



U. S. LAND OFFICE -----  
SERIAL NUMBER -----  
LEASE OR PERMIT TO PROSPECT -----  
Navajo Indian Tribal Contract  
ATES 1-149-Ind-7653  
THE INTERIOR  
SURVEY

# LOG OF OIL OR GAS WELL

Company Ken Blackford Address P. O. Box 108, Lubbock, Texas  
 Lessor or Tract Navajo Tribal Field Wildcat State New Mexico  
 Well No. 1 Sec. 1 T. 30-N R. 17 W Meridian NMPM County San Juan  
 Location 1980 ft. N of 3 Line and 1980 ft. E of W Line of Section 1 Elevation 5305'  
 (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 November 7, 1957

Signed Ken Bueford

Title Operator

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

Commenced drilling October 9, 1957 Finished drilling November 4 1957

## OIL OR GAS SANDS OR ZONES

(Denote gas by  $G$ )

(Denote gas by G)

No. 1, from ----- to -----	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. 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
MARK	8 5/8		68'	40	Pump		

## PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth set .....

Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

[illegible]

## TOOLS USED

Rotary tools were used from Surface feet to Total Depth feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet.

## DATES

Plugged November 5....., 1897..... Put to producing..... 19

The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_ % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment. Gravity. °Ré \_\_\_\_\_

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 \_\_\_\_\_ Driller

\_\_\_\_\_, Driller

## FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
-0-	818	318	Shale
818	840	22	Core #1 818-830 Dark Gray Calcareous Shale; 830-840 Dark Gray Shale Very Calcareous, Few sand inclusions, fossiliferous calcite partings
840	867	27	Core #2 840-860.5 Dark Gray Calcareous Shale; 860.5-861 Limestone, crystalline, sandy; 861-864 Dark Gray Calcareous Shale; 864-864.3 Limestone, crystalline, sandy; 864.3-864.8 Gray Calcareous Shale; 864.8-866 Limestone, crystalline, sandy, Shale inclusions, Very slight <del>stain</del> stain, Very Tight; 866-867 Gray Calcareous Shale
867	894	27	Core #3 867-871.5 Dark Gray Shale, Calcareous; 871.5-876 Gray Shale w/sandy inclusions, Very calcareous & Tight; 876-878.5 Sandstone, Gray medium grain semi-angular, Very Tight, Calcite cement; 878.5-886 Sandstone & Shale Interbedded Sandstone very tight, calcareous cement; 886-888 Gray Shale; 888-893 Sandstone & Shale Interbedded, Tight, Very Calcareous
894	918	24	Core #4 Dark Gray Shale, Calcareous w/numerous interbeds & inclusions of fine grained calcareous sandstone
918	1485	567	Shale
1485	1651	166	Hard Sand & Shale
1651	1716	65	Shale
		1716	Total Depth

**FORMATION RECORD—Continued**

FROM-	TO-	TOTAL FEET	FORMATION
			Formation Tops via Schlumberger Survey:-
			Gallup 868'
			Greenhorn 1350'
			Dakota 1445'
			Morrison 1639'
			Plugging Record:- Set cement plugs as fo
			From 1500' to 1300' w/62 sax
			From 950' to 800' w/46 sax
			In Surface casing w/ 3 sax

### HISTORY OF OIL OR GAS WELL

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.

1. "GOLF MEET" 2. "GOLF MEET"

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1. *Journal of the American Medical Association*, 1997; 277: 1039-1043.

1. *Chlorophyll a* and *Chlorophyll b* contents were determined by spectrophotometry using the method of Lichtenthaler and Whistler (1987).