

	X	

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R359.4.
Approval expires 12-31-60.

Indian Agency Navajo-Ute

Allottee _____

Lease No. 14-20-604-1951

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF REDRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

RECEIVED
JUL 30 1959
U. S. GEOLOGICAL SURVEY
FARMINGTON NEW MEXICO

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 29, 1959

Horseshoe-Ute
Well No. 20 is located 2080 ft. from N line and 2030 ft. from E line of sec. 34
NW SE/4 Section 34 31N 16W NMPM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Horseshoe Gallup Ext. San Juan New Mexico
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5421 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

It is intended to drill a well through the Lower-Gallup Formation using rotary tools and mud circulation. Possible productive intervals will be perforated and sandoil fractured.

Estimated Total Depth 1450'.

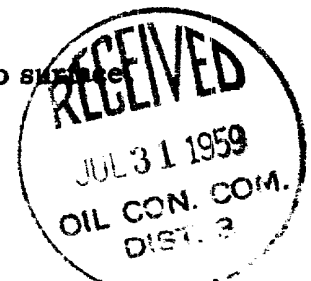
Casing Program:

8-5/8" at 100' with 100 sacks cement circulated to surface

5-1/2" at 1450' with 100 sacks cement.

The NW SE/4 of Section 34 is dedicated to this well.

NW SE/4 Section 34 Navajo Ute 14-20-604-1951



I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

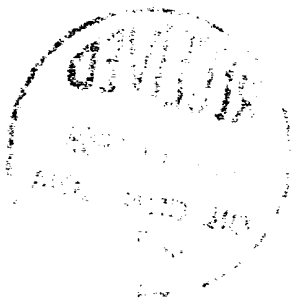
Company El Paso Natural Gas Products Company

Address Post Office Box 1565

Farmington, New Mexico

ORIGINAL SIGNED BY: JOSEPH E. KREGER

By _____
Title Petroleum Engineer



RECEIVED JAN 11 1964

NEW MEXICO OIL CONSERVATION COMMISSION

Well Location and Acreage Dedication Plat

Section A.

