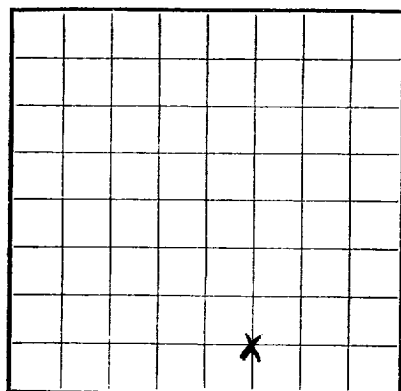
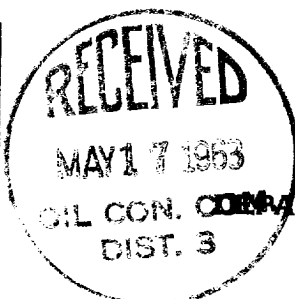




LOCATE WELL CORRECTLY

U. S. LAND OFFICE
SERIAL NUMBER 14-20-603-2033
LEASE OR PERMIT TO PROSPECTUNITED 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 Navajo Tribe Of Indians G Field Horseshoe Gallup State New Mexico
Well No. 278 Sec. 1 T. 31N R. 17W Meridian N.M.P.M. County San Juan
Location 660 ft. $\left\{ \begin{smallmatrix} N \\ S \end{smallmatrix} \right\}$ of S Line and 1980 ft. $\left\{ \begin{smallmatrix} E \\ W \end{smallmatrix} \right\}$ of E Line of Section 1 Elevation 5293'
(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 **COPY (ORIGINAL SIGNED) B. M. BRADLEY** B. M. BradleyDate May 15, 1963 Title District Production Supr.

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

Commenced drilling 4-30, 1963 Finished drilling 5-5, 1963

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1211 to 1223 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		Purpose
							From—	To—	
<u>8 5/8"</u>	<u>21</u>	<u>8/10</u>	<u>J-L</u>	<u>27</u>	<u>27</u>	<u>1211</u>			<u>Surface</u>
<u>4 1/2"</u>	<u>12</u>	<u>8/10</u>	<u>J-L</u>	<u>100</u>	<u>100</u>	<u>1223</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>8 5/8"</u>	<u>38'</u>	<u>22</u>			
<u>4 1/2"</u>	<u>1268'</u>	<u>100</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

TOOLS USED

Rotary tools were used from 0 feet to 1268 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing 5-11-63

The production for the first 24 hours was 216 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. _____

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>1058</u>	<u>1058</u>	<u>Mancos</u>
<u>1058</u>	<u>1094</u>	<u>36</u>	<u>Gallup</u>
<u>1094</u>	<u>1212</u>	<u>118</u>	<u>Horseshoe</u>
<u>1212</u>	<u>1268 TD</u>	<u>56</u>	<u>Tocito Sand</u>

(OVER)

FORMATION RECORD—CONTINUED

16-45084-4

