SIDE ONE

24-9-18W

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: license # 8925
name Liberty Operations & Completions, Inc.
address 308 West Mill
City/State/Zip Plainville, Kansas 67663

Operator Contact Person Charles G. Comeau
Phone 913-434-4686

Contractor: license # 5665
name Pioneer Drilling Company, Inc.

Wellsite Geologist Kelly C. Stewart
Phone 913-628-2838
Purchaser Koch Oil Company

Designate Type of Completion
☒ New Well ☐ Re-Entry ☐ Workover

☒ Oil ☐ SWD ☐ Temp Abd
☐ Gas ☐ Inj ☐ Delayed Comp.
☐ ☐ Other (Core, Water Supply etc.)

If OWWO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

API NO. 15 - 163-22,390

County Rooks

SE SE NE (location) Sec. 24 Twp. 7S Rge. 18 ☐ East ☒ West

2970 Ft North from Southeast Corner of Section
330 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

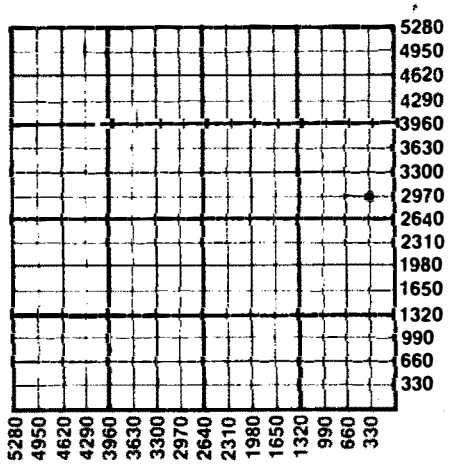
Lease Name MWM Well# L-6

Field Name

Producing Formation Arbuckle, open hole

Elevation: Ground 1772' KB 1777'

Section Plat



WELL HISTORY

Drilling Method: ☒ Mud Rotary ☐ Air Rotary ☐ Cable

5-24-84	5-30-84	6-27-84
Spud Date	Date Reached TD	Completion Date

3271'	3271'
Total Depth	PBTD

Amount of Surface Pipe Set and Cemented at 13 3/8"@ 84' 8 5/8"@1206' feet

Multiple Stage Cementing Collar Used? ☐ Yes ☒ No

If Yes, Show Depth Set feet

If alternate 2 completion, cement circulated
from feet depth to w/ SX cmt

WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit # NA

☒ Groundwater Ft North From Southeast Corner and
(Well) Ft. West From Southeast Corner of
Sec Twp Rge ☐ East ☐ West

☐ Surface Water Ft North From Sourtheast Corner and
(Stream, Pond etc.) Ft West From Southeast Corner
Sec Twp Rge ☐ East ☐ West

☐ Other (explain) City, Stockton, Kansas
(purchased from city, R.W.D.#)

Disposition of Produced Water: ☒ Disposal ☐ Repressuring

Docket # CD-38323

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rules 82-3-130 and 82-3-107 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.

JUL 26 1984

One copy of all wireline logs and drillers time log shall be attached with this form. Submit CP-4 form with all plugged wells. Submit CP-111 form with

(W81-P-4)

SIDE TWO

Operator Name Liberty Operations & Completions, Inc. Lease Name MWM Well# L-6 SEC 24 TWP 7S RGE 18 ☐ East ☒ West

WELL LOG

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.

Drill Stem Tests Taken	☐ Yes	☒ No
Samples Sent to Geological Survey	☐ Yes	☒ No
Cores Taken	☐ Yes	☒ No

TOPS

ANHYDRITE	1193	(+584)
TOPEKA	2705	(-928)
HEEBNER	2914	(-1137)
TORONTO	2940	(-1163)
LANSING/KC	2957	(-1180)
BASE/KC	3180	(-1403)
MARMATON	3185	(-1408)
ARBUCKLE	3256	(-1479)

Formation Description ☐ Log ☐ Sample

Name	Top	Bottom
shale and sands	0'	85'
sand and shale	85'	331'
shale and sand	331'	931'
shale	931'	1195'
anhydrite	1195'	1201'
anhydrite	1201'	1207'
shale	1207'	1226'
shale	1226'	1549'
shale and lime	1549'	1709'
shale and lime	1709'	1974'
shale and lime	1974'	2213'
shale and lime	2213'	2425'
lime and shale	2425'	25[illegible]'
lime and shale	2595'	27[illegible]
lime and shale	2761'	2895'
lime and shale	2895'	3015'
lime and shale	3015'	3103'
lime and shale	3103'	3220'
lime and shale	3220'	3271'
	3271'	R.T.D.

