

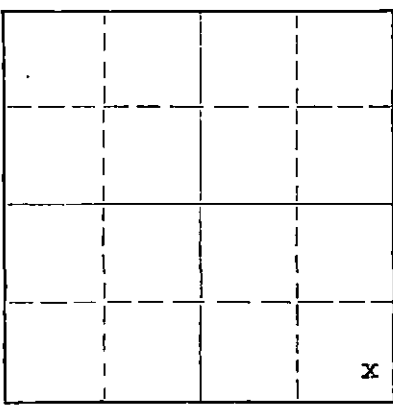
WELL PLUGGING RECORD

Give All Information Completely
Make Required Affidavit
Mail or Deliver Report to:
Conservation Division
State Corporation Commission
211 No. Broadway
Wichita, Kansas

Edwards County, Sec. 15 Twp. 26S Rge. (E) 17 (W)

Location as "NE/CNW/SW" or footage from lines SESESE
Lease Owner Anschutz Drilling Co., Inc.
Lease Name Fatzer Well No. 1
Office Address 1411 Mile High Center, Denver, Colorado
Character of Well (completed as Oil, Gas or Dry Hole) Oil
Date well completed September 10 19 56
Application for plugging filed April 22, 19 57
Application for plugging approved April 24, 19 57
Plugging commenced May 7, 19 57
Plugging completed May 18, 19 57
Reason for abandonment of well or producing formation Non-commercial

NORTH



Locate well correctly on above Section Plat

If a producing well is abandoned, date of last production February 9, 19 57
Was permission obtained from the Conservation Division or its agents before plugging was commenced? Yes

Name of Conservation Agent who supervised plugging of this well Mr. M. A. Rives
Producing formation Viola Dolomite Depth to top 4676 Bottom 4800 Total Depth of Well 4895 Feet
Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

FORMATION	CONTENT	FROM	TO	SIZE	PUT IN	PULLED OUT
Viola	Oil	4676	4678	8-5/8"	290'	290'
				5 1/2"	4765'	3908'

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from _____ feet to _____ feet for each plug set.

Plugged back with sand to 4665'; dumped 5 sacks cement. Mudded hole to 290'. Set 10' rock bridge; dumped 6 sacks cement with bailer. Let cement set 1 1/2 hours; dumped 14 sacks cement; mudded hole to 35'. Dumped 10 sacks cement to top of surface casing.

(If additional description is necessary, use BACK of this sheet)

Name of Plugging Contractor E & L Casing Pulling Co.
Address Great Bend, Kansas

STATE OF Colorado, COUNTY OF Denver, ss.
H. O. Lynch (employee of owner) of the above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed and that the same are true and correct. So help me God.

(Signature) *H. O. Lynch*
1411 Mile High Center, Denver, Colorado
(Address)

SUBSCRIBED AND SWORN TO before me this 27th. day of May, 19 57

Dorothy Williams Notary Public.
STATE CORPORATION COMMISSION

My commission expires August 31, 1960

PLUGGING
FILE SEC 15 T. 26 R. 17W
BOOK PAGE 8 LINE 19

JUN 3 X 1957 6-3-57
CONSERVATION DIVISION
Wichita, Kansas

POWELL & RUWWE
 PETROLEUM GEOLOGISTS
 915-16 UNION NATIONAL BANK BLDG.
 WICHITA 2, KANSAS

15-047-10006-0000

STEPHEN E. POWELL
 RALPH W. RUWWE

September 7, 1956

FORM 3-5728

Re: Graham-Michaels & Anschutz Drig. Co.
 #1. Fatten, SE SE SE, Sec. 15-25-17W
 Edwards County, Kansas

Anschutz Drilling Co., Inc.
 709 Union National Building
 Wichita, Kansas

Gentlemen:

Following is a report on the above captioned well, a wildcat, in Edwards County, Kansas.

