

Lease No.
SF-073556

B. & R. SERVICE, INC.

TEMPERATURE SURVEY

COMPANY EL PASO NATURAL GAS PRODUCTS COMPANY

WELL MOSS # 4 FIELD

COUNTY SAN JUAN STATE NEW MEXICO

SEC SE SE 1/4 Sec 3 TWP 24N RGE 10W

APPROX. TOP CEMENT 3660'

Survey Begins at 3000 Ft. Ends at 5421 Ft.

Approx. Fill-Up 100% Max. Temp. 122° @ 5421'

Log Measured From R.T. Run No. ONE

Casing Size	Casing Depth	Diam of Hole	Depth
5 1/2" from 0	to 5456'	8 1/2" from	to
from	to	from	to

Date of Cementing DECEMBER 6, 1958 Time 8:15 P.M.

Date of Survey DECEMBER 7, 1958 Time 6:45 A.M.

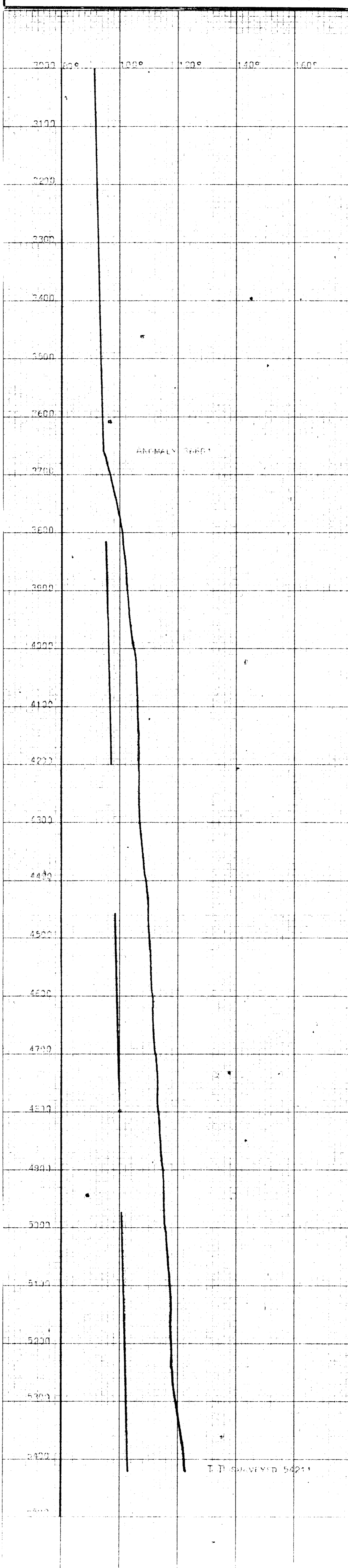
Amount of Cement 300 SACKS Type POZMIX & REG

Amount of Admix 4% GEL Type

Recorded by WILSON Witnessed by CHAS. SHEPARD

REMARKS OR OTHER DATA

TEMPERATURE IN DEGREES FAHRENHEIT



Form 9-330

U. S. LAND OFFICE
SERIAL NUMBER 073356
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 Moss Field Histi-Lower Gallup State New Mexico
Well No. 1 Sec. 3 T. 24N R. 10W Meridian NMPM County San Juan
Location 760 ft. N. of 2 Line and 560 ft. W. of 1 Line of Section 3 Elevation 5300'
(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.

Date March 10, 1959 Signed ORIGINAL SIGNED BY: WILLIAM K. GLAZIER
Title Petroleum Engineer

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

Commenced drilling November 10, 1953 1953 Finished drilling December 2, 1953

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 5300' to 5373' No. 4, from _____ to _____
No. 2, from 5395' to 5404' 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—	
10-3/4	32.75	8 R.	J-55	153	Baker				Drill pipe
8-1/2	15.50	8 R.	J-55	5443	Baker		5335	5404	Prod. Csg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4	172	125	Circulated		
8-1/2	5437	300	single stage		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material Baker Model "D" Size 2-3/8" A-1-2" 5002'
Hydroset Anchor

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		See "Well History"				

TOOLS USED

Rotary tools were used from 172 feet to 5460 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to 172 feet, and from _____ feet to _____ feet

DATES

December 13, 1953 Put to producing February 12, 1954
The production for the first 24 hours was 39 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, 66.7
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	860	860	Interbedded sandstone and shale.
860	981	121	Up Alamo ss. White, coarse grained sand.
981	1473	497	Kirtland Form. Gy. ss. inter. with tight gy. FC ss.
1473	1705	227	Kirtland Form. Gy. carb. ss., sect. coals, coals & gy. tight FC ss.
1705	1806	101	Pictured Cliffs Form. Gray, F.C., tight, vari-colored soft ss.
1806	2501	695	Lewis Form. Gy. to white ss. sh. w/silty to shaley ss. breaks.
2501	4139	1638	Mesa Verde Form. Gy., F.C., ss. silty ss., carb. shale and coal.
4139	4379	240	Point Lookout Form. Gy., v/bn. silty ss. w/frequent shale breaks.
4379	5196	817	Blancos Form. Gy. carb. shale.
5196	5460	264	Gallup Form. Lt. gy. to brn. calc. carb. micaceous glauconitic. Very fm. to med. gr. ss. w/irreg. interbedded shale.
			TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.