Date July 29, 1959

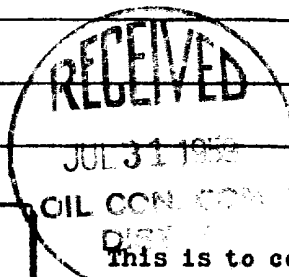
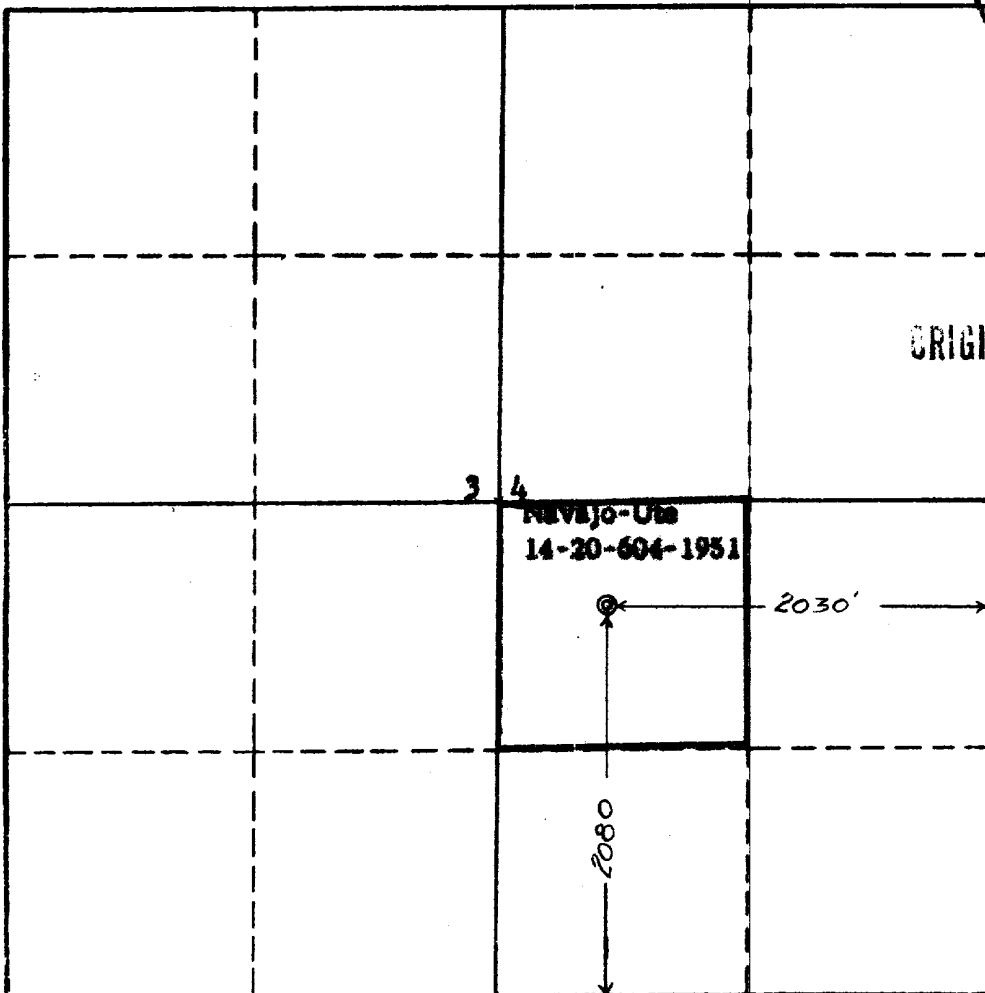
Operator El Paso Natural Gas Products Company Lease Horseshoe Ute 14-20-604-1951
Well No. 20 Unit Letter J Section 34 Township 31 North Range 16 West NMPM
Located 2080 Feet From South Line, 2030 Feet From East Line
County San Juan G. L. Elevation 5415 Dedicated Acreage 39.43 Acres
Name of Producing Formation Gallup Pool Horseshoe Gallup Ext.

1. Is the Operator the only owner* in the dedicated acreage outlined on the plat below?
Yes X No
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? Yes No . If answer is "yes,"
Type of Consolidation
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner

Land Description

Section. B



This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief.

El Paso Natural Gas Products Co.
(Operator)

ORIGINAL SIGNED BY: JOSEPH E. KREGEN
(Representative)

Box 1565, Farmington, New Mexico

Address

This is to certify that the well location shown on the plat in Section B was located from field notes of actual surveys made by me or under my supervision and that the same is true to the best of my knowledge and belief.

Date Surveyed July 27, 1959

Ernest V. Echohawk
Registered Land Surveyor.

Certificate No. 1545

	X	

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R359.4.
Approval expires 12-31-50.

Indian Agency **Navajo-Ute**

Allottee _____

Lease No. **14-20-604-1951**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	X
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 5, 1959

Horseshoe Ute

Well No. **20** is located **2080** ft. from **NE** line and **2030** ft. from **E** line of sec. **34**

NW SE/4 Section 34

31N

16W

NMPM

(1/4 Sec. and Sec. No.)

(Twp.)

(Range)

(Meridian)

Horseshoe Gallup Ext.

San Juan

New Mexico

(Field)

(County or Subdivision)

(State or Territory)

The elevation of the derrick floor above sea level is **5421** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spud Date: August 3, 1959. August 4, 1959 Total Depth 125'.

Ran 4 joints, 8-5/8", 32.00#, J-55 Csg. (114') set at 122' with 125 sacks regular cement, 2% CaCl₂ circulated to surface. Held 500#/30 Minutes.

