

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

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ORIGINAL

Operator: License # 32219
Name: Production Maintenance Service
Address: 3922 CR 1250 (RR #1 Box 227)
City/State/Zip: Coffeyville, KS 67337
Purchaser: Cherokee Methane
Operator Contact Person: Mike McClenning
Phone: (620) 988-0042
Contractor: Name: MOKAT Drilling
License: 5831
Wellsite Geologist: none

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Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc.)
If Workover/Re-entry: Old Well Info as follows:

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Operator: _____
Well Name: _____

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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. _____

<u>10/31/03</u>	<u>11/3/03</u>	<u>11/5/03</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 125-30403-00-00
County: Montgomery
 - - N/2 SE/4 Sec. 29 Twp. 33 S. R. 16 East West
1820 feet from (S) N (circle one) Line of Section
2310 feet from (E) W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: Buchanan Well #: 1
Field Name: Cherokee Basin CBM
Producing Formation: Coal
Elevation: Ground: 800 Kelly Bushing: _____
Total Depth: 1203 Plug Back Total Depth: na
Amount of Surface Pipe Set and Cemented at 69'6" Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1185
feet depth to 0 w/ 150 class A _____ sx cmt.

Drilling Fluid Management Plan *ACT II W/HR*
(Data must be collected from the Reserve Pit) *2-12-07*
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.: _____

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: Pamela J. McClenning
Title: owner Date: 2/10/04
Subscribed and sworn to before me this 10th day of February,
20 04.
Notary Public: Donna R. Johnson
Date Commission Expires: 10-07-05

KCC Office Use ONLY

Letter of Confidentiality Attached
If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

DONNA R. JOHNSON
Notary Public - State of Kansas
My Appt. Expires 10-07-05

✓

X

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Side Two

ORIGINAL

Operator Name: Production Maintenance Service Lease Name: Buchanan Well #: 1
Sec. 29 Twp. 33 S. R. 16 [x] 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 [x] Yes [] No (Attach Additional Sheets)

Samples Sent to Geological Survey [] Yes [x] No

Cores Taken [] Yes [x] No

Electric Log Run [x] Yes [] No (Submit Copy)

List All E. Logs Run:

Density Neutron Log, Compensated Density Log

[x] Log Formation (Top), Depth and Datum [] Sample

Name Top Datum
Wayside 310' 490'
Osage Limestone 620' 180'
Bartlesville 890' -90'
Mississippi 1143' -343

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CASING RECORD [x] New [] Used

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

Table with 8 columns: 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. Rows include Surface pipe and Production.

ADDITIONAL CEMENTING / SQUEEZE RECORD

Table with 5 columns: Purpose, Depth Top Bottom, Type of Cement, #Sacks Used, Type and Percent Additives. Includes checkboxes for Perforate, Protect Casing, Plug Back TD, Plug Off Zone.

Table with 4 columns: 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. Includes rows for acidized w/200 gal 15%HCL and hydraulic fracture w/512 bbl H2O.

TUBING RECORD Size 2 3/8 8RD EUE Set At 711 Packer At Liner Run [] Yes [] No

Date of First, Resumerd Production, SWD or Enhr. 11/15/03 Producing Method [] Flowing [x] Pumping [] Gas Lift [] Other (Explain)

Estimated Production Per 24 Hours Oil Bbls. 25 Gas Mcf 47 Water Bbls. Gas-Oil Ratio Gravity

Disposition of Gas METHOD OF COMPLETION Production Interval

[] Vented [x] Sold [] Used on Lease [] Open Hole [x] Perf. [] Dually Comp. [] Commingled [] Other (Specify)



Operator	PRODUCTION MAINTENANCE	Well No.	#1	Lease	BUCHANAN	Loc.	14	14	14	Sec.	29	Twp.	33	Rge.	16
		County	MONTGOMERY	State	KS	Type/Well		Depth	1203'	Hours		Date Started	10/31/03	Date Complete	11/03/03

Job No.	Casing Used	Bit Record						Coring Record							
		Bit No.	Type	size	From	To	Bit No.	type	Size	From	To	% Rec.			
	69' 6" OF 8 5/8"			6 3/4"											
Driller	Cement Used														
Driller	Rig No.														
Driller	Hammer No.														

