

GEOLOGICAL REPORT

COLORADO OIL & GAS CORPORATION

#1 "G" Adams

NW NW SW, Section 1-35S-30W

Meade County, Kansas

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March 3, 1966

Mr. B. R. Stinson
Colorado Oil & Gas Corporation
915 Union National Bldg.
Wichita, Kansas

Re: #1 "G" Adams
NW NW SW, Section 1-358-30W
Meade County, Kansas

Dear Mr. Stinson:

I examined samples on the above described well from 6050 feet to total depth of 6310 feet. The sample description, sample log, drilling time and drilling time log are included in this report.

The formation tops as picked from the electric log and sample examination are as follows:

Elevation	2448 R.K.B.
Ste. Genevieve	6120 Feet
St. Louis	6197 "
Total Depth	6310 "

The Lower Chester was mostly gray, maroon and green shale with a trace of scattered limy, fine grained sand with spotted oil stain. There were no good reservoir beds developed in this interval.

The Ste. Genevieve was tan to buff, fine crystalline, finely sandy, micro oolitic limestone. There was scattered dark brown to black spotty oil stain in pinpoint porosity throughout this interval. No porosity sufficient to provide a reservoir bed was developed in this interval.

The St. Louis penetrated was tan to buff, fine crystalline, medium to coarsely oolitic limestone with spotted oil stain. There was a fair porosity development in the Upper St. Louis with good oil stain. A drill stem test of this interval recovered 2 feet of drilling mud. There was a good porosity development in the lower part of the interval, with spotted oil stain. A drill stem test of this interval recovered oil cut mud and saltwater.

The lower zone of porosity would provide a good reservoir bed if encountered in a favorable structural position. No other significant developments were encountered. It is recommended that this test be plugged and abandoned.

Sincerely,

Ralph M. Reynolds

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DRILL STEM TESTS

D.S.T. #1 6210 to 6240 feet
Open 30 minutes
Weak blow for 28 minutes and died
Shut in 45 minutes
Open 30 minutes, no blow
Shut in 45 minutes
Recovered 2 feet mud

Initial Preflow Pressure - 42 lbs.
Final Preflow Pressure - 42 lbs.
Initial Shut-In Pressure - (45 Min.) 88 lbs.
Initial Flow Pressure - Tool Plugged
Final Flow Pressure - Tool Plugged
Final Shut-In Pressure - (45 Min.) 51 lbs.

D.S.T. #2 6275 to 6285 feet
Open 30 minutes
Fair blow decreasing to weak blow
Shut in 45 Minutes
Open 30 minutes, weak blow throughout
Shut in 45 minutes
Recovered: 100 feet oil cut mud
30 feet oil cut middy saltwater
210 feet saltwater

Initial Preflow Pressure - 42 lbs.
Final Preflow Pressure - 88 lbs.
Initial Shut-In Pressure - (45 Min.) 1803 lbs.
Initial Flow Pressure - 124 lbs.
Final Flow Pressure - 197 lbs.
Final Shut-In Pressure - (45 Min.) 1712 lbs.
Final Hydrostatic Pressure - 2916 lbs.

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SAMPLE DESCRIPTION

Sample description from 6050 feet to total depth of 6310 feet.

- 6050-55 Maroon and gray shale; gray, fine crystalline, fossiliferous, shaly limestone.
- 6055-60 Gray shale; trace of maroon shale; trace of limestone as above; fine crystalline, sandy limestone with dark brown oil stain in tight pinpoint porosity.
- 6060-65 Tan-buff-gray, fine crystalline limestone; gray and maroon shale.
- 6065-70 Gray shale and gray limy shale; maroon shale; trace of limestone as above.
- 6070-75 Buff, fine crystalline, finely sandy, micro oolitic limestone; gray and maroon shale as above.
- 6075-80 Buff, fine crystalline, finely sandy limestone; trace of black oil stain; gray-greenish gray shale.
- 6080-85 As above; increase in black oil stain.
- 6085-90 As above; trace of tan-brown, fine crystalline limestone.
- 6090-95 Gray and green shale; limestone as above.
- 6095-6100 Gray, green and maroon shale; trace of tan, fine crystalline, finely sandy, micro oolitic limestone.
- 6100-05 Tan-buff, sub-lithographic, dense limestone; trace of shale as above.
- 6105-10 As above.
- 6110-15 As above; trace of maroon, sub-lithographic limestone.
- 6115-20 Green and gray shale; limestone as above.
- 6120-25 As above; trace of pale green-buff, very fine grained, limy sandstone.
- 6125-30 Gray-green-maroon shale; tan-buff, fine crystalline, finely sandy, micro oolitic limestone.
- 6130-35 As above.
- 6135-40 Tan-buff, fine crystalline, finely sandy, micro oolitic limestone; shale as above.
- 6140-45 As above; decrease in shale.
- 6145-50 Limestone as above; trace of gray shale.
- 6150-55 As above; trace of spotted black oil stain.
- 6155-60 Limestone as above; tan, fine crystalline, oolitic limestone with small oolites.
- 6160-65 As above; slight increase in size of oolites; scattered, dark brown-black oil stain.
- 6165-70 As above; white sandy limestone; poor porosity; fair oil stain.
- 6170-75 As above.
- 6175-80 Tan-buff, fine crystalline, finely sandy, micro oolitic limestone; spotted black oil stain.
- 6180-85 As above.
- 6185-90 " "
- 6190-95 Gray shale; tan-buff, fine crystalline, finely sandy, micro oolitic limestone.
- 6195-6200 Tan-buff, fine crystalline, finely sandy, micro oolitic limestone; trace of gray shale.

