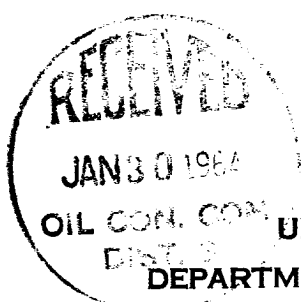


Section 20

LOCATE WELL CORRECTLY



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

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

JAN 22 1964

U.S. DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION

LOG OF OIL OR GAS WELL

Company E. L. Fundingsland Address 1402 Denver U.S. National Center,
Denver, Colo.
Lessor or Tract Sunical Federal Field Basin Dakota State New Mexico
Well No. 3-D Sec. 20 T. 26N R. 7W Meridian NMPH County Rio Arriba
Location 1020 ft. SW of N Line and 790 ft. E of W Line of NW/4 Elevation 6200
(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.

Date January 20, 1964 Signed E. J. Landrum Title Exploration Manager

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

Commenced drilling October 22, 1963 Finished drilling November 14, 1963

OIL OR GAS SANDS OR ZONES

(Denote gas by $\mathfrak{G}$)

(Denote gas by G)

No. 1, from <u>6482</u> to <u>6514</u> No. 2, from <u>6544</u> to <u>6572</u> No. 3, from <u>6584</u> to <u>6602</u>	No. 4, from <u>6630</u> to <u>6660</u> No. 5, from <u>6670</u> to <u>6682</u> No. 6, from <u>6688</u> to <u>6708</u>
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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	24.5	57	CP1	200'	SIG KING	6455	6691	Production	
4 1/2	10.55	57	CP1	6730'					
2 3/8	4.79	57	CP1	6700'					
H21082 CL CUT ON C/W LEFT									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	200'	150	Halliburton		
4 1/2	6730	175	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 6730 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

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

Rock pressure, lbs. per sq. in. ----- 1786

EMPLOYEES

_____, Driller _____, Driller
Rayco Drilling Co. _____, Driller _____, Driller

FORMATION RECORD

FROM--	TO--	TOTAL FEET	FORMATION
	2160		Pictured Cliffs
	4447		Point Lookout
	5620		Gallup
	6385		Greenhorn
	6434		Graneros
	6482		Dakota
	6730		TD
Ran Induction Electric Log after reaching TD. Set 4 1/2" casing at 6730 w/175 sack. Cemented through Halliburton DV tool at 2240' w/100 sacks. Cleaned out to 6700. Ran Bond Log. Perforated 6663-64 and squeezed. Reversed out cement. Cleaned out to 6663-64 and around shoe with maximum pressure of 3500#. Cleaned out to 6720. Perforated 6691-95 w/3 holes, 6670-73 w/3 holes, 6650-56 w/6 holes, 6641-43 w/2 holes and 6633-35 w/2 holes. Frac treated down casing with 22,000# 20-40 sand and 50,000 gals water with 300 cubic ft. of CO₂ per barrel. Breakdown pressure 3200#. IR 18 BPM. Blew well 6 hours. Set CIBP at 6620. Perforated 6486-90 w/3 holes and 6544-66 w/7 holes and 6588-96 w 4 holes. Frac treated with 30,000# of 20-40 sand and 60,300 gals water with 293 cubic feet of CO₂ per barrel. Breakdown pressure 2800#. IR 17 BPM. Flowed well. Drilled Bridge plug and installed Xmas tree.			
Subject well tested 12/31/63			
Charts attached.			

Ran Induction Electric Log after reaching TD. Set 4 1/2" casing at 6730 w/175 sacks. Cemented through Halliburton DV tool at 2240' w/100 sacks. Cleaned out to 6700. Ran Bond Log. Perforated 6663-64 and squeezed. Reversed out cement. Cleaned out to 6730'. Squeezed perforation at 6663-64 and around shoe with maximum pressure of 3500#. Cleaned out to 6720. Perforated 6691-95 w/3 holes, 6670-73 w/3 holes, 6650-56 w/6 holes, 6641-43 w/2 holes and 6633-35 w/2 holes. Frac treated down casing with 22,000# 20-40 sand and 50,000 gals water with 300 cubic ft. of CO₂ per barrel. Breakdown pressure 3200#. IR 18 BPM. Blew well 6 hours. Set CIBP at 6620. Perforated 6486-90 w/3 holes, 6544-66 w/7 holes and 6588-96 w 4 holes. Frac treated with 30,000# of 20-40 sand and 60,300 gals water with 293 cubic feet of CO₂ per barrel. Breakdown pressure 2800# IR 17 BPM. Flowed well. Drilled Bridge plug and installed Xmas tree.

Subject well tested 12/31/63

Charts attached.

[illegible]

Y. O. B. 2000.01.15.17.12.01

Casey, Mary Elizabeth. 1911. "The History of the City of New York." New York: The City of New York.

END OF PAGE 249 OF 300

10. *deprecatum*

No. 8 from ...	No. 7 from ...
No. 6 from ...	No. 5 from ...
No. 4 from ...	No. 3 from ...
No. 2 from ...	No. 1 from ...

RUHAR EITAW THALDINE

[illegible]

00039-1000

[illegible]

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 pings or bridges were put in to test for water, state kind of material used, position, and results of pumping or balling.

HISTORY OF OIL OR GAS WELL

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