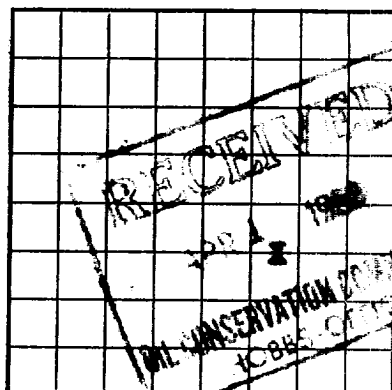




UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Harc State New Mexico
 Well No. 4-S Sec. 3 T. 21S R. 37E Meridian N.M.P.M. County Lea
 Location 1980 ft. $\left\{ \begin{smallmatrix} \text{N.} \\ \text{E.} \end{smallmatrix} \right\}$ of S Line and 1830 ft. $\left\{ \begin{smallmatrix} \text{E.} \\ \text{W.} \end{smallmatrix} \right\}$ of E Line of Section 3 Elevation 3469
(Overlaid 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

Date **March 28, 1952** Title **District Superintendent**

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

Commenced drilling January 17, 19 52 Finished drilling March 3, 19 52

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 7693 to 7866 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	8	H-40	131	Guide				
10 3/4	32.75	8	H-40	234	Guide				
7 7/8	28.40	8	J-55	187	O. shoe & F. collar			See list for perforations.	
5 1/2	17	8	J-55	125	O. shoe & F. collar				
5 1/2	15.5	Hydril	J-55	6000					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	273	235	Pump & Plug		
7 5/8	3147	1150	Pump & Plug		
5 1/2	8024	635	Pump & Plug		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material	Size
1/8-in. dia. x 1/2-in. long	1/8-in.
1/4-in. dia. x 1/2-in. long	1/4-in.
3/8-in. dia. x 1/2-in. long	3/8-in.
1/2-in. dia. x 1/2-in. long	1/2-in.
3/4-in. dia. x 1/2-in. long	3/4-in.
1-in. dia. x 1/2-in. long	1-in.
1 1/4-in. dia. x 1/2-in. long	1 1/4-in.
1 1/2-in. dia. x 1/2-in. long	1 1/2-in.
1 3/4-in. dia. x 1/2-in. long	1 3/4-in.
2-in. dia. x 1/2-in. long	2-in.
2 1/4-in. dia. x 1/2-in. long	2 1/4-in.
2 1/2-in. dia. x 1/2-in. long	2 1/2-in.
2 3/4-in. dia. x 1/2-in. long	2 3/4-in.
3-in. dia. x 1/2-in. long	3-in.
3 1/4-in. dia. x 1/2-in. long	3 1/4-in.
3 1/2-in. dia. x 1/2-in. long	3 1/2-in.
3 3/4-in. dia. x 1/2-in. long	3 3/4-in.
4-in. dia. x 1/2-in. long	4-in.
4 1/4-in. dia. x 1/2-in. long	4 1/4-in.
4 1/2-in. dia. x 1/2-in. long	4 1/2-in.
4 3/4-in. dia. x 1/2-in. long	4 3/4-in.
5-in. dia. x 1/2-in. long	5-in.
5 1/4-in. dia. x 1/2-in. long	5 1/4-in.
5 1/2-in. dia. x 1/2-in. long	5 1/2-in.
5 3/4-in. dia. x 1/2-in. long	5 3/4-in.
6-in. dia. x 1/2-in. long	6-in.
6 1/4-in. dia. x 1/2-in. long	6 1/4-in.
6 1/2-in. dia. x 1/2-in. long	6 1/2-in.
6 3/4-in. dia. x 1/2-in. long	6 3/4-in.
7-in. dia. x 1/2-in. long	7-in.
7 1/4-in. dia. x 1/2-in. long	7 1/4-in.
7 1/2-in. dia. x 1/2-in. long	7 1/2-in.
7 3/4-in. dia. x 1/2-in. long	7 3/4-in.
8-in. dia. x 1/2-in. long	8-in.
8 1/4-in. dia. x 1/2-in. long	8 1/4-in.
8 1/2-in. dia. x 1/2-in. long	8 1/2-in.
8 3/4-in. dia. x 1/2-in. long	8 3/4-in.
9-in. dia. x 1/2-in. long	9-in.
9 1/4-in. dia. x 1/2-in. long	9 1/4-in.
9 1/2-in. dia. x 1/2-in. long	9 1/2-in.
9 3/4-in. dia. x 1/2-in. long	9 3/4-in.
10-in. dia. x 1/2-in. long	10-in.
10 1/4-in. dia. x 1/2-in. long	10 1/4-in.
10 1/2-in. dia. x 1/2-in. long	10 1/2-in.
10 3/4-in. dia. x 1/2-in. long	10 3/4-in.
11-in. dia. x 1/2-in. long	11-in.
11 1/4-in. dia. x 1/2-in. long	11 1/4-in.
11 1/2-in. dia. x 1/2-in. long	11 1/2-in.
11 3/4-in. dia. x 1/2-in. long	11 3/4-in.
12-in. dia. x 1/2-in. long	12-in.
12 1/4-in. dia. x 1/2-in. long	12 1/4-in.
12 1/2-in. dia. x 1/2-in. long	12 1/2-in.
12 3/4-in. dia. x 1/2-in. long	12 3/4-in.
13-in. dia. x 1/2-in. long	13-in.
13 1/4-in. dia. x 1/2-in. long	13 1/4-in.
13 1/2-in. dia. x 1/2-in. long	13 1/2-in.
13 3/4-in. dia. x 1/2-in. long	13 3/4-in.
14-in. dia. x 1/2-in. long	14-in.
14 1/4-in. dia. x 1/2-in. long	14 1/4-in.
14 1/2-in. dia. x 1/2-in. long	14 1/2-in.
14 3/4-in. dia. x 1/2-in. long	14 3/4-in.
15-in. dia. x 1/2-in. long	15-in.
15 1/4-in. dia. x 1/2-in. long	15 1/4-in.
15 1/2-in. dia. x 1/2-in. long	15 1/2-in.
15 3/4-in. dia. x 1/2-in. long	15 3/4-in.
16-in. dia. x 1/2-in. long	16-in.
16 1/4-in. dia. x 1/2-in. long	16 1/4-in.
16 1/2-in. dia. x 1/2-in. long	16 1/2-in.
16 3/4-in. dia. x 1/2-in. long	16 3/4-in.
17-in. dia. x 1/2-in. long	17-in.
17 1/4-in. dia. x 1/2-in. long	17 1/4-in.
17 1/2-in. dia. x 1/2-in. long	17 1/2-in.
17 3/4-in. dia. x 1/2-in. long	17 3/4-in.
18-in. dia. x 1/2-in. long	18-in.
18 1/4-in. dia. x 1/2-in. long	18 1/4-in.
18 1/2-in. dia. x 1/2-in. long	18 1/2-in.
18 3/4-in. dia. x 1/2-in. long	18 3/4-in.
19-in. dia. x 1/2-in. long	19-in.
19 1/4-in. dia. x 1/2-in. long	19 1/4-in.
19 1/2-in. dia. x 1/2-in. long	19 1/2-in.
19 3/4-in. dia. x 1/2-in. long	19 3/4-in.
20-in. dia. x 1/2-in. long	20-in.
20 1/4-in. dia. x 1/2-in. long	20 1/4-in.
20 1/2-in. dia. x 1/2-in. long	20 1/2-in.
20 3/4-in. dia. x 1/2-in. long	20 3/4-in.
21-in. dia. x 1/2-in. long	21-in.
21 1/4-in. dia. x 1/2-in. long	21 1/4-in.
21 1/2-in. dia. x 1/2-in. long	21 1/2-in.
21 3/4-in. dia. x 1/2-in. long	21 3/4-in.
22-in. dia. x 1/2-in. long	22-in.
22 1/4-in. dia. x 1/2-in. long	22 1/4-in.
22 1/2-in. dia. x 1/2-in. long	22 1/2-in.
22 3/4-in. dia. x 1/2-in. long	22 3/4-in.
23-in. dia. x 1/2-in. long	23-in.
23 1/4-in. dia. x 1/2-in. long	23 1/4-in.
23 1/2-in. dia. x 1/2-in. long	23 1/2-in.
23 3/4-in. dia. x 1/2-in. long	23 3/4-in.
24-in. dia. x 1/2-in. long	24-in.
24 1/4-in. dia. x 1/2-in. long	24 1/4-in.
24 1/2-in. dia. x 1/2-in. long	24 1/2-in.
24 3/4-in. dia. x 1/2-in. long	24 3/4-in.
25-in. dia. x 1/2-in. long	25-in.
25 1/4-in. dia. x 1/2-in. long	25 1/4-in.
25 1/2-in. dia. x 1/2-in. long	25 1/2-in.
25 3/4-in. dia. x 1/2-in. long	25 3/4-in.
26-in. dia. x 1/2-in. long	26-in.
26 1/4-in. dia. x 1/2-in. long	

