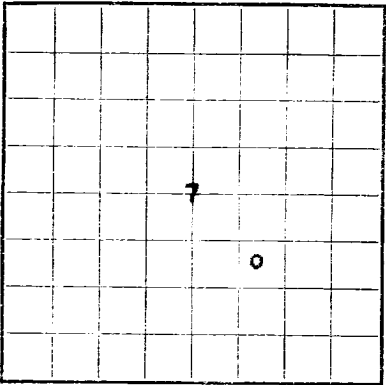




LOCATE WELL CORRECTLY



U. S. LAND OFFICE **Jicarilla Tribal**
SERIAL NUMBER **859**
LEASE OR PERMIT TO PROSPECT
Contract No. **62839**

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Gulf Oil Corporation Address Box 1346, Salt Lake City, Utah
Lessor or Tract Apache Federal Field Basin-Dakota State New Mexico
Well No. 13 Sec. 7 T. 24 R. 34 Meridian Pio. Arriba County _____
Location 1650 ft. N. of S. Line and 1650 ft. E. of E. Line of Section 7 Elevation 6482'
(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
Signed _____ Title Area Production Manager

Date May 31, 1961
The summary on this page is for the condition of the well at above date.

Commenced drilling 5-5, 19 61 Finished drilling 5-19, 19 61

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

No. 1, from 2176' to 2212' (G) No. 4, from _____ to _____
No. 2, from 5466' to 5578' (G) No. 5, from _____ to _____
No. 3, from 6591' to 6656' (G) No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 1870' 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>24</u>	<u>8</u>	<u>SS</u>	<u>216'</u>	<u>Con Guide</u>		<u>6591</u>	<u>6656</u>	<u>Production</u>
<u>4 1/2"</u>	<u>11.6</u>	<u>8</u>	<u>SS</u>	<u>1378.83</u>					
<u>4 1/2"</u>	<u>9.5</u>	<u>8</u>	<u>SS</u>	<u>5363.47</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>227</u>	<u>250</u>	<u>Pump & Plug</u>		
<u>4 1/2"</u>	<u>6753'</u>	<u>*</u>			
<u>1st stage thru shoe 6753' w/288 sx cem and 100 sx Macel</u>					
<u>2nd stage thru stage collar 2390' w/156 sx cem</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 _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from Surface feet to TD feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to production on connection, 19____
The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%
emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

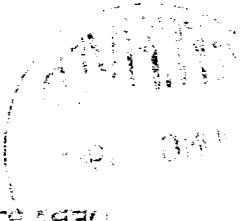
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 4103.2 MCF

2772# EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>TD 6774'</u>	<u>TD 6718'</u>		<u>E-COL TOPS:</u> <u>Pictured Cliffs 2176' Greenhorn 6377'</u> <u>Mesaverde 3732' Dakota 6591'</u> <u>Gallup 5466' Morrison 6769'</u> <u>Third Gallup 5624'</u>
<u>Tested 4 1/2" csg to 1500# 10 min. OK. Dried out plug in stage collar 2390'. Ran thq to btm, tested csg to 3300# 30 min. OK. Loaded hole w/treated wtr. Spotted 200 gal of breakdown acid on btm. EXXXXXXXXXX Jet perf 6591'-6656', 260 holes. Pumped into formation @1100#. Fraced w/50200 gal of wtr treated w/34# of J-101/1000 gal and 1 gal of w-38/1000 gal and 50000# of 20-40 sd. Max press 3300#, min press 2800#, instantaneous SIP 2300#, in 10 min 1850#, in 45 min 1250#. Avg inj rate 32 bpm. Dropped 20 sealer balls after 46000# of sand was in formation, flushed w/120 b. Op well, started fl/off load. SI for BHP and open flow test. BHP 66625' after 81 hrs 2772#. Surface pressure I 2210#, C 1976#, COF 4103.2 MCF. Based on 1 rate through 3/4" choke, 3771.3 MCF after 3 hrs. TP 303#, CP 712#.</u>			



LOC OF OR OF CAS WEST

ALTOON, ALABAMA

[illegible]

NO 100 512 214-2

1. The first group of people who are not allowed to enter the country are those who are not citizens of the United States and who are not permanent residents of the United States. This group includes all foreign-born individuals who are not citizens or permanent residents of the United States.

RONALD BETAVI - 01/00/00

..... 1000, 8, 071 1000, 8, 071

MAKING RECORD

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, 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 "sacked", 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.

HISTORY OF OIL OR GAS WELL

6-43094-2 U. S. GOVERNMENT PRINTING OFFICE

FROM	TO	TOTAL FEET	FORMATION
		XXXXXXX	