

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

Operator: License # 30451Name: KanMap, Inc.Address 2101 W. MapleIndependenceCity/State/Zip Kansas 67301Purchaser: Cherokee Methane Corp.Operator Contact Person: Vance K. CainPhone (316) 331-3140Contractor: Name: MOKAT DrillingLicense: 05831Wellsite Geologist: Vance K. Cain

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover☐ Oil ☐ SVD ☐ 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: _____

Comp. Date _____ Old Total Depth _____

☐ Deepening ☐ Re-perf. ☐ Conv. to Inj/SVD☐ Plug Back ☐ PSTD☐ Commingled ☐ Docket No. _____☐ Dual Completion ☐ Docket No. _____☐ Other (SVD or Inj?) ☐ Docket No. _____10-21-96 10-23-96 2-26-97

Spud Date Date Reached TD Completion Date

API NO. 15- 125-29,916County Montgomery- NE -SE -NE Sec. 20 Twp. 33S Rge. 16E3630 Feet from S (circle one) Line of Section330 Feet from E (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE NW or SW (circle one)Lease Name Barta Well # 8-20Field Name Jefferson-SycamoreProducing Formation Mulky-Riverton CoalsElevation: Ground 792' KB _____Total Depth 1164' PSTD 1155'Amount of Surface Pipe Set and Cemented at 20 FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 1155'feet depth to Surface w/ 145 ex cmtDrilling Fluid Management Plan ALT 2 8-7-10-97
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid Volume _____ bbl

Deaerating method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name _____

Lease Name _____ License No. _____

Quarter Sec. Twp. S Rng. E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, 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 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 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 Vance K. CainTitle President Date 2-26-97Subscribed and sworn to before me this 26TH day of February, 19 97.Notary Public Karen S. Marshall KAREN S. MARSHALL

Notary Public

Date Commission Expires 4-30-1999 State of Kansas

K.C.C. OFFICE USE ONLY

F ☒ Letter of Confidentiality Attached
C ☒ Wireline Log Received
C ☐ Geologist Report Received

Distribution

☒ KCC ☐ SVD/Rep ☒ NGPA
☐ KGS ☐ Plug ☒ Other (Specify) 12

COPY

Operator Name KanMap, Inc. Lease Name Barta Well # 23919
 County Montgomery
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 if more space is needed. Attach copy of log.

☐ Yes ☒ No
 Drill Stem Tests Taken
 (Attach Additional Sheets.)

☐ Yes ☒ No
 Samples Sent to Geological Survey

☐ Yes ☒ No
 Cores Taken

☒ Yes ☐ No
 Electric Log Run
 (Submit Copy.)

List All E.Logs Run: Dual Compensated Porosity
 Dual Induction
 Sonic Cement Bond

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

Name	Top	Datum
Altamont Ls	353	+439
Weiser Ss	410	+382
Pawnee Ls	522	+270
Peru Ss	570	+222
Ft Scott Ls	630	+162
Mulky Coal	695	+97
Riverton Coal	1123	-331
Mississippi Ls	1136	-344

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	11"	8.625"		20'	Portland	6	None
Production	6.750"	4.500"	9.5	1155'	50/50 Poz	145	2% Gel 15sx FloSeal 15sx Gilson

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

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	1123-1127	Frac w/245 sx 20/40 sand and 480 bbl city water
4	696-702	Frac w/110 sx 20/40 sand and 300 bbl city water

TUBING RECORD Size 2.375" Set At 1140' Packer At Liner Run ☐ Yes ☒ No

Date of First, Resumed Production, SWD or Inj. 2-28-96 Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		5	40		

Disposition of Gas: ☐ Vented ☒ Sold ☐ Used on Lease (If vented, submit ACO-18.) METHOD OF COMPLETION ☐ Open Hole ☒ Perf. ☐ Dually Comp. ☒ Conmingled ☐ Other (Specify)

Production Interval 696-702 1123'-1127'