

X			

*Well
Plan*

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Indian Agency 17-20-603-21

Co. LEASE NO. 240973

UNIT _____

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 _____	

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

Navajo Tribe of Indians "L"

December 22, 19 60

WELL NO. 2 IS LOCATED 660 FT. FROM SE LINE AND 660 FT. FROM W LINE OF SEC. 26

SW/4 of SW/4 26 29-N 14-W
(1/4 SEC. AND SEC. NO.) (TWP.) (RANGE) (MERIDIAN)
Cha Cha Gallup San Juan New Mexico
(FIELD) (COUNTY OR SUBDIVISION) (STATE OR TERRITORY)

THE ELEVATION OF THE DEPRICK FLOOR ABOVE SEA LEVEL IS 5333 FT.

DETAILS OF WORK

(STATE NAMES OF AND EXPECTED DEPTHS TO OBJECTIVE SANDS; FLOW SIZES, WEIGHTS, AND LENGTHS OF PROPOSED CASINGS; INDIC. S MUDDING JETS; CEMENTING POINTS, AND ALL OTHER IMPORTANT PROPOSED WORK.)

Perforated $4\frac{1}{2}$ " csg from 5375 - 5386' w/2 shots per ft. Frac perf from 5375 - 5386' w/30,000 Gal lse oil and 17,000# sand. avg inj rate 19.5 BPM. Clean out 85' of sand. Ran 2" tbg set at 5350'. Swabbed well off. All load oil recovered 9-25-60. On potential test of 9-25-60, well produced 254 bbbs PLO on 1/3" choke.

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 2347, Hobbs, N.M.

BY ARVIN D. EADY
ORIGINAL SIGNED

TIME ASBT

Indian Agent
(SUBMIT IN TRIPLICATE)

LAND OFFICE 14-20-603-2172

Co. LEASE NO. 240973

UNIT

X			

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 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			

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

NAVAJO TRIBE OF INDIANS "L" SEPTEMBER 19, 1960

WELL NO. 2 IS LOCATED 660 FT. FROM {S} LINE AND 660 FT. FROM {E} LINE OF SEC. 26
 SW/4 of SW/4 26 29=N 14=W
 (1/4 SEC. AND SEC. NO.) (TWP.) (RANGE) (MERIDIAN)
 OJO-GALLUP SAN JUAN NEW MEXICO
 (FIELD) (COUNTY OR SUBDIVISION) (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.)

Completed hole at 5:45 A.M. 9-7-60. Ran 5471' (173) Jts 4-1/2" 9.5# J-55 casing set at 5487'. Cemented with 175 sacks reg cement with 15% gel, 1/4# flo-seal per sack, 4/10 of 1% HR7. Plug on bottom 3:30 A.M. 9-3-60. Top of cement 3100' (calculated). Tested casing with 1400# for 30 minutes-no drop in pressure.

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 2347, Hobbs, New Mexico

BY ORIGINAL ARVIN D. EADY
SIGNED

TITLE Agent

(SUBMIT IN TRIPLICATE)

Co. LEASE NO. 240973

UNIT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

X			

Dist file

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL _____	SUBSEQUENT REPORT OF WATER SHUT-OFF _____	<input checked="" type="checkbox"/>
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 _____	Begin Drilling Operations _____	

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

NAVAJO TRIBE OF INDEAN "L"

AUGUST 29, 19 60

WELL NO. 2 IS LOCATED 660 FT. FROM (N) LINE AND 660 FT. FROM (W) LINE OF SEC. 26

SW/4 of SW/4 29-N 14-W
(1/4 SEC. AND SEC. NO.) (TWP.) (RANGE) (MERIDIAN)
OJO GALLUP SAN JUAN NEW MEXICO
(FIELD) (COUNTY OR SUBDIVISION) (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 MIDDING JOBS, CEMENTING POINTS, AND ALL OTHER IMPORTANT PROPOSED WORK.)

Spudded 11" hole 8:00 P.M. 8-26-60. Ran 208' (5 Jts) 7-5/8" OD H-40 casing set at 22'. Cement with 150 sacks reg cement, 2% cal chlo. POB 5:15 A.M. 8-27-60. Cement circulated. Tested 7-5/8" casing with 1000# for 30 minutes-no drop in pressure. Drilling.

