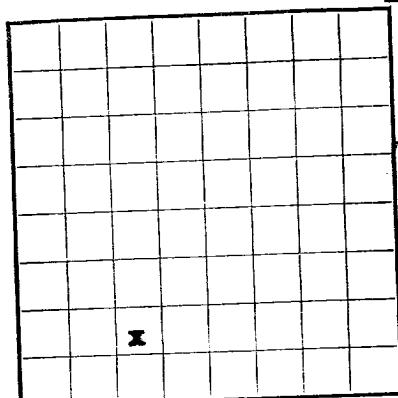


SERIAL NUMBER _____
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

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 Cooper Field Basin State New Mexico

Well No. 1 Sec. 7 T. 29N R. 11W Meridian NMPM County San Juan

Location 990 ft. N. of S Line and 1450 ft. E. of W Line of Sec 7 Elevation 5673
(Derrick floor relative to sea level)

IX.

all work done thereon

Location 990 ft. N. of S Line and 1450 ft. E of S Line of Section 36, Township 36N., Range 10E., (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 Charles E. Smith

Date 1-14-61 Title Engineer

Date 11-14-60
The summary on this page is for the condition of the well at above date.
Commenced drilling 10-25-, 160 Finished drilling 11-16, 1960

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

(Denote gas by 47)

No. 1, from 6280 to 6504	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. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

CASING RECORD									
Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8	24	8R	Lone Star 191	655	Guide				
4 1/2	9.5 & 11.6	8R	CR	655	Guide				

MUDDING AND CEMENTING RECORD

MUDDING AND CEMENTING RECORD					
Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	204	140	Pump plug		
4 1/2	6548	300	" "		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set

Adapters—Material Size

SHOOTING RECORD

SHOOTING RECORD						
Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
6280-6301,	6362-96,	6402-08,	6432-38,	6471-6504		
frac 57,000# and 57,000 Gal water						
TOOLS USED						

TOOLS USED

TOOLS USED

Rotary tools were used from 200 feet to 6550 feet, and from _____ feet to _____ feet

Cable tools were used from surface feet to 200 feet, and from _____ feet to _____ feet

DATES

DATES

_____, 19____ Put to producing _____, 19____
 _____, 19____
 The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%
 emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____
 _____ 1,000 cu. ft. of gas _____

If gas well, cu. ft. per 24 hours 1,645,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 2121

EMPLOYEES

EMPLOYEES

Exeter Drlg Co.	DRILL Contractor	Jack Thornton	Geologist	DRILL
Lee Naylor	DRILL Tool Pusher	T. A. Dugan	Engineer	DRILL

FORMATION RECORD

FORMATION RECORD			
FROM—	TO—	TOTAL FEET	FORMATION
			Base of Kirtland 637'
			Farmington Sand 979'
			Pictured Cliff 1815'
			Lewis Shale 1888'
			Cliff House 3415'
			Menefee Shale 3551'
			Point Lookout 4156'
			Mancos Shale 4402'
			Gallup 5424'
			Sanastee 5803'
			Greenhorn 6181'
			Graneros Shale 6230'
			Graneros Sand 6280'
			Dakota Sand 6360'

SECRET

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

FORMATION RECORD—Continued