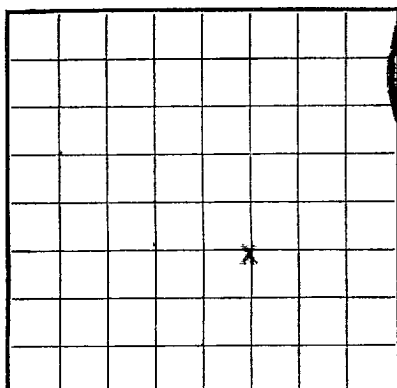


U. S. LAND OFFICE Navajo Tribal
SERIAL NUMBER 14-20-603-2037
LEASE OR PERMIT TO PROSPECT _____

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. 1542 Sec. 25 T. 31N R. 17W Meridian NMPM County San Juan
Location 1930 ft. N. of 5 Line and 1930 ft. W. of 1 Line of Section 25 Elevation 5313
(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. SEPH E. WHEELER

Date July 27, 1959Title Petroleum Engineer

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

Commenced drilling June 26, 1959 Finished drilling June 29, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1443' to 1448' No. 4, from _____ to _____
No. 2, from 1482' to 1499' 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—	
7-5/8"	25.40	8	55	1000					
5-1/2"	15.42	8	55	50					
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7-5/8"	25	200	Circulated		
5-1/2"	1542	50	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 _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing July 21, 1959
The production for the first 24 hours was 132 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 0 API 41.3
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	1195	1195	Manacos Form. Gy. carb. shale.
1195	1530	335	Gallup Form. Lt. gy. to hrn. calc. carb. micaceous glauconitic. Very fn. to med. gr. ss. w/irreg. interbedded shale.
1530	1542	12	Sanastee Form. Ok. 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.			
SPONGE	JO-	LOLYT REEL	LOSHVILION

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

[illegible]

LOCATE WELL CORRECTLY

No. 7-2-39
No. 4 from
SOF perfs. 1182'-1499'. w/29,100 gals. oil & 35,000# sand.
to No. 4 from
Flush w/1600 gals. oil. LR -49.0 hrs./min. MTP--1500 psi.
COP--2900 psi/MOHR-AV-WATER SANDS 17 rubber balls
No. 3 from
halfway through treatment, 250 psi increase.
to
No. 4 from
Ret. bridge plug at 1465'.
to No. 5 from
SOF perfs. 1416'-1416' w/27,800 gals. oil & 35,000# sand.
to
Flush w/1470 gals. oil & 35,000# sand. MTP--1300 psi.
COP--1500 psi/MOHR-AV-WATER SANDS OR RUBBER BALLS
injected 33 rubber balls
to
Commenced drilling - always enough treatment, 100 psi increase.
to
The summary on this page is for the condition of the well at above date.

Date _____ Title _____

HISTORY OF OIL OR GAS WELL		10-43064-2		U. S. GOVERNMENT PRINTING OFFICE	
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 "backtracked," 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 balling.					
Coring	From-	To-	Perforated	By	Where
Size	Weight	Per foot	Kind of shoe	Amount	Kind of shoe
Threads per inch	Wells	Wells	Wells	Wells	Wells

[illegible]

Adapters—Material	Size	Length	Depth set
Leaving plug—Material			

Rate	Material used	Quantity	Date	Depth of cut	Depth cleaned out

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

Rock pressure, lbs. per sq. in.		19
If gas well, cu. ft. per 24 hours		19
Emulsion; % water; and % sediment		19
The production for the first 24 hours was		19
Barrels of fluid of which % was oil		19
Put to producing		19

Driller			
Driller			

[illegible]