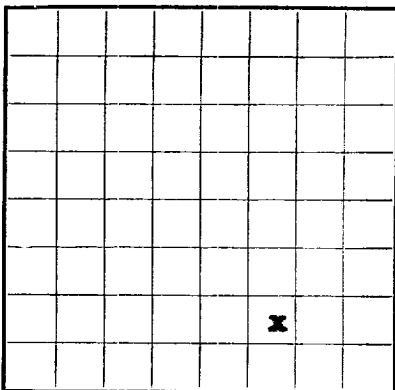


U. S. LAND OFFICE Santa FeSERIAL NUMBER 078903LEASE OR PERMIT TO PROSPECT I-See. 844
Gallegos Canyon UnitUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company BENSON-MONTIN Address 1501 REPUBLIC BUILDING, OKLAHOMA CITY
Lessor or Tract GALLEGOS CANYON UNIT Field WEST KUTZ State NEW MEXICO
Well No. 54 Sec. 36 T28N R. 12W Meridian N.M.P.M. County SAN JUAN
Location 990 ft. N. of 3 Line and 1650 ft. Ex of E Line of SEC. 36 Elevation 6054
(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.

Date March 18, 1954 Signed [Signature] Title Field Superintendent

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

Commenced drilling February 20, 19 54 Finished drilling March 2, 19 54

OIL OR GAS SANDS OR ZONES

No. 1, from 1824 to 1864 (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—	
<u>8-5/8"</u>	<u>24#</u>	<u>8</u>	<u>J-55</u>	<u>90'</u>	<u>Texas Pattern</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>Surface</u>
<u>5-1/2"</u>	<u>15.5#</u>	<u>8</u>	<u>J-55</u>	<u>1200'</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>Production</u>
<u>5-1/2"</u>	<u>15.5#</u>	<u>8</u>	<u>J-55</u>	<u>201'</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>—</u>	<u>Production</u>
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
<u>8-5/8"</u>	<u>99'</u>	<u>180</u>	<u>Pump & Plug</u>		
<u>5-1/2"</u>	<u>1829'</u>	<u>100</u>	<u>" " "</u>		

PLUGS AND ADAPTERS

Heaving plug—Material None Length _____ Depth set _____
Adapters—Material None Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
<u>4"</u>	<u>Tin</u>	<u>8WC</u>	<u>40 quarts</u>	<u>3-3-54</u>	<u>1836-52'</u>	<u>1852'</u>

TOOLS USED

Rotary tools were used from Surface feet to 1829 feet, and from _____ feet to _____ feet
Cable tools were used from 1829 feet to 1864 feet, and from _____ feet to _____ feet

DATES

Ran Tubing March 6, 19 54 Potential Test Put to producing March 17, 19 54

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 196,000 Gallons gasoline per 1,000 cu. ft. of gas _____

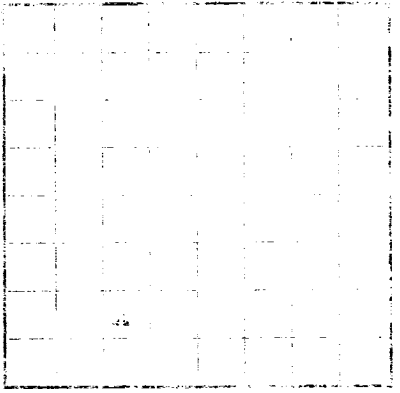
Rock pressure, lbs. per sq. in. 420

EMPLOYEES

Greer-Smith Drilling Corporation Driller (Rotary) _____, Driller
Benson-Montin Driller (Cable Tools) _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>Surface</u>	<u>1802</u>	<u>1802</u>	<u>Surface sand and shale, Ojo Alamo, Kirtland and Fruitland Formations</u>
<u>1802</u>	<u>1823</u>	<u>21</u>	<u>Coal</u>
<u>1823</u>	<u>1824</u>	<u>1</u>	<u>Shale</u>
<u>1824</u>	<u>1864</u>	<u>40</u>	<u>Pictured Cliffs Sand</u>



LOG OF OIL OR GAS WELL

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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3-17-54 State Potential Test. SIP 420 psi DWT (shut in 17 days).
Open 3 hours through 2" plug valve. Flowed 196 MCF/day.

1-6-54 Cemented back to 1852' with 8-5/8" tubing to 1849'.
1-6-54 Cemented back to 1852' with 8-5/8" tubing to 1849'.

