

A blank sheet of graph paper with a grid pattern. The grid consists of small squares formed by horizontal and vertical lines. There are no markings or text on the page.

RECEIVED
MAR 16 1959

U.S. LAND OFFICE _____
 SERIAL NUMBER _____
 LEASE OR PERMIT TO PROSPECT _____
 NM-014103

LOGICAL SURVEY
ARIZONA NEW MEXICO

SURVEY UNITED STATES
EX-100
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

Company Gulf Oil Corporation Address Box 2167, Hobbs, New Mexico
Lessor or Tract Federal Littlefield "AB" Field Smigart - Grayburg State New Mexico
Well No. 2 Sec. 22 T. 18 R. 31 Meridian NMPM County Eddy
Location 660 ft. (N) of S Line and 1980 ft. (E) of W Line of Sec. 22-18-31 Elevation 3619'
(Check floor relation 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.

Date March 11, 1959 Signed W. M. RUSSELL
Title Area Production Supt.

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

Commenced drilling November 27, 1958 Finished drilling December 11, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3626 to 3675 No. 4, from 3676 to 3725

No. 2, from _____ to _____, 1936. No. 5, from _____ to _____, 1936.

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 100 875-10 to 1E 20'S BLN' OS No. 3, from 840 875-10 to 20'S BLN'

No. 2 from [redacted] to [redacted] No. 4 from [redacted] to [redacted]

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"	21#	8 R	Nat'l	978'	Rector				Surface Pipe
11-1/2"	25#	8 R	1 A 1	5289'	Hump		3626'	3675'	Prod. String
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	OROI	625	Plug		
4-1/2"	OROI	2200	" " "		
			POURED		5000 gal
			STILL S WASH WHEEL		

MARK

FOLD

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

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing _____ January 22, 1959
 The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, _____
 If gas, well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES SURVEYS

_____, Driller
 _____, Driller
 _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	10.70'	10.70'	Distance from top Kelly Drive Bushing to Ground
230 1/4	230 1/4	219.30'	Sand, Red Bed & Shells
991 1/2	991 1/2	761'	Red Bed & Shells
1521 3/4	1521 3/4	533'	Anhy & Shale
1852 3/4	1852 3/4	328'	Anhy 1-3/4
2575 3/4	2575 3/4	723'	Anhy & Salt
3502	3502	927'	Anhy
3781	3781	279'	Anhy & Lime
4078	4078	297'	Lime
4202	4202	124'	Lime, Anhy & Potash
4467	4467	265'	Lime
5300	5300	833'	Lime & Sand PB to 3979'