

(SUBMIT IN TRIPLICATE)

Indian Agency Hawai

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allottee _____

Lease No. 14-20-002-2234

Co. Loc. No. 234571

See Attached Map

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			

RECEIVED

SEP 5 1958

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

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

HAWAII TRIM OF INDIANS "T"

September 4, 1958

Well No. 1 is located 600 ft. from N line and 600 ft. from W line of sec. 4

24/4 of 24/4

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

24-N

(Twp.)

17-W

(Range)

-

(Meridian)

Gallegos-Jack

(Field)

San Juan

(County or Subdivision)

New Mexico

(State or Territory)

The elevation of the derrick floor above sea level is later 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)

CASING PROGRAM

CEMENT SCHEDULE

CORING PROGRAM

7 1/2" 20.00' 1500'
6 1/2" 9.54'

Circulate to surface
Circulate to 500' above top of
pay zone

NONE

Note: This well to be drilled from surface to TD with air.
Ballston method of cementing to be used.
Proposed total depth - 1500, to test the Gallegos Oil Sand.



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

Company Humble Oil & Refining Company

Address Box 1000

Midland, Texas

By

BO Livingston

Title

Asst. Div. Chief Clerk

NEW MEXICO OIL CONSERVATION COMMISSION

Well Location and Acreage Dedication Plat

Section A.

Date August 27, 1958

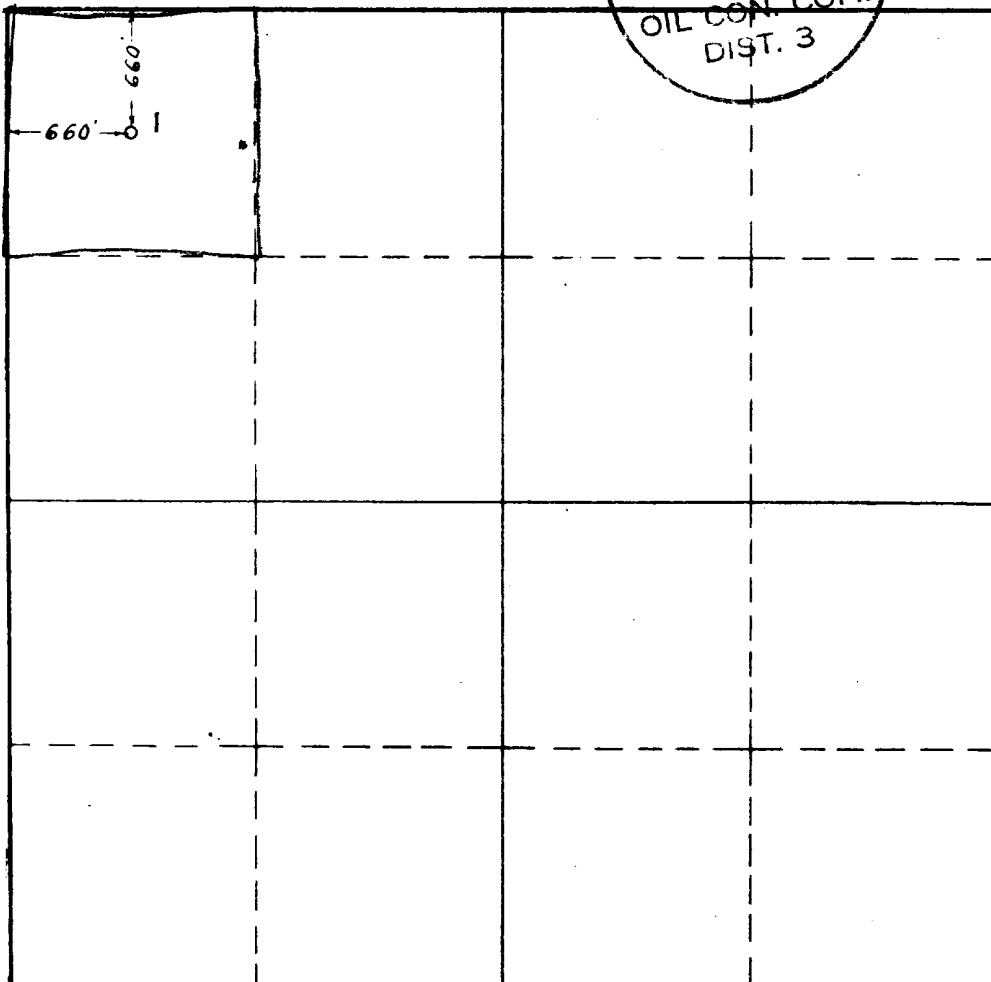
Operator HUMBLE OIL & REFG. CO Lease Navajo Tribe of Indians "F"
Well No. 1 Unit Letter "D" Section 4 Township 31-N Range 17-W NMPM
Located 660 Feet From North Line, 660 Feet From West Line
County San Juan G. L. Elevation _____ Dedicated Acreage 40 Acres
Name of Producing Formation Gallup sand Pool Chimney Rock

1. Is the Operator the only owner* in the dedicated acreage outlined on the plat below?
Yes ✓ 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.

