

B. & R. SERVICE COMPANY

TEMPERATURE SURVEY

COMPANY _____
 WELL _____ FIELD _____
 COUNTY _____ STATE _____
 SEC. _____ TWP. 24 RGE. 3

APPROX. TOP CEMENT _____

Survey Begins at _____ Ft. Ends at _____ Ft.
 Approx. Fill-Up _____ Max. Temp. _____
 Log Measured From _____ Run No. _____

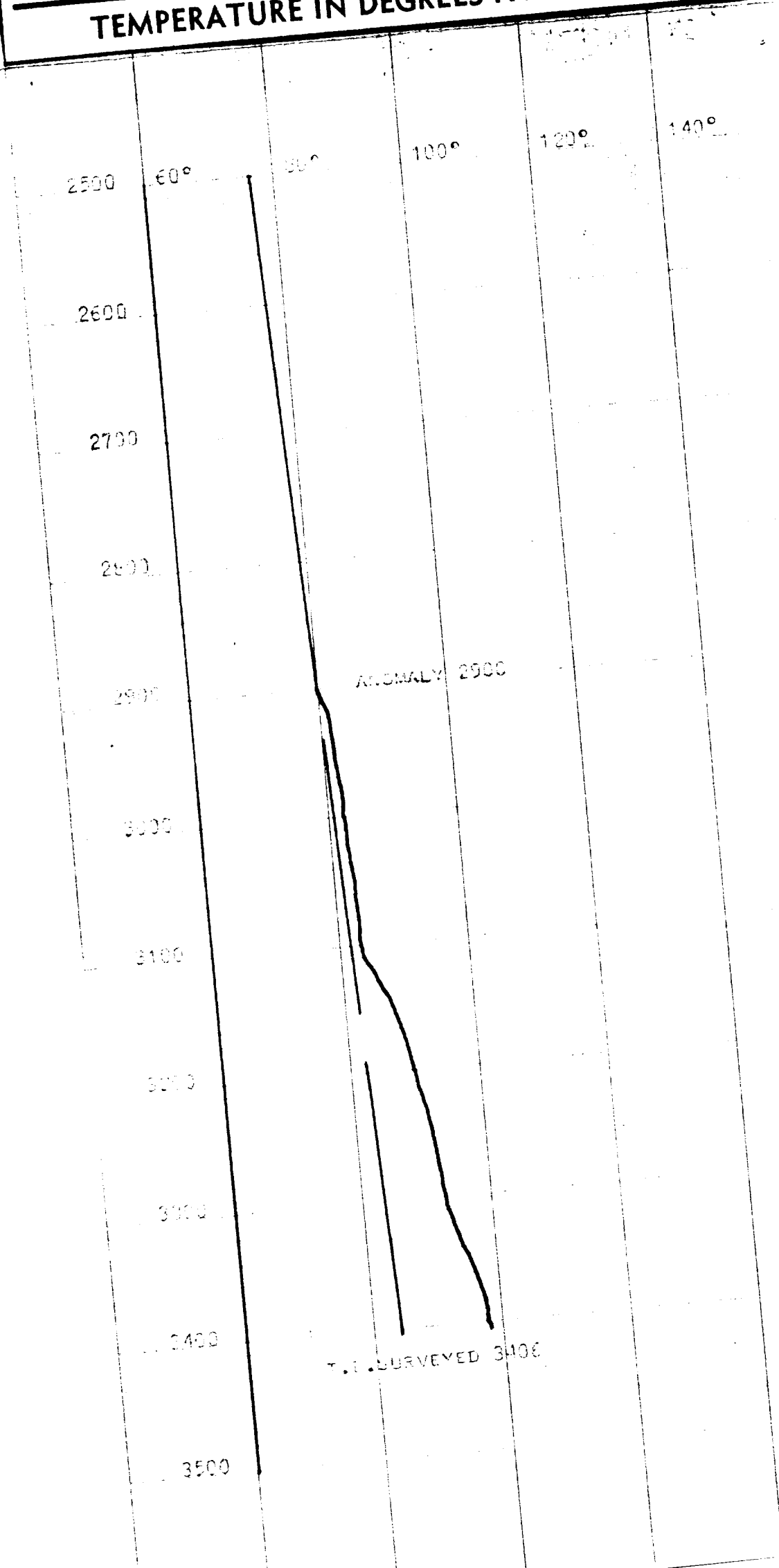
Casing Size	Casing Depth	Diam of Hole	Depth
from _____ to _____	from _____ to _____	from _____ to _____	from _____ to _____

