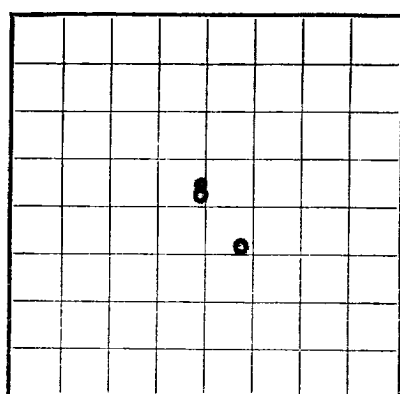
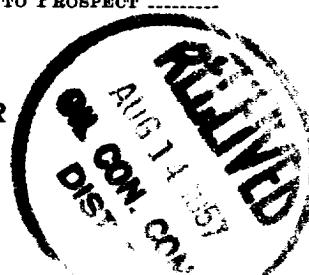


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 078899
LEASE OR PERMIT TO PROSPECT



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company	Gulf Oil Corporation	Address	Production Department P. O. Box 2097, Denver, Colorado		
Lessor or Tract	Blackrock-Federal "B"	Field	Unnamed	State	New Mexico
Well No.	2	Sec.	8	T.	26N R. 11W Meridian
					NMPM
				County	San Juan
Location	1980	ft.	N. of S	Line and	1980 ft. E. of E
					Line of
					Section
					Elevation
					6213'

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 Kristen DeLorenzo

Date August 12, 1957 Title Ass't. Zone Prod. Supt.

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

Commenced drilling 7-16, 19 57 Finished drilling 7-31, 19 57

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5122 to 5152 (O&G) No. 4, from 5365 to 5380 (O&G)
 No. 2, from 5224 to 5260 (O&G) No. 5, from _____ to _____
 No. 3, from 5309 to 5333 (O&G) No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 850 to 583 No. 3, from 2450 to 2500
No. 2, from 1598 to 1610 No. 4, from 3650 to 3820

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8	24	8RT	SS	299	Guide				Surface
2-1/8	40	8RT	SS	515	1100		5123	5130	Reduction
							5124	5151	
							5229	5215	
							5254	5260	
							5301	5316	
							5364	5379	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	309'	275	HOWCO	-	-
5-1/2	5463'	160	-	-	-

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
None						

TOOLS USED PB with cement to 50,33'

Rotary tools were used from surface feet to 5470' feet, and from _____ feet to _____ feet
Cable tools were used ^{for} ~~from~~ completion feet to _____ feet, and from _____ feet to _____ feet

DATES

-----, 19----- Put to producing ----- 8-10 ----- 1957

The production for the first 24 hours was ~~732~~ barrels of fluid of which 100% was oil; ---% emulsion; ---% water; and ---% sediment. Gravity, °Bé. 39 degrees

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

Rock pressure, lbs. per sq. in. _____ * through 3/4" choke.

EMPLOYEES

Flowing Pressures: Csg 625 psi,
tbg 150 psi

Arapahoe Drilling Company	Driller	tbq 150 psi	Driller
Signal Oil Field Service	Driller		Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	450	450	Shale with sand beds
450	583	133	Sand with some shale interbeds
583	1000	417	Interbedded shale, sand and silt
1000	1465	465	Shale with silt streaks
1465	1640	175	Interbedded shale and sand
1640	2415	775	Silty shale with silt streaks
2415	4260	1845	Interbedded shale, silt and sand
4260	5122	862	Silty shale with silt streaks
5122	TD	348	Interbedded sand and shale
<u>E-Log Tops:</u>			
	Pictured Cliffs	1537'	
	Lewis	1647'	
	Mesaverde	2416'	
	Point Lookout	3972'	
	Mancos	4260'	
	1st Gallup	5108'	
	2nd Gallup	5216'	
	3rd Gallup	5344'	

E-Log Tops:

Pictured Cliffs	1537
Lewis	1647
Mesa Verde	2116
Point Lookout	3972
Mancos	4260
1st Gallup	5108
2nd Gallup	5216
3rd Gallup	5344

1537"
1647"
2416"
3972"
4260"
5108"
5216"
5344"

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
Core No. 1, 5122' - 5174'	recovered 52' siltstone, minor bleeding oil and gas.		
Core No. 2, 5220' - 5270'	recovered 26-1/2' sandstone, shaley, 6' shale, 6-1/2' sandstone, shaley, 5' shale, 7' sandstone and shale, overall minor oil and gas bleeding from sandstone.		
Core No. 3, 5270' - 5322'	recovered 52' shale with some sandstone and siltstone, minor oil bleed in sandstone.		
Core No. 4, 5322' - 5374'	recovered 45-1/2' shale, 6-1/2' sandstone, minor oil and gas bleed.		
Core No. 5, 5374' - 5421'	recovered 7' sandstone, bleeding oil and gas, 40' shale.		

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 "girdled" 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.

No DATA

CASING RECORD

Perforated 5123' - 5134' 5144' - 5151' 5229' - 5245' 5257' - 5260' 5301' - 5316' 5364' - 5379'

67,200 gallons oil, 58,300' sand in five stages.

with 2 bullets and 2 date per foot - fractured with

OIL OR GAS SANDS OR NOMES

The following is a list of the names of the sands and shales in the well, in the order in which they were encountered during the drilling.

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