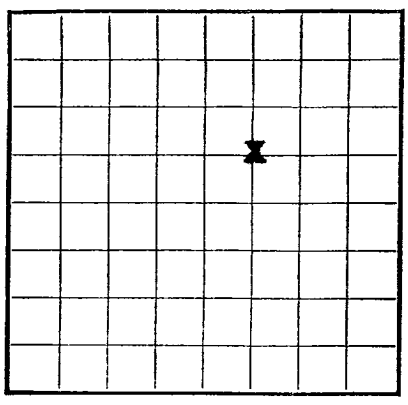
Form 9-330



LOCATE WELL CORRECTLY

RECEIVED
AUG 28 1963
OIL CON. COM.
DIST. 3

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE SF
SERIAL NUMBER 078677
LEASE OR PERMIT TO PROSPECT Unit #14-08-001-1059

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Products Co. Address P.O. Box 1560, Farmington, New Mexico

Lessor or Tract Canyon Largo Unit Field Devils Fork Gallup State New Mexico

Well No. 131 Sec. 9 T. 24N R. 6W Meridian NMPM County Rio Arriba

Location 1850 ft. {N./S.} of N Line and 1850 ft. {E./W.} of E Line of Section 9 Elevation 6699'
(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. STROJEK

Date August 26, 1963 Title Petroleum Engineer

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

Commenced drilling July 11, 1963 Finished drilling July 22, 1963

OIL OR GAS SANDS OR ZONES

No. 1, from 5788' to 5820' 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 From—	Perforated To—	Purpose
8-5/8"	24.00#	8 rnd.	J-55	162'	Tex. Pattern				Surface
4-1/2"	10.50#	8 rnd.	J-55	5849'	Tex. Pattern		5788'	5796'	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	173'	150	Circulated		
4-1/2"	5849'	150 - 1st Stage	Pump and		
		100 - 2nd Stage	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 5850 feet, and from ____ feet to ____ feet

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

DATES

August 10, 1963 Put to producing August 22, 1963

The production for the first 24 hours was 88 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment.

Gravity, °Bé. XXX 39.5° 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	1715	1715	Wasatch Fm: Tan to gray coarse grained ss. interbedded with gray shale.
1715	1925	210	Ojo Alamo ss: White, coarse grained sand.
1925	2057	132	Kirtland Fm: Gy. sh. inbd. with tight gy. FG ss.
2057	2305	248	Fruitland Fm: Gy. carb. sh., scat coals, coals & gy. tight FG ss.
2305	2390	85	Pictured Cliffs ss: Gy., FG, tight, varicolored soft ss.
2390	3825	1435	Lewis sh: Gy. to white ds. sh. w/silty to shaly ss. breaks.
3825	3918	93	Cliff House ss: Gy., FG, ds. silty ss.
3918	4514	596	Menefee Fm: Gy., FG sd., carb. sh. & coal.
4514	4768	254	Point Lookout ss: Gy., v/fn. silty ss with frequent shale breaks.
4768	5588	820	Mancos sh: Gy. carb. shale.
5588	5850	262	Lower Gallup ss: Lt. gy. to brn. calc. carb. micaceous glauconitic. Very fn. to med. gr. ss. w/irreg. inbd. shale.
			TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.

[OVER]

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

HISTORY OF OIL OR GAS WELL

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 shot 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 rigs or bridges were put in to test for water, state fully. Describe material used, position, and results of pumping or bailing.

7-22-63 **Core No. 1 5778'-5801' Cut 23', Recovered 23', 14' sand & 9' shale.**

8-9-63 **Swabbed fractured Gallup perforated interval 5781'-5796' with 66,570 gallons lease crude and 70,000# sand with 0.05#/Gal. Adomite Mark II. Flushed with 4060 gals. lease crude. Injection Rate: 27.7 BPM. Breakdown Pressure 2850psi, Maximum Treating Pressure 2800 psi, Average Treating Pressure 2700 psi. Spotted 250 Gals. of 15% MCA ahead of frack job.**

8-23-63 **Initial Potential: Flowed 60 BOPD, 66 MCFD, GOR 900:1; FTP 50, FCP 540, 22/64" Choke.**