

U. S. LAND OFFICE -- NAVAJO -----
SERIAL NUMBER -- 11 20 603 5036 -----
LEASE OR PERMIT TO PROSPECT -----

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company ROYAL DEVELOPMENT CO. Address BOX 1299 ALBUQUERQUE N.M.
 Lessor or Tract MAVAJO Field SHIFFROCK GALLUP State NEW MEXICO
SHIFFROCK 16
 Well No. L-7 Sec 16 T. 29N R. 18W Meridian NMPM County SAN JUAN
 Location 1980 ft. [N.] of S. Line and 495 ft. [E.] of W. Line of Sec 16 Elevation 5183
 [S.] [W.] (Derrick floor relative to 1980)

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 5 6 61

Title C r Stringer
C r Stringer Prod Supt

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

Commenced drilling 5 4 61-----, 19----- Finished drilling 5 4 61-----, 19-----

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 119 to 123 No. 4, from _____ to _____
 No. 2, from 128 to 129 No. 5, from _____ to _____
 No. 3, from 133 to 135 $\frac{1}{2}$ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from none to _____

No. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

CASING RECORD							Perforated		Purpose
Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	From—	To—	
5 1/2	25	10	55	15	Tex				
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
5 1/2	115	6	Cemented to surface		

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
	FORMATION: TOPS - 0'		MANCOS			
		88'	GALLUP)			

TOOLS USED

Rotary tools were used from 0 feet to 145 feet, and from 145 feet to 150 feet.

Cable tools were used from none feet to 145 feet, and from 145 feet to 150 feet.

DATES

5461, 19 Put to producing same, 19

The production for the first ~~thousand~~ ³ barrels of fluid of which _____% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Be. ¹⁰⁰ _____

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

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

EMPLOYEES

_____, Driller O L RAY DRILLING CO. GRANTS, Driller
_____, Driller _____, Driller

FORMATION RECORD

[illegible]

170

A blank sheet of white graph paper featuring a uniform grid of thin black horizontal and vertical lines. The grid covers most of the page, leaving margins at the top, bottom, and sides. There are no markings, text, or drawings on the paper.

1. *Chlorophyll a* and *Chlorophyll b* contents were determined by the method of Arar and Collins (1971).

and the

END OF SETAW TRANSMISSION

[illegible]

HISTORY OF OIL OR GAS WELL

16-43084-2 U. S. GOVERNMENT PRINTING OFFICE

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