

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

COPY

Operator: License # 30451Name: KanMap, Inc.Address 2101 W. MapleIndependenceCity/State/Zip Independence, KS 67301Purchaser: Cherokee Methane Corp.Operator Contact Person: Vance K. CainPhone (316) 331-3140Contractor: Name: MOKAT DrillingLicense: 5831Wellsite Geologist: Vance K. Cain

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover☐ Oil ☐ SWD ☐ SIOW ☐ Temp. Abd.☒ Gas ☐ ENHR ☐ SIGW☐ Dry ☐ Other (Core, WSV, 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/SWD☐ Plug Back ☐ PBTD☐ Commingled ☐ Docket No. _____☐ Dual Completion ☐ Docket No. _____☐ Other (SWD or Inj?) Docket No. _____Spud Date 3-8-97 Date Reached TD 3-12-97 Completion Date 4-4-97API NO. 15- 15-125-29, 917County Montgomery-SE -NE -SE Sec. 20 Twp. 33S Rge. 16E1650 Feet from (S)W (circle one) Line of Section330 Feet from (E)W (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, (SE) NW or SW (circle one)Lease Name Jones Well # 9-20Field Name Jefferson-SycamoreProducing Formation Weir-Riverton CoalsElevation: Ground 750 KB _____Total Depth 1115 PBTD 1115Amount of Surface Pipe Set and Cemented at 40 FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 1115feet depth to surface w/ 145 sx cmtDrilling Fluid Management Plan ALT 2 JH 10-23-97
(Data must be collected from the Reserve Pit)

Chloride content _____ ppm Fluid volume _____ bbl

Dewatering method used Air Dried

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 9-2-97Subscribed and sworn to before me this 2nd day of September 19 97.Notary Public Mary Jo Wallis MARY JO WALLISDate Commission Expires Aug. 30, 2001 Notary Public

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/Rap ☐ NGPA
☐ KGS ☐ Plug ☒ Other (Specify)

Operator Name KanMap, Inc. Lease Name Jones Well # 2-5123 9-20
☒ East County Montgomery
Sec. 20 Twp. 33S Rge. 16E ☐ West

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 sheets if more space is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.)	☐ Yes ☒ No	☒ Log Formation (Top), Depth and Datum	☐ Sample
Samples Sent to Geological Survey	☐ Yes ☒ No	Name	Top Datum
Cores Taken	☐ Yes ☒ No	Pawnee Ls	476 +274
Electric Log Run (Submit Copy.)	☒ Yes ☐ No	Ft Scott Ls	578 +172
		Weir Coal	842 -92
		Riverton Coal	1067 -317
		Mississippi Ls	1080 -330

List All E.Logs Run:

Dual Induction Log
Dual Compensated Porosity
Sonic Cement Bond

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"	8.625	23	40	Port A	8	None
Production	6.750	4.5	10.5	1115	50/50 Poz	145	7sx Gilson 1sx FloSeal 1sx Gel

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing				
☐ Plug Back TD				
☐ 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	845-849	40 G1 15% Hcl, Frac 50sx 12/20, wtr
4	1069.5-1072.5	50 G1 15% Hcl, Frac 50sx 20/40, wtr 30sx 12/20, wtr

TUBING RECORD	Size 2.375	Set At 1100	Packer At None	Liner Run ☐ Yes ☒ No
Date of First, Resumed Production, SWD or Inj. 7-15-97	Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Hcf 20	Water Bbls. 40	Gas-Oil Ratio Gravity

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

845'-849'
1069.5'-1072.5'