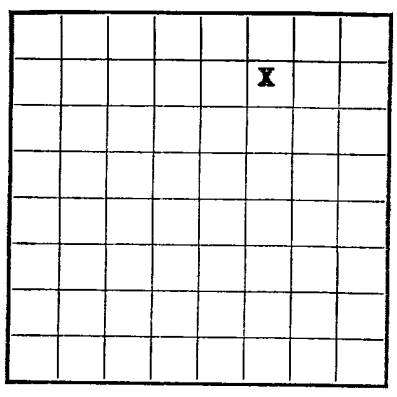
Form 9-330

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

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078498
LEASE OR PERMIT TO PROSPECT 14-08-001-459



LOCATE WELL CORRECTLY

RECEIVED
OCT 3 1956
OIL CON. COM.
DIST. 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
JUL 26 1956
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmin ton, New Mexico
Lessor or Tract San Juan 28-7 Unit Field Blanco State New Mexico
Well No. 59 Sec. 29 T. 28N R. 7W Meridian NMPM County Rio Arriba
Location 890 ft. {S.} of N Line and 1750 ft. {W.} of E Line of Section 29 Elevation 6154'
(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 W. F. Covert

Date July 25, 1956 Title Petroleum Engineer

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

Commenced drilling June 15, 19 56 Finished drilling June 25, 19 56

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2740 to 2828 (G) No. 4, from 4927 to 5065 (G)
No. 2, from 4375 to 4500 (G) No. 5, from to
No. 3, from 4500 to 4927 (G) 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
10 3/4"	32.75#	P.E.	S.W.	177'	Howco				Surface
7 5/8"	26.4#	8 RD	J-55	2902'	Howco				Intermediate
5 1/2"	15.5#	8 RD	J-55	5113'	Howco				Prod. Csg.
2"	4.7#	8 RD	J-55	5015'					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"	182'	125	Circulated		
7 5/8"	2902'	250	Single Stage		
5 1/2"	5113'	300	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 2908 feet, and from 2908 feet to 5113 feet
Cable tools were used from feet to feet, and from feet to feet

Gas Drilled

DATES

7-2-56, 19 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 5,176,000 A.O.F. 9332 MCF/D. Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 1038

EMPLOYEES

, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1888	1888	Tan to gry cr-grn ss interbedded w/gry sh.
1888	2020	132	Ojo Alamo ss. White cr-grn s.
2020	2461	441	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2461	2740	279	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
2740	2828	88	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2828	4375	1547	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4375	4500	125	Cliff House ss. Gry, fine-grn, dense sil ss.
4500	4927	427	Menefee form. Gry, fine-grn s, carb sh & coal.
4927	5065	138	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5065	5113	48	Mancos formation. Gry carb sh.

FROM— TO— TOTAL FEET FORMATION

[OVER]

16—43094-4

FORMATION RECORD—Continued

FOLD | MARK

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

FROM—	TO—	TOTAL FEET	FORMATION

FORMATION RECORD

EMPLOYEES

Dallas

Dallas

Dallas

Dallas

DATES

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

TOOLS USED

Date	Depth shot	Depth cleaned out

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth set .....

Adaptors—Material ..... Size .....

MUDDING AND CEMENTING RECORD

Size	Where set	Number sacks of cement	Method used	Mud fluid	Amount of mud used

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

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.

On 6-29-56 Perforated 4918-30, 4955-61, 4974-82, 5006-5018 w/4 shots/ft. Water fractured Point Lookout with 43,960 gallons water and 60,000# sand. Flushed with 5040 gallons. Maximum pressure 1800#, BDP 2400#, Average treating pressure 1600#. Injection rate 53.2 bbls./min.

Perforated Cliff House intervals 4380-90, 4416-26, 4454-64, 4492-4502. Water fractured with 46,450 gallons water and 60,000# sand. Flushed with 4550 gallons. Maximum pressure 1950#, BDP 0#, Average treating pressure 1800#. Injection rate 44.2 bbls./min.

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from ..... to ..... 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 .....

LOG OF OIL OR GAS WELL

FOLD AT ALL CORNERS

FORMATION	TOP	BOTTOM	TOTAL FEET

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JUL 18 1956
U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

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OCT 3 1956
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