6200-05	As above.
6205-10	As above; trace of black spotted oil stain.
6210-15	Tan, fine crystalline limestone with large round and elongated oolites; trace of vuggy and inter-oolitic porosity; trace of oil stain; trace of limestone as above.
6215-20	As above; increase in oil stain.
6220-25	Limestone as above; estimated 7% to 10% porosity; good oil stain.
6225-29	Tan-buff-pale green, fine crystalline, medium oolitic, slightly fossiliferous limestone; no show.
6229	<u>30 Min. Circ.</u> As above.
	<u>60 Min. Circ.</u> " "
6229-35	Tan-buff, fine crystalline, medium oolitic limestone.
6235-40	As above.
6240	<u>30 Min. Circ.</u> As above.
	<u>60 Min. Circ.</u> " "
6240-45	Gray, green and maroon shale; limestone as above.
6245-50	As above; increase in limestone.
6250-55	Tan-buff, fine crystalline, finely sandy, micro oolitic, slightly chalky limestone; trace of gray shale.
6255-60	As above.
6260-65	" "
6265-70	As above; trace of large oolites.
6270-75	As above; trace of buff-gray chert; trace of scattered oil stain.
6275-80	Buff, fine crystalline, medium oolitic limestone; buff, fine crystalline, chalky, fossiliferous limestone; trace of scattered oil stain in fractures.
6280-85	As above; trace of buff chert; trace of tan, fine crystalline, finely sandy, micro oolitic limestone; buff, fine crystalline, coarsely oolitic limestone with fair oil stain; trace of free oil.
6285	<u>30 Min. Circ.</u> Buff, fine crystalline, oolitic, slightly fossiliferous limestone; fair to good oil stain.
	<u>60 Min. Circ.</u> As above.
6285-90	Tan-buff, fine crystalline, oolitic, fossiliferous limestone; trace of tan, fine crystalline, finely sandy, micro oolitic limestone; trace of gray shale.
6290-95	As above.
6295-6300	Buff, fine crystalline, oolitic, slightly fossiliferous, slightly chalky limestone; fair to good porosity; trace of spotted oil stain.
6300-05	As above.
6305-10	" "

T.D. 6310

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DRILLING TIME

Drilling time by 1 ft. intervals from 6050 to 6310 ft.

Interval	8	13	8	20	13	34	19	10	12	20	Minutes	
6050-60	8	13	8	20	13	34	19	10	12	20		
6060-70	18	18	24	20	22	20	23	21	20	14	"	
6070-80	18	18	16	20	16	15	29	21	19	15	"	
6080-90	16	19	20	18	24	20	33	20	35	17	"	
6090-6100	33	21	20	20	22	25	22	22	20	20	"	Trip 6090
6100-10	20	16	15	18	18	16	20	21	15	21	"	
6110-20	16	17	26	25	15	17	16	16	17	17	"	
6120-30	21	37	33	27	30	30	28	34	36	18	"	
6130-40	18	26	26	21	23	30	26	23	25	29	"	
6140-50	36	41	14	18	23	21	14	15	16	26	"	Trip 6142
6150-60	27	29	24	30	30	32	35	35	30	30	"	
6160-70	35	32	34	29	30	25	25	20	20	30	"	
6170-80	35	35	30	30	30	25	30	30	30	30	"	
6180-90	29	30	32	28	25	23	31	35	26	32	"	Trip 6190
6190-6200	20	20	20	25	28	16	21	35	25	30	"	
6200-10	32	22	30	30	26	32	28	38	40	41	"	
6210-20	46	32	24	21	19	31	29	23	20	16	"	
6220-30	17	21	22	28	39	30	28	32	31	24	"	
6230-40	27	28	28	27	26	34	23	23	25	29	"	
6240-50	8	14	20	12	23	15	21	18	20	20	"	
6250-60	23	24	28	18	17	20	20	19	12	11	"	
6260-70	21	20	22	21	15	20	23	17	18	20	"	
6270-80	22	22	21	21	15	16	18	9	5	1	"	
6280-90	3	6	4	4	3	5	5	5	3	4	"	
6290-6300	6	6	7	7	7	8	10	15	15	17	"	
6300-10	20	25	25	20	19	10	17	10	6	6	"	

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