TUBING RECORD size 2 7/8" set at 3269' packer at NA — Liner Run ☐ Yes ☒ No

Date of First Production	Producing method				
6-27-84	☐ flowing	☒ pumping	☐ gas lift	☐ Other (explain)	

	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production Per 24 Hours	50 Bbls	MCF	0 Bbls	CFPB	

Disposition of gas: ☐ vented ☐ sold

METHOD OF COMPLETION ☒ open hole ☐ perforation ☐ other (specify)

PRODUCTION INTERVAL 3265-3271 open hole

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
Conductor String	17 1/4"	13 3/8"	54.5#	84'	common	90	3%cc 2%gel
Surface String	12 1/4"	8 5/8"	24#	1206'	60-40 pos	325	3%cc 2%gel
					common	75	Quick Set
Production	7 7/8"	5 1/2"	14#	3263'	common	150	

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth
NA	NA	250 gal. 15% mud acid	3265-3271

FILE COPY

KS

WRS COMPLETION REPORT

PI# 15-T-0008 08/08/84 SEC 24 TWP 7S RGE 18W PAGE 1

STATE	COUNTY	FOOTAGE	WELL CLASS INIT.	WELL CLASS FIN.
KANS	ROOKS	* 235 FSL 330 FEL SE SE NE	D	DO

OPERATOR: LIBERTY OPERATING

WELL NO.: L-6 LEASE NAME: MWM

OPER ELEV: 1777KB 1772GR FIELD/POOL/AREA: RIFFE

API 15-163-22390-0000

SPUD DATE	COMP.DATE	TYPE TOOL	LEASE TYPE/NO.	PERMIT OR WELL I.D. NO.	STATUS
05/24/1984	06/27/1984	ROTARY			OIL

PROJ. DEPTH: 3400 PROJ. FORM: ARBUCKLE CONTRACTOR: PIONEER DRLG

DRILLERS T.D.: DTD 3271 LOG T.D.: PLUG BACK T.D.: OLD T.D.: FORM/T.D.: FM/TD ARBUCKLE

LOCATION DESCRIPTION

FTG MEASURED FROM NE/4
S EDGE OF STOCKTON TOWNSITE, KS

WELL IDENTIFICATION/CHANGES

WHCS CODE # 15S007W01824840584

CASING/LINER DATA

CSG	13 3/8	@	84	W/	90	SACKS	01
CSG	8 5/8	@	1206	W/	400	SACKS	02
CSG	5 1/2	@	3263	W/	150	SACKS	03

INITIAL POTENTIAL

IPP 50BOPD
ARBUCKLE OPENHOLE ~~3263~~ 3265 3271 004
ACID 15% ~~3263~~ 3265 3271 250GALS

TYPE	FORMATION	DEPTH	SUBSEA	FORMATION	DEPTH	SUBSEA
LOG	STN CORL	1193	584	TOPEKA	2705	-928
LOG	HEEBNER	2914	-1137	TORONTO	2940	-1163
LOG	LANSING	2957	-1180	MARMATON	3185	-1408
LOG	ARBUCKLE	3256	-1479			
LOG	BKANSAS C	3180	-1403			

MISCELLANEOUS

GEOL STEWART,KELLY

CONTINUED

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LIBERTY OPERATING
L-6 MWM

DRILLING PROGRESS DETAILS

LIBERTY OPERATING
308 W MILL
PLAINVILLE, KS 67663
913-434-4686
05/23 LOC/1984/
08/01 RAN LOGS (NO DETAILS)
TD REACHED 05/30/84
3271 TD
COMP 6/27/84, IPP 50 BOPD
PROD ZONE - ARBUCKLE/SILICEOUS/3263-3271
(OPENHOLE)
NO CORES OR DSTS RPTD