

A blank sheet of graph paper with a grid pattern. The grid consists of 10 columns and 8 rows of squares. A small black mark is visible near the top center of the page.

RECEIVED
APR 5 1960
OIL CON. COM.
DIST. 3 DEPT.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. LAND OFFICE **Navajo-Ute**
SERIAL NUMBER **14-20-604-1931**
LEASE OR PERMIT TO PROSPECT

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INTERIOR
APR 4 1960
U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

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 Horsemeat Ute Field Horsemeat Gallup State New Mexico
Well No. 39 Sec. 23 T. 31N R. 16W Meridian N.M.P. County San Juan
Location 660 ft. EX } of N Line and 1980 ft. EX } of E Line of Section 23 Elevation 5749
S. } W. }
(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. KREGER**

Date March 31, 1960 Title Petroleum Engineer

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

Commenced drilling March 4, 1960 Finished drilling March 9, 1960

OIL OR GAS SANDS OR ZONES

No. 1, from 1600 to 1604 No. 4, from 1604 to 1608
 No. 2, from 1608 to 1612 No. 5, from 1612 to 1616
 No. 3, from 1616 to 1620 No. 6, from 1620 to 1624

IMPORTANT WATER SANDS

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

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	145	125	Circulated		
5-1/2"	1716	100	Bump & Plug		

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 1717 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

March 13, 1966 Put to producing March 27, 1966

The production for the first 24 hours was 24 barrels of fluid of which 100% was oil; -----% emulsion; -----% water; and -----% sediment. Gravity, °Bé. 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	305	305	Point Lookout. Gy. v./fn. silty ss. w/freq. shale breaks.
305	1410	1105	Manos Form. Gy. carb. shale.
1410	1717	307	Gallup Form. Lt. gy. to brn. calc. carb. micaceous glauconitic. Very fn. to med. gr. ss. w/irreg. interbedded shale.
			TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.

[illegible]

LOG OF DRILLING

DURANGO, COLO. GEOLOGICAL SURVEY

GEOPOLITICAL ANALYSIS

UNITED STATES GOVERNMENT
OFFICE OF THE ATTORNEY GENERAL

REC-110

0707 2994

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The information in this document is exempted from automatic downgrading and declassification and will remain in the "Secret" category.

London, England, 1954

World of 1954

Information on the

Field of 1954

Address of 1954

ORIGINAL SIGNED BY: JOSEPH E. KREGER

SO2 parts. 1632-1654 with 55,866 gals. oil and 100,000 (10-20) gals. diesel with 1400 gals. oil injection rate: 60.4 gals/min. Maximum treating pressure 1400 psi; Breakdown pressure 1200 psi. Average treating pressure 1200 psi. Dropped 22 rubber balls one time for 1504 psi.

SANDOLL FACTURE

10. I :no Snpreeh par pasxnoe pue.6 :stey

8991-8991
8991-8991

100-4616012
100-4616012

1991-1991

104-616012

CASING RECORD

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of drilling, together with the reasons for the work and its results. If there were any changes made in the casing, mention them, and if any cement 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 piers 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 16-58084-2

[illegible]