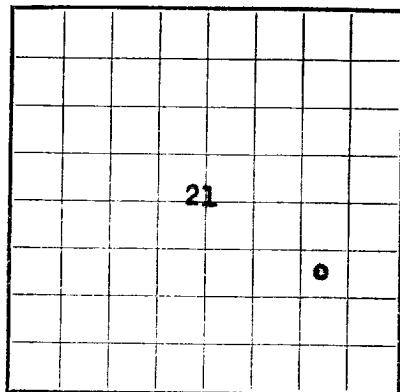
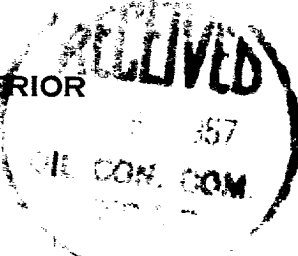




LOCATE WELL CORRECTLY

Indian Agency: Navajo U. S. LAND OFFICE
Allottee: Tah nez bah SERIAL NUMBER
Contract No. 14-20-603-1396
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Gulf Oil Corporation Address P. O. Box 2097, Denver, Colorado
Lessor or Tract Tah nez bah Heirs-Navajo Field Unnamed State New Mexico
Well No. 1 Sec. 21 T. 25N R. 11W Meridian NMPM County San Juan
Location 1623 ft. N. of S. Line and 923 ft. E. of E. Line of Section Elevation 6527'
(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 BY
W. D. MITCHELLDate August 1, 1957 Title Zone Drilling Engineer

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

Commenced drilling 6-23, 19 57 Finished drilling 7-5, 19 57

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4780 to 4877 (O&G) No. 4, from 4938 to 4974 (G)
No. 2, from 4850 to 4872 (O&G) No. 5, from _____ to _____
No. 3, from 4892 to 4910 (O&G) No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 365 to 495 No. 3, from 3530 to 3560
No. 2, from 2050 to 2525 No. 4, from 3750 to 3930
2745 2810

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>8RT</u>	<u>SS</u>	<u>312</u>	<u>Guide</u>	<u>Surface</u>	<u>4938</u>	<u>4948</u>	<u>Surface</u>
<u>5-1/2</u>	<u>31</u>	<u>8RT</u>	<u>SS</u>	<u>5080</u>	<u>Float</u>	<u>4948</u>	<u>4957</u>	<u>4960</u>	<u>Production</u>
<u>2-3/8"</u>	<u>tubing</u>	<u>set at</u>	<u>4937'</u>	<u>HERNDON DRILLING COMPANY</u>	<u>CHINA</u>	<u>CHINA</u>	<u>4969</u>	<u>4975</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>322</u>	<u>325</u>	<u>HOWCO</u>	<u>-</u>	<u>-</u>
<u>5-1/2</u>	<u>5078</u>	<u>125</u>	<u>-</u>	<u>-</u>	<u>-</u>

PLUGS AND ADAPTERS

Heaving plug—Material None Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
<u>None</u>						

TOOLS USED

Rotary tools were used from surface feet to 5080 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Well shut in 7-23-57 for
Put to producing lack of pipeline connection., 19____

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

If gas well, cu. ft. per 24 hours 3275 MCF Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. After 70 hours SI: Deadweight Casing Pressure 1294 psig
EMPLOYEES BHP @ 4956 1505 psigHerndon Drilling Company, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	495	495	Sand with shale
495	1295	800	Shale with sand and silt streaks
1295	1410	115	Sand with shale streaks, some limestone
1410	1680	270	Shale with sand and silt streaks
1680	2050	370	Interbedded sand, silt and shale
2050	2810	760	Sand with some interbedded shale
2810	3750	940	Shale and sand interbedded
3750	3930	180	Sand with shale streaks
3930	4780	850	Shale with some silt and sand streaks.
4780	TD	300	Interbedded sand, shale and silt
E-Log Tops:			
	Pictured Cliffs	1335'	
	Lewis	1410'	
	Mesaverde	2052'	
	Point Lookout	3754'	
	Mancos	3933'	
	1st Gallup	4780'	
	2nd Gallup	4846'	
	3rd Gallup	4937'	

