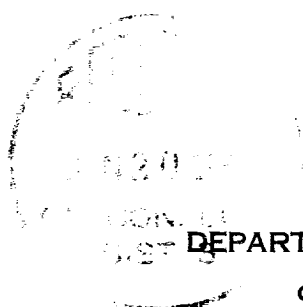


LEASE OR PERMIT TO PROSPECT

Form 9-330

LOCATE WELL CORRECTLY



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. GEOLOGICAL SURVEY
FLAGSTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
 Lessor or Tract Federal Field Gavalin P.C. Ext. State New Mexico
 Well No. 24-1-C Sec. 24 T. 25N R. 2W Meridian N.M.P.M. County Rio Arriba
 Location 1730 ft. ~~XXXX~~ of N Line and 1650 ft. ~~XXXX~~ of E Line of Section 24 Elevation 7470

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 SIGNED J. M. PETERSON
Date January 15, 1960 Title Petroleum Engineer

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

Commenced drilling 10-25-59, 1959 Finished drilling 10-30, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by $\mathbb{G}$)

No. 1, from 3526 to 3572 (G.) 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

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	125'	90	Circulated		
5 1/2	3640	90	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD

[illegible]

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

-----**11-16**-----, 19-----**59** 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 1,396,860 Gallons gasoline per 1,000 cu. ft. of gas -----
 Rock pressure, lbs. per sq. in. 862 A.G.F. = 1421 MCF/D

EMPLOYEES

_____, Driller

_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	3190	3190	Tan to gry cr-grn ss interbedded w/gry sh.
3190	3265	75	Ojo Alamo ss. White cr-grn s.
3265	3459	194	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3459	3526	67	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3526	3572	46	Pictured Cliffs form. Gry, fine-grn, tight, varicolored so ft ss.
3572	3641	69	Lewis formation. Gry to white dense sh w/ silty to shaly ss breaks.

Y CORRECT

LOG OF OIL OR GAS WELL

11. The Government of the United States of America hereby certifies that the above information is true and correct to the best of its knowledge and belief.

REF ID: A67482

LT-13-59
 T.D. 3641: C.O.L.D. 3616: Placed Richard Cliffs pert. int.
 3546-54; 3560-70; 3576-86 (2 pt/lt) 4/36, 390 gallons water and
 30,000 sand. Run 4578 gallons water. Run 1850#, max, pr. 1850#
 248. tr. pr. 600-650-900#. Injected 2 sets/12 balls. Dumped 200
 gal. MCA ahead of it. MCA water contained 1% Calcium Chloride.

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

FROM	TO	TOTAL FEET	FORMATION
	100	100	FORMATION
	200	200	FORMATION
	300	300	FORMATION
	400	400	FORMATION
	500	500	FORMATION
	600	600	FORMATION
	700	700	FORMATION
	800	800	FORMATION
	900	900	FORMATION
	1000	1000	FORMATION