

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

U. S. LAND OFFICE

SERIAL NUMBER **NM-03523**

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Southwest Production Company Address 207 Petr. Club Plaza, Farmington, N.M.
Lessor or Tract Holloway Federal "B" Field Basin Dakota State New Mexico
Well No. 1 Sec. 31 T. 27N R. 11E Meridian NMPM County San Juan
Location 890 ft. $\left\{ \begin{array}{l} \text{N.} \\ \text{S.} \end{array} \right\}$ of S Line and 890 ft. $\left\{ \begin{array}{l} \text{E.} \\ \text{W.} \end{array} \right\}$ of N Line of Sec. 31 Elevation 6105 G.L.

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. Original signed by
Signed - Carl W. Smith

Date 12/1/61 Title Superintendent

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

Commenced drilling 10/30, 1961 Finished drilling 11/10, 1961

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from ~~G-6234~~ to ~~6248~~ No. 4, from _____ to _____
 No. 2, from ~~6257~~ to ~~6261~~ No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4" 4 1/2"	210 6325	150 sx HA-5 2% Pump & Plug 200 sx 50/50 pozmix 4% gel, 100		sx Halad 1% Pump & Plug	
	Landed 1st at 6325				

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 6325 feet, and from feet to feet

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

DATES

Tested 11-27, 1961 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. _____

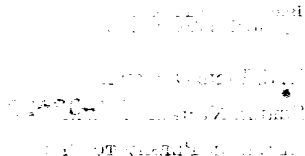
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 3,780 MCF

	3,859 AOR - Sick & up after 8 days 20/04, 3 hr. flowing press. tbg. 302, # csg. 1377#.
C. B. Cagle	Driller
Ira Armstrong	Driller
	S. H. Roberson
	Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			Electric Log tops:
			Pictured Cliff 1636
			Lewis 1778
			Cliff House 2510
			Point Lookout 4090
			Mancos 4390
			Gallup 5196
			Greenhorn 6071
			Graneros 6128
			Dakota 6232



NEW SAC SO MO TO GO

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

HISTORY OF OIL OR GAS WELL

10-43089-2 U. S. GOVERNMENT PRINTING OFFICE

FROM-	TO-	TOTAL FEET	FORMATION
			1. 0-10' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and feldspar, also some small pieces of chert. This is the base of the formation. 2. 10-20' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and feldspar, also some small pieces of chert. This is the base of the formation. 3. 20-30' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and feldspar, also some small pieces of chert. This is the base of the formation. 4. 30-40' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and feldspar, also some small pieces of chert. This is the base of the formation. 5. 40-50' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and feldspar, also some small pieces of chert. This is the base of the formation. 6. 50-60' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and feldspar, also some small pieces of chert. This is the base of the formation. 7. 60-70' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and feldspar, also some small pieces of chert. This is the base of the formation. 8. 70-80' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and feldspar, also some small pieces of chert. This is the base of the formation. 9. 80-90' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and feldspar, also some small pieces of chert. This is the base of the formation. 10. 90-100' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and feldspar, also some small pieces of chert. This is the base of the formation.