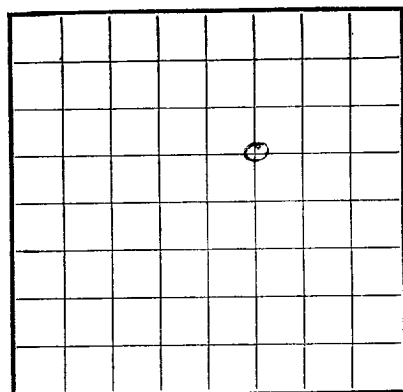




U. S. LAND OFFICE Towaoc, Colo.
SERIAL NUMBER 14-20-604-119
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Pubco Petroleum Corp. Address 106 West Chuska, Aztec, N. M.
Lessor or Tract Mountain Ute Field Varde-Gallup State New Mexico
Well No. 19-7 Sec. 19 T. 31N R. 11W Meridian NMPM County San Juan
Location 1980 ft. N of N Line and 1980 ft. E of E Line of Section 19 Elevation 5651
(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 BC. Jacobs

Date January 17, 1958 Title Geologist

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

Commenced drilling December 19, 1957 Finished drilling January 5, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2751 to 2843 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ 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

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	107.63	100 sacks reg	Circulated		
5 1/2	2751	See explanation below			
2 3/8	2315.15	None			

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
Sand Oil Free open hole	2751-2843	w/ 31500 gal oil and 20000# sand 20-40 mesh No Breakdown,	Injection rate 42 bpm,	Treating pressure 400 psi		

TOOLS USED

Rotary tools were used from Surface feet to 2751 feet, and from _____ feet to _____ feet

Cable tools were used from 2751 feet to 2843 feet, and from _____ feet to _____ feet

4040 DATES

-----January 17-----, 1953----- See Put to producing -----January 18-----, 1953-----

The production for the first 24 hours was below barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% sediment. Gravity, °Bé. 1.020

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

J. E. Jackson	, Driller	L. Hutchinson	, Driller
L. Olson	, Driller	L. J. Smoot	, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
Surface	1624	1624	Lewis-Mesaverde
1624	2810	1186	Mencos
2810	2840	30	Gallup
IP:	Swab frac oil 1190 BOPD (3 hr test)		
	New oil 149.83 BOPD (Pump Capacity)		
5 1/2" casing cement	(1) stage:	33 sx reg cnt 80 cu ft stratacrete 61 gal 1/2" sx flocele thru casing shoe	
	(2) stage:	Same as above but thru Baker 2 stage cement collar	
	Baker 2 stage cement collar 1664'		
	Top cement temperature survey 1350'		

[OVER]

16-43094-4



UNITED STATES GOVERNMENT
OFFICE OF THE DIRECTOR
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C. 20535

NEW! 2008 Edition

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

16-43094-2 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 chert. 2. 10-20' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert. 3. 20-30' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert. 4. 30-40' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert. 5. 40-50' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert. 6. 50-60' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert. 7. 60-70' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert. 8. 70-80' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert. 9. 80-90' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert. 10. 90-100' Sandstone, yellowish, medium grained, somewhat silty, contains small pebbles of quartz and chert.