



Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE **Santa Fe**
SERIAL NUMBER **MM 011639**
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company E. L. FUNDINGSLAND Address 1402 Denver U. S. National Center
 Lessor or Tract Sunical Federal Field Basin Dakota State New Mexico
 Well No. 2-D Sec. 19 T. 26N R. 7W Meridian NMPM County Rio Arriba
 Location 890 ft. EXX of N Line and 790 ft. EXX of E Line of NE/4 Elevation 6202
 (Derive flow 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 **September 13, 1963**

Title **Exploration Manager**

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

Commenced drilling June 2, 1963 Finished drilling June 25, 1963

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **6439** to **6476** No. 4, from **6580** to **6648**
 No. 2, from **6482** to **6526** No. 5, from **6658** to **6676**
 No. 3, from **6540** to **6576** 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

	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	12	OFI	175					
4	3/2"	9	5	CFI	4481			6429	6667	Prod.
2	3/8"	10	6	CFI	6030					
HISTORY OF OUR CUMULATIVE										

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	175'	125	Halliburton		
4 1/2"	6681	200	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

TOOLS USED

Rotary tools were used from 0 feet to 6682 feet, and from _____ feet to _____ feet

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

DATES

_____, 19____ 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 2087 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. ----2276-----

EMPLOYEES

Rayco Drilling Company, Driller

..... Driller Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
	2098		Pictured Cliffs
	4375		Point Lookout
	5590		Gallup
	6341		Greenhorn
	6390		Graneros
	6439		Dakota
	6682		Total Depth

Ran correlation log. Perforated 6650-6657 and 6661-6667 with one hole per foot. Frac treated with 13,500# sand and 33,500 gallons of water and 20 tons of CO₂. Breakdown pressure 3800#. Treating pressure 3800-4200#; Instant shut-in pressure 2600#; Injection rate 11.1 BPM. Set bridge plug at 6630'. Perforated 6429, 6430, 6475, 6475, 6481, 6538, 6546, 6545, 6555, 6567, 6576, 6592 and 6602 with one hole each. Frac treated with 28,000# of sand and 43,000 gallons of water and 20 tons of CO₂. Breakdown pressure 3800#. Treating pressure 3600-4000#; Instant shut-in pressure 1900#; Injection rate 20 BPM. Drilled out bridge plug and cleaned out to 6675' - Pulled tubing and bit. Ran tubing with 6' perforated nipple on bottom. Set tubing at 6630'. Installed Christmas Tree. Completed 7-25-63. Had 600# pressure on tubing on 7-25-63. Blew well for 2 hours. Would not blow down. Making oil as well as gas.

Subject well tested 8-21-63. Charts attached.

