



IN REPLY REFER TO:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
P. O. Box 965  
Farmington, New Mexico

July 12, 1946

Humble Oil & Refining Company  
Box 1600  
Midland, Texas

Re: Jicarilla Contract #38

Gentlemen:

Receipt is acknowledged of your "Notice of Intention to Drill" dated July 10, 1946 covering your well No. 4 Jicarilla Apache Tribe of Indians "N" in NE1 NE1 sec. 31, T. 24 N., R. 5 W., N.M.P.M., Rio Arriba County, New Mexico, Otero Pic Cliffs.

Your proposed work is hereby approved subject to compliance with the provisions of the "Oil and Gas Operating Regulations" revised May 25, 1944, a copy of which will be sent to you on request, and subject to the following conditions:

1. Drilling operations so authorized are subject to the attached sheet for general conditions of approval.
2. Furnish copies of all logs.

Very truly yours,

P. T. McGrath  
District Engineer

PTMcGrath:ac  
cc - Jicarilla Agency



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



(SUBMIT IN TRIPLICATE)

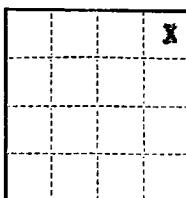
Indian Agency Jicarilla

Contract No. 38

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Allottee \_\_\_\_\_

Lease No. 163111



See attached plat

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			

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

JICARILLA APACHE TRIBE  
OF INDIANS "H"

Midland, Texas

July 10, 1956

Well No. 4 is located 990 ft. from N line and 790 ft. from E line of sec. 31

NE 1/4 Sec. 31 T-24-N, R-5-W --  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Otero Pictured Cliffs Rio Arriba New Mexico  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 1287 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		
Size	Weight	Depth
8-5/8"	24#	150'
4-1/2"	11#	2300'

CEMENTING RECORD	
Circulate to surface	
Circulate to 8-5/8" casing.	

CONING PROGRAM	
None	

Proposed total depth 2300', to test Pictured Cliffs.  
Oil water emulsion drilling mud.  
Halliburton method of cementing.

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 1800

Midland, Texas

By [Signature]

Title Division Chief Clerk



NEW MEXICO  
OIL CONSERVATION COMMISSION

Form C-128

Well Location and/or Gas Proration Plat

Date JULY 6, 1956

Operator HUMBLE OIL & REFINING COMPANY

Lease JICARILLA APACHE TRIBE OF INDIANS "H"

Well No. 4 Section 31 Township 24 NORTH Range 5 WEST NMPM

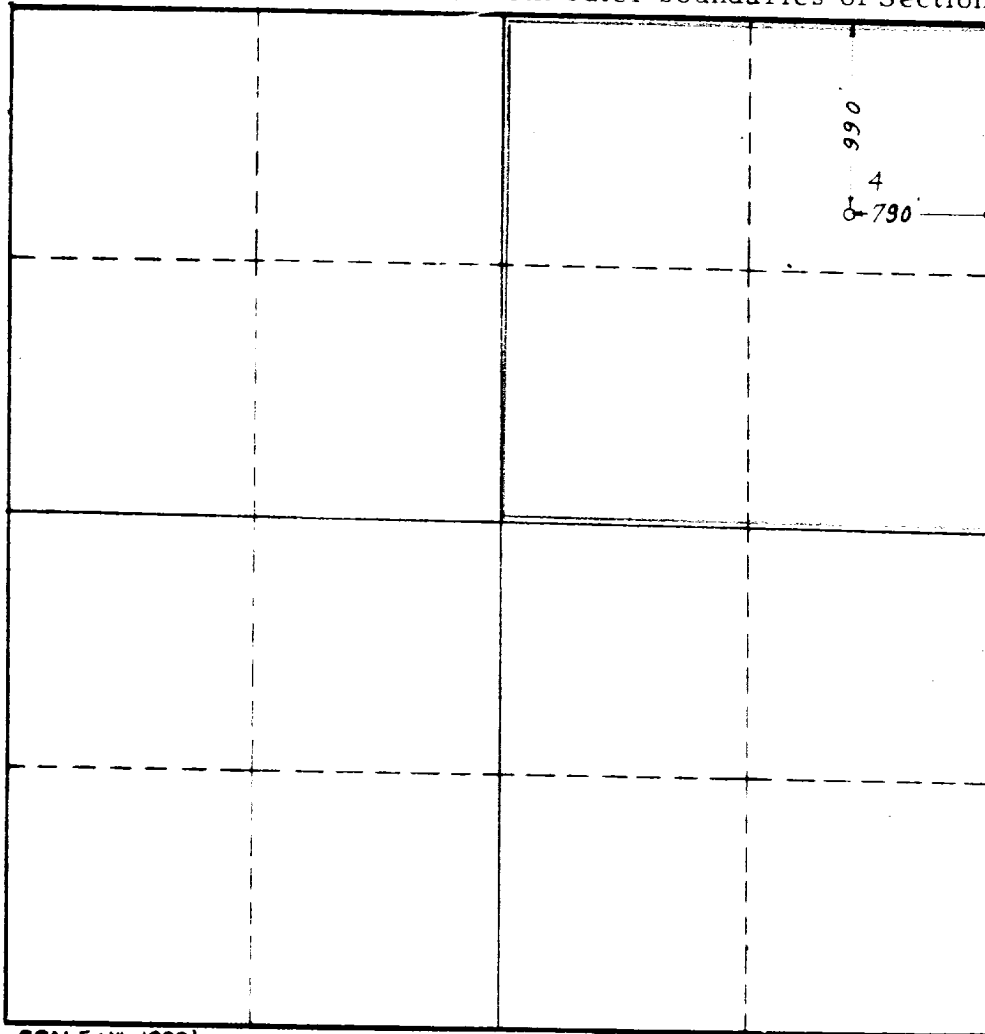
Located 990 Feet From NORTH Line, 790 Feet From EAST Line,

RIO ARRIBA

County, New Mexico. G. L. Elevation \_\_\_\_\_

Name of Producing Formation PICTURED CLIFF Pool OTERO PICTURED CLIFF Dedicated Acreage 160

(Note: All distances must be from outer boundaries of Section)



SCALE: 1" = 1000'

1. Is this Well a Dual Comp. ? Yes No \_\_\_\_\_
2. If the answer to Question 1 is yes, are there any other dually completed wells within the dedicated acreage? Yes \_\_\_\_\_ No \_\_\_\_\_

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Name H. L. Hensley  
Position ASSISTANT DIVISION SUPERINTENDENT  
Representing HUMBLE OIL & REFINING COMPANY  
Address BOX 1600 MIDLAND, TEXAS

Date Surveyed 7-4-56  
E. T. Shahan  
Registered Professional Engineer and/or  
Land Surveyor LSE. NO. 163111 CONTRACT NO. 32  
W-A 2166