

U. S. LAND OFFICE Jicarilla
SERIAL NUMBER Contract #10
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Johnston-Shear Address 3010 Monte Vista, NE Albuquerque, N.M.
Lessor or Tract Southern Claim Field Otero State New Mexico
Jicarilla
Well No. 1-4 Sec. 4 T. 24N R. 5W Meridian New Mexico County Rio Arriba
Location 985 ft. N of N Line and 805 ft. E of X Line of Sec. 4 Elevation 6743
(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 _____

Date 6/21/60 Title W. R. Johnston
Partner

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

Commenced drilling 1/15/60, 19____ Finished drilling 6/10/60, 19____

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 3490' to 3625' G No. 4, from _____ to _____
No. 2, from 6000' to 6100' No. 5, from _____ to _____
No. 3, from 7015 to 7100 G 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>10 3/4</u>	<u>212</u>	<u>8</u>	<u>Spring</u>	<u>212</u>	<u>Blow</u>	<u>0</u>	<u>7032</u>	<u>7032</u>	<u>Surface</u>
<u>2 7/8</u>	<u>3762</u>	<u>10</u>	<u>Spring</u>	<u>3762</u>	<u>Blow</u>	<u>0</u>	<u>6000</u>	<u>6000</u>	<u>Production</u>
<u>2 7/8</u>	<u>6310</u>	<u>10</u>	<u>Spring</u>	<u>6310</u>	<u>Blow</u>	<u>0</u>	<u>6000</u>	<u>6000</u>	<u>Production</u>
<u>2 7/8</u>	<u>7200</u>	<u>10</u>	<u>Spring</u>	<u>7200</u>	<u>Blow</u>	<u>0</u>	<u>7032</u>	<u>7032</u>	<u>Production</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10 3/4</u>	<u>212</u>	<u>175</u>	<u>Plug</u>	<u>9.6 #gal.</u>	
<u>2 7/8</u>	<u>3762</u>	<u>300</u>	<u>Plug</u>	<u>9.6</u>	
<u>2 7/8</u>	<u>6310</u>	<u>200</u>	<u>Plug</u>	<u>9.6</u>	
<u>2 7/8</u>	<u>7200</u>	<u>200</u>	<u>Plug</u>	<u>9.6</u>	

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

TOOLS USED

Rotary tools were used from 212' feet to 7222 feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 212 feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing not connected, 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 _____

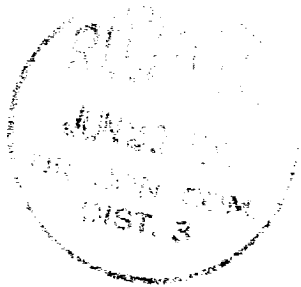
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

W. S. Jones, Driller Albert Hoskins, Driller
J. M. Conder, Driller F. H. Molloy, Driller
Pusher

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>2650</u>	<u>2650</u>	<u>Sands & shales</u>
<u>2650</u>	<u>2720</u>	<u>70</u>	<u>Pictured Cliffs</u>
<u>2720</u>	<u>3480</u>	<u>760</u>	<u>Lewis Shale</u>
<u>3480</u>	<u>3625</u>	<u>145</u>	<u>Chacra</u>
<u>3625</u>	<u>4210</u>	<u>585</u>	<u>Lewis Shale</u>
<u>4210</u>	<u>5000</u>	<u>790</u>	<u>Mesa Verde</u>
<u>5000</u>	<u>5980</u>	<u>980</u>	<u>Mancos Shale</u>
<u>5980</u>	<u>6200</u>	<u>220</u>	<u>Gallup</u>
<u>6200</u>	<u>6800</u>	<u>600</u>	<u>Mancos Shale</u>
<u>6800</u>	<u>6920</u>	<u>120</u>	<u>Greenhorn</u>
<u>6920</u>	<u>7220</u>	<u>300</u>	<u>Dakota</u>



LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

Company _____
Lessor or Tract _____
Well No. _____
Location _____
The information given hereafter is a complete and correct record of the well and all work done thereon
as far as can be determined from all available records.
Date _____
The summary on this page is for the completion of the well as shown on

Commenced drilling _____
Finished drilling _____
The summary on this page is for the completion of the well as shown on

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of running, together with the reasons for the work and its results. If there were any changes made in the casing, size, quality, and any casing, and number of joints, or if the well has been dynamited, give date, size, position, and number of shots. If pipes or bridges were put in to test for water, state kind of material used, position, and results of pumping or burning of shots.

FROM—	TO—	TOTAL FEET	FORMATION
0	5000	5000	Gravelly sandstone
5000	5100	5100	Gravelly sandstone
5100	5200	5200	Gravelly sandstone
5200	5300	5300	Gravelly sandstone
5300	5400	5400	Gravelly sandstone
5400	5500	5500	Gravelly sandstone
5500	5600	5600	Gravelly sandstone
5600	5700	5700	Gravelly sandstone
5700	5800	5800	Gravelly sandstone
5800	5900	5900	Gravelly sandstone
5900	6000	6000	Gravelly sandstone
6000	6100	6100	Gravelly sandstone
6100	6200	6200	Gravelly sandstone
6200	6300	6300	Gravelly sandstone
6300	6400	6400	Gravelly sandstone
6400	6500	6500	Gravelly sandstone
6500	6600	6600	Gravelly sandstone
6600	6700	6700	Gravelly sandstone
6700	6800	6800	Gravelly sandstone
6800	6900	6900	Gravelly sandstone
6900	7000	7000	Gravelly sandstone
7000	7100	7100	Gravelly sandstone
7100	7200	7200	Gravelly sandstone
7200	7300	7300	Gravelly sandstone
7300	7400	7400	Gravelly sandstone
7400	7500	7500	Gravelly sandstone
7500	7600	7600	Gravelly sandstone
7600	7700	7700	Gravelly sandstone
7700	7800	7800	Gravelly sandstone
7800	7900	7900	Gravelly sandstone
7900	8000	8000	Gravelly sandstone
8000	8100	8100	Gravelly sandstone
8100	8200	8200	Gravelly sandstone
8200	8300	8300	Gravelly sandstone
8300	8400	8400	Gravelly sandstone
8400	8500	8500	Gravelly sandstone
8500	8600	8600	Gravelly sandstone
8600	8700	8700	Gravelly sandstone
8700	8800	8800	Gravelly sandstone
8800	8900	8900	Gravelly sandstone
8900	9000	9000	Gravelly sandstone
9000	9100	9100	Gravelly sandstone
9100	9200	9200	Gravelly sandstone
9200	9300	9300	Gravelly sandstone
9300	9400	9400	Gravelly sandstone
9400	9500	9500	Gravelly sandstone
9500	9600	9600	Gravelly sandstone
9600	9700	9700	Gravelly sandstone
9700	9800	9800	Gravelly sandstone
9800	9900	9900	Gravelly sandstone
9900	10000	10000	Gravelly sandstone

LOG NO. 1000