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Formation Record

From	To	Formation	From	To	Formation	From	To	Formation	From	To	Formation
0	4	DIRT	373	378	BLK SHALE	736	737	LIME	1087	1088	COAL
4	6	CLAY	378	385	SHALE	737	739	SHALE	1088	1120	SHALE
6	33	SAND	385	390	LIME	739	742	COAL	1120	1128	LIMEY SHALE
33	38	SANDY SHALE	390	393	SHALE	742	751	SHALE	1128	1134	SHALE
38	39	LIME	393	419	SANDY SHALE	751	752	COAL	1134	1136	COAL
39	52	SHALE	419	427	SAND (DAMP)	752	779	BLK SHALE	1136	1143	SHALE
52	54	LIME	427	514	SANDY SHALE	779	780	LIME	1143	1155	LIME MISS.
54	75	SHALE	514	515	LIME	780	785	SANDY SHALE	1150		GAS TEST (3# 3/4")
75	105	LIME	515	518	SHALE	785	787	BLK SHALE	1155	1203	GRAY LIME
105	138	LIMEY SHALE	518	537	LIME (DAMP)	787	788	COAL			
138	150	LIME	537	539	BLK SHALE	788	837	SHALE			T.D. 1203'
150	152	BLK SHALE	523	525	OIL ODOR	837	838	COAL (TEBO)			
152	171	SHALE	539	541	COAL	838	861	SHALE			
171	173	LIME	541	546	SAND	861	863	COAL (WEIR)			
173	255	SHALE	546	620	SANDY SHALE	863	868	SHALE			
255	266	BLK SHALE	620	630	LIME (OSWEGO)	864		HAND CHECK (FLOW)			
266	267	LIME	630	632	BLK SHALE	868	886	SANDY SHALE			
267	270	SHALE	632	652	LIME	886	890	BLK SHALE			
270	272	BLK SHALE	652	661	BLK SHALE (SUMMIT)	890	928	SAND			
272	276	LIMEY SHALE	661	685	LIME	915		GAS TEST (11.5# 1/2")			
276	297	SHALE	664		HAND CHECK (NO GAS)	928	929	BLK SHALE, COAL?			
297	300	BLK SHALE	685	692	BLK SHALE (MULKY)	929	965	SHALE			
300	303	SHALE	689		HAND CHECK (LITTLE GAS)	965	988	SANDY SHALE			
303	305	LIME	692	706	LIME	988	1010	SAND (WET)			
305	307	SHALE	706	714	BLK SHALE	1000		WENT TO WATER			
307	310	LIME	714	715	LIME	1010	1059	SHALE			
310	318	SANDY SHALE	715	726	SHALE	1059	1062	BLK SHALE			
318	328	SAND (OIL ODOR)	726	728	COAL	1062	1063	SAND			
328	340	SANDY SHALE	728	732	SHALE	1063	1071	SHALE			
340	363	SHALE	732	733	LIME	1071	1073	COAL			
363	373	LIME	733	736	SHALE	1073	1087	SHALE			

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OIL WELL
SERVICES
AN INFINITY COMPANY

211 W. 14TH STREET, CHANUTE, KS 66720
620-431-9210 OR 800-467-8676

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ORIGINAL

TICKET NUMBER 23410

LOCATION B'ville

FIELD TICKET

DATE 11-5-03	CUSTOMER ACCT # 6236	WELL NAME Buchanan #1	QTR/QTR	SECTION 29	TWP 33	RGE 16	COUNTY MG	FORMATION
CHARGE TO Production Maintenance				OWNER KCC				
MAILING ADDRESS				OPERATOR FEB 10 2004				
CITY & STATE				CONTRACTOR				

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ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	UNIT PRICE	TOTAL AMOUNT
5401	1	PUMP CHARGE		525.00
5402	1185'	LONGS TRING FOOTAGE		165.90
1118	5 SX	GEL	*	59.00
1107	2 SX	FLO SOL	*	75.50
1105	2 SX	HALLS	*	25.90
4404	1 ec.	4 1/2 Rubber plug	*	27.00
1123	5000 GAL	CITY H2O	*	56.25
5407	MIN	BLENDED & HANDLING TON-MILES		190.00
5501	6 HR	MILEAGE WATER TRANSPORTS (2 X 3)		480.00
1104	150 SX	VACUUM TRUCKS FRAC SAND CEMENT	*	1230.00
			* SALES TAX	78.10

Revin 2790

ESTIMATED TOTAL 2912.65

CUSTOMER or AGENTS SIGNATURE

CIS FOREMAN

CUSTOMER or AGENT (PLEASE PRINT)

