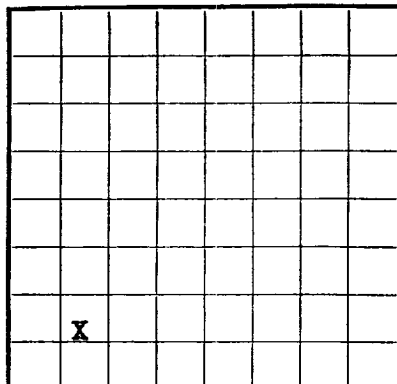


U. S. LAND OFFICE Santa FeSERIAL NUMBER SF 079065

LEASE OR PERMIT TO PROSPECT _____

RECEIVED

DEC 27 1961

U. S. CO. L. COM.
DIST. 3UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Tenneco Corp., acting by & thru its
Company managing agent, Tenneco Oil Co. Address P. O. Box 1714, Durango, Colorado
Lessor or Tract Hagood Gallup Oil Unit "A" Field Totah Gallup State New Mexico
Well No. 1 Sec. 21 T. 29N R. 13W Meridian N.M.P.M. County San Juan
Location 820 ft. [N.] of S. Line and 675 ft. [E.] of W. Line of Section 21 Elevation 5303 GL
(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 J. J. Lacey J. J. LaceyDate December 8, 1961Title District Petroleum Engineer

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

Commenced drilling September 19, 1961 Finished drilling September 30, 1961

OIL OR GAS SANDS OR ZONES
No. 1 from 5186 to 5190 No. 2 from 3000 to 3000
No. 2 from 5134 to 5139 No. 3 from 5134 to 5139
No. 3 from 5143 to 5146 No. 4 from 5143 to 5146

IMPORTANT WATER SANDS
No. 1 from 5134 to 5139 No. 2 from 5134 to 5139
No. 3 from 5143 to 5146 No. 4 from 5143 to 5146

CASING RECORD
No. 1 from 5134 to 5139 No. 2 from 5134 to 5139
No. 3 from 5143 to 5146 No. 4 from 5143 to 5146

CASING RECORD
No. 1 from 5134 to 5139 No. 2 from 5134 to 5139
No. 3 from 5143 to 5146 No. 4 from 5143 to 5146

Size casing	Weight per foot	Threads per inch	Length	Amount	Kind of wood	Cut and pulled from	Perforated	From	To	Purpose
8-5/8	24	8	11	115	Two Plug					
4-1/2	19.5	6	150	150	Two Plug					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	138	115	Two Plug		
4-1/2	5245	150	Two 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 0 feet to 5245 feet, and from _____ feet to _____ feet

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

DATES 24 hrs. 10-54" SPM Potential test: 11-30-61 Pumped 14 BO inDecember 8, 1961Put to producing December 1, 1961

The production for the first 24 hours was 14 barrels of fluid of which 100% 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. _____

EMPLOYEES

_____, Driller _____, Driller

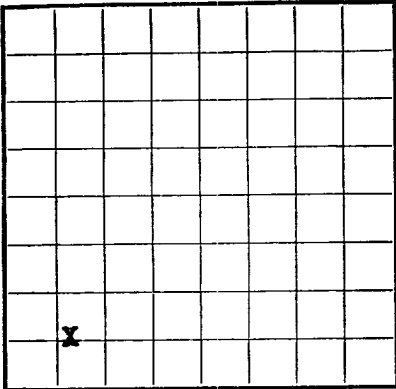
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	11	11	KB to ground level.
11	1050	1039	Shale with sand stringers.
1050	1210	160	Sand with shale stringers.
1210	1900	890	Brown shale.
1900	3800	1900	Sand with shale stringers.
3800	4700	900	Black shale.
4700	5245	545	Shaly and silty sands.

Electric Log Tops

Farmington Sand	140
Fruitland Shale	535
Pictured Cliff	1050
Lewis Shale	1210
Mesaverde	2020
Mancos Shale	3830
Gallup	4760

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF 079065
LEASE OR PERMIT TO PROSPECT _____UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Tenneco Corp., acting by and thru its managing agent, Tenneco Oil Co. Address P. O. Box 1714, Durango, Colorado
Lessor or Tract Hagood Gallup Oil Unit "A" Field Total Gallup State New Mexico
Well No. 1 Sec. 21 T. 29N R. 13W Meridian N.M.P.M. County San Juan
Location 820 ft. N. of S Line and 675 ft. E. of W Line of Section 21 Elevation 5303 GL
(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 J. J. Lacey Title District Petroleum Engineer

Date December 8, 1961 Title District Petroleum Engineer

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

Commenced drilling September 19, 1961 Finished drilling September 30, 1961

OIL OR GAS SANDS OR ZONES
(Denote gas by G)
No. 1, from 5186 to 5190 feet No. 4, from 5190 to 5194 feet
No. 2, from 5194 to 5197 feet No. 5, from 5197 to 5200 feet
No. 3, from 5197 to 5198 feet No. 6, from 5198 to 5200 feet

IMPORTANT WATER SANDS
No. 1, from 5190 to 5194 feet No. 3, from 5197 to 5200 feet
No. 2, from 5194 to 5197 feet No. 4, from 5190 to 5194 feet

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
8-5/8	24	8	Crane	11	Float	Surface	5190	5194	Oil
4-1/2	14	8	Crane	150	Shoe	5194	5197	5200	Water
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	130	11	Two Plug		
4-1/2	5245	150	Two 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 _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Potential test: 11-30-61 Pumped 14 B0 in
Put in 10-54" SPM Dec. 1, 1961
The production for the first 24 hours was 14 barrels of fluid of which 100% 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. _____

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	11	11	KB to ground level.
11	1050	1039	Shale with sand stringers
1050	1210	160	Sand with shale stringers
1210	1900	890	Brown shale
1900	3800	1900	Sand with shale stringers
3800	4700	900	Black shale
4700	5245	545	Shaly and silty sands
			Electric Log Tops
			Farmington Sand 140
			Fruitland Shale 535
			Pictured Cliff 1050
			Lewis Shale 1210
			Mesaverde 2020
			Mancos Shale 3830
			Gallup 4760

