

Santa Fe

U. S. LAND OFFICE

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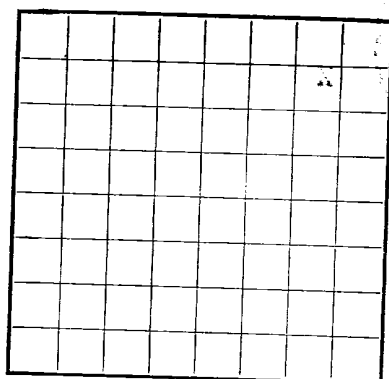
SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

14-08-001-459

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract San Juan 28-7 Unit Field So. Blanco P.C. Exp. State New Mexico
Well No. 88(1M) Sec. 10 T. 27N R. 7W Meridian N.M.P.M. County Rio Arriba
Location 830 ft. N. of N Line and 1100 ft. E. of E Line of Section 10 Elevation 6561
(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.

Date August 8, 1958Signed Original Signed D. C. JohnstonTitle Petroleum Engineer

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

Commenced drilling 5-28-, 19 58 Finished drilling 8-13-, 19 58

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3143 to 3242 (G) No. 4, from 5382 to 5555 (G)
No. 2, from 4834 to 4904 (G) No. 5, from _____ to _____
No. 3, from 4904 to 5382 (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"	26.40	6 Rd.	J-55	3323'	Baker				Prod. csg.
5 1/2"	15.50	6 Rd.	J-55	2336'	Baker				Prod. liner
2"	4.7	6 Rd.	J-55	5497'					
1 1/4"	2.4	6 Rd.	Grade A	3186'					Prod. tbq. Siphon

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	173'	150	circulated		
7 5/8"	3333'	200	single stage		
5 1/2"	3243-5585'	300	single stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size Guiberson 4kr. C 3307"

SHOOTING RECORD

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

TOOLS USED

Gas Drilled

Rotary tools were used from 175 feet to 3333 feet, and from 3333 feet to 5586 feet
Cable tools were used from 0 feet to 175 feet, and from _____ feet to _____ feet

DATES

6-22-, 19 58 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 PC 1,822,000

Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. P.C. 1047A.O.B. P.C. 1862M.V. 1091M.V. 3250 MCF/D

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
C	2324	2324	Tan to gry cr-grn ss interbedded w/gry sh.
2324	2463	139	Ojo Alamo ss. White cr-grn s.
2463	2926	463	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
2926	3143	217	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
3143	3242	99	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3242	4834	1592	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4834	4904	70	Cliff House ss. Gry, fine-grn, dense sil ss.
4904	5382	478	Menefee form. Gry, fine-grn s, carb sh & coal.
5382	5555	173	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5555	5586	31	Nancos formation. Gry carb sh.

FORMATION RECORD—Continued[illegible]

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.

6-15-58 Perf. P.L. 5384-94, 5404-24, 5434-48, 5456-76, 5490-5510 w/2 sh/ft. Frac. w/60,000 gal. water and 60,000# sand. Flush w/8800 gal. I.R. 65 B.P.M. Form. broke at 1400#, tr. pr. 1000-1100-1200-1400-2200#, max. pr. 2200#. Dropped 6 sets of 25 balls for a 7 stage frac. Set B.P. at 5250'.

6-16-58 Perf. Cliff House 4894-4904 w/6 DJ/ft. Frac. w/20,000 gal. water and 20,000# sand. Flush w/8200 gal. I.R. 53 B.P.M. Form. broke 1400# after spotting 500 gal. mud acid on perf. Max. pr. 2400#, tr. pr. 2400-2200-2000#. Dropped no balls. Set B.P. at 4780'.

Perf. P.C. 3144-64, 3188-3200 w/2 sh/ft. Frac. w/40,000 gal. water and 40,000# sand. Flush w/6400 gal. I.R. 41 B.P.M. Form. broke at 2500#, tr. pr. 1800-1600-2200-2700-3500#. Dropped 5 sets of 10 balls for a 6 stage frac.

DOE 06-047 THE 07% ALERT