

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **New Mexico**

Lease No. **NE-01111**

Unit **Northeast Hogback Unit**
Unit No. **14-09-001-4874**

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 RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING 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	(see remarks)

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

Northeast Hogback Unit **Farmington, New Mexico** **June 28**, 19 **61**

Well No. **41** is located **1900** ft. from **S** line and **660** ft. from **E** line of sec. **10**

NE/4 SE/4 of section 10 **T-30-N** **R-16-W** **N.M.P.M.**

(1/4 Sec. and 1/2 Sec. No.) (Twp.) (Range) (Meridian)

Horseshoe Gallup **San Juan** **New Mexico**

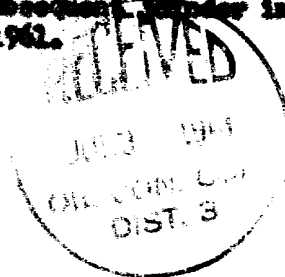
(Field) (County or Subdivision) (State or Territory)

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

DETAILS OF WORK

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

This is to advise of the change in operator from J. R. Abraham to Pan American Petroleum Corporation and the redesignation of J. R. Abraham Federal Well No. 1 to Northeast Hogback Unit Well No. 41 due to subsequent number in the Northeast Hogback Unit effective 7:00 A.M. July 1, 1961.



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

Company **Pan American Petroleum Corporation**

Address **Box 480**

Farmington, New Mexico

Attn: **L. O. Spear, Jr.**

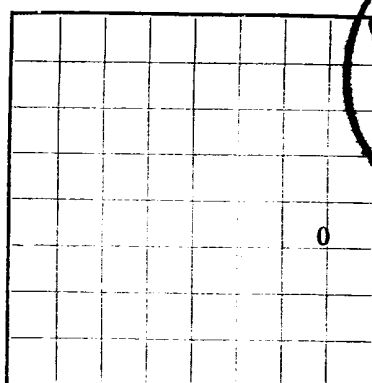
ORIGINAL SIGNED BY
A. E. TURNER

By _____

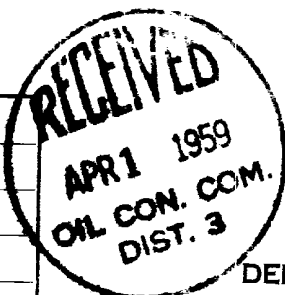
Title **Administrative Clerk**

U. S. LAND OFFICE Santa FeSERIAL NUMBER N. M-04444

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company J. R. Abraham Address 224-1st National Bank Bldg
Lessor or Tract Adk. Field Horseshoe State New Mexico
Well No. 1 Sec. 10 T. 30 NR. 16 W Meridian San Juan County New Mexico
Location 1990 ft. N of S Line and 660 ft. E of E Line of Section-10 Elevation 5415
(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. R. Abraham
Date 3-22-59 Title

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

Commenced drilling 2-23, 1959 Finished drilling 3-19, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1599 to 1640 No. 4, from to
No. 2, from 1691 to 1750 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	
<u>10-3/4</u>	<u>45#</u>	<u>8-RD</u>	<u>J. N. L.</u>	<u>80</u>					<u>Surface</u>
<u>5-1/2</u>	<u>14#</u>	<u>8-RD</u>	<u>J. N. L.</u>	<u>1769</u>			<u>0</u>	<u>1769</u>	<u>Production</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10-3/4</u>	<u>80</u>	<u>75</u>	<u>Halliburton</u>		
<u>5-1/2</u>	<u>1769</u>	<u>100</u>	<u>Halliburton</u>		

PLUGS AND ADAPTERS

Heaving plug—Material C Length 100 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 feet to feet, and from feet to feet
Cable tools were used from 0 feet to 1769 feet, and from feet to feet

DATES

Put to producing 3-23, 1959

The production for the first 24 hours was 528 barrels of fluid of which 200 % was oil; %
emulsion; % water; and % sediment. Gravity, °Bé. 42

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

Rock pressure, lbs. per sq. in.

EMPLOYEES

Grossman Drilling Co, Driller C. M. Nickerson, Driller
W. G. Lewis, Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
<u>0</u>	<u>550</u>	<u>550</u>	<u>Sd-Shale</u>
<u>550</u>	<u>1560</u>	<u>1010</u>	<u>Shale</u>
<u>1560</u>	<u>1650</u>	<u>90</u>	<u>Sd</u>
<u>1650</u>	<u>1691</u>	<u>41</u>	<u>Shale</u>
<u>1691</u>	<u>1750</u>	<u>59</u>	<u>Sd with thin shale breaks</u>
<u>1750</u>	<u>1769</u>	<u>19</u>	<u>Shale</u>
			<u>Top Gallop -1600</u>

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
1750	1739	11	Shale
1691	1750	59	Sh with thin shale breaks
1650	1691	41	Shale
1500	1650	50	Sh
550	1500	1010	Shale
0	550	550	Sd-shale

FORMATION RECORD	REMARKS
	Top Gallop - 1600
	Shale
	Sd with thin shale breaks
	Shale
	41
	50
	1010
	550
	Sd-shale

W.G. Lewis	Driller	G.M. Nickerson	Driller
Grossman Drilling Co.	Driller		

Rock pressure, lbs. per sq. in.	
If gas well, cu. ft. per 24 hours	
emulsion; % water; and % sediment	
The production for the first 24 hours was 2 1/2 barrels of fluid of which 1 1/2 was oil; 1 1/2 was water	
Put to producing	3-5-23
DATE	10-23

Cable tools were used from	feet to
Rotary tools were used from	feet to

SHOOTING RECORD	PLUGS AND ADAPTERS
Size	Plugs used
Explosive used	Quantity
Date	Depth shot
Depth cleaned out	

MUDDING AND CEMENTING RECORD	HISTORY OF OIL OR GAS WELL
Casing size	
Where set	
Number sacks of cement	
Method used	
Mud slurry	
Amount of mud used	

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 test for water, state kind of material used, position, and results of dynamiting or burning. If any other work was done, state in detail.

CASING RECORD	IMPORTANT WATER SANDS	OIL OR GAS SANDS OR ZONES
Casing size	No. 1, from	No. 1, from
Weight per foot		
Threads per inch		
Make		
Amount		
Kind of shoe		
Cut and pulled from		
Perforated		
Purpose		

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

Date 3-5-23

Signed *W.G. Lewis*

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.

Location 1939 ft. 2 1/2 of 2 line and 300 ft. 8 of E. line of Section-10 Elevation 5415

Well No. 1 Sec. 10 T. 30 N. R. 12 W. 12th San Juan County, New Mexico

Owner or Landholder

Address 524-1st National Bank Bldg

State New Mexico

Field Horseshoe

County San Juan

City Santa Fe

Serial Number N.M.-04444

State of New Mexico

Department of the Interior

Geological Survey

UNITED STATES

LOG OF OIL OR GAS WELL

Form 3-330

GRAM GLOB



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company J.R. Abraham
Address 524-1st National Bank Bldg
State New Mexico
Field Horseshoe
County San Juan
City Santa Fe
Serial Number N.M.-04444
State of New Mexico
Department of the Interior
Geological Survey
UNITED STATES

LOG OF OIL OR GAS WELL

Form 3-330