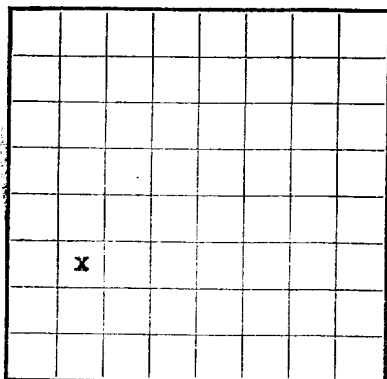


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078496
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

14-08-001-459

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Co. Address Box 997, Farmington, New Mexico
Lessor or Tract San Juan 28-7 Unit Field Blanco State New Mexico
Well No. 71 Sec. 34 T. 28N R. 7W Meridian N.M.P.M. County Rio Arriba
Location 1840 ft. [N.] of S. Line and 1150 ft. [E.] of W. Line of Sec. 34 Elevation 6191
(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.
Original Signed D. C. Johnson
Signed _____Date May 31, 1957 Title Petroleum Engineer

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

Commenced drilling 3-19, 1957 Finished drilling 4-5, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2775 to 2835 (G) No. 4, from 5013 to 5137 (G)
No. 2, from 4442 to 4567 (G) No. 5, from _____ to _____
No. 3, from 4567 to 5013 (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		Purpose
							From—	To—	
10-3/4"	32.75	P.E.	S.W.	161'	Howco				surface
7-5/8"	26.4	3 1/2	Howco	1153'	Howco				2nd Intermediate
5-1/2"	19.5	3 1/2	Howco	5163'	Howco				Producing
2"	4.7	8	Howco	5113'	Howco				Prod. log.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	171'	150	circulated		
7-5/8"	2883'	300	single stage		
5-1/2"	5163'	150	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

TOOLS USED

Rotary tools were used from 175 feet to 2885 feet, and from 2885 feet to 5165 feet
Cable tools were used from 0 feet to 175 feet, and from _____ feet to _____ feet

DATES

_____ 4-13, 1957 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 3,023,000 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1101 A.O.F. = 8695 MCF/D

EMPLOYEES

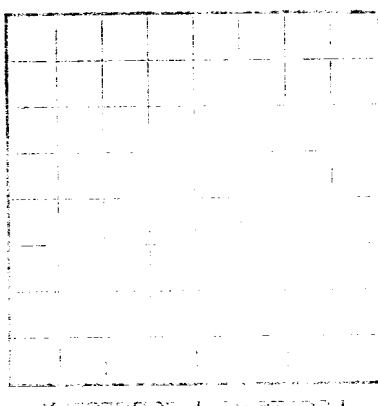
_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1915	1915	Tan to gry cr-grn ss interbedded w/gry sh.
1915	2060	145	Ojo Alamo ss. White cr-grn s.
2060	2518	458	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2518	2775	257	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
2775	2835	60	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2835	4442	1607	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4442	4567	125	Cliff House ss. Gry, fine-grn, dense sil ss.
4567	5013	446	Manefee form. Gry, fine-grn s, carb sh & coal.
5013	5137	124	Point Lockout form. Gry, very fine sil ss w/frequent sh breaks.
5137	5165	28	Mancos formation. Gry carb sh.

FORMATION RECORD—Continued

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
BUREAU OF LAND MANAGEMENT
WASHINGTON, D. C. 20548



NO OR GAS SANDS OF ZONES

4-9-57: Pert. B.T. w/ 50,500 gal. & 60,000 # sand, max. tr. pr. 2900 psi, avg. tr. pr. 1800 psi. I.R. 49.7 BHM. Flush 5000 gal. Dropped 5 groups of 55 balls each.
4-9-57: Temp. B.B. 4610. Pert. C.H. w/ 2 SIF at 4454-70: 4504-8. 4550-50. 4550-68. Water traced w/ 53,200 gal. & 60,000 # sand. Max. pr. 2250 psi, avg. tr. pr. 2100 psi, I.R. 49.7 BHM. Flush 5000 gal. Dropped one group of 55 pert balls in the middle of the treatment.
4-9-57: Temp. B.B. 4610. Pert. C.H. w/ 2 SIF at 4454-70: 4504-8. 4550-50. 4550-68. Water traced w/ 53,200 gal. & 60,000 # sand. Max. pr. 2250 psi, avg. tr. pr. 2100 psi, I.R. 49.7 BHM. Flush 5000 gal. Dropped one group of 55 pert balls in the middle of the treatment.
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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 pigs 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

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

[illegible]