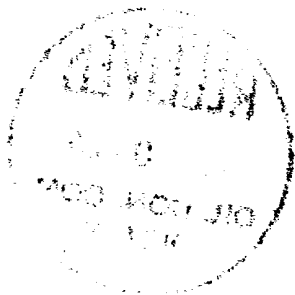
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **El Paso Natural Gas Products Company**

Address **Post Office Box 1565**
Farmington, New Mexico

ORIGINAL SIGNED BY: **J. JOSEPH E. KREGER**

By _____
Title **Petroleum Engineer**



OFFICE OF THE DIRECTOR, BUREAU OF THE ARMY

B. & R. SERVICE, INC.

TEMPERATURE SURVEY

COMPANY EL PASO NATURAL GAS PRODUCT COMPANY

WELL HORSE SHOE UTE #20 FIELD

COUNTY SAN JUAN STATE NEW MEXICO

SEC. 34 TWP. 31 RGE. 16

APPROX. TOP CEMENT 690'

Survey Begins at 100 Ft. Ends at 1427 Ft.

Approx. Fill-Up 100% Max. Temp. 78° AT 1427'

Log Measured From R.T. Run No. 1

Casing Size	Casing Depth	Diam of Hole	Depth
5 1/2" from 0	to 1481'	7 7/8" from	to
from	to	from	to

Date of Cementing AUGUST 8, 1959 Time 3:30 AM

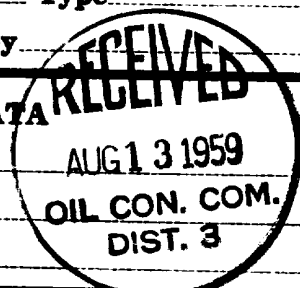
Date of Survey AUGUST 8, 1959 Time 3:30 PM

