



00416691

OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF COLORADOFile in triplicate for Patented and Federal lands.
File in quadruplicate for State lands.

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AUG 30 1971

COLORADO OIL & GAS CONSERVATION COMMISSION

Colorado 69/7211-S

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input type="checkbox"/>	Other <input type="checkbox"/>						
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other <input type="checkbox"/>				
2. NAME OF OPERATOR Midwest Oil Corporation											
3. ADDRESS OF OPERATOR 1700 Broadway, Denver, Colorado 80202											
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface C, NW, SE Section 34, T3S, R59W At top prod. interval reported below Same At total depth Same											
14. PERMIT NO.		DATE ISSUED									
71-536		7/20/71									
15. DATE SPUDDED		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (DF, REB, RT, GR, ETC.)		19. ELEV. CASINGHEAD			
7/30/71		8/5/71		8/14/71		5016 Gnd; 5023 KB		5016			
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY		23. INTERVALS DRILLED BY		24. ROTARY TOOLS			
6160		6129		---		Surface to T.D.		CABLE TOOLS			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) J-1 Sand 6017-6029 J-2 Sand 6040-6059							25. WAS DIRECTIONAL SURVEY MADE No				
26. TYPE ELECTRIC AND OTHER LOGS RUN Induction-ES, Fm Density & Gamma Ray							27. WAS WELL CORED Yes				
28. CASING RECORD (Report all strings set in well)											
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
8-5/8		24.0		363		12-1/4		300 sax Regular		none	
5-1/2		15.5 & 17.0		6159		7-7/8		200 sax 50-50 pozmix		none	
29. LINER RECORD										30. TUBING RECORD	
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT		SCREEN (MD)		SIZE	
none										DEPTH SET (MD)	
31. PERFORATION RECORD (Interval, size and number) 6040-'44 w/12-80 gm Jets 6047-'59 w/36-80 gm Jets 6017-'29 w/36-80 gm Jets										32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
										DEPTH INTERVAL (MD)	
										6040-59	
										6040-59	
										500 Gal NE 15% HCL	
										19,000# Sand frack	
33. PRODUCTION											
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)				
8/8/71		Flowing					Producing				
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.	
8/19/71		14		18/64		→		140		55.1	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE		OIL—BBL.		GAS—MCF.		WATER—BBL.	
180		520		→		240		94.5		none	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented										TEST WITNESSED BY Jack Goostree-Midwest Foreman	
35. LIST OF ATTACHMENTS Logs listed on Line 26 + Core analysis											
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records											
SIGNED		J.R. Nolan				TITLE		District Engineer		DATE	
J.R. Nolan										8/26/71	

See Spaces for Additional Data on Reverse Side

X oil

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES.

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Core No. 1	6013	6059	
Core No. 2	6063	6088	
J-1 Sand	6018	6032	Oil & Gas
J-2 Sand	6040	6064	Oil & Gas

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Formation Tops		Straight Hole
Niobrara	5109	
Fort Hays	5519	
Carlile	5562	
Greenhorn	5641	
Bentonite	5869	
D Sand	5965	
J Sand	6014	

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CORE LABORATORIES, INC.

AUG 30 1971

Petroleum Reservoir Engineering

DALLAS, TEXAS

COLO. OIL & GAS CONS. COMM.

Company MIDWEST OIL CORPORATION Formation "J" SAND Page 1 of 2
 Well NO. 2 COLORADO 34-3-59 Cores DIA. CONV. 3 1/2" File RP-2-4198
 Field PONCHO Drilling Fluid WBM Date Report 8-4-71
 County ADAMS State COLORADO Elevation 5023 KB Analysts RM; BS
 Location NW SE Sec. 34 T3S R59W Remarks CONVENTIONAL CORE ANALYSIS

CORE ANALYSIS RESULTS

(Figures in parentheses refer to footnote remarks)

