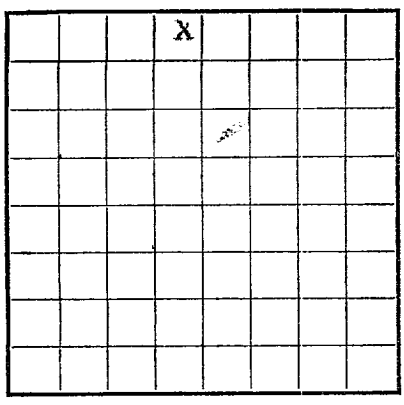
Form 9-330

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

U. S. Land Office Navajo Tribal
Serial Number 14-20-603-2037
Lease or Permit to Prospect



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Products Co. Address Box 1565, Farmington, New Mexico

Lessor or Tract Chimney Rock Field Horseshoe Gallup State New Mexico

Well No. 11-A Sec. 25 T. 31N R. 17W Meridian NMPM County San Juan

Location 330 ft. {N./S.} of N Line and 2310 ft. {E./W.} of W Line of Section 25 Elevation 5664'
(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: J. SEAY E. ALLEN

Date June 22, 1959 Title Petroleum Engineer

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

Commenced drilling April 22, 19 59 Finished drilling May 3, 19 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1436' to 1594' 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#	8 Rd	Lone Star	106'	Baker				Surf. Csg.
5-1/2"	15.5#	8 Rd	Lone Star	1560'	Baker		1436'	1664'	Prod. Csg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	106'	100	Circulated		
5-1/2"	1573'	100	Single Stage		

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 1574 feet, and from ____ feet to ____ feet

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

DATES

May 27, 19 59 Put to producing June 8, 19 59

The production for the first 24 hours was 113 barrels of fluid of which 100 % was oil; ____ % emulsion; ____ % water; and ____ % sediment.

Gravity, °Bé. ____ API 40.3

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	1190	1190	Mancos Form. Gy. carb. shale.
1190	1533	343	Gallup Form. Lt. gy. to brn. calc. carb. micaceous glauconitic. Very fn. to med. gr. ss. w/irreg. interbedded shale.
1533	1574	41	Sanastee Form. Dk. gy. calc. v/fn. to fn. gy. ss. w/calc. veins, w/irreg. inbd. dk. gy. sd.

TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.

[OVER]

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

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 "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.

SANDOIL FRACTURE

5-16-59 SOF perf. int. 1486'-1504' with 30,700 gals. oil and 10,000# (20-40) sand. Flush [illegible] bbls./min. MTP--1900 psi.; BOP--2000 psi.; ATP--1500 psi. Injected 18 rubber balls halfway through treatment, 750 psi. increase.

5-17-59 SOF perf. int. 1410'-1432' with 19,934 gals. oil and 20,000# (20-40) sand, flush 1700 gals. oil @ 40.5 bbls./min. MTP--2400 psi.; BOP--1500 [illegible] 22 rubber balls halfway through treatment, 850 psi. increase.

5-24-59 Squeeze off perforations 1410'-1432' with [illegible] sacks neat cement. Tested with 1000#. Held O.K.