

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER A-sec. 304
LEASE OR PERMIT TO PROSPECT 075903

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Denson & Montin Address Oklahoma City, Okla.
Box 337, Aztec, New Mexico
 Lessor or Tract Gallegos Canyon Unit Field Wildcat State New Mexico
 Well No. 4 Sec. 34 T. 28N R. 12W Meridian N.M.P.M. County San Juan
 Location 1650 ft. S. of N. Line and 1650 ft. W. off Line of Sec. 34 Elevation 5535
 (Over the floor, not the bank)

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 James A. L. C.

Date November 3, 1951 Title Superintendent

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

Commenced drilling Sept. 17-----, 1951 Finished drilling September 29-----, 1951

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1375 to 1985 No. 4, from _____ to _____
 No. 2, from _____ to _____ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ 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
MARK	10-3/4"	100'	100	(irc. to surface		
	5 1/2"	1543'	100	(irc.		

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
4 x 20	7	Liquid Nitro-Glyc.	150qts.	9/28	1059-1616	1617'

TOOLS USED

Rotary tools were used from 0 feet to 1517 feet, and from _____ feet to _____ feet

Cable tools were used from 1516 feet to 1517 feet, and from _____ feet to _____ feet

**1917
DATES**

_____ 19____ Put to producing LAST IN _____, 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. 3,970 MP
164

EMPLOYEES

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

FORMATION RECORD

FROM--	TO--	TOTAL FEET	FORMATION
			TO PICTURED CLIFFS 1500'

HISTORY OF WELL

Sept. 17 Spudded well - running surface casing.
 " 18 Set 10-3/4" surface casing at 100'. Waiting on cement.
 " 19 Drilling - T.D. 900'.
 " 20 T.D. 1528'. Preparing to core.
 " 21 T.D. 1598' Core #1 - 1521-98'. Cored 57'. Recovered 53'. All sand except for 2' interval 1556-58' which had a few sandy carbonaceous shale partings.
 " 22 Core #2 - 1597-1617'. Recovered 5' sand - bleeding gas.
 " 23-24 T.D. 1617'. Set 5 1/2" casing at 1546' with 100 sacks.
 " 25 Waiting on cement. Moving out rotary.
 " 26 Rigging up cable tools.
 " 27 Drilling cement at 1600'.
 " 28 Tested 900 MCF natural. Running syphon line to kill well.
 " 29 Loaded with 150 qts. Nitro-glycerine.
 " 30 Drilling cal-seal plug on top of shot.
 Measured 2,550 MCF 9 hours after uncovering shot. Making spray of water. Measured 1,980 MCF 24 hours after shot.
 Oct. 1 Cleaning out - preparing to run syphon line.
 " 2 Running 1" syphon line.
 " 3 Shut in. After running syphon line, measured 1,840 MCF with 35 lb. casing pressure. Well had been open 72 hours after shot.
 " 4 Preparing to test.
 " 5 Testing. Blew down for 23 hours through 2". Measured approximately 2,000 MCF. Shut in for one hour and opened up on .437" choke.
 " 6 Testing. After open 21 hours on .437" orifice, measured 1100 MCF with 258# (DWT) back pressure.
 " 7 Testing. After open 43 hours on .437" orifice measured 1100 MCF with 258# (DWT) back pressure. Changed orifice to 1/4".
 " 8 Testing after open 23 hours on 1/4" orifice, measured 491 MCF with 355 1/2# (DWT) back pressure.
 " 9 Testing.
 " 10 Testing. Measured 503 MCF with 366# back pressure after open 71 hours on 1/4" orifice.
 " 11 Changed orifice to 1/8". Measured 145 MCF with 416# back pressure after open 16 hours on 1/8".
 " 12-13 Testing.
 " 14-20 Shut in.
 " 21-31 Awaiting state potential test.
 Nov. 1 State test taken. 3,970 MCF open flow after 3 hours. 46 1/2# shut in pressure.
 Completed Nov. 1, 1951.