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCY		POROSITY PERCENT	RESIDUAL SATURATION		PROBABLE PRODUCTION	REMARKS
		HORIZONTAL K_A	VERTICAL		OIL % VOLUME	TOTAL WATER % PORE		
1	6013-14	<0.1	<0.1	12.9	5.4	34.1	VF	Ss wh vfg cly s & p
2	6014-15	<0.1	<0.1	10.2	8.8	57.9	VF	Ss wh vfg cly carb shly
3	6015-16	<0.1	<0.1	8.0	6.3	76.2	VF	Ss wh vfg cly carb shly
4	6016-17	8.6	<0.1	9.7	5.2	71.1		Ss wh vfg cly carb shly
5	6017-18	47	41	18.5	10.3	31.3		Ss wh vfg cly s & p glauc
6	6018-19	43	20	22.7	9.7	41.0		Ss wh vfg cly s & p glauc
7	6019-20	62	70	25.5	8.2	45.9		Ss wh fn cly s & p glauc
8	6020-21	92	60	23.2	10.8	41.4		Ss wh fn cly s & p glauc
9	6021-22	227	199	19.6	12.7	33.2		Ss wh fn cly s & p glauc
10	6022-23	199	191	19.3	14.0	33.2		Ss wh fn cly s & p
11	6023-24	45	21	24.1	10.4	48.5		Ss wh fn cly s & p glauc
12	6024-25	86	81	25.9	9.7	42.1		Ss wh fn cly s & p glauc
13	6025-26	62	43	24.6	8.9	44.3		Ss wh fn cly s & p glauc
14	6026-27	7.4	4.8	19.8	5.6	48.0		Ss wh fn cly s & p glauc
15	6027-28	23	14	21.6	10.2	36.6		Ss wh fn cly s & p glauc
16	6028-29	93	1.9	20.2	4.0	58.5		Ss wh fn cly s & p glauc
17	6029-30	0.6	<0.1	17.3	4.0	51.5		Ss wh vfg cly s & p glauc
18	6030-31	0.2	0.2	16.3	1.2	65.0		Ss wh vfg cly s & p glauc
19	6031-32	<0.1	<0.1	15.7	0.6	66.3		Ss wh vfg cly s & p shly
20	6034-35	<0.1	<0.1	12.5	0.0	60.0		Ss wh vfg cly s & p
21	6035-36	0.5	<0.1	14.5	1.4	60.0		Ss wh vfg cly s & p pyritic
22	6036-37	0.2	<0.1	18.9	1.1	59.8		Ss wh fn cly s & p shly
23	6037-38	0.6	0.5	14.5	0.0	47.5		Ss wh vfg cly s & p
24	6038-39	2.1	<0.1	16.7	0.0	59.9		Ss wh vfg cly s & p
25	6039-40	1.3	0.9	16.0	8.1	36.9		Ss wh vfg cly s & p
26	6040-41	4.3	2.9	15.7	9.6	36.3		Ss wh vfg cly s & p
27	6041-42	7.2	6.9	13.6	9.6	28.0		Ss wh vfg cly s & p pyritic
28	6042-43	5.7	5.2	15.2	9.9	32.2		Ss wh vfg cly s & p
29	6043-44	3.1	3.3	12.7	11.8	29.9		Ss wh vfg cly s & p pyritic
30	6044-45	11	2.4	13.7	9.5	27.8		Ss wh vfg cly s & p
31	6045-46	0.1	<0.1	14.3	0.7	46.1		Ss wh vfg cly s & p
32	6046-47	5.0	4.3	14.8	10.1	23.6		Ss wh vfg cly s & p
33	6047-48	11	6.4	16.8	11.3	33.3		Ss wh vfg cly s & p
34	6048-49	11	11	15.9	10.7	30.2	VF	Ss wh vfg cly s & p
35	6049-50	14	14	15.4	11.0	29.9		Ss wh vfg cly s & p
36	6050-51	8.1	6.4	19.3	11.9	27.5		Ss wh vfg cly s & p
37	6051-52	2.6	2.4	14.4	9.0	29.2		Ss wh vfg cly s & p
38	6052-53	12	5.7	16.7	11.4	30.0		Ss wh vfg cly s & p carb lam
39	6053-54	1.9	1.3	14.1	8.5	35.4		Ss wh vfg cly s & p
40	6054-55	14	9.3	15.1	11.3	29.1		Ss wh vfg cly s & p

NOTE:

(*) REFER TO ATTACHED LETTER.

