

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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

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:

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. _____

<u>12-31-02</u>	<u>1-3-03</u>	_____
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 003-24222-00-00
County: Anderson
 - - - Sec. 26 Twp. 19 S. R. 19 East West
2310 feet from N (circle one) Line of Section
330 feet from E / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Garrison Well #: 26-13 SWD
Field Name: Wildcat

Producing Formation: Arbuckle Dolomite
Elevation: Ground: 996' Kelly Bushing: 997.5'
Total Depth: 1805' Plug Back Total Depth: 1805'
Amount of Surface Pipe Set and Cemented at 21 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from 1451
feet depth to ACT II WITHIN 4-18-02 w/ 195 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm **RECEIVED** _____ bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: MAY 08 2003
Operator Name: _____
Lease Name: _____ **CONSERVATION DIVISION**
License No. WICHITA, KS
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: _____
Title: VP, Project Development Date: 5-2-03
Subscribed and sworn to before me this 2nd day of May,
2003
Notary Public: Prada Deiner
Date Commission Expires: 2-18-2005

KCC Office Use ONLY

~~Deny~~ Letter of Confidentiality Attached DPW
If Denied, Yes Date: 05-08-03 DPW
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

Operator Name: _____ Lease Name: Garrison Well #: 26-13 SWD
 Sec. 26 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 <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: High Resolution Compensated Density Neutron Dual Induction SFL/GR	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Log Name</th> <th style="text-align: left;">Formation (Top), Depth and Datum</th> <th style="text-align: left;">Sample Datum</th> </tr> </thead> <tbody> <tr> <td>Mulberry Coal</td> <td>670'</td> <td>+326'</td> </tr> <tr> <td>Pawnee Lime</td> <td>678'</td> <td>+318'</td> </tr> <tr> <td>Bevier Coal</td> <td>852'</td> <td>+144'</td> </tr> <tr> <td>Mineral Coal</td> <td>896'</td> <td>-100'</td> </tr> <tr> <td>Arbuckle Dolomite</td> <td>1444'</td> <td>-448'</td> </tr> </tbody> </table>	Log Name	Formation (Top), Depth and Datum	Sample Datum	Mulberry Coal	670'	+326'	Pawnee Lime	678'	+318'	Bevier Coal	852'	+144'	Mineral Coal	896'	-100'	Arbuckle Dolomite	1444'	-448'
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CASING RECORD <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#	21'	Portland	25	None
Production	7-7/8"	5-1/2"	15.5#	1451.2'	Thick Set	195	8# Gilsonite/sk
Top off Annulus					Thick Set	10	

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				
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> RECEIVED KANSAS CORPORATION COMMISSION </div>				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shell Cement, Squeeze Record (Amount and Kind of Material Used)	Depth
		<div style="border: 1px solid black; padding: 5px; display: inline-block;"> MAY 08 2005 CONSERVATION DIVISION WICHITA, KS </div>	

TUBING RECORD		Size	Set At	Packer At	Liner Run
		2-7/8"	1451.2'	1401'	Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Enhr.			Producing Method		
SWD			Flowing	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) _____

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 MERITAGE KCM EXP LLC		Well No. SWD 2613	Lease GARRISON	Loc.	Sec.	Twp.	Rge.					
		County ANDERSON	State KS	Type/Well GAS	Depth 1454'	Hours	Date Started 12-31-12	Date Completed 1-3-03				
Job No.	Casing Used 22'2" OF 8 5/8"	Bit Record			Coring Record							
Driller TOOTIE	Cement Used 4 SACKS	Bit No.	Type	size	From	To	Bit No.	type	Size	From	To	% Rec.
Driller	Rig No. 1			7 7/8"								
Driller	Hammer No.											

