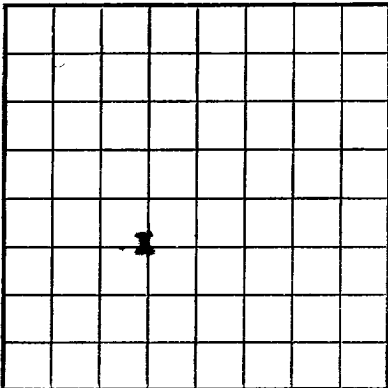




UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-00565

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Continental Oil Company Address Box 427, Hobbs, New Mexico
Lessor or Tract Gertrude W. Duffield Field Wildcat State New Mexico
Well No. 1 Sec. 21 T. 16S R. 27E Meridian N.M.P.M. County Eddy
Location 1980 ft. (N) of 8 Line and 1980 ft. (E) of W Line of Section 21 Elevation 3573
(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.

Date May 26, 1952 Signed *W. E. Miller*
Title Dist. Supt.

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

Commenced drilling December 22, 1951 Finished drilling April 17, 1952

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

No. 1, from 8616 to 8715 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

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13"	274	275	Pump & Plug		
9 5/8"	1381	875	Pump & Plug		
7"	8799	1019	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 10,180 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing Nov 13, 1952

The production for the first 24 hours was ~~30 (est)~~ barrels of fluid of which ~~100~~ % was ~~oil~~ ^{distillate} ~~oil~~ % emulsion; ----- % water; and ----- % sediment. Gravity, °Bé. ~~66.2~~

If gas well, cu. ft. per 24 hours 3,000,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

G. J. Sanders, Driller
 R. M. Smith, Driller
 T. W. Ryland, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1375	1375	Red Shale and Sand.
1375	4875	3500	Dolomite (Streaky of Sand)
4875	5600	725	Shale.
5600	6080	480	Dolomite.
6080	8909	1920	Lime and Shale.
8000	8880	880	Shale, Lime and Sand.
8880	9309	420	Lime and Chert.
9300	9350	50	Shale.
9350	10,020	670	Dolomite.
10,020	10,060	40	Shale and Sand.
10,060	10,188	128	Dolomite.

FROM-	TO-	TOTAL FEET	FORMATION
Drilled to total depth 10,188' without obtaining commercial oil or gas production. Hole was plugged back to 8800' with mud and cement. Cement plugs were set as follows: 10,138' to 10,188' with 25 sacks; 10,000' to 10,100' with 45 sacks; 9300' to 9400' with 45 sacks; 8800' to 8900' with 85 sacks. 7" casing was set at 8799'. Plug was drilled to 8766'. Perforated 7" casing 8616' to 8647' with 12 shots and 8690' to 8715' with 100 shots. Perforations were acidized with 1,000 gallons acid.			
On initial potential tested a calculated open-flow potential of 3,800 MCF sweet gas per day, based on 12-hour back pressure test, plus estimated 30 bbls. distillate per day.			
BACK PRESSURE TEST			
Back Pressure Test			
97%	1 1/2	1,076	3,185 MCF/day plus 30 bbls. distillate/day.
1 1/2	1 1/2	1,076	1,800 MCF/day plus 30 bbls. distillate/day.
1 1/2	1 1/2	1,906	1,551 MCF/day.
1 1/2	1 1/2	2,089	1,209 MCF/day plus 17 bbls. distillate/day.
1 1/2	1 1/2	2,268	845 MCF/day plus 28 bbls. distillate/day.
Deliverability at 600 PSIA = 3,480 MCF/day plus estimated 26 bbls. distillate per day.			
Deliverability at 150 PSIA = 3,750 MCF/day plus estimated 29 bbls. distillate per day.			
Calculated open-flow potential = 3,800 MCF/day plus estimated 30 bbls. distillate/day.			
Shut-in pressure = 2943 psia.			
2 1/2" tubing set at 8606'.			

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