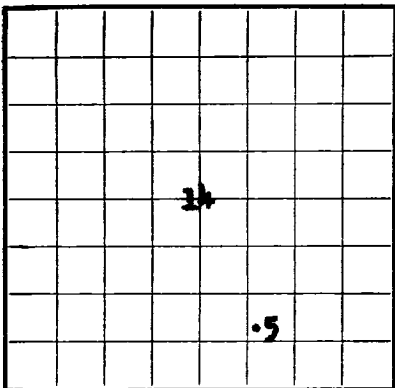




LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Tennessee Gas Transmission Company Address P. O. Box 1714, Durango, Colorado
Lessor or Tract USA Walter O. Berger #5 Field Callaghan-Callan State New Mexico
Well No. 5 Sec. 14 T. 26N R. 11W Meridian BNM County San Juan
Location 790 ft. N of 8 Line and 1850 ft. W of E Line of Section 14 Elevation 6416
(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 R. M. Walker R. M. WalkerDate April 22, 1960Title District Production Mgt.

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

Commenced drilling 11/6 19 59 Finished drilling 11/28 19 59
OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 5420' to 5580' No. 4, from to
No. 2, from 6270' to 6400' 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

Size casing	Weight per foot	Depth	Make	Amount	Kind of shoe	Cut and pulled from	Purpose
9 5/8"	40	8 ft	CPI	200	Guide		Surface
7"	28	6450'	CPI	350	Plug		Production
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
9 5/8"	298'	200	two plug		
7"	6450'	350	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 6480' feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

Callan formation not yet potentialized still recovering lead oil as of 4/22/60

DATES Dakota
Put to producing February 22, 19 60

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.

EMPLOYEES

 , Driller IPF 6007 MCFPD
 , Driller Calc AQF 7643 MCFPD
 , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	11	11	KB to ground level
11	810	799	Sand, shale, conglomerate
810	1200	390	Shales and siltstones
1200	2020	820	Shale and sands
2020	2630	610	Shale
2630	4450	1820	Shale and sandstones
4450	5300	850	Black shale
5300	5390	290	Shaly sands
5390	6220	630	Shale, limy shales
6220	6480	260	Sands and shales
			ELECTRIC LOG TOPS
			870' Farmington Sands
			1240' Fruitland Shale
			1760' Pictured Cliffs
			2020' Lewis Shale
			2630' Mesa Verde
			4450' Mancos Shale
			5295' Gallup Sand
			5380' Lower Mancos
			6145' Greenhorn
			6220' Dakota
			NO CORES OR DST

FROM—

TO—

TOTAL FEET

[OVER]

FORMATION

16-43094-4

FORMATION RECORD—Continued

U.S. LAND OFFICE
SERIAL NUMBER
DATE OF DEPOSIT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF CHIEF OF CAR WHEEL

1 DO NOT WRITE ON THIS PAGE

The information given here is a complete and correct record of the well and all work done thereon as far as can be determined from all available records.

Logged _____
Checked _____
Date _____

Location _____ of _____ Section _____ Township _____ Range _____
Well No. _____ Sec. _____ T. _____ R. _____ Meridian _____ County _____ State _____
Owner or Operator _____
Company Name and Organization _____ Address _____
City _____ State _____

The contents of this page is for the condition of the well as shown in the

DATE: APRIL 28, 1960

THIS SPECIFIC TESTING METHOD

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 01-21-2009 BY 60322 UCBAW

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED DATE 08-11-2010 BY 60321 UCBAW

Unknown Potential, February 22, 1960, KRM 6007 KEVIN on 3/4" sp, WTP 474, Cals AG

to be completed. During the past year, the following equipment was purchased and installed:

276-5519, 5550-80, 1/4

1000

6318-42, 6367-12, 6392-400, V/A, 6392-400

COAST GUARD VESSEL, SET AT 0150, AND COMMUNICATED WITH 350 IN PORTLAND COUNTY.

NOTES FROM 300, to 640, using mail and van electric 1000. The van was converted to 1200.

[illegible]

2025 RELEASE UNDER E.O. 14176

It shows. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing. The well has been dynamited, give exact size, position, and number.

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of recording, 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

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

FROM-	TO-	TOTAL FEET	FORMATION
0	11	11	Gravelly sand
11	15	4	Sand, shale, conglomerate
15	210	195	Shale and conglomerate
210	2200	2000	Shale and sand
2200	2300	100	Shale
2300	2400	100	Shale and conglomerate
2400	2500	100	Shale
2500	2600	100	Shale
2600	2700	100	Shale
2700	2800	100	Shale
2800	2900	100	Shale
2900	3000	100	Shale
3000	3100	100	Shale
3100	3200	100	Shale
3200	3300	100	Shale
3300	3400	100	Shale
3400	3500	100	Shale
3500	3600	100	Shale
3600	3700	100	Shale
3700	3800	100	Shale
3800	3900	100	Shale
3900	4000	100	Shale
4000	4100	100	Shale
4100	4200	100	Shale
4200	4300	100	Shale
4300	4400	100	Shale
4400	4500	100	Shale
4500	4600	100	Shale
4600	4700	100	Shale
4700	4800	100	Shale
4800	4900	100	Shale
4900	5000	100	Shale
5000	5100	100	Shale
5100	5200	100	Shale
5200	5300	100	Shale
5300	5400	100	Shale
5400	5500	100	Shale
5500	5600	100	Shale
5600	5700	100	Shale
5700	5800	100	Shale
5800	5900	100	Shale
5900	6000	100	Shale
6000	6100	100	Shale
6100	6200	100	Shale
6200	6300	100	Shale
6300	6400	100	Shale
6400	6500	100	Shale
6500	6600	100	Shale
6600	6700	100	Shale
6700	6800	100	Shale
6800	6900	100	Shale
6900	7000	100	Shale
7000	7100	100	Shale
7100	7200	100	Shale
7200	7300	100	Shale
7300	7400	100	Shale
7400	7500	100	Shale
7500	7600	100	Shale
7600	7700	100	Shale
7700	7800	100	Shale
7800	7900	100	Shale
7900	8000	100	Shale
8000	8100	100	Shale
8100	8200	100	Shale
8200	8300	100	Shale
8300	8400	100	Shale
8400	8500	100	Shale
8500	8600	100	Shale
8600	8700	100	Shale
8700	8800	100	Shale
8800	8900	100	Shale
8900	9000	100	Shale
9000	9100	100	Shale
9100	9200	100	Shale
9200	9300	100	Shale
9300	9400	100	Shale
9400	9500	100	Shale
9500	9600	100	Shale
9600	9700	100	Shale
9700	9800	100	Shale
9800	9900	100	Shale
9900	10000	100	Shale

FORMATION RECORD—Continued