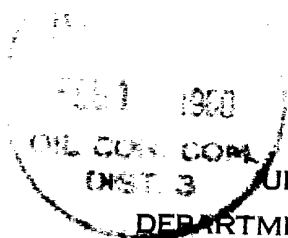


LOCATE WELL CORRECTLY



U. S. LAND OFFICE New Mexico
SERIAL NUMBER 02861
LEASE OR PERMIT TO PROSPECT
RECEIVED
SEP 15 1960
U. S. GEOLOGICAL SURVEY
WASHINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract Lodewick Field Wildcat Dakota State New Mexico
Well No. 9 Sec. 19 T. 27N R. 9W Meridian N.M.P.M. County San Juan
Location 990 ft. xxox of N Line and 1650 ft. [E.] of N Line of Section 19 Elevation 6517
(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 _____ ORIGINAL FILED IN _____

Date February 12, 1960 Title Petroleum Engineer

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

Commenced drilling 11-22, 1959 Finished drilling 12-14, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2370 to 2453 (G) No. 4, from 4772 to 4877 (G)
No. 2, from 3950 to 4050 (G) No. 5, from 6785 to 6872 (G)
No. 3, from 4050 to 4772 (G) No. 6, from 6872 to 7026 (G)

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	8.0	B.W.	322	Baker				Surface
5-1/2	27.4	8.0	J-55	7047	Baker				Prod. Csg.
2"	4.7	8.0	J-55	6891					Prod. Tbg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	332	35	Circulated		
5-1/2	7057	356	Two stage		

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

Rotary tools were used from 0 feet to 7060 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

1-5, 1960 Put to producing _____, 19____
The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____
If gas well, cu. ft. per 24 hours 4,616,000 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 1917 A.C.F. = 5948 MCF/L

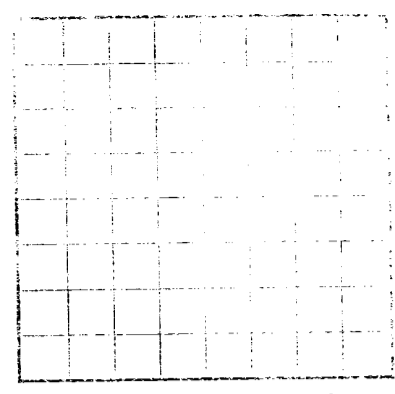
EMPLOYEES

Foree Drilling Company, Driller _____, Driller _____
Evitt Drilling Co., Driller _____, Driller _____

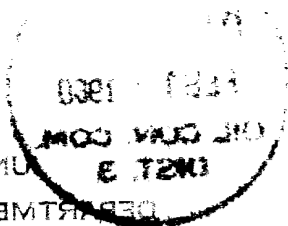
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1506	1506	Tan to gry cr-grn ss interbedded w/gry sh.
1506	1598	92	Ojo Alamo ss. White cr-grn s.
1508	2104	506	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2104	2370	266	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2370	2453	83	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2453	3950	1497	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
3950	4050	100	Cliff House ss. Gry, fine-grn, dense sil ss.
4050	4772	722	Menefee form. Gry, fine-grn s, carb sh & coal.
4772	4877	105	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
4877	5911	1034	Mancos formation. Gry carb sh.
5911	6383	472	Gallup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg. interbed sh.
6383	6729	346	Sanastee form. Drk gry calc very fine to fine gry ss w/calc veins w/irreg inter drk gry s.
6729	6785	56	Greenhorn form. Highly calc gry sh w/thin lmst.
6785	6872	87	Graneros form. Lk gry shale, fossil & carb w/prite incl.
6872	7026	154	Dakota form. Lt to dk gry foss carb sl calc sl silty ss w/pyrite incl thin sh bands clay & sha breaks.
7026	7060	34	Harrison form. Interbed grn brn & red waxy sh & tan to br grn sh.

LOG OF OIL OR GAS WELL



U.S. GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR
UNITED STATES



Country _____
 State _____
 Field _____
 Township _____
 Range _____
 Section _____
 Name of well _____
 Direction of dip _____
 Direction of strike _____
 Direction of flow _____

OIL OR GAS SANDS OR ZONES

DIFFERENTIAL WATER SANDS

Spotted 500 gal. heavy ferr. Dakota at 6912-26; 6934-44; greases at 6822-36 (2 pt/ft) treated w/100 gal. oil, 50,000# sand; flush with 10,000 gal. oil. I.R. 39.8 H.M. Max. pr. 3000#, BDR 2000#, tr. pr. 2800#. Dropped 2 sets of 10 balls for 3 stages.

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 "staked" 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 balling.

HISTORY OF OIL OR GAS WELL

10-5095-2 U. S. GOVERNMENT PRINTING OFFICE

FROM	TO	TOTAL FEET	FORMATION
			FORMATION RECORD
			EMPLOYEES
			MUDGING AND CEMENTING RECORD