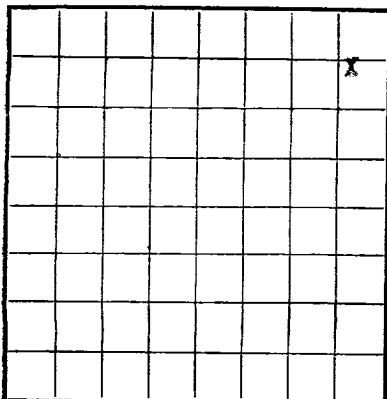




LOCATE WELL CORRECTLY

U. S. LAND OFFICE _____
SERIAL NUMBER _____
LEASE OR PERMIT TO PROSPECT _____UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Banner Drilling Company Address P. O. Box 1571 Farmington, New Mexico
Lessor or Tract Nav-Ute #14-20-604-1951 Field Horse Shoe Gallup State New Mexico
Well No. 8 Sec. 28 T. 31N R. 16W Meridian NMPM County San Juan
Location 530 ft. N. of 8 Line and 580 ft. E. of 8 Line of Sec. 28 Elevation 5666 ft. (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 _____

Date 9/17/59 Title Co-Owner

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

Commenced drilling 8/22, 1959 Finished drilling 9/26, 1959

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1578 to 1600 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

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>3 1/2"</u>	<u>11.4</u>	<u>8 RT</u>	<u>J55</u>	<u>101</u>					
<u>5 1/2"</u>	<u>15</u>	<u>8 RT</u>	<u>J55</u>	<u>1660</u>					Prod. CSG
<u>2"</u>	<u>4.7</u>	<u>8 RT</u>	<u>J55</u>	<u>1649</u>					Prod. TBC

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>3 1/2"</u>	<u>101</u>	<u>100</u>	<u>Circulated</u>		
<u>5 1/2"</u>	<u>1658</u>	<u>100</u>	<u>Single Stage</u>		

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 1750 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

9/17, 1959 Put to producing 9/15, 1959

The production for the first 24 hours was _____ barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and _____ % sediment. Gravity, °Bé. 43

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. L. Copeland, Driller _____, Driller
H. T. Clark, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>115</u>	<u>115</u>	<u>Soil & Sand Stone</u>
<u>115</u>	<u>800</u>	<u>685</u>	<u>Sandy Shale</u>
<u>800</u>	<u>1451</u>	<u>651</u>	<u>Shale Sandy.</u>
<u>1451</u>	<u>1550</u>	<u>99</u>	<u>Shale</u>
<u>1550</u>	<u>1576</u>	<u>26</u>	<u>Shale Sandy.</u>
<u>1576</u>	<u>1586</u>	<u>10</u>	<u>Sand.</u>
<u>1586</u>	<u>1598</u>	<u>12</u>	<u>Sand & Shale.</u>
<u>1598</u>	<u>1714</u>	<u>116</u>	<u>Sandy Shale.</u>
<u>1714</u>	<u>1720</u>	<u>6</u>	<u>Sand.</u>
<u>1720</u>	<u>1750</u>	<u>30</u>	<u>Sandy shale F.D.</u>
			<u>Formation Tops.</u>
			<u>HANC S- 230 ft</u>
			<u>GALLUP- 1544 ft</u>
			<u>SAVASTEE- 1715 ft</u>
FROM—	TO—	DEPTH FEET	FORMATION

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

[illegible]

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

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 _____

Location _____ ft. S. _____ ft. W. _____ of _____ line and _____ ft. _____ of _____ line of _____

Well No. _____ Sec. _____ T. _____ R. _____ Meridian _____ County _____ State _____

Lessor or Trust _____

Company _____

Address _____

Commenced drilling _____, 19____ Finished drilling _____, 19____

(Derecho de su G)

OIL OR GAS SANDS OR ZONES

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

IMPORTANT WATER SANDS

..... of from No. 3, 6Z of from No. 1, 6Z
 of from No. 4, 6Z of from No. 2, 6Z

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	From - To -	Purpose
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 "struck", or left in the well, give 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 balling.								

