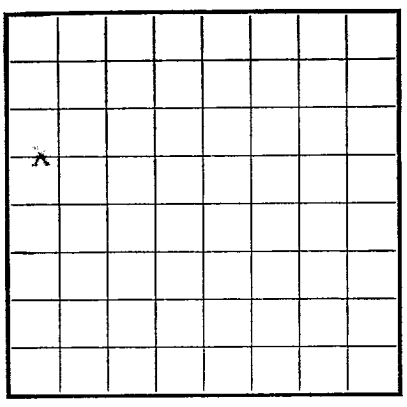
Form 9-330

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

U. S. LAND OFFICE SF
SERIAL NUMBER 078621
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

RECEIVED FEB 16 1959 OIL CON. COM. DIST. 3

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED FEB 12 1959 U.S. GEOLOGICAL SURVEY FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Products Co. Address Box 1565, Farmington, New Mexico
Lessor or Tract Brookhaven Field Bisti-Lower Gallup State New Mexico
Well No. 5-A Sec. 29 T. 25N R. 10W Meridian NMPM County San Juan
Location 2080 ft. {N.} of N Line and 560 ft. {E.} of W Line of Section 29 Elevation 6661'
(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: JOSEPH E. KREGER
Date February 10, 1959 Title Petroleum Engineer

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

Commenced drilling November 7, 1958 Finished drilling November 16, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5170 to 5184 No. 4, from to
No. 2, from 5196 to 5214 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
10-3/4"	32.75	8 Rd.	J-55	165	Baker				Surface Csg.
5-1/2	15.50	8 Rd.	J-55	5275	Baker		5170	5214	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"	179	125	Circulated		
5-1/2"	5286	300	Single Stage		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Baker Model EOJ Prod. Packer Size 2-3/8" X 5-1/2" @ 5075'

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 5290 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

December 9, 1958 Put to producing January 9, 1959

The production for the first 24 hours was 309 barrels of fluid of which 100% was oil; %
emulsion; % water; and % sediment. Gravity, °Bé. °API 40.4

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	663	663	Interbedded sandstone and shale.
663	805	142	Ojo Alamo ss. White, coarse grained sand.
805	1333	528	Kirtland Form. Gy. sh. intbd. with tight gy. FG ss.
1333	1542	209	Fruitland Form. Gy. carb. sh., scat. coals, coals & gy. tight FG ss.
1542	1665	123	Pictured Cliffs Form. Gray, FG, tight, vari-colored soft ss.
1665	2351	686	Lewis Form. Gy. to white ds. sh. w/silty to shaley ss. breaks.
2351	3994	1643	Mesa Verde Form. Gy., FG, ds. silty ss., carb. shale and coal.
3994	4205	211	Point Lookout Form. Gy., v/fn. silty ss. w/freq. shale breaks.
4205	5003	798	Mancos Form. Gy. carb. shale.
5003	5290	287	Gallup Form. Lt. gy. to brn. calc. carb. micaceous glauconitic. Very fn. to med. gr. ss. w/irreg. intbd. shale.

TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.

FOLD MARK

[OVER]

16—43094-4

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.

SAND OIL FRACTURE

12-8-58 BOP perf. int. 5170'-5184', 5196'-5214' wit. 49,350 gals. oil, 50,000# (20-40) sand. Flush with 250 gals. oil. Injection Rate -- 32.0 bbls./min. Maximum treating pressure 2600 psi.; Breakdown pressure -- 2400 psi.; Average treating pressure -- 2400 psi. Injected 30 rubber balls halfway through treatment.