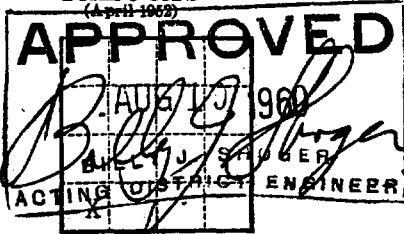
I UNDERSTAND THAT THIS PLAN OF WORK MUST RECEIVE APPROVAL IN WRITING BY THE GEOLOGICAL SURVEY BEFORE OPERATIONS MAY BE COMMENCED.

COMPANY Humble Oil & Refining Company

ADDRESS Box 2347, Hobbs, New Mexico

BY _____

TITLE Agent



(SUBMIT IN TRIPPLICATE)

Indian Agency 14-20-603-2172

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Allettee _____
Co. Lease No. 240973

SUNDRY NOTICES AND REPORTS ON WELLS

Well file

NOTICE OF INTENTION TO DRILL	X	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)

Navajo Tribe of Indians "I"

August 17, 1960

Well No. 2 is located 660 ft. from ^XS line and 660 ft. from ^XW line of sec. 26

SW/4 of SW/4 26
(1/4 Sec. and Sec. No.)

29-N
(Twp.)

14-W
(Range)

Meridian
(Meridian)

Ojo - Gallup
(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)

SEE ATTACHED PAGE

RECEIVED

AUG 19 1960

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

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 Co.

Address Box 1600

Midland, Texas

By C. D. East

Title Area Adm.

Approved subject to the running of approx. 200' of surface csg. & circulating cement on it.

PROPOSED CASING PROGRAM

<u>Size</u>	<u>Wt.</u>	<u>Depth</u>	<u>New or Second Hand</u>	<u>Cementing Program</u>	<u>Method</u>
4"	9.5#	5500'	New	Circulate 1st stage cement to above top of Point Lookout @ approximately 3700'. 2nd stage cement the top 200' of the 4½" casing using a stage tool or cement thru a string of small tubing down the annulus and circulate to surface.	HOWCO

There is no known fresh water in the immediate area. Should fresh water be present, the 2nd stage cementing of the production string from 200' to surface will afford protection.

Minimum mud for samples to top of pay zone. Drilling pay with crude oil.

Proposed TD 5500' to test the Gallup.

RECEIVED

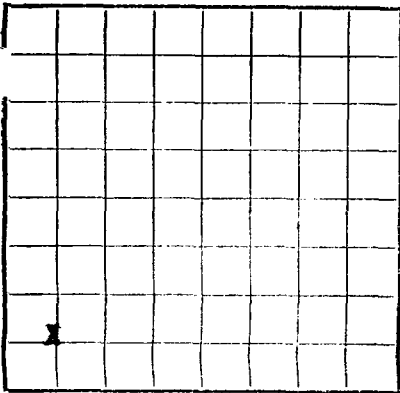
AUG 19 1960

U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

Indian Agency 14-20-603-2172

SERIAL NUMBER 240973

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Humble Oil & Refining Company Address Box 2347, Hobbs, New Mexico
Lessor or Tract Havajo Tribe of Indians L Field Cha Cha Gallup State New Mexico
Well No. 2 Sec. 26 T. 29N R. 14W Meridian NMPM County San Juan
Location 4620 ft. [N] of N Line and 4620 ft. [E] of E Line of Sec. 26 Elevation 5033 DF
(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. ORIGINAL
Signed SIGNED ARVIN D. EADY

Date December 22, 1960 Title Agent

The summary on this page is for the condition of the well at above date. Date Well Completed: 9-26-60

Commenced drilling August 26, 1960 Finished drilling September 7, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5375 to 5386 No. 4, from 5386 to 5386
No. 2, from 5386 to 5386 No. 5, from 5386 to 5386
No. 3, from 5386 to 5386 No. 6, from 5386 to 5386

IMPORTANT WATER SANDS

No. 1, from 5386 to 5386 No. 3, from 5386 to 5386
No. 2, from 5386 to 5386 No. 4, from 5386 to 5386

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From-	To-	
<u>7 5/8</u>	<u>24</u>	<u>8</u>	<u>Halliburton</u>	<u>5386</u>	<u>None</u>	<u>5386</u>	<u>5386</u>	<u>5386</u>	<u>Surface</u>
<u>4 1/2</u>	<u>9.7</u>	<u>8</u>	<u>Halliburton</u>	<u>5386</u>	<u>None</u>	<u>5386</u>	<u>5386</u>	<u>5386</u>	<u>5386</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>5/8</u>	<u>221</u>	<u>150</u>	<u>Halliburton</u>	<u>-</u>	<u>-</u>
<u>4 1/2</u>	<u>5687</u>	<u>175</u>	<u>Halliburton</u>	<u>-</u>	<u>-</u>

