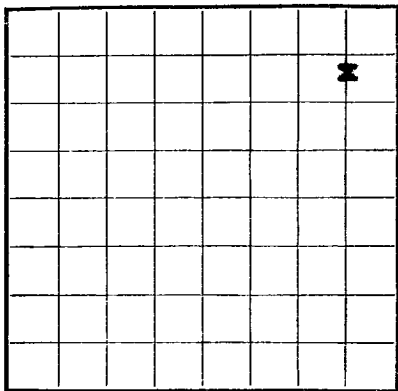




LOCATE WELL CORRECTLY



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

U. S. LAND OFFICE
SERIAL NUMBER **14-20-603-2033**
LEASE OR PERMIT TO PROSPECT

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** Field **Horseshoe Gallup** State **New Mexico**
Well No. **19** Sec. **1** T. **31N** R. **17W** Meridian **N.M.P.M.** County **San Juan**
Location **660** ft. **N.** of **11** Line and **660** ft. **E.** of **W** Line of **Section 1** Elevation **5364'**
(Derrick floor relative to sea)

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) D. V. EMERY** **D. V. Emery**

Date **August 9, 1963** Title **District Engineer**

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

Commenced drilling **July 8,** 19**63** Finished drilling **July 10,** 19**63**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **1284** to **1291** 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—	
7" 16.5	80.4	8	55	1330'					Production
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7" 16.5	31'	6			
	1330'	32 55			

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 _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to **1330** feet, and from _____ feet to _____ feet

DATES

_____ 19**63** Put to producing _____ 19**63**
The production for the first 24 hours was _____ barrels of fluid of which **August 5,** **100** % was oil; **63** %
emulsion; _____ % water; and _____ % sediment. **19** 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
0	1132	1132	Mancos
1132	1284	152	Gallup #1 Point
1284	1300	16	Tecito Sand
1300	1330 TD	30	Sanastoe

