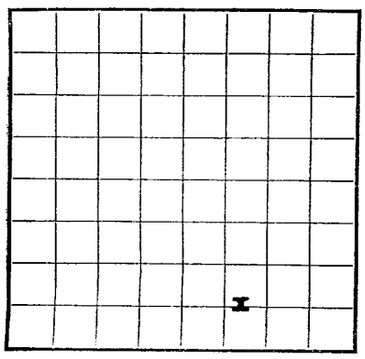
Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE _____

SERIAL NUMBER _____

LEASE OR PERMIT TO PROSPECT 14-20-603-2199



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Humble Oil & Refining Company Address P. O. Box 3082, Durango, Colorado

Lessor or Tract N. W. Cha Cha Unit Field Cha Cha Gallup State New Mexico

Well No. 34-16 Sec. 16 T. 29N R. 14W Meridian NMPM County San Juan

Location 660 ft. {N./S.} of S Line and 1830 ft. {E./W.} of E Line of Section 16 Elevation 5191'
(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 B. M. Bradley

Date January 8, 1963 Title District Production Super.

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

Commenced drilling 10-26-62, 19__ Finished drilling 11-8-62, 19__

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4720 to 4798 No. 4, from _____ to _____

No. 2, from _____ to _____ 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 From—	Perforated To—	Purpose
8-5/8"	24#	8rd	H-40	197'	Guide				Surface
4½"	9.5#	8rd	J-55	4944'	Guide				Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	207'	125			
4½"	4857'	500			

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

TOOLS USED

Rotary tools were used from 0 feet to 4945' feet, and from 0 feet to 0 feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19__ Put to producing 12-25-62, 19__

The production for the first 24 hours was 17 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 41° @ 60°

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

Rock pressure, lbs. per sq. in.

FOLD | MARK

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HISTORY OF OIL OR GAS WELL

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.

Spudded 10-26-62.

No drill stem tests taken.

No cores taken.

Ran IES, GR-N, and Caliper logs.

Completed 12-25-62 as an oil well, pumped 17 bbls oil & 0 water in 24 hrs thru open choke from Cha Cha Gallup & Lower Horseshoe Gallup, 4720-98, 8' net pay after frac. Estimated GOR 800 cu ft./bbl.

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NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103
(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

Name of Company	Address
Humble Oil & Refining Company	Box 3082, Durango, Colorado

Lease	Well No.	Unit Letter	Section	Township	Range
NW Cha Cha Pressure Main Project	34-16	O	16	29N	14W

Date Work Performed	Pool	County
4-23-64	Cha Cha Gallup	San Juan

THIS IS A REPORT OF: *(Check appropriate block)*

☐ Beginning Drilling Operations ☐ Casing Test and Cement Job ☐ Other *(Explain)*:

☐ Plugging ☐ Remedial Work **Convert well to water injection**

Detailed account of work done, nature and quantity of materials used, and results obtained.

Well converted to water injection: 4-24-64.

This well is now included in NW Cha Cha Pressure Maintenance Project Area in accordance with NMOCC Order PMX No. 9 dated March 5, 1964.

RECEIVED
MAY 4 1964
OIL CON. COM.

Witnessed by	Position	Company
H. L. Farris	Dist. Foreman	Humble Oil & Refining Company

FILL IN BELOW FOR REMEDIAL WORK REPORTS *ONLY*

ORIGINAL WELL DATA

D F Elev.	T D	P B T D	Producing Interval	Completion Date

Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth

Perforated Interval(s)

Open Hole Interval	Producing Formation(s)

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved by	Name
Original Signed By A. R. KENDRICK	COPY (ORIGINAL SIGNED) B. M. BRADLEY
Title	**Position**
PETROLEUM ENGINEER DIST. NO. 3	District Production Superintendent
Date	**Company**
MAY 4 1964	Humble Oil & Refining Company