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Allottee: ~~XXXXXXXXXX~~ Yah nes pah
Tribe: ~~XXXXXXXXXX~~ Navajo
LEASE OR PERMIT TO PROSPECT
14-20-603-4905
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company EFROC ASSOCIATES Address Box 1710, Durango, Colorado
 Lessor or Tract Navajo Field Horseshoe State New Mexico
 Well No. 4 Sec. 2 T. 30N R. 16W Meridian NMPM County San Juan
 Location 1980 ft. [N.] of S. Line and 660 ft. [W.] of E. Line of Section 2 Elevation 5544
 (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 W. E. Carr

Date 3-17-61 Title Partner

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

Commenced drilling 7-21, 19 61 Finished drilling 8-12, 19 61

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

No. 1, from 1582 to 87		No. 4, from 1615 $\frac{1}{2}$ to 20 $\frac{1}{2}$	
No. 2, from 1589 to 93		No. 5, from 1654 to 58	
No. 3, from 1597 to 1611		No. 6, from 1730 to 34	

IMPORTANT WATER SANDS 1749 to 51

No. 1, from ~~None~~ 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" 32.75	BR			1201	guide	production			surface pipe
5 1/2" 14.5	BR			1200	guide	production			production casing

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	301'	35sax	pump & plug	-	-
5 1/2"	1800'	85sax	pump & plug	-	-

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 _____ feet to _____ feet, and from _____ feet to _____ feet.

Cable tools were used from 1000 feet to 1810 feet, and from feet to feet.

Put to producing ----- 8-17, 1961

The production for the first 24 hours was 32 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % 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. -----

EMPLOYEES

P. T. Chadwick, Driller

Name Thomson, Driller _____, Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
surface	390	390	Pt. Lookout sandstone
390	1583	1193	Mancos shale
1583	1810	227	Gallup member, Mancos shale