



U. S. LAND OFFICE **SF**
SERIAL NUMBER **078872-A**
LEASE OR PERMIT TO PROSPECT

UNITED STATES
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 **Frontier "B"** Field **Undesig. Gallup** State **New Mexico**
Well No. **5-B** Sec. **9** T. **27N** R. **11W** Meridian **N&PM** County **San Juan**
Location **660** ft. **RP** of **N** Line and **660** ft. **EX** of **E** Line of **Section 9** Elevation **6227**
(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: JOHN J. STROJER**
Date **September 23, 1960** Title **Petroleum Engineer**

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

Commenced drilling **July 11**, 19**60** Finished drilling **July 24**, 19**60**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **5923'** to **5939'** No. 4, from _____ to _____
No. 2, from **5989'** to **6000'** 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"	36.0#	8 Rd.	J-55	158'	Tecum Pat.				Surf. Csg.
5-1/2"	15.5#	8 Rd.	J-55	6067'	Tecum Pat.		5923	5939	Prod. Csg.
							5989	6000	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	170'	150	Circulated		
5-1/2"	6078'	200 - 1st stage 100 - 2nd stage	Pump & Plug		

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 **6078** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

August 9, 19**60** Put to producing **September 19**, 19**60**
The production for the first 24 hours was **158** barrels of fluid of which **100**% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, ^{°Bé.} **42.2** ^{°API} **42.2**
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	900	900	Ojo Alamo: White, cse. grained sand.
900	989	89	Kirtland: Gy. sh. lmbd. w/tight gy. FG ss.
989	1800	811	Fruitland: Gy. carb. sh., scat. coals, coals & gy. tight FG ss.
1800	2005	205	Pictured Cliffs: Gy. FG, tight, varicolored soft ss.
2005	2100	95	Lewis: Gy. to white ds. sh. w/wilty to shaly ss. breaks.
2100	2923	823	Mesa Verde: Gy., FG, ds. silty ss., carb. shale and coal.
2923	4460	1537	Point Lookout: Gy., v/fn. silty ss. w/freq. shale breaks.
4460	4710	250	Wancos: Gy. carb. shale.
4710	5575	865	Gallup: Lt. gy. to brn. calc. carb. micaceous glauconitic. V/fn. to med. gr. ss. w/irreg. lmbd. shale.
5575	5915	40	Huerfano: Fine to medium grained sandstone.
5915	5990	75	Tocito:Fn. to MG sub angular to sub round clr. quartz sand glauconite lt. ga. to tan.
5990	6050	60	Sanstee: Dk. gy. calc. v/fn. to fn. gy. ss. w/calc. veins, w/irreg. lmbd. dk. gy. sd.

TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.