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
NONE						

TOOLS USED

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

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

DATES

....., 19..... Put to producing 19.....

The production for the first 24 hours was 600 barrels of fluid of which 100 % 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

_____, Driller

_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1300	1300	Redbeds.
1300	1430	130	Anhydrite.
1430	2470	1040	Salt.
2470	7430	4960	Lime, Dolomite.
7430	7715	285	Shale.
7715	8000	285	Sand and Shale.
8000	8025	25	Lime.
(over)			

CLASSIFICATION **UNCLASSIFIED**

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 "added back" 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 pings 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 16-55084-1

FROM-	TO-	TOTAL FEET	FORMATION
			DST #1, 6950-7280', test open 1 1/2 hours, light blow of air for 1 hour. Recovered 90' drilling mud, no oil, water or gas. Flowing pressure 0'. Bottom-hole pressure 0'. Hydrostatic pressure 3700'. DST #2, 7180-7430', test open 2 hours, gas to surface in 7 minutes, light blow throughout test. Recovered 5090' clean oil, 360' oil and gas-cut mud. Flowing pressure 725'. 15-minute shut-in pressure 2375'. Hydrostatic pressure 3625'. DST #3, 7130-7320', test open 1 hour and 25 minutes. Gas to surface in 4 minutes fluid in 12 minutes. Flowed 53 bbls. oil on 1 hour test. 600 MCF gas. GOR 698. Flowing pressure 7400'. 15-minute shut-in pressure 2565'. Hydrostatic pressure 3625'. DST #3, 7130-7320', test open 1 hour and 25 minutes. Gas to surface in 4 minutes fluid in 12 minutes. Flowed 53 bbls. oil on 1 hour test. 600 MCF gas. GOR 698. Flowing pressure 7400'. 15-minute shut-in pressure 2565'. Hydrostatic pressure 3625'. Set 5 1/2" casing at 8024'. Moved to reverse rig and drilled plug to 8020'. Perforated casing from 7700-7754' with 235 jet holes; 7764-7812' with 192 jet holes and from 7830-7886' with 104 jet holes. Washed perforations with 500 gallons mud. 2 1/2" tubing set at 7499'. On initial potential flowed 170 bbls. of 47 deg. gravity oil and no water in 6 hours. Then 18 barrels on 2 1/2" tubing for a day. GOR 849. Potential of 600 bbls. oil and no water. Gas volume 577.2 MCF per day. GOR 849.