Amount of Cement 100 SKS Type

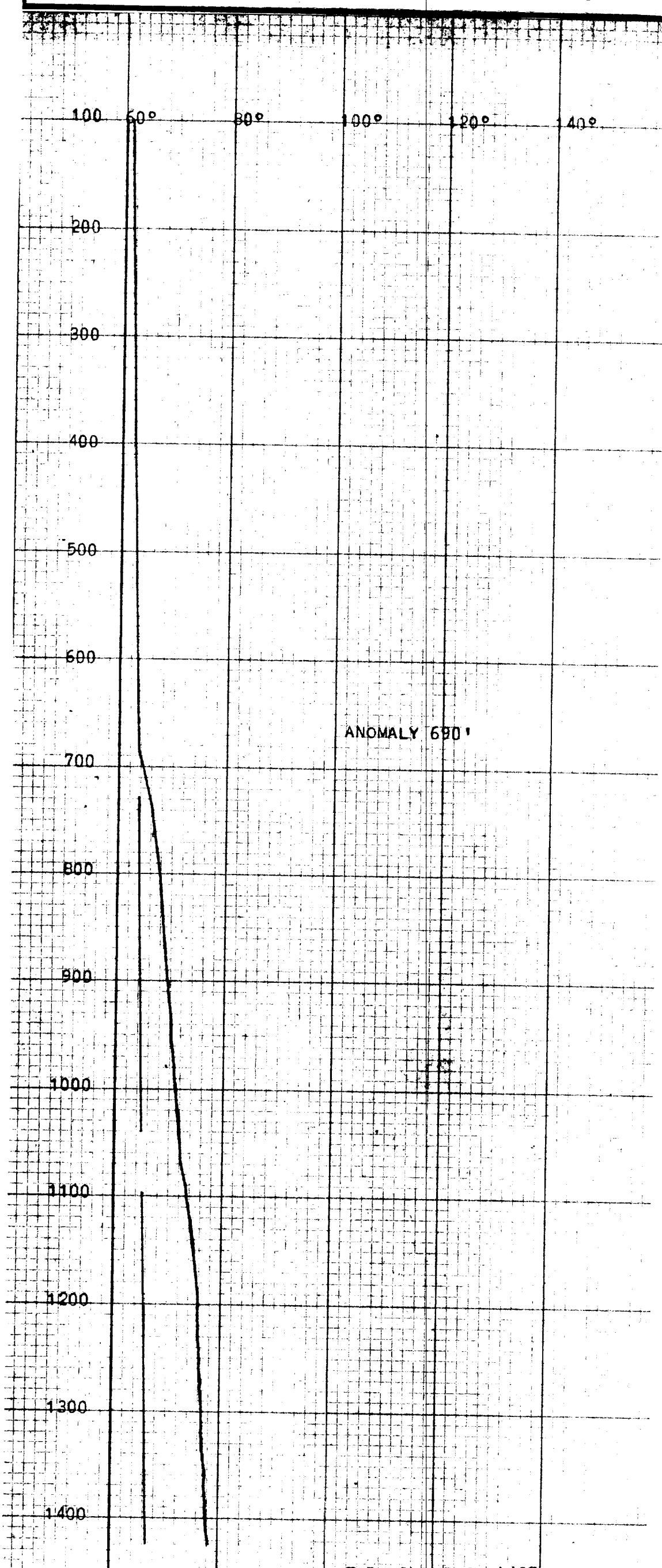
Amount of Admix Type

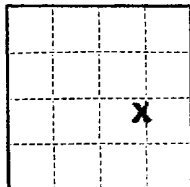
Recorded by ELKIN Witnessed by

REMARKS OR OTHER DATA



TEMPERATURE IN DEGREES FAHRENHEIT





(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R350.4.
Approval expires 12-31-60.

Navajo-Ute Tribal

Indian Agency _____

Allottee **14-20-604-1951**

Lease No. _____

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 10, 1959

Horseshoe Ute
Well No. **20** is located **2080** ft. from **N** line and **2030** ft. from **E** line of sec. **34**
NW SE/4 Section 34 **31N** **16W** **NMPM**
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Horseshoe Gallup Ext. **San Juan** **New Mexico**
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is **5421** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

August 7, 1959 Total Depth 1484'.

Ran 35 joints 5-1/2", 15.50#, J-55 Casing (1474.27') set at 1481.27' with
50 sacks regular cement, 50 sacks Pozmix, 4% Gel., 1/4# Flocele per sack.
Held 1000#/30 Minutes.

Top of cement by temperature survey at 690'.

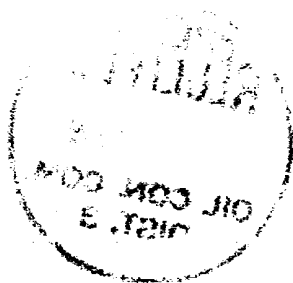


I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **El Paso Natural Gas Products Company**

Address **Post Office Box 1565**
Farmington, New Mexico

ORIGINAL SIGNED BY: **WILLIAM K. GLAZENER**
By _____
Title **Petroleum Engineer**



RECEIVED BY THE DIRECTOR OF THE BUREAU OF THE ARMY

(SUBMIT IN TRIPLICATE)

Indian Agency Navajo-Ute Tribal

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____
Lease No. 14-20-604-1951

	X	

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	RECEIVED SEP 3 1959 U. S. GEOLOGICAL SURVEY FARMINGTON NEW MEXICO
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	Sandoil Frac.	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 31, 1959

Horseshoe-Ute
Well No. 20 is located 2080 ft. from 31N line and 2030 ft. from 16W line of sec. 34
NW 38/4 Section 34 **31N** **16W** **NMPM**
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Horseshoe Gallup Ext. **San Juan** **New Mexico**
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5421 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mud logging, cementing points, and all other important proposed work)

August 27, 1959 Total Depth 1484'. Clean Out Total Depth 1420'.

Sandoil fractured Lower Gallup perforated intervals 1298'-1335' (2 sh./ft.) with 52,700 gals. oil & 60,000# sand. Breakdown pressure 1900#, maximum treating pressure 1050#, average treating pressure 1000#. Injection rate: 59.0 bbls./min. Flush 1470 gals. oil. Spotted 250 gals. 7-1/2% BDA before fracture. Injected 37 rubber balls half-way through treatment, 50 psi. increase.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company El Paso Natural Gas Products Company
Address Post Office Box 1563
Farmington, New Mexico
By _____
Title Petroleum Engineer

ORIGINAL SIGNED BY: WILLIAM K. GLAZENER