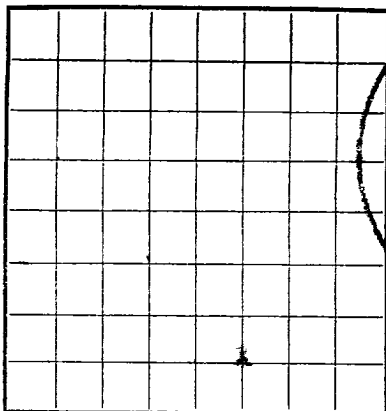
U. S. LAND OFFICE Navajo-Ute
SERIAL NUMBER 14-20-604-1951
LEASE OR PERMIT TO PROSPECT _____UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Products Co. Address Box 1565, Farmington, New Mexico
Lessor or Tract Horseshoe Ute Field Horseshoe Gallup State New Mexico
Well No. 17 Sec. 28 T. 31N R. 16W Meridian NMPM County San Juan
Location 660 ft. N of S Line and 1930 ft. W of E Line of Section 28 Elevation 5734'
(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. KREGERDate August 31, 1959Title Petroleum Engineer

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

Commenced drilling July 17, 1959 Finished drilling July 21, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1584' to 1614' 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. 2, from _____ to _____
No. 3, 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"	24.4	8	Lucas	100	Shot	1584'			Drilling
5-1/2"	17.5	8	Lucas	50	Shot	1614'			Drilling
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"	136	125	Circulated		
5-1/2"	1751	50	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
See Remarks						

TOOLS USED

Rotary tools were used from 0 feet to 1751 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing August 26, 1959
The production for the first 24 hours was 72.10 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 40.3° API

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

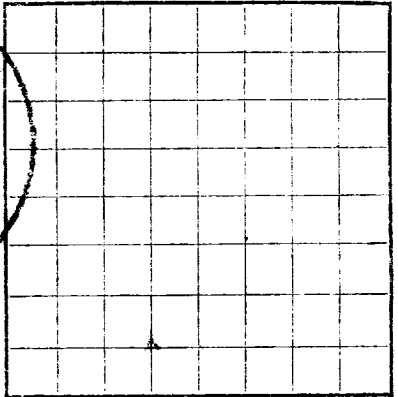
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

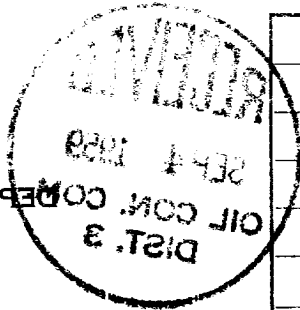
_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	273	273	Point Lookout Form. Gy., v/fn. silty ss. w/frequent shale breaks.
273	1366	1093	Mancos Form. Gy. carb. shale.
1366	1730	364	Gallup Form. Lt. gy. to brn. calc. carb. micaceous glauconitic. Very fn. to med. gr. ss. w/irreg. interbedded shale.
1730	1751	21	Sanastee Form. Dk. gy. calc. v/fn. to fn. gy. ss. w/calc. veins, w/irreg. labd. dk. gy. sd.
TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.			
FROM—	TO—	TOTAL FEET	FORMATION



LOCATE WELL CORRECTLY



LOG OF OIL OR GAS WELL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UNITED STATES

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Company _____
Lessor or Tract _____
Well No. _____
Location _____
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.

ORIGINAL SIGNED BY: JOSEPH E. KEEFER

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

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____
No. 4, from _____ to _____
No. 5, from _____ to _____
No. 6, from _____ to _____

dropped 30 rubber balls and cement water sands

No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____
No. 4, from _____ to _____
No. 5, from _____ to _____
No. 6, 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
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of casing, the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was attached to the well, give dates and location. If the casing was 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 pulling.								

HISTORY OF OIL OR GAS WELL

MUDGING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used

PLUGS AND ADAPTERS

Size	Material	Length	Depth set

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

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 _____
The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment.
If gas well, cu. ft. per 24 hours _____
Rock pressure, lbs. per sq. in. _____
Gallons gasoline per 1,000 cu. ft. of gas _____
Gravity, °Be. _____

EMPLOYEES

Driller _____
Driller _____
Driller _____

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	27.5	27.5	Gravel, sand, and silt, with some small pebbles.
27.5	100.0	100.0	Gravel, sand, and silt, with some small pebbles.
100.0	175.0	175.0	Gravel, sand, and silt, with some small pebbles.
175.0	250.0	250.0	Gravel, sand, and silt, with some small pebbles.
250.0	325.0	325.0	Gravel, sand, and silt, with some small pebbles.
325.0	400.0	400.0	Gravel, sand, and silt, with some small pebbles.
400.0	475.0	475.0	Gravel, sand, and silt, with some small pebbles.
475.0	550.0	550.0	Gravel, sand, and silt, with some small pebbles.
550.0	625.0	625.0	Gravel, sand, and silt, with some small pebbles.
625.0	700.0	700.0	Gravel, sand, and silt, with some small pebbles.
700.0	775.0	775.0	Gravel, sand, and silt, with some small pebbles.
775.0	850.0	850.0	Gravel, sand, and silt, with some small pebbles.
850.0	925.0	925.0	Gravel, sand, and silt, with some small pebbles.
925.0	1000.0	1000.0	Gravel, sand, and silt, with some small pebbles.