Date of Cementing _____ Time _____
 Date of Survey _____ Time _____
 Amount of Cement _____ Type _____
 Amount of Admix _____ Type _____
 Recorded by _____ Witnessed by _____

REMARKS OR OTHER DATA



TEMPERATURE IN DEGREES FAHRENHEIT



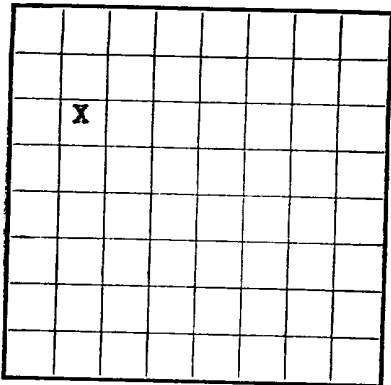
U. S. LAND OFFICE Santa Fe

SERIAL NUMBER 078911

LEASE OR PERMIT TO PROSPECT

I-Sec. 713

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 997, Farmington, New Mexico
Lessor or Tract Lindrith Unit Field Wildcat State New Mexico
Well No. 4 Sec. 3 T. 24N R. 3W Meridian NMPM County Rio Arriba
Location 1840 ft. S. of N Line and 1160 ft. E. of W Line of Section 3 Elevation 7199'
(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 J. F. D. Aleck

Date September 14, 1955

Title Petroleum Engineer

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

Commenced drilling July 17, 1955 Finished drilling August 7, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3472 to 3522 (G) No. 4, from _____
No. 2, from _____ to _____ No. 5, from _____
No. 3, from _____ to _____ No. 6, from _____

IMPORTANT WATER SANDS

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

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
9 5/8"	25.4#	P.E.	S.W.	121'	Howco				Surface
5 1/2"	15.50	8 RD	J-55	3460'	Baker				Prod. Log.
1"	1.68#	10 RD	Std. Blk.	3502'					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8"	133'	100	Circulated		
5 1/2"	3470'	150	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 3477 feet, and from _____ feet to _____ feet
Cable tools were used from 3477 feet to 3522 feet, and from _____ feet to _____ feet

DATES

August 9, 1955 Put to producing _____, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours 217,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 991

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1500	1500	Tan cr-grn ss w/htin sh breaks.
1500	2615	1115	Variegated sh w/thin ss breaks.
2615	3215	600	Tan to gry cr-grn ss interbedded w/gry sh.
3215	3243	28	Ojo Alamo ss. White cr-grn s.
3243	3328	85	Kirtland form. Gry sh interbedded w/tight gry fine-grn ss.
3328	3472	144	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
3472	3522 TD	50	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.

FOR

DATE

10-43094-3 (OVER)

LIBRARY OF THE GEOLOGICAL SURVEY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WITH CORRECTLY

A blank sheet of graph paper with a grid pattern. The grid consists of horizontal and vertical lines forming squares. There are approximately 10 columns and 8 rows visible. The lines are thin and black on a white background.

The summary on this page is for the condition of the well as shown on the

[illegible]

PRISON 50 2:14A 241 110 110

[illegible]

0-8-45 Total Bath 3524. Bedrock Plotted 0155 Interval 3470 - 3524 with 8,000 gallons #2 diesel oil, 13,000 # sand (med.) & 50 gals. Keros. pressure 950#, maximum pressure 1050#, average treating pressure 950#, Injection rate 25.7 bbls./min. Flow 4000 gallons. Natural gas 15 MCF/D.

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 "sidetracked," or left 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.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-48084-2

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