(1) INCOMPLETE CORE RECOVERY—INTERPRETATION RESERVED.

(2) OFF LOCATION ANALYSES—NO INTERPRETATION OF RESULTS

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees assume no responsibility and make no warranty or representations as to the productivity, proper operation, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

Company MIDWEST OIL CORPORATION Formation "J" SAND Page 2 of 2
 Well NO. 2 COLORADO 34-3-59 Cores DIA. CONV. 3½" File RP-2-4198
 Field PONCHO Drilling Fluid WBM Date Report 8-4-71
 County ADAMS State COLORADO Elevation 5023 KB Analysts RM; BS
 Location NW SE Sec. 34 T3S R59W Remarks CONVENTIONAL CORE ANALYSIS

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(Figures in parentheses refer to footnote remarks)

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCY		POROSITY PERCENT	RESIDUAL SATURATION		PROBABLE PRODUCTION	REMARKS
		HORIZONTAL	VERTICAL		OIL % VOLUME	TOTAL WATER % PORE		
41	6055-56	17	16	15.5	11.0	28.4		Ss wh vfg cly s & p
42	6056-57	35	30	18.3	10.4	33.3		Ss wh vfg cly s & p
43	6057-58	31	27	17.6	10.8	35.2		Ss wh vfg cly s & p
44	6058-59	19	15	17.5	10.9	33.1		Ss wh vfg cly s & p
45	6063-64	<0.1	<0.1	5.4	0.0	70.4		Ss wh vfg cly s & p
46	6064-65	<0.1	<0.1	14.3	0.0	81.8		Ss wh vfg cly slty shly
47	6068-69	<0.1	<0.1	16.5	0.6	89.7		Ss wh fn v/cly
48	6069-70	0.1	<0.1	18.4	0.5	80.5		Ss wh fn v/cly
49	6070-71	0.2	0.1	21.0	0.0	82.4	VF	Ss wh vfg v/cly
50	6071-72	0.4	0.2	25.8	0.0	81.4		Ss wh vfg v/cly
51	6072-73	0.2	0.1	22.7	0.0	79.4		Ss wh vfg v/cly
52	6073-74	<0.1	<0.1	20.9	0.5	73.2		Ss wh vfg v/cly
53	6074-75	<0.1	<0.1	17.7	0.0	76.8		Ss wh vfg v/cly
54	6075-76	<0.1	<0.1	22.1	0.0	77.4		Ss wh vfg v/cly

NOTE:

SERVICE NO. 5-A, 1-B. VF = VERTICAL FRACTURE.

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CORE LABORATORIES, INC.



Petroleum Reservoir Engineering

COMPANY MIDWEST OIL CORPORATION FIELD PONCHO FILE RP-2-4198

WELL NO. 2 COLORADO 34-3-59 COUNTY ADAMS DATE 8-4-71

LOCATION NW SE Sec. 34 T3S R59W STATE COLORADO ELEV. 5023 KB

CORE-GAMMA CORRELATION

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VERTICAL SCALE: 5" = 100'

CORE-GAMMA SURFACE LOG
(PATENT APPLIED FOR)

GAMMA RAY

RADIATION INCREASE →

COREGRAPH

TOTAL WATER ———

PERCENT TOTAL WATER

80 60 40 20 0

PERMEABILITY ———

MILLIDARCY

100 50 10 5 1

POROSITY ———

PERCENT

OIL SATURATION ———

PERCENT PORE SPACE

0 20 40 60 80

