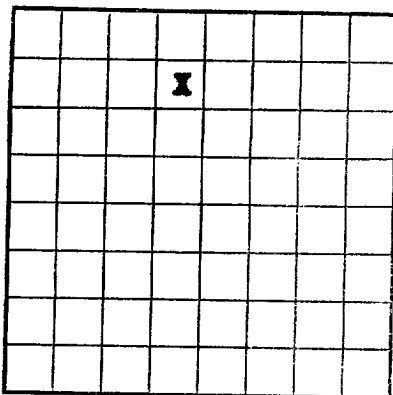


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 031741 (b)
LEASE OR PERMIT TO PROSPECT Lease



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

* (Formerly W. C. Hawk B-10 No. 4-E)

Company Continental Oil Company Address Box 427, Hobbs, New Mexico
Lessor or Tract W. C. Hawk B-10 Field Hare State New Mexico
Well No. 4-9* Sec. 10 T. 21S R. 37E Meridian N.M.P.M. County Lea
Location 990 ft. N of S Line and 2310 ft. E of W Line of Section 10 Elevation 3464
(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 Edmund

Date June 12, 1952 Title District Superintendent

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

Commenced drilling March 20, 1952 Finished drilling May 10, 1952

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **7617** to **7816** 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. 2, from _____ to _____

No. 3, 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	8 Ga.	SW		242	Guide				
7 5/8	25.10	8	J-55	3121	G. shoe and P. collar				
5 1/2	14	8	J-55	3010	G. shoe and P. collar				
5 1/2	15.5	8	J-55	2680				See history	
5 1/2	17	8	J-55	1634					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	256	250	Pump & Plug		
7 5/8	3099	1308	Pump & Plug		
5 1/2	8089	507	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
None						

TOOLS USED

Rotary tools were used from 0 feet to 3090 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing May 17, 1942

The production for the first 24 hours was 1461 barrels of fluid of which 100 % was oil; ----- % emulsion; ----- % water; and ----- % sediment. Gravity, °Bé. 15

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

J. B. Claybrook, Driller
T. V. Smith, Driller
F. L. Lewis, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1260	1260	Redbeds.
1260	1350	90	Anhydrite.
1350	2440	1090	Salt.
2440	2710	270	Anhydrite.
2710	3900	1190	Dolomite and Anhydrite.
3900	5200	1300	Dolomite.
5200	6775	1575	Dolomite, Lims and Sand.
6775	7500	725	Dolomite and Lims.
7500	7617	117	Dolomite and Shale.
7617	8000	383	Sand and Shale.
8000	8037	37	Lims.
8037	8090	53	Dolomite.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

1977 640 20 40 70 200

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.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

DET #1, 5620' to 5650', Ellsberry, tool open 1 hour. Gas to surface in 23 minutes, fluid in 29 minutes. Gas 170 MCF. Recovered 270' oil, 180' sulphur water. Flowing pressure 1450#. Shut-in 15-minute pressure 2375#. Hydrastatic pressure 2825#. DET #2, 6150' to 6371'. Gas to surface in 5 minutes, tool open 1 hour. 1,691 MCF gas. Flowing pressure 650#. 15-minute shut-in pressure 2500#. Hydrastatic pressure 3,000#. DET #3, 6510' to 6810', Delward, tool open 1 hour, light blow of air in 10 minutes. Recovered 600' light gas and oil-cut drilling mud. Flowing pressure 275#. 15-minute shut-in pressure 1200#. Hydrastatic pressure 5475#. DET #4, 7300' to 7428', Lower Abo, tool open 1 hour. Gas to surface in 3 minutes. Light blow. Recovered 350' oil and gas and drilling mud. Flowing pressure 200#. 15-minute shut-in pressure 650#. Hydrastatic pressure 4300#. DET #5, 7664' to 7762', Upper Ellsberry, tool open 1 hour and 20 minutes, gas to surface in 5 minutes. On 1 hour test flowed 1624 MCF. 15-minute shut-in pressure 2700#. Gas, BOR 923. Flowing pressure 4250#. Hydrastatic pressure 4250#. DET #6, 7940' to 7992', Central Ellsberry, tool open 1 hour and 30 minutes, gas to surface in 4 minutes. On 1 hour test flowed 46 bbls. oil, no water with 1513 MCF gas. BOR 1270. Flowing pressure 2100#. 15-minute shut-in pressure 2700#. Hydrastatic pressure 4255#. DET #7, from 8020' to 8090', Ellsberry. Tool open 1 hour and 30 minutes. Gas to surface in 1 hour and 15 minutes. Very small amount. Recovered 1260' gas-cut drilling mud, 4140' sulphur water. FORMATION RECORD