

LOCATE WELL CORRECTLY

TOTAL FEET

U. S. LAND OFFICE New Mexico

SERIAL NUMBER --- 04209

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

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 August 22, 1955 Title Petroleum Engineer

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

Commenced drilling ----- June 8, -----, 1955 ----- Finished drilling ----- July 3 -----, 1955 -----

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2255 to 2318 (a) No. 4, from 4516 to 4700 (c)

No. 2, from 3910 73-73 to 3945 76, No. 5, from 3945 76 to 3970 76

No. 3, from 13045 to 4516 (c) 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	
9 5/8	25.44	3.2	S.N.	100	Heavy	cut and pulled from	and resurfaced	of blinding	of repairing
7 1/2	20.00	3.2	S.N.	100	Heavy	cut and pulled from	and resurfaced	of blinding	of repairing
6 3/4	18.00	3.2	S.N.	100	Heavy	cut and pulled from	and resurfaced	of blinding	of repairing
5 7/8	16.00	3.2	S.N.	100	Heavy	cut and pulled from	and resurfaced	of blinding	of repairing
5 1/8	14.00	3.2	S.N.	100	Heavy	cut and pulled from	and resurfaced	of blinding	of repairing
4 7/8	12.00	3.2	S.N.	100	Heavy	cut and pulled from	and resurfaced	of blinding	of repairing
4 1/2	10.00	3.2	S.N.	100	Heavy	cut and pulled from	and resurfaced	of blinding	of repairing
4 1/8	8.00	3.2	S.N.	100	Heavy	cut and pulled from	and resurfaced	of blinding	of repairing
3 7/8	6.00	3.2	S.N.	100	Heavy	cut and pulled from	and resurfaced	of blinding	of repairing
3 1/2	4.00	3.2	S.N.	100	Heavy	cut and pulled from	and resurfaced	of blinding	of repairing
3 1/8	2.00	3.2	S.N.	100	Heavy	cut and pulled from	and resurfaced	of blinding	of repairing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	170'	125	Circulated		
7"	4420'	500	Single stage		

MARK

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
		See well history.				

TOOLS USED

Gas Drilled

Rotary tools were used from 0 feet to 125 feet, and from 425 feet to 475 feet.

Cable tools were used from 0 feet to 125 feet, and from 425 feet to 475 feet.

DATES

July 5, 1955

Put to producing

1955

The production for the first 24 hours was 2,775,000 barrels of fluid of which 1000% was oil; 0% emulsion; 0% water; and 0% sediment.

If gas well, cu. ft. per 24 hours 2,775,000

Rock pressure, lbs. per sq. in. 1000

Gravity, °Bé.

Gallons gasoline per 1,000 cu. ft. of gas

EMPLOYEES

Driller

Driller

Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	710	710	Tan cr-grn ss w/thin sh breaks.
710	900	190	Variegated sh w/thin ss breaks.
900	1265	365	Tan to gry cr-grn ss interbedded w/gry sh.
1265	1380	115	Ojo Alamo ss. White cr-grn s.
1380	1892	512	Kirtland form. Gry sh interbedded w/tight, gry fine-grn ss.
1892	2255	363	Fruitland form. Gry carb sh, scattered coals
2255	2318	63	coals and gry, tight, fine-grn ss.
2318	3910	1592	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3910	3945	35	Lewis formation. Gry to white-dense sh w/silty to shaly ss breaks.
3945	4516	571	Cliff House ss. Gry, fine-grn, dense sil ss.
4516	4700	184	Manefee form. Gry, fine-grn s, carb sh & coal.
4700	4715 T.L.	15	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
			Mancos formation. Gry carb sh.

10-43094-3

FORMATION RECORD—Continued

15-55

Casing		Drill pipe		Mud		Water		Air		Electricity		Other	
Type		Size		Weight		Volume		Pressure		Flow		Consumption	
Schedule		Grade		Length		Diameter		Depth		Rate		Cost	

HISTORY OF OIL OR GAS WELL

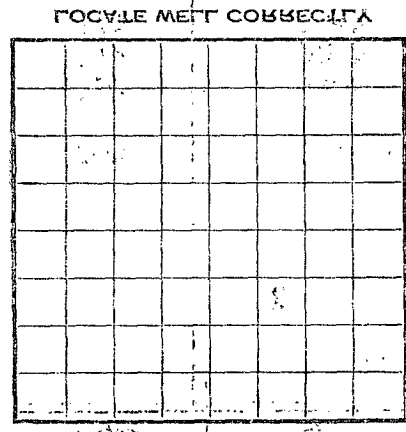
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its 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.

July 4, 1955 Total Depth 4715'. Sandoil fracture Point Lookout from 4420' to 4500'. Produced 16,000 gallons oil and 5,000 gallons gas. Breakdown pressure 1800 psi, maximum pressure 1975 psi, injection rate 6.7 bbls./min. First 2100 gallons. Natural gas 29 MCF/D.

Drill Stem Tests		Open		Close		Remarks	
6-13-55	1450-1483	Open 45 min.	Rec. 105'	Drig. mud.			
6-15-55	1675-1710	Open 13 min.	Rec. 130'	Drig. mud.			
6-17-55	2251-2307	Open 2 1/2 hrs.	Rec. 10'	g-c-m.			
6-22-55	3215-3265	Open 2 3/4 hrs.	Rec. 10'	g-c-m.			
6-24-55	3319-3372	Open 1 3/4 hrs.	Rec. 10'	g-c-m.			

OIL OR GAS ZONES OR FORMATION

Commenced drilling	1955	Finished drilling	1955
The summary on this page is for the condition of the well at above date.			
Date	1955	Driller	
The information given here is a complete and correct record of the well and all work done thereon.			
Location	1/4 Sec. 14, T. 22 N., R. 10 W., S. 1 E.	County	Franklin Co., Mo.
Well No.	260	State	Mo.
Owner of tract	John B. Smith	Address	123 Main St., St. Louis, Mo.
Company	Smith & Co.	Address	123 Main St., St. Louis, Mo.



LOC OF OIL OR GAS WELL

GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR
UNITED STATES

TYPE OF PERMIT TO PROSPECT	
SERIAL NUMBER	
U. S. LAND OFFICE	
APPROVAL EXPIRES 12-31-55	
BUDGET NUMBER 10-45-B-3223	