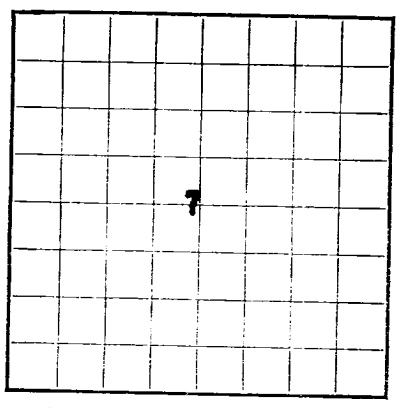
Form 9-330

Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

U. S. LAND OFFICE Jicarilla
SERIAL NUMBER Tribal
LEASE OR PERMIT TO PROSPECT Contract No. 69, Tract 131



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Gulf Oil Corporation Address Box 2097, Denver 1, Colorado
Lessor or Tract Apache Field Otero - Pictured Cliffs State New Mexico
Well No. 6 Sec. 7 T. 24N R. 5W Meridian NMPM County Rio Arriba
Location 1650 ft. {N./S.} of N Line and 1650 ft. {E./W.} of E Line of Section 7 Elevation 6580'
(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

Date August 7, 1956 Title Area Sup't. of Production

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

Commenced drilling 5-19, 1956 Finished drilling 6-15, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2320 to 2425 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 170 to 220 No. 3, from 1290 to 1390
No. 2, from 950 to 1110 No. 4, from 1600 to 1970

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#	8 Round	EW	162'	-	-	-	-	Surface
4-1/2"	9.50#	8 Round	EW	2443'	Baker	-	2336	2400	Production
							2376	2388	
							2422	2434	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	169'	100 sacks	Pump & plug	-	-
4-1/2"	2445'	125 Sacks	" "	-	-

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size PBTD 2443', did not drill out casing plug.

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 2445 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

, 19 Put to producing 7-13, 1956

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 6,236 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 694

EMPLOYEES

Banner Drilling Company, Driller , Driller
, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	200'	200'	Unconsolidated sands and shales.
200'	500'	300'	Predominantly sandstone with minor intervals of shale.
500'	780'	280'	Predominantly shale.
780'	1110'	330'	Predominantly shale with a few water bearing sandstone from 30' to 50' thick.
1110'	2320'	1210'	Predominantly shale with occasional sandstone beds, coal seams in the lower portion - shale, gray to black, carbonaceous, sandy, soft sandstone, white, medium to coarse grain, loose with green to black inclusions.
2320'	2430'	110'	Predominantly sandstone, gray to grayish white, fine to medium grain, sub-rounded to sub-angular, well sorted, hard, medium porosity, with green, red, black inclusions - gas bearing sandstone.
2430'	2445'	15'	Lewis shale.

FOLD | MARK

[OVER]

16—43094-3

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]

FROM—	TO—	TOTAL FEET	FORMATION
[illegible]	[illegible]	[illegible]	[illegible]

FORMATION RECORD

Drillers ..... Drillers .....

Drillers ..... Drillers .....

EMPLOYEES

DATES

Date to production ..... 19..

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

Rock pressure, lbs. per sq. in. .....

CASING RECORD

Size	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

CASING AND TUBING RECORD

Size	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SHOOTING RECORD

Size shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Rotary tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

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

TOOLS USED

PRODUCING RECORD

Producing zone ..... Depth to top ..... Depth to bottom .....

Initial production ..... Gravity ..... Gas ..... Water .....

Hourly pipe—Initial ..... Final .....

Adapters—Initial ..... Size .....

PERFORATING RECORD

Size shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

ACIDIZING RECORD

Size	Gallons used	Date	Depth treated	Results
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

SHOOTING RECORD

Size	Kind of explosive used	Depth shot	Depth cleaned out
[illegible]	[illegible]	[illegible]	[illegible]

PRODUCTION RECORD

First production ..... 19..

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

Gravity, °Be' .....

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

Rock pressure, lbs. per sq. in. .....

EMPLOYEES

Drillers ..... Drillers .....

Drillers ..... Drillers .....

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
[illegible]	[illegible]	[illegible]	[illegible]

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

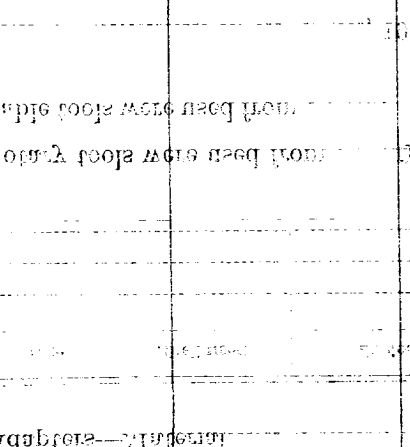
LEASE OR PERMIT TO PROSPECT .....

SERIAL NUMBER .....

U. S. LAND OFFICE .....

Budget Bureau No. 42-R355.3.
Approval expires 12-31-53.

LOCATE WELL CORRECTLY



Company ..... Address .....

Lessor or Tract ..... Field ..... State .....

Well No. ..... Sec. ..... T. ..... R. ..... Meridian ..... County .....

Location ..... ft. {N. / S.} of ..... Line and ..... ft. {E. / W.} of ..... Line of ..... Elevation .....
(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 .....

Date ..... Title .....

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

Commenced drilling ..... 19.. Finished drilling ..... 19..

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from ..... to ..... 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	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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 drilling, 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.

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

FORM 9-330