Samples were examined on this test from 3500 to total depth and drilling progress was watched from 1000 to total depth.

	<u>Sample Tops</u>	<u>Halliburton Tops</u>
Elevation 2121 DF 2124 RB		
Heebner	3864 (-1710)	3862 (-1737)
Brown Lime	4002 (-1878)	3995 (-1872)
Lansing	4016 (-1892)	4010 (-1886)
Base Kansas City	4369 (-2245)	4357 (-2243)
Mississippi Chert	4545 (-2421)	4543 (-2419)
Kinderhook Shale	4594 (-2470)	4574 (-2450)
Miscner Sand	4607 (-2483)	4605 (-2481)
Viola Chert	4562 (-2537)	4561 (-2537)
Viola Dolomite	4676 (-2552)	4676 (-2552)
Simpson	4800 (-2676)	
Arbuckle	4862 (-2738)	4860 (-2736)
Total Depth	4895 (-2771)	4896 (-2772)

There were no commercial showings of oil or gas anywhere in this test other than in the Viola dolomite.

The Lansing-Kansas City section had no shows in any of the developed zones of porosity which were as follows:

- #1 4048-4052: Soft tan fossiliferous limestone, slight vermicular porosity, no stals.
- #2 4091-4102: Tan to brown fossiliferous limestone and some white chalky limestone, no stals.

PLUGGING
 SEC. 15 T. 26 R. 17W
 BOOK PAGE 8 LINE 19

APR 24 1957
 CONSERVATION

- #3 4128-4151: Soft chalky limestone and slightly fossiliferous limestone, no stain.
- #4 4208-4234: Tan calcitic and collicastic limestone, good porosity, no stain, no odor.
- #5 4282-4286: Soft white chalky limestone, no stain.

The Marston section had very little well developed porosity and none of that had any showing of oil.

The Cherokee section was sand and sandy shale with no developed sand bodies and no show.

The Mississippi section was detrital in nature, consisting of weathered chert and soft red shale. The cherts were Mississippian in age but had been weathered to the point where the section had the appearance of a cherty Conglomerate. There were no shows.

The Kinderhook shale was originally reported to be at 4594, however, study of the electric log shows the section from 4574 to 4594, originally thought to be Mississippian in age to be Kinderhook.

The Kinderhook also contained sand sections which have been called Misener. These sands in this well were hard tight fine grained red and white sand with little porosity and no stain. They were found from 4607 to 4634 and from 4644-4657. Shale separated the two sands.

The Viola was topped at 4661 and from 4661 to 4676 consisted of chert and shale. Dolomite was encountered at 4676 with good porosity from 4677 to 4684. This section had some staining of dark oil, but the samples carried no distinctive odor, and only a small amount of free oil. In addition the dolomite had considerable vugular porosity which was unstained. In view of the appearance of this zone, it was decided to drill deeper to find some additional porosity with staining before testing. The next porosity found was from 4710 to 4714. It was poor porosity with a trace of free oil. No odor was present. It was decided to drill stem test both zones without drilling farther. The test was taken from 4677 to 4714. It was open 1 hour with a strong blow and recovered 60' of oil and gas-cut mud, 3040' of clean black oil, and 200' of oil and gas-cut salt water. Initial flow pressure was 760#, final flow pressure 1120#, and bottom hole pressure 1230#. Additional drilling in the Viola showed no more porosity and no additional shows.

The Simpson section had no porosity and no shows of oil.

The Arbuckle was encountered at 4862 and penetrated to 4895. Good porosity was found from 4862 to 4870 and excellent collicastic porosity was present from 4877 to 4884. Neither zone had any showing of oil.

At the total depth of 4895 it was decided to suspend drilling, run a Halliburton log, and run casing to test the Viola.

