000 gallons from 8166 to 8210, 2"			
tubing set at 8266.			