

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER I-Seq. 844
LEASE OR PERMIT TO PROSPECT 076807
(Gallegos Canyon Unit)

234.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

1501 Petroleum Bldg.
Oklahoma City, Okla.

LOCATE WELL CORRECTLY

Company Benson & Martin Address Box 337 Aztec, New Mexico

Lessor or Tract Gallinas Canyon Unit Field Wildcat State New Mexico

Well No. 5 Sec. 13 T. 28 R. 13 Meridian N.E.M. County San Juan

Location 1980 { N } of N Line and 990 ft. { E } of E Line of Sec. 13 Elevation 5627'
(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 John Pabell

Date Nov. 4, 1951 Title Superintendent

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

Commenced drilling Sept. 25, 1951 Finished drilling Oct. 8, 1951

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1375 G to 1741 G 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

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
10-3/4"	32.75	8 round		200	Howco				
5 1/2"	16	8 round		108	Howco				
					NEW				
					PISTON OIL ON GM CYL METS				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	100'	90 sacks	Circ. to surf.		
5 1/2"	1381'	90 sacks	Circ.		

PLUGS AND ADAPTERS

Heaving plug—Material ----- Length ----- Depth set -----

[illegible]

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		Solid Nitro-Clyc.	110 qts.	10/10	1394'-1441'	1441'

TOOLS USED

Rotary tools were used from _____ feet to 1470 feet, and from _____ feet to _____ feet

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

DATES

OCT 3, 19____ 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 _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 4,830 ^{CF}

461	EMPLOYEES	
-----	-----------	--

_____, Driver _____, Driver _____

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
			TO, & D. CTURED C-EE5 .37.5'

[illegible]

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

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 _____

Location of it { N. } of _____ line and _____ ft. { E. } of _____ line of _____

Well No. _____ Sec. _____ T. _____ R. _____ Meridian _____ County _____ State _____

Lessor or Tract _____

Company _____

Address _____

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

Commenced drilling _____
Finished drilling _____
to _____

OIL OR GAS SANDS OR ZONES

(*) $g \in \mathcal{G}$ (*)

No. 1 from	No. 1 from
No. 2 from	No. 2 from
No. 3 from	No. 3 from

IMPORTANT WATER SANDS

..... 01	 01	 01	 01
..... 01	 01	 01	 01

CASING RECORD

[illegible]

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 "detached" 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 pigs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

16-43094-1 U. S. GOVERNMENT PRINTING OFFICE

[illegible]

HISTORY OF WELL1951

Sept. 25 Spudded well
 26 Waiting on cement. 10-3/4" casing at 100' with 90 sacks.
 27 Drilling. T.D. 920'.
 28 T.D. 1323'. Preparing to core.
 29 Corrected total depth 7-7/8" hole 1333'.
 30 Core #1 - 1336'-72' - Recovered 19 1/2', 6', shale, 13' coal, 1/2' sandy carbonaceous shale.
 Oct. 1 After reaming to 1372', drilled 5' - 1372-77'. Commenced Core #2 at 1377'. Top of Pictured Cliffs sand 1375' by sample.
 2 T.D. 1470'. Core #2 1377-1419'. Recovered 35' hard coarse grained porous sand bleeding gas and 1/2' shale.
 Core #3. 1419-1470'. Recovered 51' of sand. No shale breaks. Top 15' coarse grained sand, bottom 36' hard tightly cemented fine grained sand. Preparing to run casing.
 3 Set 5 1/2" casing at 1381' with 90 sacks cement.
 Waiting on cement.
 4 Waiting on cement.
 5 Moving in cable tools.
 6 Moved in and rigged up cable tools.
 7 8:00 A.M. Drilling cement at 1370'.
 8 Preparing to run syphon line. 3 hours after drilling shoe measured 970 MCF. 1 1/2 hours after drilling shoe, measured 1370 MCF. 1 1/2 hour test showed no water.
 9 Preparing to load shot. After open 27 hours measured 1370 MCF.
 10 Shot with 110 qts. solid nitro-glycerine from 1394-1441'.
 11 Hole unloaded while drilling cal-seal plug. Lost bailer and part of sand line in hole. Measured 4,000 MCF after open 6 hours. Making spray of water. Est. 5 to 10 gal. hour.
 12 Killed well to recover bailer. Recovered bailer and swabbed well back in.
 13 Ran syphon line. Well tested 3,200 MCF. Shut in.
 14-20 Shut in.
 21-31 Awaiting state potential test.
 Nov. 1 State test taken.
 4,830 MCF open flow after 3 hours.
 461# shut in pressure.
 Completed Nov. 1, 1951.