3-3-54 TD 1864'. Plugged back to 1854' with hydramite and to 1852' with gravel. On 10-10-54 plugged back to 1852' with 40 quarts SMC.

2-27-54 Moved in cable tools.
2-27-54 Moved in cable tools.

2-22-54 Re-cemented 8-5/8" casing.
2-22-54 Re-cemented 8-5/8" casing.

2-20-54 Moved in rotary tools. Spudded 1851' 8-5/8" casing.
2-20-54 Moved in rotary tools. Spudded 1851' 8-5/8" casing.

2-19-54 Notice of Intention to Drill approved by U.S.G.S.
2-19-54 Notice of Intention to Drill approved by U.S.G.S.

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 sidetracked, 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 plugs 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

MUDGING AND CEMENTING RECORD			
Size of bit	Depth of hole	Number sacks of cement	Amount of mud used
8-1/2"	1852'	12	
8-1/2"	1854'	12	
8-1/2"	1856'	12	
8-1/2"	1858'	12	
8-1/2"	1860'	12	
8-1/2"	1862'	12	
8-1/2"	1864'	12	
8-1/2"	1866'	12	
8-1/2"	1868'	12	
8-1/2"	1870'	12	
PLUGS AND WATER			
Location of plug	Material	Depth	Size
1852'	Hydramite	1852'	40 quarts
1854'	Hydramite	1854'	40 quarts
1856'	Hydramite	1856'	40 quarts
1858'	Hydramite	1858'	40 quarts
1860'	Hydramite	1860'	40 quarts
1862'	Hydramite	1862'	40 quarts
1864'	Hydramite	1864'	40 quarts
1866'	Hydramite	1866'	40 quarts
1868'	Hydramite	1868'	40 quarts
1870'	Hydramite	1870'	40 quarts
SHOOTING RECORD			
Depth of hole	Amount of dynamite	Date	Remarks
1852'	12 lbs	3-17-54	State Potential Test
1854'	12 lbs	3-17-54	State Potential Test
1856'	12 lbs	3-17-54	State Potential Test
1858'	12 lbs	3-17-54	State Potential Test
1860'	12 lbs	3-17-54	State Potential Test
1862'	12 lbs	3-17-54	State Potential Test
1864'	12 lbs	3-17-54	State Potential Test
1866'	12 lbs	3-17-54	State Potential Test
1868'	12 lbs	3-17-54	State Potential Test
1870'	12 lbs	3-17-54	State Potential Test
TOOLS USED			
Tool	Size	Depth	Remarks
8-5/8" casing	8-5/8"	1852'	Re-cemented
8-5/8" casing	8-5/8"	1854'	Re-cemented
8-5/8" casing	8-5/8"	1856'	Re-cemented
8-5/8" casing	8-5/8"	1858'	Re-cemented
8-5/8" casing	8-5/8"	1860'	Re-cemented
8-5/8" casing	8-5/8"	1862'	Re-cemented
8-5/8" casing	8-5/8"	1864'	Re-cemented
8-5/8" casing	8-5/8"	1866'	Re-cemented
8-5/8" casing	8-5/8"	1868'	Re-cemented
8-5/8" casing	8-5/8"	1870'	Re-cemented
EMPLOYEES			
Name	Position	Date	Remarks
Driller	Driller	3-17-54	State Potential Test
Driller	Driller	3-17-54	State Potential Test
Driller	Driller	3-17-54	State Potential Test
Driller	Driller	3-17-54	State Potential Test
Driller	Driller	3-17-54	State Potential Test
Driller	Driller	3-17-54	State Potential Test
Driller	Driller	3-17-54	State Potential Test
Driller	Driller	3-17-54	State Potential Test
Driller	Driller	3-17-54	State Potential Test
Driller	Driller	3-17-54	State Potential Test
FORMATION RECORD			
Formation	Depth	Remarks	Remarks
Shale	1852'	Shale	Shale
Shale	1854'	Shale	Shale
Shale	1856'	Shale	Shale
Shale	1858'	Shale	Shale
Shale	1860'	Shale	Shale
Shale	1862'	Shale	Shale
Shale	1864'	Shale	Shale
Shale	1866'	Shale	Shale
Shale	1868'	Shale	Shale
Shale	1870'	Shale	Shale