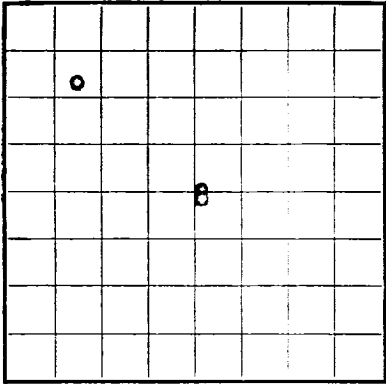


U. S. LAND OFFICE Jicarilla
SERIAL NUMBER _____
LEASE OR PERMIT TO PROSPECT _____

Contract No. 69
Tract No. 131

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Gulf Oil Corporation Address P.O. Box 3313, Durango, Colorado
Lessor or Tract Apache-Federal Field Atero State New Mexico
Well No. 8 Sec. 8 T. 24 N. R. 5 W. Meridian NM County Rio Arriba
Location 990 ft. S. of N. Line and 990 ft. W. of E. Line of Section 8 Elevation 6598'
(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 7-16-59 Title Area Production Supt.

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

Commenced drilling 3-31-59, 19____ Finished drilling 5-3-59, 19____

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

No. 1, from 6753' to 6856' (G) No. 4, from _____ to _____
No. 2, from 5675' to 5744' (G) No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from None 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>8RT</u>	<u>SS</u>	<u>289'</u>	<u>Guide</u>				<u>Surface</u>
<u>5-1/2"</u>	<u>15 1/2</u>	<u>8RT</u>	<u>SS</u>	<u>703 1/2'</u>	<u>Guide</u>	<u>Float</u>	<u>6783'</u>	<u>6833'</u>	<u>Production</u>
							<u>6852'</u>	<u>6856'</u>	
							<u>5675'</u>	<u>5690'</u>	
							<u>5712'</u>	<u>5718'</u>	
							<u>5734'</u>	<u>5744'</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>300'</u>	<u>250</u>	<u>Pump and plug</u>		
<u>5-1/2"</u>	<u>704 1/2'</u>	<u>1035 plus 90 sacks thru stage collar at 2504'</u>	<u>Pump and plug.</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 PBTD 6876'

Rotary tools were used from Surface feet to 704 1/2' feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
for completion

DATES

Well shut in 6-15-59, waiting for pipe line connection. 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 (see back) Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Great Western Drilling Co - RT. Driller _____ Driller _____
Driller _____ Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
	<u>2-Log Tops</u>		
	<u>2380</u>		<u>Pictured Cliffs</u>
	<u>3110'</u>		<u>LaVentana</u>
	<u>3912'</u>		<u>Cliff House</u>
	<u>4557'</u>		<u>Pt Lookout</u>
	<u>4783'</u>		<u>Mancos</u>
	<u>5657'</u>		<u>1st Gallup (Hospah)</u>
	<u>5821'</u>		<u>3rd Gallup</u>
	<u>6219'</u>		<u>Sonastee</u>
	<u>6348'</u>		<u>Lower Mancos</u>
	<u>6580'</u>		<u>Greenhorn</u>
	<u>6648'</u>		<u>Graneros</u>
	<u>6782'</u>		<u>Dakota</u>
	<u>6980'</u>		<u>Morrison</u>

FORMATION RECORD—Continued

FROM-	TO-	TOTAL FEET	FORMATION
Core No. 1, 3972'-4005',	Recovered 32'	sd, coal and shale, no shows.	
Core No. 2, 5662'-5722',	recovered 9'	sh	
	19'	sh & sd, odor and dull fluor	
	18'	sh	
	9'	sd, good odor and stain on break	
	5'	sh	
Core No. 3, 5722'-5774',	recovered 17'	sh & sd, scattered staining	
	13'	sd, stain and good odor	
	1'	sh	
	20'	sh and sd, scattered stain and fluor.	
	4'	sh	
Core No. 4, 6665'-6725',	recovered 25'	sh	
	7'	sh, slight bleeding gas	
	38'	siltstone and sh	
Core No. 5, 6770'-6808',	recovered 5'	sh	
	14'	sd, dead stain and spotty fluor.	
	13'	sd, no show	
	63'	sd, good distillate odor, fractured.	
Core No. 6, 6808'-6861',	recovered 28'	sd, distillate odor	
	8 1/2'	sd, no show	
	5'	sd, distillate odor	
	11'	siltstone and sh	
Core No. 7, 6925'-6979',	recovered 13 1/2'	sd, dull spotty fluor	
	1'	conglomerate	
	14'	sh, sandstone, conglomerate, no show.	
DST No. 1, 2360'-2427',	mis-run, unable to get tool to bottom.		
DST No. 1A, 2360'-2427',	mis-run, unable to get packer seat.		
DST No. 2, 3210'-3330',	mis-run, unable to get tool to bottom		
DST No. 3, 5674'-5774',	GTS in 50 minutes, no stable, maximum reading 7,238 cf/d. recovered 660'	heavily gas cut mud.	
DST No. 4, 5862'-5979',	recovered 105'	slightly gas cut mud.	
DST No. 5, 6778'-6861',	GTS in 7 minutes, maximum rate 86,300 cf/d. recovered 210'	gas cut mud.	

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 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 "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.

Perforated Dakota 6922'-6934')	W/2 bullets & 2 jets/ft - treated w/1000 gals mud acid. Recovered all load then scrubbed
6954'-6968')	15 bbls formation water in 7 hrs, no show oil or gas.
Set O/L bridging plug at 6876'	tested plug at 1000 psi for 15 minutes, held o.k.
Perforated Dakota 6783'-6833')	W/2 bullets & 2 jets/ft - fractured w/30,912 gals
6852'-6856')	oil, 30,000% sand. Indicated open flow: 2410 Mcf/d
Perforated Gallup 5676'-5690')	W/4 jets/ft - treated w/750 gals mud acid. Fractured
5712'-5718')	w/30,000 gals oil, 30,000% sand. Indicated open
5734'-5744')	flow: 2150 Mcf/d.

Dual completion equipment: Baker Model D Production packer set at 5800'. Well equipped w/2-3/8" OD tubing down to production packer w/150' of 2-1/16" OD tubing below production packer. Dakota to be produced through tubing, Gallup to be produced through annulus between tubing and production casing.

[illegible]

FOIA b 7 - DUE TO THE PRESENCE OF THIS INFORMATION, DISCLOSURE COULD BE DETRIMENTAL TO THE NATIONAL DEFENSE.

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RECEIVED FBI NEW YORK 12/24/64

On 3/24/1968

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Abstract

2007-08-02

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