

U. S. LAND OFFICE N. M.SERIAL NUMBER 03011LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company J. F. Hickman Address 2-27 Monte Vista Blvd., NE
Lessor or Tract Clark Field Undesignated State New Mexico
Well No. 5 Sec. 6 T. 24N R. 3W Meridian NMPM County Rio Arriba
Location 1515 N. 1st St. of N. Line and 660 E. 1st St. of W. Line of Sec. 6 Elevation 7071
(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 Jay J. Harris Title Geologist

Date 7-24-56

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

Commenced drilling 6-2, 1956 Finished drilling 6-22, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3294 to 3348 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—	
5/8	36	8	J-55	164	Lar in				
5/8	114	8	J-55	3380	Lar in				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5/8	164	125	Halliburton		
5/8	3380	150	Halliburton		

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

Sand water fractured from 3304 to 3344

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to 3340 feet, and from _____ feet to _____ feet

DATES

8/3/56, 19____ Put to producing _____, 19____

The production for the first 24 hours was _____ barrels of fluid of which 6-22% was oil; 56% emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours 4108 Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 997

EMPLOYEES

_____, Driller _____, Driller
Empire States, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
3150	3294	144	Fruitland
3294	3348	54	Pictured Cliffs

LEON—

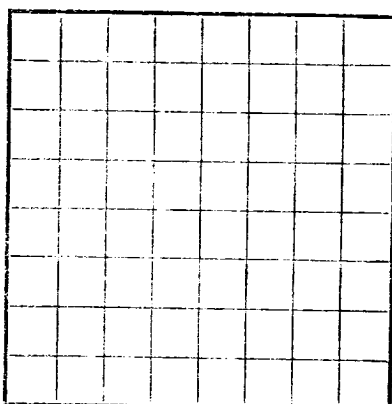
LO—

AGUST LEEL (OVER)

EGBAVLIGZ

16-43094-3

FORMATION RECORD—Continued



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

LEASE OR PERMIT TO PROSPECT

SERIAL NUMBER

U. S. LAND OFFICE

Approved Bureau No. 12-3333
Approved expires 12-31-35

Company _____
Lessor or Tract _____
Well No. _____
Location _____
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 _____
The summary on this page is for the condition of the well at above date.
Commenced drilling _____
Finished drilling _____

OIL OR GAS SANDS OR ZONES

(Describe gas by (V))

No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____
No. 4, from _____ to _____
No. 5, from _____ to _____
No. 6, from _____ to _____
No. 7, from _____ to _____
No. 8, from _____ to _____
No. 9, from _____ to _____
No. 10, from _____ to _____
No. 11, from _____ to _____
No. 12, from _____ to _____
No. 13, from _____ to _____
No. 14, from _____ to _____
No. 15, from _____ to _____
No. 16, from _____ to _____
No. 17, from _____ to _____
No. 18, from _____ to _____
No. 19, from _____ to _____
No. 20, from _____ to _____
No. 21, from _____ to _____
No. 22, from _____ to _____
No. 23, from _____ to _____
No. 24, from _____ to _____
No. 25, from _____ to _____
No. 26, from _____ to _____
No. 27, from _____ to _____
No. 28, from _____ to _____
No. 29, from _____ to _____
No. 30, from _____ to _____
No. 31, from _____ to _____
No. 32, from _____ to _____
No. 33, from _____ to _____
No. 34, from _____ to _____
No. 35, from _____ to _____
No. 36, from _____ to _____
No. 37, from _____ to _____
No. 38, from _____ to _____
No. 39, from _____ to _____
No. 40, from _____ to _____
No. 41, from _____ to _____
No. 42, from _____ to _____
No. 43, from _____ to _____
No. 44, from _____ to _____
No. 45, from _____ to _____
No. 46, from _____ to _____
No. 47, from _____ to _____
No. 48, from _____ to _____
No. 49, from _____ to _____
No. 50, from _____ to _____
No. 51, from _____ to _____
No. 52, from _____ to _____
No. 53, from _____ to _____
No. 54, from _____ to _____
No. 55, from _____ to _____
No. 56, from _____ to _____
No. 57, from _____ to _____
No. 58, from _____ to _____
No. 59, from _____ to _____
No. 60, from _____ to _____
No. 61, from _____ to _____
No. 62, from _____ to _____
No. 63, from _____ to _____
No. 64, from _____ to _____
No. 65, from _____ to _____
No. 66, from _____ to _____
No. 67, from _____ to _____
No. 68, from _____ to _____
No. 69, from _____ to _____
No. 70, from _____ to _____
No. 71, from _____ to _____
No. 72, from _____ to _____
No. 73, from _____ to _____
No. 74, from _____ to _____
No. 75, from _____ to _____
No. 76, from _____ to _____
No. 77, from _____ to _____
No. 78, from _____ to _____
No. 79, from _____ to _____
No. 80, from _____ to _____
No. 81, from _____ to _____
No. 82, from _____ to _____
No. 83, from _____ to _____
No. 84, from _____ to _____
No. 85, from _____ to _____
No. 86, from _____ to _____
No. 87, from _____ to _____
No. 88, from _____ to _____
No. 89, from _____ to _____
No. 90, from _____ to _____
No. 91, from _____ to _____
No. 92, from _____ to _____
No. 93, from _____ to _____
No. 94, from _____ to _____
No. 95, from _____ to _____
No. 96, from _____ to _____
No. 97, from _____ to _____
No. 98, from _____ to _____
No. 99, from _____ to _____
No. 100, from _____ to _____

