



U. S. LAND OFFICE
SERIAL NUMBER 030212
LEASE OR PERMIT TO PROSPECT

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
FARMINGTON NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Products Co. Address Box 1500, Farmington, New Mexico
Lessor or Tract Malco Copple Field Verde Gallup State New Mexico
Well No. 7 Sec. 5 T. 30N R. 10W Meridian N.M.P.M. County San Juan
Location 1980 ft. N. of S. Line and 1930 ft. E. of W. Line of Section 5 Elevation 5331'
(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 BY: JOSEPH E. KREGER

Date December 12, 1953 Title Petroleum engineer

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

Commenced drilling June 7, 1953 Finished drilling October 14, 1953

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 3230' to 3250' No. 4, from 3520' to 3647'
No. 2, from 3330' to 3350' No. 5, from _____ to _____
No. 3, from 3410' to 3450' 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-	
10-3/8"	43.00	8 Ra.	J-55	129	Baker				Surface Csg.
8-1/2"	30.00	8 Ra.	J-55	322	Baker		3220'	3250'	Prod. Csg.
8-1/2"	16.50	Acme	Slotted Liner	139	Baker				Prod. Liner

MUDDING AND CEMENTING RECORD

FOLD MARK

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/8"	130	100	Circulated		
8-1/2"	3223	1st stage - 100	Two-stage		
8-1/2"	3407-3410	2nd stage - 100			

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 _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 3647 feet, and from _____ feet to _____ feet

DATES

_____ November 7, 1953 Put to producing _____ December 2, 1953
The production for the first 24 hours was 20 barrels of fluid of which 100% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, 36.0 API 40.3
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

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

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	712	712	Lewis Form. Gy. to white ss. sh. w/silty to shaley ss breaks.
712	857	125	Cliff House Form. Gy., sh., silty ss.
857	1550	713	Menefee Form. Gy., sh., carb. shale & coal.
1550	2130	580	Point Lookout Form. Gy., v. fin. silty ss w/frequent shale breaks.
2130	3348	1218	Mancos Form. Gy. carb. shale.
3348	3647	299	Gallup Form. Lt. gy. to brn. calc. carb. micaceous glauconitic. Very fin. to med. gr. ss. w/irreg. interbedded shale.

TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Approved Bureau No. 42-33004
 Approved Expires 12-31-40
 U. S. LAND OFFICE
 SERIAL NUMBER
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY
 WASHINGTON, NEW MEXICO



Company _____
 Lessor or Tract _____
 Well No. _____ Sec. _____ T. _____ R. _____
 Location _____ of _____ of _____
 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 _____
 Date _____

The summary on this page is for the condition of the well at above date
 Commenced drilling _____, 19____
 Finished drilling _____, 19____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____
No. 2, from _____ to _____

CASING RECORD

Casing	Size	Weight	Threads	Male	Amount	Kind of shoe	Cut and packed from	Perforated	Exposure
SEE TOP OF PAGE FOR WELL HISTORY.									

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of re-drilling, 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 balling.

HISTORY OF OIL OR GAS WELL

MUDDING AND CEMENTING RECORD

Where set	Number sacks of cement	Method used	Mud weight	Amount of mud used

PLUGS AND ADAPTERS

Heaving plug - Material	Length	Size	Depth set

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth above	Depth cleared out

TOOLS USED
 Rotary tools were used from _____ feet to _____ feet and from _____ feet to _____ feet.
 Cable tools were used from _____ feet to _____ feet.

DATES
 Put to producing _____, 19____
 The production for the first 24 hours was _____ barrels of fluid of which _____ was oil.
 If gas well, cu. ft. per 24 hours _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES
 Driller _____
 Driller _____

FORMATION RECORD

FROM -	TO -	TOTAL FEET	FORMATION
10-14-38	50F openhole 3528'-3647' with 20' 160 gals. oil and 20,000# sand; flush w/3780 gals. oil; IR--40.0 bpm.; BOP--1600; ATP--1450; MTP--1600.		
10-18-38	50F openhole 3528'-3570' w/21,470 gals. oil and 15,000# sand; flush w/3780 gals. oil; IR--36.3 bpm.; MTP--1600; BOP--1800; ATP--1500.		
10-21-38	50F perforations 3230'-50'; 3330'-50'; 3410'-36' w/15,960 gals. oil and 20,000# sand; flush w/3780 gals. oil; IR--41.0 bpm.; MTP--1625; BOP--1500; ATP--1550; dropped 20 balls two times; set bridge plug @ 3450'.		

FORMATION RECORD—Continued

GRAM GLOF