

U. S. LAND OFFICE **SF**
SERIAL NUMBER **078899-A**
LEASE OR PERMIT TO PROSPECT

JUN 7 1961

UNITED STATES

JUN 0
1957 3

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Products Co. Address Box 1560, Farmington, New Mexico
 Lessor or Tract Western Pool Unit Field Basin Dakota State New Mexico
 Well No. 1-C Sec. 20 T. 26N R. 11W Meridian NMPM County San Juan
 Location 990 ft. N of N Line and 990 ft. W of E Line of Section 20 Elevation 6191'

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: VAN E. DYKES

Date June 5, 1961 Title Petroleum Engineer

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

Commenced drilling March 29 19 61 Finished drilling April 10 19 61

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6006° to 6042° No. 4, from to
No. 2, from to No. 5, from to
No. 3, from to 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—	
9-5/8"	34.00	2 P.I.	J-55	156'	Perforated				Surface Production
5-1/2"	13.50	3 P.I.	J-55	6234'	Perforated		6006'	6042'	
						4 holes		3125'	Squeeze

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	167'	150	Pump-Plug		
5-1/2"	6235'	200	Pump-Plug		
		88	Pump		
		28	Pump		

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 0 feet to 6235 feet, and from feet to feet

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

DATES

----- **May 13** -----, 19**61**

Put to producing ----- **Shut-In for Pipeline Connection** -----, 19**61**

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 7,451,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. ----- 3 Hr. Open Flow Through 2 1/4" Choke

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
380	495	115	Ojo Alamo: White, coarse grained sand.
495	1165	670	Kirtland: Gy. sh. inbd. with tight gy. FG ss.
1165	1406	241	Fruitland: Gy. carb. sh., scat. coals, coals & gy. tight FG ss.
1406	1560	154	Pictured Cliffs: Gy., FG, tight varicolored soft ss.
1560	2276	716	Lewis: Gy. to white ds. sh. w/silty to shaly ss. breaks.
2276	4127	1851	Mesa Verde: Gy., FG, ds. silty ss., carb. shale and coal.
4127	4953	826	Mancos: Gy. carb. shale.
4953	5258	305	Gallup: Lt. gy. to brn. calc. carb. micac. glauco. V/in. to med. gr. ss. w/irreg. inbd. shale.
5258	5840	582	Lower Mancos: Gy. carb. shale.
5840	5900	60	Greenhorn: Highly calc. gy. sh. w/thin ls.
5900	6005	105	Graueros: Dk. gy. sh., fossil & carb. w/pyrite incl.
6005	6230	225	Dakota: Lt. to dk. gy. foss. carb. sl/calc. sl./silty ss. w/pyrite inclusion, thin sh. bands clay and shale breaks.
			TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.

TOPS ARE FROM ELECTRIC LOGS
AND RADIOACTIVITY LOGS.

FORMATION RECORD—Continued

FROM-	TO-	TOTAL FEET	FORMATION
			1. 0-10' Sandstone, medium to coarse, brownish gray, massive, slightly silty, with thin layers of siltstone. 2. 10-20' Sandstone, medium to coarse, brownish gray, massive, slightly silty, with thin layers of siltstone. 3. 20-30' Sandstone, medium to coarse, brownish gray, massive, slightly silty, with thin layers of siltstone. 4. 30-40' Sandstone, medium to coarse, brownish gray, massive, slightly silty, with thin layers of siltstone. 5. 40-50' Sandstone, medium to coarse, brownish gray, massive, slightly silty, with thin layers of siltstone. 6. 50-60' Sandstone, medium to coarse, brownish gray, massive, slightly silty, with thin layers of siltstone. 7. 60-70' Sandstone, medium to coarse, brownish gray, massive, slightly silty, with thin layers of siltstone. 8. 70-80' Sandstone, medium to coarse, brownish gray, massive, slightly silty, with thin layers of siltstone. 9. 80-90' Sandstone, medium to coarse, brownish gray, massive, slightly silty, with thin layers of siltstone. 10. 90-100' Sandstone, medium to coarse, brownish gray, massive, slightly silty, with thin layers of siltstone.

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 "sidelacked" 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.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-58084-2

5-9-61 Perforated 4 holes at 5125'. New Baker full bore to 4805'. Pumped 88 sacks

cement through perforations.

Run full core packer to 4805. Pumped 28 sacks cement into formation.

Dried cement, tested casing to 3100 psi, held 30 minutes.

SOI INTERVAL 6006'-6042" WITH 41,202 GALS. LEASE CRUDE AND 50,000# (20-40)

oil. Injection Rate: 45.8 lbs./Min. Maximum reading pressure 3400 psi;

STP 1600: Approved as policy twice for 2 studies.

Three hour open flowed through 3/4" choke at rate of 1,000 mhd/hr. - 0.000