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
<u>None</u>	<u>None</u>	<u>None</u>	<u>None</u>	<u>None</u>	<u>None</u>	<u>None</u>

TOOLS USED

Rotary tools were used from 0 feet to 5492 feet, and from - feet to - feet
Cable tools were used from - feet to - feet, and from - feet to - feet

DATES

Put to producing September 25, 1960
The production for the first 24 hours was 254 barrels of fluid of which 100 % was oil; - %
emulsion; - % water; and - % sediment. Gravity, °Bé. 10.4
If gas well, cu. ft. per 24 hours - Gallons gasoline per 1,000 cu. ft. of gas -
Back pressure lbs. per sq. in. -

FOLD MARK

A. H. Wheeler

B. R. Day

, Driller

, Driller

J. S. Wortman

, Driller

, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	5492	5492 TD	Shale and Sand
			<u>Formation Tops</u>
			La-Ventona 1290
			Cliff House 2248
			Point Lockout 3835
			Mancos Shale 4105
			Gallup 5012
FROM-	TO-	TOTAL FEET	FORMATION

[OVER]

FORMATION RECORD - CONTINUED

MIDDING AND CEMENTING RECORD

HISTORY OF OIL OR GAS WELL

10-43004-2 U. S. GOVERNMENT PRINTING OFFICE

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.

DATE	DEPT.	WELL NO.	DEPTH	REMARKS	TYPE OF WORK	BY WHOM	LOCATION	STATE	COUNTY
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Spudded 11" hole at 8:00 PM 8-26-60. Ran 205' of 7 5/8" 24# casing, set at 221, w/150' cement. Ran 5471' of 4 1/2" 9.5# casing, set at 5487, cement w/175' cement.

Drilled to a total depth of 5492.

Perforated 4 1/2" casing from 5375 to 5386 w/2 shots per ft.

Free perforated from 5375 to 5386 w/30,000 gals of lease oil and 17,500# sand, averaging injection rate of 19.5 BPM. All lease oil recovered 9-23-60.

(Denote gas by G)

OIL OR GAS SANDS OR ZONES

Commenced drilling _____ to _____ Finished drilling _____ to _____

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

Date _____ Title _____

so far as can be determined from all available records.

The information given herewith is a complete and correct record of the well and all work done thereon.

Well No. _____ of _____ line and _____ of _____ line of _____ section _____

Owner or lessor of _____ State _____

Company _____ Address _____

FOCALTE WELLS CORRECTLY

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

NAME OF WELL OR PROJECT _____
 SERIAL NUMBER _____
 SECTION _____
 TOWNSHIP _____ RANGE _____
 750000-100-15-31-00
 BUREAU OF REVENUE NO. 43-13297

WELLBORE DIAGRAM

PF
K.B. ELEV.: 5833
K.B. CORRECTION: _____
G.L. ELEV.: _____

HOLE SIZE: 11" _____

7 5/8" # 440 GRADE
SET AT 221'
CEMENT WITH 150' SX
Top of Cement at Surf'

HOLE SIZE: 6 3/4" _____

D.V. tool @ _____'
Cement with _____ SX

*TOP PERF: 5375

FIELD: Cha Cha
FORMATION: Gallup

*BOT PERF: 5386

PBTD: 5487'

TOTAL DEPTH: 5492'

*INDIVIDUAL PERFS: 5375-86

4 1/2" 9.5 # 555 GRADE
SET AT 5487'
CEMENT WITH 175' SX _____ STGS
Top of cement at 3100'

SPF = _____ HOLES

LEASE NAME: Cha Cha WELL NO.: 2614 26-16

WELLBORE DIAGRAM AS OF DATE: 11/1/90

STATE: NM COUNTY: San Juan UNIT: M SECTION: 26

TOWNSHIP: 29N RANGE: 14W LEGAL: 6603 660W

OPERATOR: SOI WORKING INTEREST: _____ ROYALTY INTEREST: _____

COMPLETION DATE: 9/26/60 CURRENT STATUS: (PIP) (FLOW) (INJ) (T/A) (SI) Active

REMARKS: