

ORIGINAL

SIDE ONE

CONFIDENTIAL RELEASED
AUG 21 1991

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5393

Name: A. L. Abercrombie, Inc.

Address 150 N. Main, Suite 801

City/State/Zip Wichita, KS 67202

Purchaser: Koch Oil Company

Operator Contact Person: Jack K. Wharton

Phone (316) 262-1841

Contractor: Name: Abercrombie Drilling, Inc.

License: 5422

Wellsite Geologist: Bob McCann

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover
☒ Oil ☐ SWD ☐ Temp. Abd.
☐ Gas ☐ Inj ☐ Delayed Comp.
☐ Dry ☐ Other (Core, Water Supply, etc.)

JUL 25 1990

OMMO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable

5-1-90 5-18-90 6-29-90

Spud Date Date Reached TD Completion Date

API NO. 15- 203-20,090

County Wichita FROM CONFIDENTIAL

SW SE Sec. 35 Twp. 20S Rge. 35 x East West

660 Ft. North from Southeast Corner of Section

1980 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

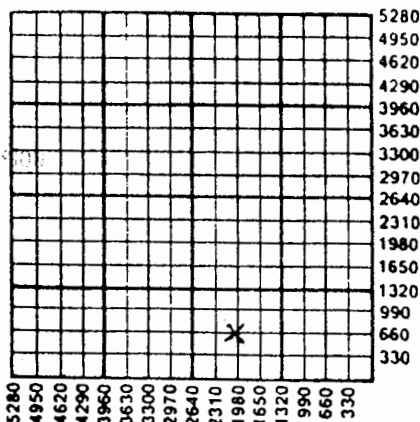
Lease Name Moody Well # 1

Field Name Unknown

Producing Formation Marmaton

Elevation: Ground 3155 KB 3160

Total Depth 5070 PBDT 4515



Amount of Surface Pipe Set and Cemented at 216.50 Feet

Multiple Stage Cementing Collar Used? ☒ Yes ☐ No

If yes, show depth set 1436 Feet

If Alternate II completion, cement circulated from 1436

feet depth to Surface w/ 400 sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

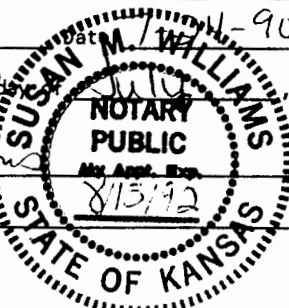
Signature Jack K. Wharton

Title Vice President

Subscribed and sworn to before me this 24th day of July, 19 90.

tary Public Susan M. Williams

Date Commission Expires 8/15/92



K.C.C. OFFICE USE ONLY
F ☒ Letter of Confidentiality Attached
C ☒ Wireline Log Received
C ☐ Drillers Timelog Received

Distribution
☒ KCC ☐ SWD/Rep ☒ NGPA
☒ KGS ☐ Plug ☐ Other (Specify)

SIDE TWO

Operator Name A. L. Abercrombie, Inc. Lease Name Moody Well # 1
 Sec. 35 Twp. 20S Rge. 35 ☐ East ☒ West
 County Wichita

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

RELEASED

Drill Stem Tests Taken ☒ Yes ☐ No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey ☒ Yes ☐ No
 Cores Taken ☐ Yes ☒ No
 Electric Log Run ☒ Yes ☐ No
 (Submit Copy.)

DST #1 (2689'-2738')
 30-45-60-45, Rec. 20' mud
 IFP 20-20 ISIP 69
 FFP 20-20 FSIP 49

Formation Description

AUG 21 1991

☒ Log☐ Sample

FROM CONFIDENTIAL

Name	Top	Bottom
B/Anhydrite	2256'	(+ 904')
Herrington	2682'	(+ 478')
Krider	2720'	(+ 440')
Heebner	3944'	(- 784')
Toronto	3966'	(- 306')
Lansing	3994'	(- 834')
Stark Sh.	4313'	(-1937')
B/KC	4460'	(-1300')
Marmaton	4488'	(-1328')
Beymer Zone	4579'	(-1419')

cont. on Page 3

CASING RECORD

☐ New ☐ Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/2	8 5/8	28#	216.50	60/40 pozmix	150	2% gel, 3% cc
Production	7 7/8	5 1/2	15 1/2#, 14 1/2#	4911.5	Common	250	W/D 29
					50/50 pozmix	60	6# Gil/sx:3/4 of
D.V. Tool				1436	65/35 pozmix	400	6% gel CFR-2

PERFORATION RECORD

Shots Per Foot Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth

1	4527, 4532, 4537	750 gal 15% INS	4844
		3000 gal 15% INS	4844
	squeezed above perfs set BCIBP @	4515	
2	4490 to 4500	500 gal 15% INS	4515

TUBING RECORD

Size Set At Packer At

Liner Run

☐ Yes ☐ No

Date of First Production 7-2-90 Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	90.26				

Disposition of Gas:

☐ Vented ☐ Sold ☐ Used on Lease
 (If vented, submit ACO-18.)

METHOD OF COMPLETION

☐ Open Hole ☒ Perforation ☐ Dually Completed ☐ Commingled
☐ Other (Specify) _____

Production Interval

4490-4500

COPY

DST #2

4416 to 4435 (Lower Lansing Zone)

30-45-60-60

Strong blow decreasing to fair

Rec. 2567' Fluid

62' muddy oil, (5% gas, 25% oil, 25% water, 45% mud)

186' HOC wtry mud (20% oil, 25% wtr, 55% mud)

124' HO & MC wtr. (20% oil, 60% wtr, 20% mud)

745' SOC wtr, (2% oil, 98% wtr)

1450' water est 25° oil

IFP 578 to 1067 ISIP 1137

FFP 1126 to 1149 FSIP 1149

DST #3 (4456'-4522') Upper Marmaton

30-45-60-60, Rec. 360' gip, 445' cgo and 186'

gocm (30% gas, 10% oil, 60% mud), gravity 30°

IFP 35-106 ISIP 1184

FFP 153-235 FSIP 1172

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CONSERVATION DIVISION
Topeka, Kansas

DST #4 (4522'-4560') Marmaton Altamont zone

30-45-60-45, Rec. 1400' gip, 415' cgo, 115'

socm (20% gas, 20% oil, 60% mud)

IFP 23-58 ISIP 830

FFP 94-141 FSIP 770

DST #5 (4578'-4600') Marmaton Beymer

30-45-30-45 zone-Pawnee

Weak blow 30" and died, flushed

tool, weak blow 10" and died. Rec. 30' vsocm

and 52' mud

IFP 11-11 ISIP 1102

FFP 47-47 FSIP 1009

DST #6 (4703'-4755') Cherokee lime

30-30-30-30, Weak blow, died in 17 min., Rec.

50' mud w/scum of oil.

IFP 11-11 IBHP 70

FFP 23-23 FBHP 47

DST #7 (4779'-4810')

30-30-30-30

Weak blow 9", Rec. 15' mud

IFP 31-31 IBHP 659

FFP 31-31 FBHP 579

MOODY #1

Page 3

COPY

DST #8 (4830'-4930')

30-45-60-45, Rec. 465' mud, 125' wtry mud,

992' salt water

IFP 104-539 ISIP 1050

FFP 634-819 FSIP 1020

LOG TOPS CONTINUED

Johnson Zone	4608' (-1448')
Ft. Scott	4624' (-1464')
Cherokee Sh.	4660' (-1500')
Morrow Sh.	4840' (-1680')
'orrow Sand	4906' (-1746')
Miss (St. Gen.)	4916' (-1756')
TD (Log)	5070' (-1910')

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JUL 14 1999