The Halliburton log confirmed the lack of shows anywhere except the Viola. Computations made from the log show the best porosity to be from 4677 to 4682. In this section the porosity averages 20% from 4677 to 4680 and 16% from 4680 to 4682. Water percentage is 35 to 40% from 4677 to 4682. There is a large decrease in porosity from 4682 down and an increase in water saturation below that point. The lower zone included in the test had insufficient porosity to be considered a possible productive zone, in addition the water saturation was 50%.

Casing was cemented at 4765 in order to test the Viola by perforating the casing. It is recommended that perforating be done as follows: First perforate from 4676 to 4680. If sufficient oil is found to make a commercial well, perforate no more. If additional oil is needed, perforate from 4680 to 4681, and if still more is needed, perforate 4681 to 4682. Do not perforate below 4682 unless all possibilities for obtaining production in commercial amounts have been exhausted.

A condensed copy of the drilling time accompanies this report.

Very truly yours,

POWELL & RUNNE

BY Steve Powell

SBF:la

DRILLING TIME LOG

Anschutz Drilling Co., Inc., #1 Patzer, SE SE SE, Sec. 15-26S-17W, Towanda Co., Kansas

DEPTH		DRILLING TIME	REMARKS
From	To		
3300	3310	1-4-3-3-3-4-5-4-4-3	
	3320	4-4-4-5-4-3-3-6-7-4	
	3330	6-7-6-9-4-4-4-4-3-3	
	3340	4-3-4-5-6-5-6-6-3-4	
	3350	4-6-7-7-7-4-3-3-3-3	
	3360	3-2-3-3-1-2-3-4-4-5	
	3370	4-4-3-4-3-3-2-3-2-3	
	3380	3-3-2-3-3-3-3-2-3-3	
	3390	2-3-5-4-4-3-3-2-2-2	
	3400	1-2-4-4-4-6-7-6-5-7	
3400	3410	6-6-7-7-8-6-4-3-4	
	3420	4-3-3-3-4-3-3-3-3	
	3430	2-2-4-2-3-3-2-3-3-3	
	3440	3-4-5-2-2-2-3-2-2-5	
	3450	3-2-2-3-3-1-3-3-4-3	
	3460	7-5-6-6-5-3-6-4-2-2	
	3470	3-2-2-2-3-3-3-5-4	
	3480	4-4-5-5-5-5-10-7-10-2-2	Trips @ 3480
	3490	8-7-5-3-2-1-3-3-5-5	
	3500	2-4-6-5-4-4-2-2-3-2-1	
3500	3510	2-5-4-4-4-3-3-3-2-2	
	3520	3-3-3-3-4-4-2-2-2-2	
	3530	3-3-3-3-3-2-1-1-1-2	
	3540	2-3-4-7-5-6-5-4-5-4	
	3550	5-5-4-4-4-4-4-4-4-3	
	3560	4-3-3-3-4-4-2-2-2-2	
	3570	1-2-1-2-2-1-1-2-2-4	
	3580	1-1-2-2-1-1-2-3-4-4	
	3590	3-1-1-1-2-2-1-2-1-1	
	3600	1-2-1-2-2-2-2-2-2-2	
3600	3610	2-2-2-2-3-2-1-1-2-2	
	3620	1-2-3-2-3-4-3-4-4-3	
	3630	2-2-4-4-4-3-3-2-3-3	
	3640	4-3-3-3-3-2-2-2-2-2	
	3650	2-2-3-6-6-6-6-5-5-4	
	3660	5-5-10-1-3-1-2-1-1-1-3	
	3670	1-6-1-2-1-2-1-2-6-5-5-3	
	3680	4-3-4-3-4-2-4-3-4-3	
	3690	4-3-4-4-3-3-3-3-3-4	
	3700	3-4-5-3-4-5-2-4-2-3	

