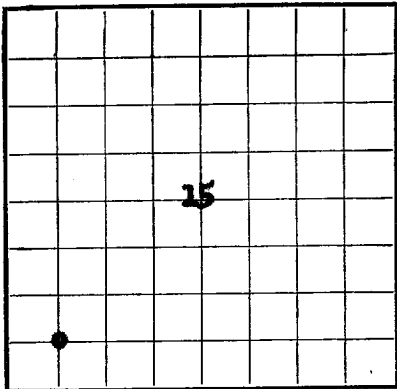


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078859
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED 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 South Huerfano-Federal Field Unnamed State New Mexico
Well No. 1-X Sec. 15 T. 24N R. 9W Meridian NMPM County San Juan
Location 660 ft. N of S Line and 640 ft. E of W Line of Section Elevation 6775'
(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 F. W. D. MITCHELL

Date 10-7-57 Title Area Production Manager

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

Commenced drilling 8-23, 1957 Finished drilling 8-29, 1957

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 5266 to 5292 G No. 4, from _____ to _____
No. 2, from 5305 to 5311 G No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 540 to 565 No. 3, from 2487 to 2530
No. 2, from 865 to 930 No. 4, from 4090 to 4183
965 1030

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>24</u>	<u>8PT</u>	<u>SS</u>	<u>296</u>	<u>Guide</u>	<u>Surface</u>	<u>5306</u>	<u>5312</u>	<u>Surface</u>
<u>5-1/2</u>	<u>14</u>	<u>8PT</u>	<u>SS</u>	<u>5368</u>	<u>Guide and float</u>	<u>5306</u>	<u>5312</u>	<u>5312</u>	<u>Production</u>
<u>Set 2-3/8" tubing at 5324. THIS IS OK. OK OK OK OK OK OK OK OK OK OK</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>306</u>	<u>250</u>	<u>SLURRY</u>	<u>-</u>	<u>-</u>
<u>5-1/2</u>	<u>5398</u>	<u>135</u>	<u>SLURRY</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 PB with cement to 5365'

Rotary tools were used from Surface feet to 5400 feet, and from _____ feet to _____ feet
Cable tools were used from for completion feet to _____ feet, and from _____ feet to _____ feet

DATES

Shut in 10-1, 1957 for lack of pipeline Put to producing _____, 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 *2725 MCF/D Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____ * Indicated open flow potential.
BHP - 1454 psig - 24 hours SI

EMPLOYEES

Ferry Hanson Drilling - RT, Driller _____, Driller _____
Rota-Cone - CT, Driller _____, Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>Surface</u>	<u>863</u>	<u>863</u>	<u>Shale with sand and silt</u>
<u>863</u>	<u>1050</u>	<u>187</u>	<u>Sand with shale partings</u>
<u>1050</u>	<u>1625</u>	<u>575</u>	<u>Shale with sand and silt</u>
<u>1625</u>	<u>1790</u>	<u>165</u>	<u>Interbedded sand and shale</u>
<u>1790</u>	<u>2485</u>	<u>695</u>	<u>Shale with silt and sand</u>
<u>2485</u>	<u>4285</u>	<u>1800</u>	<u>Interbedded silt, sand and shale</u>
<u>4285</u>	<u>5135</u>	<u>850</u>	<u>Shale with some silt</u>
<u>5135</u>	<u>TD</u>	<u>218</u>	<u>Interbedded sand, shale and silt</u>
<u>Below Top</u>			
<u>Pictured Cliffs</u>			
<u>Lewis</u>			
<u>Mesaverde</u>			
<u>Pt. Lookout</u>			
<u>Mancos</u>			
<u>1st Gallup</u>			
<u>2nd Gallup</u>			
<u>3rd Gallup</u>			
<u>1635'</u>			
<u>1745'</u>			
<u>2487'</u>			
<u>4090'</u>			
<u>4234'</u>			
<u>5110'</u>			
<u>5184'</u>			
<u>5267'</u>			

(OVER)

FORMATION RECORD—Continued

INVESTOR PERMIT TO PROSPECT
MINERAL NUMBER
U.S. LAND OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

A blank sheet of graph paper with a grid pattern. The grid consists of 10 columns and 8 rows of squares. There are some faint marks and smudges on the paper, particularly near the center and bottom right.

The information given herewith is a complete and correct record of the well and all work done thereon as far as can be determined from all available records.

Signed _____
J. W. D. M. T. R. E. C.

Location _____ of _____
_____ of _____
_____ of _____

Well No. _____
_____ Meridian
_____ Township _____ County _____ State _____

District or Tract _____

_____ Address _____

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

NO ZONES OR GAS BANDS

(b) (5) DPP, (b) (7)(C)

07	Nov 11	Nov 11	Nov 11
03	Nov 11	Nov 11	Nov 11
01	Nov 11	Nov 11	Nov 11

IMPORTANT WATER SAVING

[illegible]

Account	Amount	Kind of shoe	Color	To	By
5306 - 5312		with 2 bullets and 2 jets per foot - black			
5265 - 5282		with 2,000 bullets and 2,000 sand			

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 abandoned, 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.

HISTORY OF OIL OR GAS WELL

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

FROM-	TO-	TOTAL FEET	FORMATION
Core #1, 4070' - 4086'	4070' - 4086'	16'	Recovered 15-1/2' sand and shale, no show.
Core #2, 4086' - 4117'	4086' - 4117'	31'	Recovered 54-1/2' sand, no show.
Core #3, 5250' - 5300'	5250' - 5300'	50'	Recovered 17' shale 15' sand, bleeding oil and gas 14' sand, trace bleeding oil and gas 9 1/2' sand, spotty fluorescence.
Core #4, 5300' - 5353'	5300' - 5353'	53'	Recovered 17' shale 2' sand, Red fluorescence 13' siltstone, spotty fluorescence.

FORMATION RECORD—continued