

A 10x10 grid with a dot at (2, 8) and the number 20 at (4, 4).

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

LOCATE WELL CORRECTLY

Production Department	
Company <u>Gulf Oil Corporation</u>	Address <u>Box 1346, Salt Lake City, Utah</u>
Lessor or Tract <u>Blackrock "D"</u>	Field <u>Basin-Dakota</u> State <u>New Mexico</u>
Well No. <u>1</u> Sec. <u>20</u> T. <u>26N</u> R. <u>11W</u> Meridian <u>NMPM</u>	County <u>San Juan</u>
Location <u>990</u> ft. ^(N) _(S) of <u>N</u> Line and <u>1630</u> ft. ^(E) _(W) of <u>N</u> Line of <u>Section 20</u>	Elevation <u>7838</u> ^(feet above 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 _____ ORIGINAL SIGNED

Date June 9, 1961 Title Area Production Manager

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

Commenced drilling May 15, 1961 Finished drilling May 23, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from ~~4910°~~ to ~~4974°~~ (C) No. 4, from ~~5142°~~ to ~~5205°~~ (G)
No. 2, from ~~5036°~~ to ~~5070°~~ (G) No. 5, from ~~5946°~~ to ~~5980°~~ (G)
No. 3, from ~~5095°~~ to ~~5134°~~ (G) No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from **NONE TESTED** to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	223'	175	Pump & Plug		
4 1/2"	6093'	186	Pump & Plug		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material	Size
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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

Put to production ~~51~~ for 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. 7416 MCF

2356# EMPLOYEES

_____, Driller

_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			E-LOG TOPS: Gallup 4910' Dakota 5911' Greenhorn 5792' Morrison 6130' TD 6131' PBD 6057'
sted 4½" csg to 3500# 20 min. OK. Displaced wtr w/treated wtr. Spotted 200 gal brine acid on btm. Pulled tbg. Jet perf 5946'-5980', 136 holes. Fraced as follows: choke formation by pumping in @1800#. Fraced w/50500 gal wtr treated w/1% ca cl and 8 WAC-8 per 1000 gal, and 50000# 20-40 sand. When 16000# of sand was in, pressure increased from 2950# to 3350#, then dropped to 3000#. W/30000# sand in, dropped 15 sealer balls and pressure increased 50#. W/38000# sand in, dropped 15 more sealer balls and pressure did not change. W/45000# sand in, dropped 20 sealer balls and pressure did not change. Max treating pressure 3400#, min 2900#, rate 43.8 bpa. Instantaneous SIP 1000#, in 5 min 1900#, in 1 hr 1100#, in 2 hrs 50#. 4 hr SI after frac, 350# pressure. In tbg, SI for BHP and open flow test. BHP after 89 hrs 2356# @5963'. Surface pressures T 1924#, C 1930#. COF 7416 MCF. Based on 1-rate thru 3/4" choke. 5315 MCF in 3 hrs. T 448#, C 1151#.			
FROM—	TO—	TOTAL FEET	FORMATION

Tested 4 1/2" csg to 3500# 20 min. OK. Displaced wtr w/ treated wtr. Spotted 200 gal break-down acid on btm. Pulled tbg. Jet perf 5946'-5980', 136 holes. Fraced as follows: Broke formation by pumping in @1800#. Fraced w/50500 gal wtr treated w/1% ca cl and 20# WAC-8 per 1000 gal, and 5000# 20-40 sand. When 16000# of sand was in, pressure increased from 2950# to 3350#, then dropped to 3000#. W/30000# sand in, dropped 15 sealer balls and pressure increased 50#. W/38000# sand in, dropped 15 more sealer balls and pressure did not change. W/45000# sand in, dropped 20 sealer balls and pressure did not change. Max treating pressure 3400#, min 2900#, rate 43.8 bpm. Instantaneous SIP 2300#, in 5 min 1900#, in 1 hr 1100#, in 2 hrs 50#. 4 hr SI after frac, 350# pressure. Ran tbg, SI for BHP and open flow test. BHP after 89 hrs 2356# @5963'. Surface pressures I 1924#, C 1930#. GOF 7416 MCF. Based on 1-rate thru 3/4" choke. 5315 MCF for 3 hrs. I 448#, C 1151#.

