

4-USGS
1-Pioneer
1-Redfern
1-FileForm approved.
Budget Bureau No. 42-R355.4.U. S. LAND OFFICE Santa Fe
SERIAL NUMBER NM 020982
LEASE OR PERMIT TO PROSPECT _____NOV 7 1961
OR. DOM. COM.
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Redfern & Herd, Inc. Address Box 1747, Midland, Texas
Lessor or Tract Redfern Field Basin-Dakota State New Mexico
Well No. 5 Sec. 10 T. 28N R. 11W Meridian MPM County San Juan
Location 815 ft. N. of S Line and 1550 ft. E. of W Line of Section 10 Elevation 5448 G.L.
(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 Original signed by T. A. DuganDate 11-2-61Title Engineer

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

Commenced drilling 5-31, 19 61 Finished drilling 6-27, 19 61

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5968 to 6138 (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>13-3/8</u>	<u>48.4</u>	<u>8</u>	<u>CR</u>	<u>1600.00</u>	<u>Tex. Pattern</u>	<u>5968</u>	<u>6138</u>	<u>Production</u>	<u>Conductor</u>
<u>8-5/8</u>	<u>22.0</u>	<u>8</u>	<u>CR</u>	<u>6235.65</u>	<u>Guide</u>				
<u>4-1/2</u>	<u>10.57</u>	<u>8</u>	<u>CR</u>						

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>13-3/8</u>	<u>33 F.L.</u>	<u>50</u>			
<u>8-5/8</u>	<u>621 RKB</u>	<u>225</u>	<u>Pump Plug</u>		
<u>4-1/2</u>	<u>6228 RKB</u>	<u>300</u>	<u>Pump Plug</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
<u>See Sundry Notice for detailed perf and frac information</u>						

TOOLS USED

Rotary tools were used from 33 feet to 6230 feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 33 feet, and from _____ feet to _____ feet

DATES

Test Date: 7-31, 19 61 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 AOF 5012 Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 1785

EMPLOYEES

Exeter Drilling Co., Driller T. A. Dugan, Engineer, Driller
Lee Naylor, Driller XXXXXX Pusher, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			<u>Log Tops</u>
			<u>Pictured Cliffs</u> 1510
			<u>Lewis</u> 1647
			<u>Cliffhouse</u> 3100
			<u>Menefee</u> 3203
			<u>Point Lookout</u> 3860
			<u>Mancos</u> 4230
			<u>Gallup</u> 5109
			<u>Greenhorn</u> 5878
			<u>Graneros Shale</u> 5925
			<u>Graneros Sand</u> 5975
			<u>Dakota</u> 6045

INTERNAL OR PERMIT TO PROSPECT
BURNED NUMBER
U.S. LAND OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

[illegible]

