

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER I-Sec. 844
LEASE OR PERMIT TO PROSPECT 07Apr.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Benson & Montin Address 1501 Petroleum Bldg. Oklahoma City, Okla.
Lessor or Tract Callegos Canyon Unit Field Wildcat State New Mexico
Well No. 3 Sec. 24 T. 28 N R. 12 W Meridian N.M.P.M. County San Juan
Location 1650 ft. [N.] of So. Line and 990 ft. [E.] of N. Line of Sec. 24 Elevation 5831
(Derrick floor relative to base 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 M. Cabell

Date Nov. 3, 1951 Title Superintendent.

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

Commenced drilling Sept. 9, 1951 Finished drilling Sept. 27, 1951

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1680 G to 1752 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. 2, from _____ to _____

No. 3, 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
10-3/4"	96'	100	circ. to surf.		
5-1/2"	1681'	100	Circ.		

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	6	Liquid Nitro-Gly.)	135 qts.	9/20 1693	to 1752	1715
4 x 10	2	" " "				

TOOLS USED

Rotary tools were used from 0 feet to 1713' feet, and from _____ feet to _____ feet
Cable tools were used from 1681' feet to 1752' feet, and from _____ feet to _____ feet

11320
DATES

9-28-1951 Put to producing SHUT 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 550 MCF Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 478

EMPLOYEES

_____, Driller

_____, Driller

_____, Driller

_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			TOP PICTURED CLIFFS 1680'

(OVER)
LOKVALION RECORD—Continued

HISTORY OF WELL1951

Sept. 9 Spudded.
 " 10 Set 10-3/4" surface casing at 96' with 100 sacks cement.
 " 12 T.D. 1300'
 " 13 Coring - Core No. 1 1665-77'. Rec. 7', 3' shale, 4' clean gray sand. Odor of gas on fresh break.
 Core No. 2 - 1677'-78', cored 1'. Recovered 3.8' all hard gray and brown sandy carbonaceous shale.
 " 14 Core #3 - 1678-96'. Rec. 17.6' fairly clean gray sand. Odor of gas on fresh break.
 Core #4 - 1696-1713'. Rec. 0'. Preparing to run casing.
 " 15 T.D. 1713'. Set 5 1/2" casing at 1681' with 100 sacks cement.
 " 16 Moving in cable tools.
 " 17 Drilling cement.
 " 18 Cleaned out to total depth 1713'. Taking 4 hr. bailing test to check for water. Measured gas 145 MCF.
 " 19 T.D. 1750'. Preparing to shoot. Measured gas 150 MCF.
 " 20 8:00 A.M. Drilling cal-seal on top of shot. Corrected total depth 1752'. Measured gas 160 MCF natural. Shot 1692-1752' with 135 qts. liquid nitro-glycerine.
 " 21 Tools hung up at about 1690'. Waiting on fishing tools.
 " 22 Waiting on fishing tools.
 " 23 Attempted to jar tools loose unsuccessfully. Cut off line with rope knife.
 " 24 Making up string of fishing tools.
 " 25 Recovered fish.
 " 26 Cleaning out at 1715'. Measured gas 290 MCF.
 " 27 Cleaning out. Preparing to run syphon line. Tested 290 MCF.
 " 28 Ran syphon line, testing.
 " 29 Flowing through syphon line.
 " 30 Gas measured 225 MCF. Flowing through syphon line with light spray of water, and 160 lb. casing pressure. Well had been open 5 days. Shut in 7:00 A.M.
 Oct. 5 Testing. Blew down for 6 hours thru syphon line and then opened up on 11/64" choke.
 Oct. 6 Testing. After open 37 hours on 11/64" choke, flowing 175 MCF with 274 lb. casing pressure.
 Oct. 7 Testing. After 63 hrs. on 11/64" choke, flowing 172 MCF with 270 lb. casing pressure.
 Oct. 8 Testing. Installed intermitter on syphon line to open 20 minutes every 6 hours. Making estimated 5 gals. water per day in addition to gas.
 Oct. 9-17 Testing.
 Oct. 18 Shut in. Awaiting state potential test.
 Nov. 1 State test taken.
 550 MCF open flow after open 3 hours. 478 lb. shut in pressure.
 Completed Nov. 1, 1951.

RECORD OF WORK

DATE	
1930	Spent 2
10	10-10-30 Spent 10-10-30 Spent 10-10-30
11	11-11-30
12	12-12-30
13	13-13-30
14	14-14-30
15	15-15-30
16	16-16-30
17	17-17-30
18	18-18-30
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21	21-21-30
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40	40-40-30
41	41-41-30
42	42-42-30
43	43-43-30
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45	45-45-30
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47	47-47-30
48	48-48-30
49	49-49-30
50	50-50-30