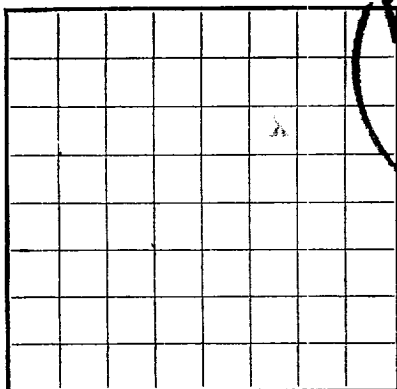


U. S. LAND OFFICE Navajo Tribal
SERIAL NUMBER 14-20-603-2037
LEASE OR PERMIT TO PROSPECT _____

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 1561, Farmington, New Mexico
Lessor or Tract Humney Rock Field Horseshoe Gallup State New Mexico
Well No. 12-A Sec. 25 T. 34N R. 17W Meridian NMPM County San Juan
Location 1590 ft. S. of N. Line and 163 ft. W. of E. Line of section 25 Elevation 5807
(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: WILLIAM K. GLAENER

Date August 20, 1959Title Petroleum Engineer

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

Commenced drilling July 7, 1959 Finished drilling July 11, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1406 to 1423 No. 4, from _____ to _____
No. 2, from 1436 to 1504 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"	12.5	12	AMERICAN	100	CHAMBERLAIN	1430	1430	1504	CEMENTING
3-1/2"	10.5	10	AMERICAN	100	CHAMBERLAIN	1504	1504	1562	CEMENTING
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
3-5/8"	113	125	CIRCULATED		
3-1/2"	1504	100	CIRCULATED		

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

TOOLS USED

Rotary tools were used from _____ feet to 1562 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____ July 23, 1959 Put to producing _____ August 11, 1959
The production for the first 24 hours was 104.50 barrels of fluid of which _____ % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 100
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas xxx 41.3 API
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1190	1190	blancos formation. gy. carb. shale.
1190	1553	363	lower Gallup formation. Lt. gy. to brn. calc. carb. micaceous glauconitic. Very fn. to med. gr. ss. w/irreg. interbedded shale.
1553	1562	9	sanastee formation. br. gy. calc. v/fn. to fn. gy. ss. w/calc. veins, w/irreg. imbr. sk. gy. sd.
TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.			
FROM—	TO—	LOGS FEET	CONVERSION

FORMATION RECORD—Continued

GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

A blank sheet of graph paper with a grid pattern. The grid consists of horizontal and vertical lines forming small squares. There are approximately 10 columns and 8 rows visible. A thick black curved line is drawn along the left edge, partially obscuring the grid. The top-left corner shows some dark, irregular marks, possibly from a staple or binding.

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

Date _____ Title _____

[illegible]

CONFIDENTIAL

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 "sacked", state 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.									
Casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and balled from	Perforated	Purpose	
Size							From	To	

U. S. GOVERNMENT PRINTING OFFICE 10-53094-3

MUDGING AND CEMENTING RECORD

Size category	White soil	Number seeds of corn	Method used	Moist gravity	Amount of mud used
1					
2					
3					
4					
5					
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99					
100					

PLUGS AND ADAPTERS

Adaptation—Material	Depth and	Length	Depth and
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SHOOTING RECORD

[illegible]

TOOLS USED

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

DATE

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

EMPLOYEES

Driller	Driller		
Driller	Driller		

FORMATION RECORD

[illegible]