Continued drilling: 10-21-61, 10-22-61, 10-23-61, 10-24-61, 10-25-61, 10-26-61, 10-27-61, 10-28-61, 10-29-61, 10-30-61, 10-31-61, 11-1-61, 11-2-61, 11-3-61, 11-4-61, 11-5-61, 11-6-61, 11-7-61, 11-8-61, 11-9-61, 11-10-61, 11-11-61, 11-12-61, 11-13-61, 11-14-61, 11-15-61, 11-16-61, 11-17-61, 11-18-61, 11-19-61, 11-20-61, 11-21-61, 11-22-61, 11-23-61, 11-24-61, 11-25-61, 11-26-61, 11-27-61, 11-28-61, 11-29-61, 11-30-61, 12-1-61, 12-2-61, 12-3-61, 12-4-61, 12-5-61, 12-6-61, 12-7-61, 12-8-61, 12-9-61, 12-10-61, 12-11-61, 12-12-61, 12-13-61, 12-14-61, 12-15-61, 12-16-61, 12-17-61, 12-18-61, 12-19-61, 12-20-61, 12-21-61, 12-22-61, 12-23-61, 12-24-61, 12-25-61, 12-26-61, 12-27-61, 12-28-61, 12-29-61, 12-30-61, 12-31-61, 1-1-62, 1-2-62, 1-3-62, 1-4-62, 1-5-62, 1-6-62, 1-7-62, 1-8-62, 1-9-62, 1-10-62, 1-11-62, 1-12-62, 1-13-62, 1-14-62, 1-15-62, 1-16-62, 1-17-62, 1-18-62, 1-19-62, 1-20-62, 1-21-62, 1-22-62, 1-23-62, 1-24-62, 1-25-62, 1-26-62, 1-27-62, 1-28-62, 1-29-62, 1-30-62, 1-31-62, 2-1-62, 2-2-62, 2-3-62, 2-4-62, 2-5-62, 2-6-62, 2-7-62, 2-8-62, 2-9-62, 2-10-62, 2-11-62, 2-12-62, 2-13-62, 2-14-62, 2-15-62, 2-16-62, 2-17-62, 2-18-62, 2-19-62, 2-20-62, 2-21-62, 2-22-62, 2-23-62, 2-24-62, 2-25-62, 2-26-62, 2-27-62, 2-28-62, 2-29-62, 2-30-62, 3-1-62, 3-2-62, 3-3-62, 3-4-62, 3-5-62, 3-6-62, 3-7-62, 3-8-62, 3-9-62, 3-10-62, 3-11-62, 3-12-62, 3-13-62, 3-14-62, 3-15-62, 3-16-62, 3-17-62, 3-18-62, 3-19-62, 3-20-62, 3-21-62, 3-22-62, 3-23-62, 3-24-62, 3-25-62, 3-26-62, 3-27-62, 3-28-62, 3-29-62, 3-30-62, 3-31-62, 4-1-62, 4-2-62, 4-3-62, 4-4-62, 4-5-62, 4-6-62, 4-7-62, 4-8-62, 4-9-62, 4-10-62, 4-11-62, 4-12-62, 4-13-62, 4-14-62, 4-15-62, 4-16-62, 4-17-62, 4-18-62, 4-19-62, 4-20-62, 4-21-62, 4-22-62, 4-23-62, 4-24-62, 4-25-62, 4-26-62, 4-27-62, 4-28-62, 4-29-62, 4-30-62, 5-1-62, 5-2-62, 5-3-62, 5-4-62, 5-5-62, 5-6-62, 5-7-62, 5-8-62, 5-9-62, 5-10-62, 5-11-62, 5-12-62, 5-13-62, 5-14-62, 5-15-62, 5-16-62, 5-17-62, 5-18-62, 5-19-62, 5-20-62, 5-21-62, 5-22-62, 5-23-62, 5-24-62, 5-25-62, 5-26-62, 5-27-62, 5-28-62, 5-29-62, 5-30-62, 5-31-62, 6-1-62, 6-2-62, 6-3-62, 6-4-62, 6-5-62, 6-6-62, 6-7-62, 6-8-62, 6-9-62, 6-10-62, 6-11-62, 6-12-62, 6-13-62, 6-14-62, 6-15-62, 6-16-62, 6-17-62, 6-18-62, 6-19-62, 6-20-62, 6-21-62, 6-22-62, 6-23-62, 6-24-62, 6-25-62, 6-26-62, 6-27-62, 6-28-62, 6-29-62, 6-30-62, 7-1-62, 7-2-62, 7-3-62, 7-4-62, 7-5-62, 7-6-62, 7-7-62, 7-8-62, 7-9-62, 7-10-62, 7-11-62, 7-12-62, 7-13-62, 7-14-62, 7-15-62, 7-16-62, 7-17-62, 7-18-62, 7-19-62, 7-20-62, 7-21-62, 7-22-62, 7-23-62, 7-24-62, 7-25-62, 7-26-62, 7-27-62, 7-28-62, 7-29-62, 7-30-62, 7-31-62, 8-1-62, 8-2-62, 8-3-62, 8-4-62, 8-5-62, 8-6-62, 8-7-62, 8-8-62, 8-9-62, 8-10-62, 8-11-62, 8-12-62, 8-13-62, 8-14-62, 8-15-62, 8-16-62, 8-17-62, 8-18-62, 8-19-62, 8-20-62, 8-21-62, 8-22-62, 8-23-62, 8-24-62, 8-25-62, 8-26-62, 8-27-62, 8-28-62, 8-29-62, 8-30-62, 8-31-62, 9-1-62, 9-2-62, 9-3-62, 9-4-62, 9-5-62, 9-6-62, 9-7-62, 9-8-62, 9-9-62, 9-10-62, 9-11-62, 9-12-62, 9-13-62, 9-14-62, 9-15-62, 9-16-62, 9-17-62, 9-18-62, 9-19-62, 9-20-62, 9-21-62, 9-22-62, 9-23-62, 9-24-62, 9-25-62, 9-26-62, 9-27-62, 9-28-62, 9-29-62, 9-30-62, 10-1-62, 10-2-62, 10-3-62, 10-4-62, 10-5-62, 10-6-62, 10-7-62, 10-8-62, 10-9-62, 10-10-62, 10-11-62, 10-12-62, 10-13-62, 10-14-62, 10-15-62, 10-16-62, 10-17-62, 10-18-62, 10-19-62, 10-20-62, 10-21-62, 10-22-62, 10-23-62, 10-24-62, 10-25-62, 10-26-62, 10-27-62, 10-28-62, 10-29-62, 10-30-62, 10-31-62, 11-1-62, 11-2-62, 11-3-62, 11-4-62, 11-5-62, 11-6-62, 11-7-62, 11-8-62, 11-9-62, 11-10-62, 11-11-62, 11-12-62, 11-13-62, 11-14-62, 11-15-62, 11-16-62, 11-17-62, 11-18-62, 11-19-62, 11-20-62, 11-21-62, 11-22-62, 11-23-62, 11-24-62, 11-25-62, 11-26-62, 11-27-62, 11-28-62, 11-29-62, 11-30-62, 12-1-62, 12-2-62, 12-3-62, 12-4-62, 12-5-62, 12-6-62, 12-7-62, 12-8-62, 12-9-62, 12-10-62, 12-11-62, 12-12-62, 12-13-62, 12-14-62, 12-15-62, 12-16-62, 12-17-62, 12-18-62, 12-19-62, 12-20-62, 12-21-62, 12-22-62, 12-23-62, 12-24-62, 12-25-62, 12-26-62, 12-27-62, 12-28-62, 12-29-62, 12-30-62, 12-31-62, 1-1-63, 1-2-63, 1-3-63, 1-4-63, 1-5-63, 1-6-63, 1-7-63, 1-8-63, 1-9-63, 1-10-63, 1-11-63, 1-12-63, 1