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Size grading	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
			1:2:4		

PLUGS AND ADAPTERS

Leaving plug - Material	Length	Depth set
Adapters - Material	Size	

SHOOTING RECORD

Size	Shell used	Hydraulic used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

1991	of 1991	most has, 1991	1991	of 1991	most has, 1991
1991	of 1991	most has, 1991	1991	of 1991	most has, 1991

DATE

If gas well, cu. ft. per 24 hours	Gallons gasoline per 1,000 cu. ft. of gas
Emulsion; % water; and % sediment.	Gravity, °Bé.
The production for the first 24 hours was	barrels of fluid of which % was oil; %
	Paid to producing

EMPLOYEES

Driller		Driller	
Driller		Driller	

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	100	100	Gravelly sand
100	200	200	Sandy gravel
200	300	300	Gravelly sand
300	400	400	Sandy gravel
400	500	500	Gravelly sand
500	600	600	Sandy gravel
600	700	700	Gravelly sand
700	800	800	Sandy gravel
800	900	900	Gravelly sand
900	1000	1000	Sandy gravel
1000	1100	1100	Gravelly sand
1100	1200	1200	Sandy gravel
1200	1300	1300	Gravelly sand
1300	1400	1400	Sandy gravel
1400	1500	1500	Gravelly sand
1500	1600	1600	Sandy gravel
1600	1700	1700	Gravelly sand
1700	1800	1800	Sandy gravel
1800	1900	1900	Gravelly sand
1900	2000	2000	Sandy gravel
2000	2100	2100	Gravelly sand
2100	2200	2200	Sandy gravel
2200	2300	2300	Gravelly sand
2300	2400	2400	Sandy gravel
2400	2500	2500	Gravelly sand
2500	2600	2600	Sandy gravel
2600	2700	2700	Gravelly sand
2700	2800	2800	Sandy gravel
2800	2900	2900	Gravelly sand
2900	3000	3000	Sandy gravel
3000	3100	3100	Gravelly sand
3100	3200	3200	Sandy gravel
3200	3300	3300	Gravelly sand
3300	3400	3400	Sandy gravel
3400	3500	3500	Gravelly sand
3500	3600	3600	Sandy gravel
3600	3700	3700	Gravelly sand
3700	3800	3800	Sandy gravel
3800	3900	3900	Gravelly sand
3900	4000	4000	Sandy gravel
4000	4100	4100	Gravelly sand
4100	4200	4200	Sandy gravel
4200	4300	4300	Gravelly sand
4300	4400	4400	Sandy gravel
4400	4500	4500	Gravelly sand
4500	4600	4600	Sandy gravel
4600	4700	4700	Gravelly sand
4700	4800	4800	Sandy gravel
4800	4900	4900	Gravelly sand
4900	5000	5000	Sandy gravel
5000	5100	5100	Gravelly sand
5100	5200	5200	Sandy gravel
5200	5300	5300	Gravelly sand
5300	5400	5400	Sandy gravel
5400	5500	5500	Gravelly sand
5500	5600	5600	Sandy gravel
5600	5700	5700	Gravelly sand
5700	5800	5800	Sandy gravel
5800	5900	5900	Gravelly sand
5900	6000	6000	Sandy gravel
6000	6100	6100	Gravelly sand
6100	6200	6200	Sandy gravel
6200	6300	6300	Gravelly sand
6300	6400	6400	Sandy gravel
6400	6500	6500	Gravelly sand
6500	6600	6600	Sandy gravel
6600	6700	6700	Gravelly sand
6700	6800	6800	Sandy gravel
6800	6900	6900	Gravelly sand
6900	7000	7000	Sandy gravel
7000	7100	7100	Gravelly sand
7100	7200	7200	Sandy gravel
7200	7300	7300	Gravelly sand
7300	7400	7400	Sandy gravel
7400	7500	7500	Gravelly sand
7500	7600	7600	Sandy gravel
7600	7700	7700	Gravelly sand
7700	7800	7800	Sandy gravel
7800	7900	7900	Gravelly sand
7900	8000	8000	Sandy gravel
8000	8100	8100	Gravelly sand
8100	8200	8200	Sandy gravel
8200	8300	8300	Gravelly sand
8300	8400	8400	Sandy gravel
8400	8500	8500	Gravelly sand
8500	8600	8600	Sandy gravel
8600	8700	8700	Gravelly sand
8700	8800	8800	Sandy gravel
8800	8900		