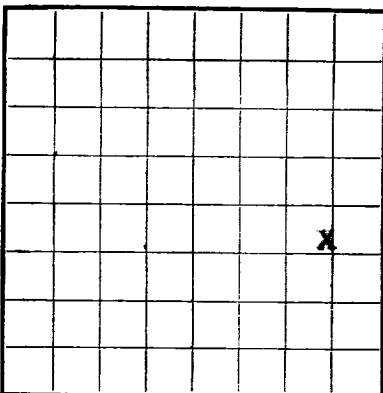




LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYU. S. LAND OFFICE Navajo Tribal Com.SERIAL NUMBER 14-20-603-731

LEASE OR PERMIT TO PROSPECT _____

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Products Co. Address Box 1565, Farmington, New Mexico.
Lessor or Tract Horsehoe Navajo Field Horsehoe Gallup State New Mexico
Well No. 3 Sec. 5 T. 30N R. 16W Meridian NMPM County San Juan
Location 1980 ft. N. of S. Line and 740 ft. E. of E. Line of Section 5 Elevation 5216'
(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: VAN E. DYNESDate July 2, 1959 Title Petroleum Engineer

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

Commenced drilling May 30, 1959 Finished drilling June 2, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1053 to 1070 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		Purpose
							From—	To—	
7-5/8"	44	8	AMERICAN	100	PISTON	1053	1070	1070	Oil
5-1/2"	30	8	AMERICAN	50	PISTON	1070	1182	1182	Oil
HISLOKA CH OFF ON GVS LEFT									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7-5/8"	132	100	Circulation		
5-1/2"	1181	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 0 feet to 1182 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

June 10, 1959 Put to producing June 28, 1959
The production for the first 24 hours was 93.80 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 39.3 API 39.3
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	810	810	Manos Form. Gy. carb. sh.
810	1000	190	Upper Gallup Form. Shale, gy.-blk., calc. w/aragonite inclusion.
1000	1164	164	Lower Gallup Form. Lt. gy. to brn. calc. carb. micaceous glauconitic. Very fn. to med. gr. ss. w/irreg. interbedded shale.
1164	1182	18	Sanastee Form. Dk. gy. calc. v/fn. to fn. gy. ss. w/calc. veins, w/irreg. tnbd. dk. gy. sd.
TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.			
FROM	TO	TOTAL FEET	FORMATION

FORMATION RECORD—Continued

PLEASE OR PERMIT TO PROCEED
SERIAL NUMBER 14-35-43-733
U. S. LAND OFFICE
MAVADO TITIAL CO.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



A blank 10x10 grid for graphing, consisting of 10 columns and 10 rows of squares.

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Location _____ N. _____ E. _____ W. _____ ft. of _____ Line and _____ ft. W. _____ of _____ Line of _____ Elevation _____

Well No. _____ Sec. _____ T. _____ R. _____ Meridian _____ County _____ State _____

Lessor or Tract _____ Field _____ State _____ Address _____ Mexico

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: NAME & DATE

Date _____ Title _____

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

Completed drilling	1978	1979	1980	1981	1982
Completed drilling	10	10	10	10	10

OIL OR GAS SANDS OR ZONES

(Derote das pa G)

to _____ from _____

.....

and: "Fish with 100 gals. oil. Injection dose 60.0 gals./min. Maximal

10-59 SOF part. int. 1033-1070 (2 sq./ft.) with 38,800 gals. oil and 57,000# (20-40)

----- of ----- No. 3 ----- of ----- No. 1 -----

_____ to _____ from _____ to _____ from _____

CASING RECORD

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, size, grade, or length, state the date, size, position, and weight of the pipe or bridges were put in to test for water, state kind of material used, position, and results of pumping or running.									
Casing	Size per foot	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Restored	Purpose
								From—	To—

10-52004-2 U. S. GOVERNMENT PRINTING OFFICE

MUDDING AND CEMENTING RECORD

Size Casting	Weight set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
1/2"	14.1	30	straight sand		
1/2"	13.5	100	straight sand		

PLUGS AND ADAPTERS

Adapters—Material	Size	Length	Depth set
Heaving plug—Material			

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
			See "Well No. 10"	"		

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

DATES

It gas well, cu. ft. per 24 hours	% emulsion; _____ % water; and _____ % sediment.
Gallons gasoline per 1,000 cu. ft. of gas	
Gravity, ° Be. _____	
% was oil; _____	
Puts to producing _____ time as _____	

EMPLOYEES

Driller	Driller
Driller	Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	010	010	various forms of clay, brown, sand.
010	000	100	Upper sandstone formation. Special clay, black, calc. W/stratigraphic inclination.
1000	1001	1001	Lower sandstone formation. Clay to sand, calc. sand. Intermediate glauconitic. Very fine to med. fine. sh. weathered, interbedded shale.
1100	1101	10	various forms of clay, calc. with to fine. sh. sh. weathered, white, calc. sh. with to fine. sh.
			AND SANDSTONE FORMATION 1000 TO 1100 FEET