KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

COPY

Operator: License # 30451
Name: KanMap, a Kansas Corporation
Address: 2003 W. Maple
City/State/Zip: Independence, Kansas 67301
Purchaser: Cherokee Methane Corporation
Operator Contact Person: Mike McKenzie
Phone: (620) 331-3140
Contractor: Name: Thornton Drilling Co.
License: 4815
Wellsite Geologist: None

Designate Type of Completion:
✓ New Well ___ Re-Entry ___ Workover
___ Oil ___ SWD ___ SIOW ___ Temp. Abd.
✓ Gas ___ ENHR ___ SIGW
___ Dry ___ Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:
Operator:
Well Name:
Original Comp. Date: ___ Original Total Depth: ___
___ Deepening ___ Re-perf. ___ Conv. to Enhr./SWD
___ Plug Back ___ Plug Back Total Depth
___ Commingled Docket No.
___ Dual Completion Docket No.
___ Other (SWD or Enhr.?) Docket No.

2-20-03	2-22-03	4-15-03
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-30231-00-00
County: Montgomery
___ - NW - SW - NW Sec. 13 Twp. 33 S. R. 16 ✓ East ☐ West
3,630 feet from S / N (circle one) Line of Section
4,950 feet from E / W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Massey Well #: 5A-13
Field Name: Coffeyville-Cherryville
Producing Formation: Weir Coal, Riverton Coal
Elevation: Ground: 810' Kelly Bushing:
Total Depth: 1091' Plug Back Total Depth: 1089'
Amount of Surface Pipe Set and Cemented at 21.75 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ✓ No
If yes, show depth set ___ Feet
If Alternate II completion, cement circulated from Surface
feet depth to 1089' w/ 150 sx cmt.

Drilling Fluid Management Plan Alt II WM 7-30-03
(Data must be collected from the Reserve Pit)
Chloride content ___ ppm Fluid volume ___ bbls
Dewatering method used
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License No.:
Quarter ___ Sec. ___ Twp. ___ S. R. ___ ☐ East ☐ West
County: Docket No.:

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CONSERVATION DIVISION
WICHITA, KS

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of 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 geologist well report 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.

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:
Title: Property Manager Date: 7-23-03
Subscribed and sworn to before me this 23rd day of July, 20 03.
Notary Public: Daleen J. Steele
Date Commission Expires: 12-3-2004

DALEEN J. STEELE
NOTARY PUBLIC
My Appt. Exp. 12-3-2004

KCC Office Use ONLY
✓ Letter of Confidentiality Attached
If Denied, Yes ☐ Date:
✓ Wireline Log Received
✓ Geologist Report Received
___ UIC Distribution

Operator Name: KanMap, a Kansas Corporation Lease Name: Massey Well #: 5A-13

Sec. 13 Twp. 33 S. R. 16 ☑ East ☐ West County: Montgomery

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems 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 test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

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)

List All E. Logs Run:

Dual Induction Log, Dual Compensated Porosity Log, Sonic Cement Bond Log

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Fort Scott Ls	528	+282
Mulky	602	+208
Weir Coal	803	+7
Riverton Coal	1022	-212
Mississippian Ls	1042	-232

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	# Sacjs Used	Type and Percent Additives
Surface	12 3/4	8 5/8	23.0 #	21.75'	Portland	4 sx	
Production	6 7/8	4 1/2	10.5 #	1089'	40/60 Poz	150 sx	5% Gil., 5% Salt, 2% Gel, .2%/Flow Seal

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives

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Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4 SPF	803.5-808.5'	100 gals 15% HCL, 410 bbls water, 8,700# 20-40 sand	
4 SPF	1021-1025'	100 gals 15% HCL, 550 bbls water, 7,520# 20-40 sand	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8			☐ Yes ☑ No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
4-15-03	☐ Flowing ☑ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	38	20		

Disposition of Gas: ☐ Vented ☑ Sold ☐ Used on Lease (If vented, Submit ACO-18.)

METHOD OF COMPLETION: ☐ Open Hole ☑ Perf. ☐ Dually Comp. ☑ Commingled ☐ Other (Specify)

Production Interval: Weir Coal, Riverton Coal