OIL OR GAS SANDS OR ZONES

(Dense gas)

No. 1, from	to	No. 1, from	to
No. 2, from	to	No. 2, from	to
No. 3, from	to	No. 3, from	to

IMPORTANT WATER SOUNDS

01	mon, 6.0%	02	mon, 1.0%
03	mon, 4.0%	04	mon, 8.0%

CASING RECORD

Count	Net cost	Through bar	Price	Amount	Kind of shoe	Kind and depth of tool	From	Estimated	Particulars
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 disconnected, 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 or shots.									

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

WEDDING AND GEMMENTING RECORD

[illegible]

PLUGS AND ADAPTERS

Heaving plug--Material	Depth	Depth
Abutment--Material	Size	Depth

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
See General Instructions						

TOOLS USED

Cable tools were used from	feet to	feet and from	feet to
Heavy tools were used from	feet to	feet and from	feet to

ESTAD

It was well run for 24 hours	Gallons gasoline per 1,000 cu. ft. of gas
Emission; water; and sediment	Gravity, °Bé.
The production for the first 24 hours was	barrels of fluid of which was oil;
Test report: V-77	Port to producing

EMPLOYEES

Driller	Driller	Driller	Driller
Driller	Driller	Driller	Driller

FORMATION RECORD

[illegible]