From	To	DRILLING TIME	REMARKS
3700	3710	3-2-3-2-3-3-3-3-7-9	
	3720	7-6-5-5-9-10-8-4-4-5	
	3730	4-3-3-3-1-5-6-4-6-8	
	3740	7-6-7-6-5-5-5-5-7-8	
	3750	5-4-7-11-12-8-5-4-3-6	
	3760	5-6-7-11-11-7-5-5-5-4	
	3770	4-3-5-3-3-4-3-3-4-5	
	3780	6-5-7-5-6-6-6-7-7-5	
	3790	6-6-7-7-6-8-5-7-5-5	
	3800	4-3-3-2-2-4-4-3-4-5	
3800	3810	3-4-4-4-4-5-7-7-7-6	
	3720	8-8-9-8-7-8-7-6-7-7	
	3830	7-4-3-3-3-3-4-4-5-4	
	3840	3-3-4-4-5-4-5-4-3-4	
	3850	5-9-8-5-6-9-10-10-11-11	Trip @ 3850
	3860	7-6-6-5-3-3-5-5-8-4	
	3870	7-5-5-6-3-2-3-2-2-1	
	3880	4-8-7-6-3-2-2-4-2-4	
	3890	3-3-4-4-4-5-3-2-2-2	
	3900	2-3-6-4-3-3-4-6-5-6	
3900	3910	2-2-2-3-2-2-5-8-9-5	
	3920	4-4-5-5-5-3-3-3-5-4	
	3930	3-3-4-5-5-3-4-3-4-3	
	3940	3-4-4-3-4-4-3-3-3-4	
	3950	4-2-3-3-3-2-3-3-3-3	
	3960	3-2-3-3-3-3-3-3-3-3	
	3970	3-3-3-3-3-3-3-3-3-4	
	3980	2-3-3-3-3-4-2-2-3-2	
	4000	2-3-2-3-2-3-3-4-4-4	
4000	4010	4-5-9-9-5-6-4-5-5-4	
	4020	4-5-5-7-4-7-5-7-6-7	
	4030	5-7-5-9-7-7-7-4-6-7	
	4040	10-7-6-4-4-9-7-5-6-7	
	4050	8-6-5-5-6-3-4-3-3	
	4060	2-3-6-9-6-6-10-11-12-14	Circ. @ 4054
	4070	4-4-4-6-7-9-8-5-5-12	
	4080	12-10-11-11-10-11-11-12-15-10	
	4090	12-9-7-11-8-11-11-10-8-7	
	4100	10-4-6-3-3-5-4-3-3-4	Circ. @ 4088 4197
4100	4110	4-4-8-10-12-8-11-10-13-13	
	4120	3-4-3-4-4-5-5-6-9-6	Circ. @ 4115
	4130	7-8-11-11-10-10-13-7-4-4	Trip @ 4127
	4140	5-4-4-3-3-4-5-4-3-3-5	
	4150	4-3-4-4-3-4-4-4-3-3	