CASING RECORD

Casing Size _____
Casing Weight _____
Threads per Foot _____
Male _____
Amount _____
Kind of shoe _____
Cut and pulled from _____
From _____
To _____

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, 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 balling.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

MUDDING AND CEMENTING RECORD

Casing Size _____
Casing Weight _____
Threads per Foot _____
Male _____
Amount _____
Kind of shoe _____
Cut and pulled from _____
From _____
To _____

PLUGS AND ADAPTERS

Heaving plug—Material _____
Size _____
Length _____
Depth set _____

SHOOTING RECORD

Size _____
Shot used _____
Explosive used _____
Quantity _____
Date _____
Depth shot _____
Depth cleaned out _____

TOOLS USED

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

The production for the first 24 hours was _____ barrels of fluid of which _____ was oil; _____ put to producing _____
If gas well, cu. ft. per 24 hours _____
Rock pressure, lbs. per sq. in. _____
Emulsion; _____ of water; and _____ of sediment
Gallons gasoline per 1,000 cu. ft. of gas _____
(Gravity) _____

EMPLOYEES

Driller _____
Driller _____
Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
3100	3200	100	Gravelly sand
3200	3300	100	Gravelly sand
3300	3400	100	Gravelly sand
3400	3500	100	Gravelly sand
3500	3600	100	Gravelly sand
3600	3700	100	Gravelly sand
3700	3800	100	Gravelly sand
3800	3900	100	Gravelly sand
3900	4000	100	Gravelly sand
4000	4100	100	Gravelly sand
4100	4200	100	Gravelly sand
4200	4300	100	Gravelly sand
4300	4400	100	Gravelly sand
4400	4500	100	Gravelly sand
4500	4600	100	Gravelly sand
4600	4700	100	Gravelly sand
4700	4800	100	Gravelly sand
4800	4900	100	Gravelly sand
4900	5000	100	Gravelly sand
5000	5100	100	Gravelly sand
5100	5200	100	Gravelly sand
5200	5300	100	Gravelly sand
5300	5400	100	Gravelly sand
5400	5500	100	Gravelly sand
5500	5600	100	Gravelly sand
5600	5700	100	Gravelly sand
5700	5800	100	Gravelly sand
5800	5900	100	Gravelly sand
5900	6000	100	Gravelly sand
6000	6100	100	Gravelly sand
6100	6200	100	Gravelly sand
6200	6300	100	Gravelly sand
6300	6400	100	Gravelly sand
6400	6500	100	Gravelly sand
6500	6600	100	Gravelly sand
6600	6700	100	Gravelly sand
6700	6800	100	Gravelly sand
6800	6900	100	Gravelly sand
6900	7000	100	Gravelly sand
7000	7100	100	Gravelly sand
7100	7200	100	Gravelly sand
7200	7300	100	Gravelly sand
7300	7400	100	Gravelly sand
7400	7500	100	Gravelly sand
7500	7600	100	Gravelly sand
7600	7700	100	Gravelly sand
7700	7800	100	Gravelly sand
7800	7900	100	Gravelly sand
7900	8000	100	Gravelly sand
8000	8100	100	Gravelly sand
8100	8200	100	Gravelly sand
8200	8300	100	Gravelly sand
8300	8400	100	Gravelly sand
8400	8500	100	Gravelly sand
8500	8600	100	Gravelly sand
8600	8700	100	Gravelly sand
8700	8800	100	Gravelly sand
8800	8900	100	Gravelly sand
8900	9000	100	Gravelly sand
9000	9100	100	Gravelly sand
9100	9200	100	Gravelly sand
9200	9300	100	Gravelly sand
9300	9400	100	Gravelly sand
9400	9500	100	Gravelly sand
9500	9600	100	Gravelly sand
9600	9700	100	Gravelly sand
9700	9800	100	Gravelly sand
9800	9900	100	Gravelly sand
9900	10000	100	Gravelly sand

FORMATION RECORD—Continued