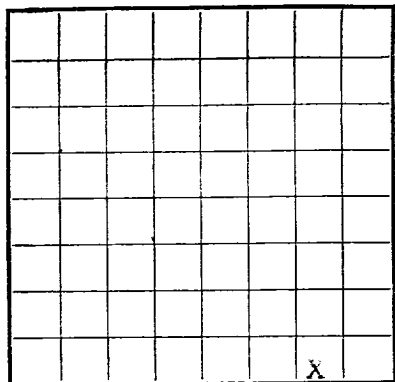


Form 9-330



U. S. LAND OFFICE SF
SERIAL NUMBER 081299
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
GEOLOGICAL SURVEY
PERMIT TO PROSPECT
NEW MEXICO

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Products Co. Address Box 1565, Farmington, New Mexico
Lessor or Tract Williams Field Horseshoe Gallup State New Mexico
Well No. 2 Sec. 11 T. 30N R. 16W Meridian NMPM County San Juan
Location 330 ft. N of S Line and 990 ft. E of E Line of Section 11 Elevation 5466
(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: WILLIAM K. GLAENER

Date July 9, 1959 Title Petroleum Engineer

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

Commenced drilling 5-23, 1959 Finished drilling 6-6, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2494 to 2528 No. 4, from 2528 to 2528
No. 2, from 2602 to 2619 No. 5, from 2619 to 2619
No. 3, from 2619 to 2619 No. 6, from 2619 to 2619

IMPORTANT WATER SANDS

No. 1, from 2528 to 2528 No. 3, from 2528 to 2528
No. 2, from 2619 to 2619 No. 4, from 2619 to 2619

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8	34.0	8	New	112	Baker	2494	2602	2619	Surface
5-1/2	26.5	8	New	2632	Baker	2619	2619	2619	Production
HISTORY OF OIL OR GAS WELL									
10-13004-5 6-4 DEPARTMENT MINING OFFICE									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	120	125	Circulated		
5-1/2	2645	100	Circulated		

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 0 feet to 2650 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

6-18, 1959 Put to producing 7-5, 1959
The production for the first 24 hours was 58 barrels of fluid of which 100% was oil; _____%
emulsion; _____% water; and _____% sediment. Gravity, °Bé XX 40.8° API
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	1105	1105	Menefee formation, Gy. FG, sd, carb. sh & coal
1105	1182	77	Point Lookout formation, Gy. fn, silty ss. w/frequent shale breaks.
1182	1527	345	Mancos formation, Gy. carb. sh.
1527	2268	741	Siltstone formation, Gy to brn., hd, tgt, shaley
2268	2458	190	Upper Gallup formation, Shale, gy-blk. calc. w/aragonite inclusion
2458	2632	174	Lower Gallup formation, Lt. gy to brn. calc. carb. micaceous glauconitic. v/fn. to med gr. ss. w/irreg. interbedded shale.
2632	2649	17	Sanastee formation, Dk. gy. calc. v/fn. to fn. gy. ss. w/calc. veins, w/irreg. inbd. dk gy. sd.
2649			

FORMATION RECORD—Continued

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 BY: WILLIAM A. BLAIR

Location and Date of _____ of _____
Well No. _____ Sec. _____ T. _____ R. _____ Meridian _____
Lessor or Trust _____
Field _____ State _____
Address _____

ON THE BASIS OF ZONES

(D) $\frac{1}{2}$ and $\frac{1}{3}$

No.	Date	Description	Amount	Total
6-17-59		SOF perfs. 2602-2619 w/27, 100 gal. oil, IR: 55.4 bbl/min. MTP 1400 psi. BDP 1400 psi. ATP 120 psi. sand. Flush with	100	100
6-18-59		SOF perfs 2494-2528 w/27, 930 gal. oil, 30,000# (20-40) sand. Flush with	930	930
		IMPORTANT WATER SANDS		
		Injected 25 rubber balls thru cr., 100 psi. increase.	100	100
		OIL CON.		
		Injected 24 rubber balls thru cr., 100 gal increase.	100	100
		Oil Con.		

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 "struck" or set in the well, give date and location. If the well has been dismantled, give date, size, position, and number of shots. If pipes or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

Weight per foot	Mark	Amount	Kind of shoe	Cut and boring (see Form 1)	From To	Perforated	Barrels

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

[illegible]

FORMATION RECORD—Continued

197-EB7