

U. S. LAND OFFICE ----- **New Mexico**
SERIAL NUMBER ----- **02874-A**
LEASE OR PERMIT TO PROSPECT -----

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico

Lessor or Tract Amerisano Unit Field Wildcat State New Mexico

Well No. 104 (GD) Sec. 17 T. 26N R. 10W Meridian N.M.P.M. County San Juan

Location 990 ft. N. of S. Line and 990 ft. E. of W. Line of Sec. 17 Elevation 6544'
(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 J. J. TULLERSON

Date March 3, 1959 Title Petroleum Engineer

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

Commenced drilling 10-27-58, ~~xx~~ Finished drilling 11-25, 19 58

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

(Denote gas by G)

No. 1, from 1998 to 2068 (G)	No. 4, from 7521 to 6032 (G)
No. 2, from 2880 to 3530 (G)	No. 5, from 6505 to 6737 (G)
No. 3, from 3530 to 4590 (G)	No. 6, from to

IMPORTANT WATER SANDS

No. 1, from _____ to _____

No. 2, from _____ to _____

No. 3, 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.	353'	Howco				Surface
7 7/8"	26.40	8 Rd.	J-55	353'					Intermediate
7 7/8"	26.40	8 Rd.	J-55	353'	Waker				Prod. Liner
5 1/2"	17.0	8 Rd.	J-55	305'	Debut				Prod. tbg.
2"	4.7	8 Rd.	J-55	6635'					Prod. tbg.
2"	4.7	8 Rd.	J-55	5865'					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"	363'	250	Single Stage		
7 5/8"	597 1/4'	430	Two Stages		
5 1/2"	5936-6741'	300	Single Stage		

PLUGS AND ADAPTERS

PLUGS AND ADAPTERS

Heaving plug—Material ----- Length ----- Depth set -----

Adapters—Material ----- Size ----- **Baker Model "D" Packer at 5909'**

SHOOTING RECORD

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

See Well History

TOOLS USED

TOOLS USED

Rotary tools were used from 0 feet to 6742 feet, and from _____ feet to _____ feet

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

DATES

----- Jan. 12 -----, 1955 ----- Put to producing -----, 19-----
The production for the first 24 hours was ----- 188 ----- barrels of fluid of which ----- 100 ----- % was oil; ----- %
emulsion; ----- % water; and ----- % sediment. Gravity, °Bé. -----

If gas well, cu. ft. per 24 hours ~~105,417,000~~ Gallons gasoline per 1,000 cu. ft. of gas -----

Rock pressure, lbs. per sq. in. ~~D-1915~~----- Dak.-A.O.F.--6863 MCF/D

EMPLOYEES

EMPLOYEES

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

FORMATION RECORD

FORMATION RECORD			FORMATION
FROM--	TO--	TOTAL FEET	
0	1005	1005	Tan to gry cr-grn ss interbedded w/gry sh.
1005	1137	132	Ojo Alamo ss. White cr-grn s.
1137	1748	611	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
1748	1998	250	Fruitland form. Gry carb sh, scattered coals, coals and gry, tight, fine-grn ss.
1998	2068	70	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
2068	2880	812	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
2880	3530	650	Chacra form. Gry fn grn silty, glauconitic sd stone with drk gry shale.
3530	3641	111	Cliff House ss. Gry, fine-grn, dense sil ss.
3641	4496	855	Menefee form. Gry, fine-grn s, carb sh & coal.
4496	4590	94	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
4590	5521	931	Mancos formation. Gry carb sh.
5521	6032	511	Gallup form. Lt gry to brn calc carb micac shaly very fine gry ss w/irreg interbed sh.
6032	6396	364	Santonian form. Dk gry calc very fine to fine gry ss w/calc veins w/irreg inter drk gry s.
6396	6450	54	Greenhorn form. Highly calc gry sh w/thin lsst
6450	6505	55	Greenhorn form. Dk gry shale, fossil & carb w/prite incl.

FORMATION RECORD-Continued

FROM-	TO-	TOTAL FEET	FORMATION
6505	6737	232	Devonian form. It to dr grey loess carb sl calc at ally ss w/pvrite incl thin sh beads clay & shale breaks.
6737	6742	5	Horstian form. Interbed grn brn and red waxy sh & tr to cr grn sd.

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.

12-12-58

12-18-58

12-21-58

12-29-58

11-18-58

Date
11-11-58
11-14-58
11-15-58
11-18-58
11-20-58
11-20-58
11-21-58

D S T
Rec.
6500-6590
5742-5930
5795-5930
5570-5662
5670-5700
5667-5703
Hit bridges.

Recovery
112' G-C-M
MIS RUN
Packer failure
60' p mud
Packer failure
MIS RUN. Packer failure

Spotted 300 gal. NDA & oil frac part. Int. 6626-6636 w/4 DJ/IT w/ 44,520 gal. oil & 45,000# sand. NDA 2800#, max. pr. 3000#, T.P. 2800#. I.R. 52.5 RM. Plumb 12,600 gallons oil. COTD 6698'. Spotted 300 gal. NDA & oil frac part. Int. 6516-6524; 6556-6570; 6578-6586 w/4 DJ/IT. w/60,000 gal. oil & 60,000# sand. NDA 2200#, max. pr. 3200#, T.P. 2800-2900+3000#. I.R. 46 RM. Plumb w/14,700 gal. oil. B.R. @ 6613'. 80 balls in 2 sets for 3 stages. Set B.R. @ 6003'. Spotted 600 gal. NDA. Part. 5702-5714; 5720-5726; 5800-5806 w/4 DJ/IT. 5758-5770; 5778-5794; 5824-5840; 5864-5874; w/2 DJ/IT. w/60,000 gal. oil & 65,000# sand. Plumb w/13,650 gal. oil. I.R. 67 RM. Max. pr. 3000#, RDP 1500#, T.P. 2000-1900-2200-3000#. Dropped 140 balls in 4 sets for 5 stages. Set B.R. @ 5670'. Spotted 300 gal. NDA. Part. Upper callup 5580-5600; 5606-5614; 5639-5647; 5696-5648 w/4 DJ/IT. Traced w/60,000 gal. oil & 60,000# sand. Plumb w/12,600 gallons oil. I.R. 55 RM. Max. pr. 3300#, RDP 2500#, T.P. 2300-2500-2600-2800-3100#. Dropped 150 balls in 4 sets for 5 stages.

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BUREAU OF LAND MANAGEMENT
UNITED STATES

FORM OF OIL OR GAS WELL