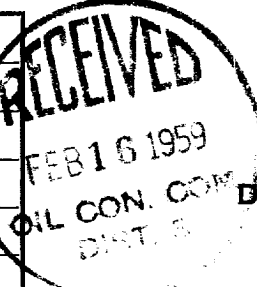
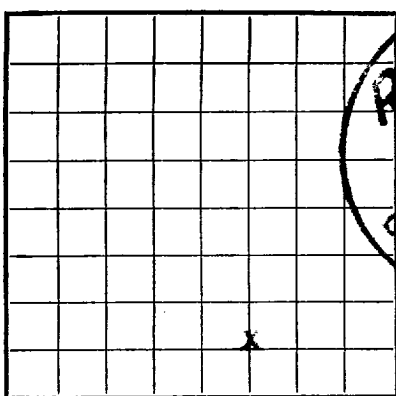


U. S. LAND OFFICE Navajo Tribal
SERIAL NUMBER 44-20-603-2037
LEASE OR PERMIT TO PROSPECT _____UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

FEB 12 1959

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

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. 3-A Sec. 24 T. 31N R. 17W Meridian NMPM County San Juan
Location 660 ft. N. of S Line and 1980 ft. E. of W. Line of Section 24 Elevation 5690'
(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.

ORIGINAL SIGNED BY: JOSEPH E. KREGER

Date February 11, 1959 Signed _____ Title Petroleum Engineer

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

Commenced drilling January 8, 1959 Finished drilling January 14, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1301 to 1326 No. 4, from _____ to _____
No. 2, from 1406 to 1438 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—	
8-5/8"	32.00	3 Rd.	New	93.55	Baker				Surf. Log.
5-1/2"	15.40	3 Rd.	New	1446	Baker				Production Log.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	105	100	Circulated		
5-1/2"	1476	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

TOOLS USED

Rotary tools were used from 0 feet to 1473 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

January 22, 1959 Put to producing January 30, 1959

The production for the first 24 hours was 100.50 barrels of fluid of which 100% was oil; _____% emulsion; _____% water; and _____% sediment.

Gravity, 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	380	380	Mancoos Form. Gy. carb. s. etc.
380	1301	921	Gallup Form. Lt. gy. to brn. calc. carb. micaceous glauconitic. Very fn. to med. gr. ss. w/irreg. interbedded shale.
1301	1443	147	Sanctee Form. Dk. gy. calc. v/fn. to fn. gy. ss. w/calc. veins, w/irreg. lhd. dk. gy. sd.
TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.			

FROM—

TO—

TOTAL FEET

FORMATION

16-43094-4

FORMATION RECORD—Continued

LOCATE WELL CORRECTLY

10-43094-2 U. S. GOVERNMENT PRINTING OFFICE

FORMATION RECORD—Continued