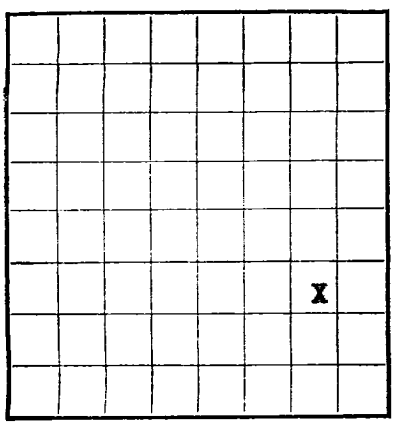
Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. Land Office Santa Fe
Serial Number 078915
Lease or Permit to Prospect

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 990, Farmington, New Mexico

Lessor or Tract Lindrith Unit Field So.Blanco P. C. State New Mexico

Well No. 36 Sec. 23 T. 24-N R. 3-W Meridian N.M.P.M. County Rio Arriba

Location 1650 ft. {N.} of S Line and 890 ft. {E} of E Line of Sec. 23 Elevation 7173'
(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 Signed D. W. Meehan

Date October 19, 1960 Title Petroleum Engineer

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

Commenced drilling 7-22-60, 19.... Finished drilling 7-25-, 19 60

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3213 to 3257 (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

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
8 5/8"	24	8 Rd	J-55	105	Baker				surface casing
5 1/2"	14.5	8 Rd	J-55	3257	Baker				prod casing
1 1/4"	2.4	10 Rd.	J-55	3223					prod tubing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	105	85	circulated		
5 1/2"	3257	40	single 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 3266 feet, and from ..... feet to ..... feet

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

DATES

8-10, 19 60 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 1,977,000 Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. 990 A.O.F. 2035 MCF/D

EMPLOYEES

....., Driller ....., Driller

....., Driller ....., Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2797	2797	Tan to gry cr-grn ss interbedded w/gry sh.
2797	2944	147	Ojo Alamo ss. White cr-grn s.
2944	3124	180	Kirtland form Gry sh interbedded w/tight gry fine-grn ss.
3124	3213	89	Fruitland form Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3213	3257	44	Pictured Cliffs forms Gry, fine-grn, tight, varicolored soft ss.
3257	3266	9	Lewis form. Gry, fine-grn, dense sil ss.

FOLD MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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 baling.

3214-3226; 3242-52;
(2 DJF)

Frac Pictured Cliff perf int w/32,064 gal water, 35,000 # sand. Flushed w/6300 gallons. Injection rate 21.5 B.P.M. Max. pr. 2800 #, B.D.P. 2500 #. Tr. pr. 650-1000-1250-2000 #. Dropped 3 sets of 10 balls each. Spotted 200 gal MCA before perf. Used 1 % calcium chloride in all

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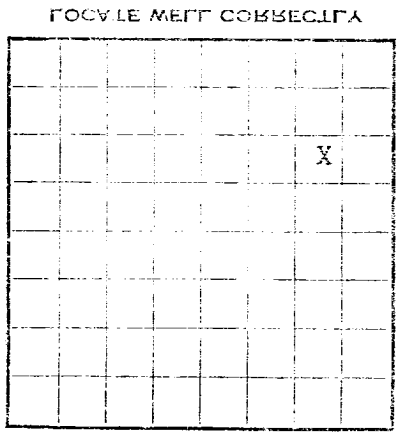

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