

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

**CONFIDENTIAL**

**WELL COMPLETION FORM**  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

**ORIGINAL**

Operator: License # 33138  
Name: Meritage KCM Exploration, LLC  
Address: 1600 Broadway, Suite 1360  
City/State/Zip: Denver, Colorado 80202  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Jeff Vaughan  
Phone: (303) 832-7463  
Contractor: Name: MOKAT  
License: 5831  
Wellsite Geologist: Larry Weis

API No. 15 - 003-24233-00-00  
County: Anderson  
ne\_nw Sec. 35 Twp. 19 S. R. 19  East  West  
660 feet from S (N) (circle one) Line of Section  
1800 feet from E (W) (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE (NW) SW  
Lease Name: Rockers Well #: 35-21  
Field Name: FCBCA

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

Producing Formation: Cherokee Coals  
Elevation: Ground: 975' Kelly Bushing: \_\_\_\_\_  
Total Depth: 1185' Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 22 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.  
ALT II W/WM 2-7-07

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. \_\_\_\_\_

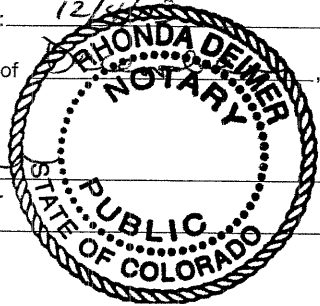
**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit)  
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: KANSAS CORPORATION COMMISSION  
Lease Name: \_\_\_\_\_ License No. \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_ East West  
County: CONSERVATION DIVISION WICHITA, KS

10-8-03 10-10-03 10-31-03  
Spud Date or Date Reached TD Completion Date or Recompletion Date

**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: [Signature]  
Title: Production MGR. Date: 12/1/03  
Subscribed and sworn to before me this 4th day of December, 2003  
Notary Public: Rhonda Deemer  
Date Commission Expires: 2-18-2005



**KCC Office Use ONLY**  
 Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: Meritage KCM Exploration, LLC Lease Name: Rockers Well #: 35-21  
 Sec. 35 Twp. 19 S. R. 19  East  West County: Anderson

**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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Log Formation (Top), Depth and Datum Sample Name Top Datum Mulberry 648 +327 Little Osage Shale 735 +240 Fleming 868 +107 Scammon 921 +54 Mineral 874 +101
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Electric Log Run <i>(Submit Copy)</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
List All E. Logs Run:		

High Resolution Compensated Density Neutron  
 Dual Induction SFL/GR

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CONFIDENTIAL <input checked="" type="checkbox"/> New <input type="checkbox"/> 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	12-1/4"	8-5/8"	32#	22'	Portland	4	
Production	7-7/8"	5-1/2"	17#	1174'	Thick Set	165	8# Coal Seal/sk
							1/8# Flocele

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 <i>(Amount and Kind of Material Used)</i>	Depth
4	831' - 833'	Broke down perms with 15% HCl acid.	
4	845.5' - 847.5'	Frac w/ 1,628 bbls water and 25,700#	
4	867' - 869'	10/20 sand.	
4	873.5' - 875.5'		
4	888' - 890'		

TUBING RECORD	Size	Set At	Packer At	Liner Run	Yes	<input checked="" type="checkbox"/> No
	2-7/8"	1147'	N/A			
Date of First, Resumed Production, SWD or Enhr.	Producing Method					
De-watering	Flowing		<input checked="" type="checkbox"/> Pumping	Gas Lift	Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	

Disposition of Gas:  Vented  Sold  Used on Lease  Open Hole  Perf.  Dually Comp.  Commingled \_\_\_\_\_  
*(If vented, Sumit ACO-18.)*  Other (Specify) \_\_\_\_\_

Meritage KCM Exploration, LLC  
Rockers 35-21  
Section 35-T19S-R19E  
Anderson County

<b>Shots Per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Cement Squeeze Record</b>	<b>Depth</b>
4	1037.5' - 1039.5'	fracture	
4	1048.5' - 1050.5'	fracture	
4	1060' - 1062'	fracture	
4	1094' - 1097'	fracture	
4	1101.5' - 1104'	fracture	
4	1101' - 1103'	fracture	
4	1106' - 1108'	fracture	
4	1121' - 1123.5'	fracture	

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CONSERVATION DIVISION  
WICHITA, KS

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Air Drilling  
Specialist  
Oil and Gas Wells



**M.O.K.A.T. DRILLING**  
Office Phone: (620) 879-5377



P.O. Box 590  
Caney, KS 67333

Operator <b>MERITAGE KCM EXPLORATION LLC</b>		Well No. <b>35-21</b>	Lease <b>ROCKERS</b>	Loc. <b>1/4 1/4 1/4</b>	Sec. <b>35</b>	Twp. <b>19</b>	Rge. <b>17E</b>					
County <b>ANDERSON</b>		State <b>KS</b>	Type/Well	Depth <b>1186'</b>	Hours	Date Started <b>10-08-*03</b>	Date Completed <b>10-10-03</b>					
Job No.	Casing Used <b>22' OF 8 5/8"</b>	Bit Record			Coring Record							
Driller <b>TOOTIE</b>	Cement Used	Bit No.	Type	size	From	To	Bit No.	type	Size	From	To	% Rec.
Driller	Rlg No. <b>1</b>			<b>7 7/8"</b>								
Driller	Hammer No.											

