Form 9-330

5 USGS
1 Redfern & Hard
1 Pioneer Prod.
1 Christman
1 File

RECEIVED JUL 24 1962 OIL CON. COM. DIST. 3

Form approved.
Budget Bureau No. 42-R355.4.

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER NM 010063
LEASE OR PERMIT TO PROSPECT

RECEIVED JUL 23 1962 U. S. GEOLOGICAL SURVEY FARMINGTON, NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Redfern and Hard, Inc. Address Box 1747 Midland, Texas

Lessor or Tract Lucerne Field Basin - Dakota State New Mexico

Well No. C-1 Sec. 21 T28N R.11W Meridian NMPM County San Juan

Location 1580 ft. {N. / S.} of N Line and 900 ft. {E. / W.} of E Line of Sec 21 Elevation 5680 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. Dugan

Date July 18, 1962 Title Consulting Engineer

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

Commenced drilling April 18, 1962 Finished drilling May 18, 1962

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 6114 to 6119 (G) No. 4, from 6250 to 6266 (G)

No. 2, from 6137 to 6147 (G) No. 5, from to

No. 3, from 6200 to 6220 (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 From—	Perforated To—	Purpose
8 5/8"	24#	8R	Smls	199.83	Tex Pattern				Surface
4 1/2"	10.5#	8R	Smls	6322.96	Guide		6114	6266	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	203	125	Pump Plug		
4 1/2"	6326	275	Pump Plug		

FOLD | MARK

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
See Sundry Notice for detailed Perf and Frac Information						

TOOLS USED

Rotary tools were used from 0 feet to 6330 feet, and from feet to feet

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

DATES

Test Date June 3, 1962 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 10,120 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 2072

EMPLOYEES

Aspen Drilling Co. Driller Contractor, Driller

, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			LOG TOPS
			Pictured Cliffs 1042
			Lewis 1729
			Cliffhouse 3202
			Menefee 3324
			Point Lookout 4027
			Mancos 4327
			Gallup 5232
			Greenhorn 6025
			Graneros Sh 6080
			Graneros Sd 6115
			Dakota 6192

16—43094-5

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

HISTORY OF OIL OR GAS WELL

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.

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