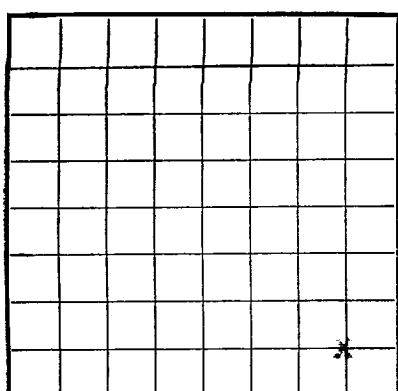


U. S. LAND OFFICE Navajo-Tribal
SERIAL NUMBER 14-20-603-2037
LEASE OR PERMIT TO PROSPECT

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 1365, Farmington, New Mexico
Lessor or Tract Chimney Rock Field Horseshoe Gallup State New Mexico
Well No. 1-A Sec. 24 T31N R.17W Meridian NMPM County San Juan
Location 660 ft. ^[N.] of S. Line and 660 ft. ^[W.] of E. Line of Section 24 Elevation 3756'
(Derives 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. KREGERDate December 9, 1958 Title Petroleum Engineer

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

Commenced drilling November 20, 1958. Finished drilling November 22, 1958.OIL OR GAS SANDS OR ZONES
(Denote gas by G)No. 1, from 1390 to 1416 No. 4, from _____ to _____
No. 2, from 1504 to 1535 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—	
3-5/8	32.00	8 Rd.	J-55	97	Baker				Surface Csg.
3-1/2	16.80	8 Rd.	J-55	1568	Baker				Prod. Csg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
3-5/8	107	100	Circulated		
3-1/2	1571	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 1575 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

November 29, 1958 Put to producing December 1, 1958
The production for the first 24 hours was 110 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, ^{°Bé} 41.0 ^{API} 41.0
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	1173	1173	Mancos Form. Gy. carb. shale.
1173	1541	368	Gallup Form. Lt. gy. to brn. calc. carb. micaceous glauconitic. Very fn. to med. gr. ss. w/irreg. interbedded shale.
1541	1575	34	Sanabsee Form. Dk. gy. calc. v/fn. to fn. gy. ss. w/calc. veins, w/irreg. lnbd. dk. gy. sd.

TOPS ARE FROM ELECTRIC LOGS
AND RADIOACTIVITY LOGS.

FROM— TO— TOTAL FEET (OVER) FORMATION 16-43094-4

FORMATION RECORD—Continued

U.S. Land Office
SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

A large rectangular area containing a uniform grid of small squares, intended for drawing. The grid consists of approximately 10 columns and 8 rows of squares.

LOCATE WELL CORRECTLY

The information given herewith is a complete and correct record of the well and all work done thereon
 as far as can be determined from all available records.
 Signed _____
 ORIGINAL SIGNED BY: JOSEPH E. MURPHY
 Location _____ of _____ Line and _____ ft. _____
 Well No. _____ Sec. _____ T. _____ R. _____ Meridian _____
 Lessor or Trustee _____ Field _____ State _____
 Company _____ Address _____

Commenced drilling _____ 19____ Finished drilling _____ 19____
The summary on this page is for the condition of the well at above date.

OIL OR GAS SANDS OR ZONES

No. 3 from
No. 4 from
No. 1 from
No. 2 from
No. 3 from
one time. Last bridge plug at 1437'.
oil; injection rate - 400 gpm; wellhead pressure 2400; ATP-100 dropped 26 balls
SCP parts. 1390-1416 with 15,404 balls. Oil and 20,000# sand flush with 1470 g.
11-27-83

(Derrick gas by G)

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62-102	Get 100%	Inch	Rate	Amount	Kind or class of shales	Cut and bonded here	To	From
11-75-58	SCF pellets. 1504-35 w/ 14.794 gals oil and 16,000 sand. Flow with 1534 gals.							
oil; Injection Rate--49.2 barrels per day. BOP-1050; ATP's--925-1150;								

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 "slidetracked," or left in the well, give its size and location. If the well has been dynamited, give date, position, and number of shots. If plugs or bridges were put in to rest for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

[illegible]

FORMATION RECORD—Continued

480E-3J