**Formation Record**

From	To	Formation	From	To	Formation	From	To	Formation	From	To	Formation
0	9	OVERBURDEN	587	589	SHALE	1069	1071	COAL			
9	14	LIME	589	602	LIME	1071	1145	SHALE			
14	18	SHALE	602	605	BLACK SHALE	1145	1186	LIME MISSISSIPPI			
18	20	LIME	605	649	GREY SHALE						
20	24	SHALE	649	653	COAL			T.D. 1186'			
24	50	LIME	653	656	SHALE						
50	215	SANDY SHALE / SHALE	656	660	LIME						
215	218	LIME / SHALE	660	676	SHALE / LIMEY SHALE						
218	241	LIME	676	680	BLACK SHALE						
241	261	SHALE	680	684	LIME						
261	270	LIME	684	687	COAL / BLACK SHALE						
270	308	SHALE	687	705	GREY SHALED						
308	321	LIME	705	708	LIME						
321	330	SHALE	708	720	SAND						
330	361	LIME	720	731	SANDY SHALE						
361	365	GREY SHALE	731	733	LIME						
365	369	BLACK SHALE	733	736	COAL						
369	371	GREY SHALE	736	745	SHALE						
369	371	GREY SHALE	745	755	LIME / SHALE						
371	395	LIME	755	846	SHALE						
395	399	GREY SHALE	846	850	BLACK SHALE / COAL						
399	401	BLACK SHALE	850	865	SAND						
401	412	LIME	865	872	SANDY SHALE						
412	425	SANDY SHALE	872	875	BLACK SHALE						
425	440	SHALE	875	918	SHALE						
440	470	SANDY / SANDY SHALE	918	921	BLACK SHALE / SAND						
470	544	SHALE	921	990	SHALE						
544	574	SANDY SHALE / SAND	990	1000	SAND / SANDY SHALE						
574	576	COAL	1000	1020	SAND						
576	585	SANDY SHALE	1020	1040	SANDY SHALE						
585	587	LIME	1040	1069	SHALE						

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OCT 21 2003

# BLUE STAR ACID SERVICE, INC.

PO Box 103  
Eureka, Kansas 67045

Cementing Ticket  
and Invoice Number

No 5021

Date 10-11-03	Customer Order No	Sec	Twp	Range	Truck Called Out	On Location	Job Began 11:30 AM	Job Completed 2:00 PM
Owner Mortgage KCM Equipment			Contractor Hurricane Well Serv			Charge To Mortgage KCM Equipment		
Mailing Address 115 North Oak			City Garnett			State KS 66032		
Well No. & Form Rockers 35-21		Place		County Anderson		State Kansas		
Depth of Well 1185'	Depth of Job 1174'	Casing (New) Used	Size 5 1/2" Weight 12.6	Size of Hole Amt. and Kind of Cement 165 SKS	Cement Left in casing by	Request (Necessity) <u>5</u> feet		
Kind of Job LONG STRING / PBTLD 1168'					Drillpipe	Rotary		Truck No. #26
					Tubing	Cable		

Price Reference No. \_\_\_\_\_  
 Price of Job 665.00  
 Second Stage \_\_\_\_\_  
 Mileage 191.25  
 Other Charges \_\_\_\_\_  
 Total Charges 856.25

Remarks: Setty Morning: Rig up to casing, wash casing down to 1175'. Pumped 300 lbs Gel Flush, Circulate Gel Flush around casing cement head. Draball to the casing Pump 17 Bbls. Then water mixed 165 SKS Thickset cement w/ KOL-SEAL 8# PPSK (First 30 SKS at 12.5 lb. PPSK, 135 SKS at 12.4 lb. PPSK) Shutdown, washout pump lines - Release Plug Displace Plug with 20 Bbls Biocide water @ 2 BPM Final Pumping at 250 PSI - Bumped Plug to 1000 PSI Check Float - Float Held - Close casing in w/ 0 PSI Good cement returns to surface w/ 10 Bbl slurry = 32 SKS cement Job complete - Turn down

Cementer Broad Butler  
 Helper Rick-Alan-Steve-Tim District Eureka State Kansas  
 The above job was done under supervision of the owner, operator, or his agent whose signature appears below.  
 \_\_\_\_\_  
 Agent of contractor or operator

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