HUMBLE OIL & REFG. CO
(Operator)

H. L. Henoley
(Representative) ✓
Assistant Division Supt.
Box 1600 Midland, Texas
Address

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

Date Surveyed Aug. 22, 1958

W. L. Lamm
Registered Professional
Engineer and/or Land Surveyor.

Certificate No. 1304

LEASE NO. 234871

W-A - 2580

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

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: November 10, 1958

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

Driller	September 10, 1958	September 10, 1958
Commenced drilling	September 23, 1958	October 6, 1958

DEPOSIT AREAS, SANDS OR ZONES

No. 1, from 1147 to 1160 No. 4, from to
No. 2, from to 1161 No. 5, from to
No. 3, from to 1162 No. 6, from to

IMPORTANT WATER SANDS

No. 1, from ~~Mark DeFatted~~ to ~~one~~ ~~William~~ No. 3, from ~~one~~ ~~William~~
No. 2, from ~~one~~ ~~William~~ to ~~one~~ ~~William~~ No. 4, from ~~one~~ ~~William~~

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
7-5/8	26.14	8	J-55	101					
4-1/2	9.44	14	J-55	4214	Reamer		1147	1160	Prod.
2 1/2	1.79	28	J-55	1189	Tag. (The Reamer Drill Pipe)		1-3	1-6	Common Wkg. Bbl.
HISTORY OF CUT OF GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7-5/8"	40'	5 sx Neat	Pumped	Water	
4-1/2"	1227'	70 sx Ideal w/1% Cel Chl. added	Pumped	Drl'd. w/air	
2"	1141'	Tubing	-	-	

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
None						

TOOLS USED

Rotary tools were used from 42' feet to 1227' TD feet, and from _____ feet to _____ feet.

Cable tools were used from Surface feet to 42' feet, and from _____ feet to _____ feet.

DATES

Nov. 4, 1958 Put to producing Nov. 5, 1958

The production for the first 24 hours was 30 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and Trace % sediment. GCR 167 Gravity, °Bé. 36.1

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

Rock pressure, lbs. per sq. in. -----

EMPLOYEES

J. A. Birch	Driller	for Cherokee Air Drilling, Inc.	Driller
E. L. Pleasant	Driller	"	Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1227'	1227'	Sand & Shale. ONLY TOP - Lower Gallup - 1147'

A blank sheet of white graph paper with a light gray grid. The grid consists of 10 columns and 8 rows of squares. There are no markings or text on the page.

LOCATE WELL CORRECTLY

Company Name _____
Address _____
City _____ State _____ Zip _____

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of re-drilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully and in any casing was "sideracked" 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 pings or bridges were put in for test for water, state kind of material used, position, and results of pumping or bailing.

This well was spudded, 8-3/4" hole, at 10:00 AM 9-10-58, by a Spudder Unit. At a depth of 42', 1 1/2" of 7-5/8" 86.4# casing was set at 40', & was cemented with 5 sack Best Cement. Plug pumped to bottom at 4:00 PM 9-10-58. Casing was tested with 1200# & tested OK. The Spudder Unit was released and on 9-23-58, a 6" 100# RIG was moved in, & plug was drilled at 4:00 PM. Drilling with air was continued to a depth of 1150'. COH NO. 1 was out from 1150' to 1171'. Recovered 21' of core, 1150' to 1160', Gray sand with fair fluorescence, 1160' to 1171', shale. No shows. Drilling was resumed to 1220'. 37 lbs. 9.5# Csg. 1210' was set at 1218' & was cemented with 70 sack Best Cement. Plug pumped to bottom 3:50 PM 9-27-58. Tested casing with 1500# & tested OK. Cemented & BOP was in-stalled & Rotary RIG was released at 2:30 PM, 9-28-58. Ran Cement-Ray Newton & Collar Logs, & on 9-29-58, perforated 4 1/2" casing with 4 bullet bar foot. RIGged up to top of log, & under 2800# pressure, BOP, Csg. head & pipe moved up 32". Pipe held pressure OK. After 1 1/2 hours, pipe had settled to within 1' of landed position. Trac RIG was released and a pulling unit was moved in, to pull csg. Well was sand pumped & recovered Janet cement. Pulled all 4 1/2" csg. A 5 1/2" OD sand pump was run & RIG filled up at 406'. Cleaned out hole to 650' & unable to steam up to bottom. Pulling unit was released at 9:00 AM, 10-2-58, and a Cable Tool RIG was moved in, and the hole was cleaned & pulled down to 1227' TD. 37 lbs. of 4 1/2" 9.5# casing was run, 1218' set at 1227'. Cemented with 70 sack Best Cement with 1200# & tested OK. Cable Tool RIG released 10-7-58. On 10-12-58, perforated 4 1/2" casing with 7 jets per foot from 1171' to 1160'. Acidized with 500 gallons mud acid, and sand-oil fractured with 23,100 gal. of 26,000# sand. Average injection rate of 35.6 bbls. per minute at 1500#. Shut in pressure after 10 minutes 600#. Ran 36 lbs. of 2 1/2" tubing, 1131' set at 1171'. Installed pumping unit and sub-surface pumping equipment, and recovered all lost oil. Completed as a pumping oil well in the Lower Gallup zone, perforated section from 1171' to 1160'. Production Test, pumping 17-27" strokes per minute in 2 1/2 hours, well produced 30 bbls. RIG. COH 1671 corrected gravity 36.71 produced 5 bbls. of gas.

HISTORY OF OIL OR GAS WELL

10-55094-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]