From	To	DRILLING TIME	REMARKS
4150	4160	4-7-4-5-8-8-8-7-5-8	Circ. @ 4167
	4170	4-3-3-3-3-6-4-5-5-4	
	4180	4-5-6-8-4-6-5-7-6-6	
	4190	8-5-6-4-4-7-6-5-4-4	
	4200	4-6-5-9-6-7-10-5-8-6	
4200	4210	8-13-8-6-8-4-13-7-5-4	Circ. @ 4215
	4220	1-1-1-1-3-3-1-1-1-1	
	4230	1-1-1-1-1-2-3-3-2-1	
	4240	1-1-2-3-8-7-10-10-8-10	
	4250	7-5-7-8-8-9-10-9-7-4	
	4260	4-4-6-4-7-7-8-7-8	
	4270	12-8-9-12-8-11-9-11-10-10	
	4280	10-11-11-12-12-12-12-12-12-13	
	4290	12-12-9-7-8-6-11-10-10-7	
	4300	6-16-14-10-6-6-6-6-9-10	
4300	4310	7-10-16-10-8-11-10-11-13-9	Trip @ 4303
	4320	4-9-11-9-9-6-8-11-9-14	
	4330	10-8-11-7-6-5-8-5-4-3	
	4340	6-5-4-3-9-6-11-7-3-3	
	4350	x-4-6-6-8-6-5-7-8-4	
	4360	6-5-9-11-8-11-9-12-10-7	
	4380	5-8-9-8-7-9-7-10-8-7	
	4390	9-10-8-10-9-9-10-12-9-9	
	4400	8-11-11-10-11-9-10-9-9-9	
4400	4410	7-6-9-8-6-4-4-10-10-11	
	4420	11-10-7-6-4-5-4-4-4-5	
	4430	6-5-8-6-7-11-11-11-10-10	
	4440	8-10-6-7-8-4-8-9-10-9	
	4450	8-9-9-9-8-7-7-12-5-6	
	4460	7-5-4-4-9-5-5-5-6-6	
	4470	7-15-10-9-10-10-12-7-12-9	
	4480	11-8-9-11-9-9-12-9-7-6	
	4490	4-5-9-5-7-8-9-13-15-10	
	4500	12-10-12-9-4-4-5-7-7-7	
4500	4510	12-13-12-21-9-9-10-9-8-10	Circ. @ 4510
	4520	10-8-10-12-13-8-7-6-7-6	
	4530	9-9-7-9-4-4-7-5-7-9	Circ. @ 4520
	4540	8-6-5-4-8-10-9-10-11-8	
	4550	9-9-6-10-10-10-9-4-2-2	Circ. @ 455a
	4560	3-2-9-4-13-7-5-6-11-10	
	4570	12-7-4-4-8-6-7-5-8-6	
	4580	6-4-3-3-4-4-8-15-10-20	
	4590	26-11-5-9-8-12-8-8-5-3	
	3600	6-5-3-4-8-10-10-10-13-9	Trip @ 4581 Circ. @ 4595

FROM	TO	DRILLING TIME	REMARKS
4600	4610	10-8-10-11-10-9-9-7-8-9	
	4620	10-13-13-12-12-8-9-16-16-16	
	4630	14-27-8-10-5-6-6-9-10-20	
	4640	10-10-8-9-8-13-13-36-17-32	
	4650	30-37-28-12-8-6-8-5-7-7	Trip @ 4643
	4660	13-11-9-5-7-7-7-6-7-10	
	4670	12-4-4-4-2-3-5-4-14-21	
	4680	20-23-6-6-8-10-7-4-5-6	Trip @ 4672
	4690	4-5-3-6-17-14-16-13-14-16	
	3700	14-14-14-14-14-13-15-11-13-14-14	
4700	4710	13-8-8-5-15-11-14-8-10-12	
	4720	7-4-6-13-5-8-8-9-9-8	
	4730	11-8-10-10-12-10-10-10-11-11	
	4740	10-10-12-15-15-12-14-13-16-13	
	4750	15-15-15-16-14-16-16-14-14-13	
	3760	16-14-12-16-16-18-12-21-15-12	
	4770	13-9-10-11-15-12-13-9-10-16	
	4780	10-10-13-12-14-8-13-11-8-10	
	4790	9-12-11-12-11-7-7-6-8-7	Trip @ 4785
	4800	8-5-7-6-8-5-5-7-10-10	
4800	4810	4-6-7-8-10-9-10-10-9-9	
	4820	8-8-12-8-8-8-11-10-11-10	
	4830	30-10-8-7-6-7-7-7-7-5	
	4840	8-8-7-8-7-7-8-7-7-7	
	4850	8-7-8-5-6-8-7-7-6-8	
	4860	8-8-10-10-9-8-8-8-7-5	
	4870	6-5-5-5-6-5-5-5-6-4	Circ. @ 4870
	4880	7-7-7-7-7-7-10-6-5-5	
	4890	3-4-15-14-13-10-10-13-11-10	
	4895	13-9-12-16-14	TD 4895