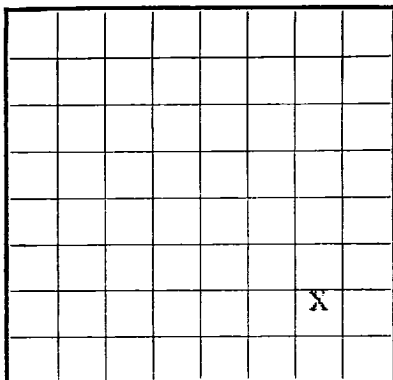


U. S. LAND OFFICE SF
SERIAL NUMBER 078858
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**RECEIVED**
MAY 23 1958
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.**LOG OF OIL OR GAS WELL**Company El Paso Natural Gas Products Co. Address Box 1563, Farmington, New Mexico
Lessor or Tract Sullivan Field Undesignated State New Mexico
Well No. 3-F Sec. 32 T. 27N R. 12W Meridian NMPM County San Juan
Location 660 ft. N of S Line and 660 ft. W of E Line of Section 32 Elevation 5940'
(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 JOSEPH E. KREGERDate May 22, 1958 Title Petroleum Engineer

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

Commenced drilling 2-27, 1958 Finished drilling 3-13, 1958**OIL OR GAS SANDS OR ZONES**

(Denote gas by G)

No. 1, from 5012' to 5044' No. 4, from _____ to _____
No. 2, from 5061' to 5094' 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—	
10-3/4"	32.75#	P. E.	S. W.	161'	Baker				Surface Csg.
5-1/2"	16.30#	2 Rd.	J-35	5150'	Baker		5012'	5094'	Prod. Csg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	173'	125	Circulated		
5-1/2"	5163'	300	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material Baker ECJ Prod. Packer Size 2-3/8" X 5-1/2" set at 4955'**SHOOTING RECORD**

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

TOOLS USEDRotary tools were used from 0 feet to 5166 feet, and from _____ feet to _____ feet

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

DATES~~March 25~~, 1958 Put to producing May 15, 1958The production for the first 24 hours was 53 barrels of fluid of which 100% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. 9 A.P.I. 40.0

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	208	208	Ojo Alamo ss. White, coarse grained sand.
208	830	622	Kirtland form. Gy. sh. inbd. with tight gy. FG ss.
830	1245	415	Fruitland form. Gy. carb. sh., scat. coals, coals & gy. tight FG ss.
1245	1356	111	Pictured Cliffs form. Gy., FG, tight, varicolored soft ss.
1356	2102	746	Lewis form. Gy. to white ds. sh. w/silty to shaley ss. breaks.
2102	3767	1665	Mesa Verde form. Gy., FG, ds. silty ss., carb. shale and coal.
3767	3972	205	Point Lookout form. Gy., v/fn. silty ss. w/frequent shale breaks.
3972	4832	860	Mancos form. Gy. carb. sh.
4832	5166	334	Gallup form. Lt. gy. to brn. calc. carb. micaceous glauconitic. Very fn. gr. ss. w/irreg. interbedded shale.
			TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.

FORMATION RECORD—Continued

[illegible]

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 bailing.

HISTORY OF OIL OR GAS WELL

COVERS

3-10-58	4830'-68"	Recovered 36'	INVESTIGATION OF THE SANDS
3-11-58	4868'-90"	Recovered 22'	
3-12-58	5004'-55"	Recovered 51'	
3-13-58	5055'-9106"	Recovered 64'	

SANDOIL FRACTURE

Sandoll fractured perf. interval 5061' - 5094' with 44,670 gal. oil.
40,000# (20-40) sand. fluid 5/100 gal. oil. IR - 40.9 pbls./min.
Maximum fracture pressure 1800 psi, breakdown pressure -

Total Depth - 5166'; Temporary Bridge Pile at 5032'.
Sandon fractured belt. Interval 5012' - 5044' with 44,900 gal. oil.

Breakdown Pressure 2660 psi.; Maximum Treating Pressure 2700 psi.;

[illegible]