Formation Record

From	To	Formation	From	To	Formation	From	To	Formation	From	To	Formation
0	2	DIRT	490	550	SANDY SHALE	1070	1073	COAL			
2	8	CLAY	550	612	SHALE	1073	1114	SHALE			
8	25	LIME	612	614	LIME	1114	1117	COAL			
25	27	COAL	614	621	SHALE	1117	1121	SHALE			
27	37	LIME	621	628	LIME	1121	1123	COAL			
37	47	SHALE	628	630	BLACK SHALE OR COAL	1123	1128	SHALE			
47	73	LIME	630	634	SHALE	1128	1129	COAL			
73	85	SHALE	634	635	COAL	1129	1140	SHALE			
85	87	LIME	635	673	SHALE	1140	1142	COAL			
87	110	SANDY SHALE	673	676	COAL	1142	1170	SHALE			
110	236	SHALE	676	685	SHALE	1170	1410	LIME MISSISSIPPI			
236	265	LIME	685	704	LIMEY SHALE	1235		WATER TRIP STEEL			
265	278	SHALE	704	708	LIME			PUT TRICONE ON			
78	279	COAL	708	773	SHALE	1407	1417	SHALE WOODFORD			
279	289	SHALE	773	775	COAL	1417	1444	SHALE			
289	298	LIME	775	780	SHALE	1444	1454	LIME ARBUCKLE			
298	306	SHALE	780	782	COAL						
306	336	LIME	782	853	SHALE			TD 1454'			
336	338	SHALE	853	887	SHALE						
338	344	LIME	887	888	COAL						
344	353	SHALE	888	897	SHALE						
353	385	LIMEY SHALE	897	898	COAL						
374		WATER	898	908	SHALE						
385	401	SHALE	908	909	COAL						
401	421	LIME	909	911	SHALE						
421	426	SHALE	911	913	COAL						
426	429	LIME	913	934	SHALE						
429	431	SHALE	934	935	COAL						
431	437	LIME	935	998	SHALE						
437	485	SHALE	998	999	COAL						
485	490	SAND	999	1070	SHALE						

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KANSAS CORPORATION COMMISSION

MAY 08 2003

CONSERVATION DIVISION
WICHITA, KS

Jan 06 03 01:48P

MOKAT Drilling

16208795751

P.5

**BLUE STAR
ACID SERVICE, INC.**

PO Box 103
Eureka, Kansas 67045

Cementing Ticket
and Invoice Number

No 4176

Date 1-4-03	Customer Order No.	Sect. 2E	Twp. 19S	Range 19E	Truck Called Out —	On Location 11:00am	Job Began 11:30am	Job Completed 1:30pm
Owner Meritage KCM Exploration		Contractor Hurricane Well Service			Charge To Meritage KCM Exploration			
Mailing Address 1600 Broadway, Suite 136C		City Denver			State CO. 80202			
Well No. & Form Garrison #26-13 SWD		Place Anderson			State Kansas			
Depth of Well 1454	Depth of Job 1457	Casing (New) Size 5 1/2" (Used) Weight	Size of Hole Amt. and Kind of Cement 7 7/8" 195 sks.		Cement Left in casing by		Request Necessity 0 feet	
Kind of Job Logging					Drillpipe Tubing			
					Cable Truck No. #2			

Price Reference No. _____
 Price of Job 665.00
 Second Stage _____
 Mileage 85 191.25
 Other Charges _____
 Total Charges 856.25

Remarks Safety Meeting: Rig up to 5 1/2" casing, break circulation with fresh water. Pumped 10 Bbl. Gel Flush, circulated on well, brought G/L around to condition hole. Pumped 20 Bbl. Dye water. Mixed 195 sks Thickset cement w/ 8 7/8" pk of C. I. onite at 13.4 psi/ft. Shut down, washout pump & lines - Release Plug. Displace Plug with 34 Bbls fresh water at 2 BPM. Final pumping at 500 P.S.I. - Bumped Plug to 1000 P.S.I. Check Float - Float Held - close casing in with C.P.S.I. We had good cement returns to surface = 7 Bbls Slurry = 25 sks cement

Cementer Brad Butler Job complete - Teardown
 Helper Meat - Rick District Eureka State Kansas
 The above job was done under supervision of the owner, operator, or his agent whose signature appears below.

Lan & Gian
Agent of contractor or operator

"Thank You"

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WICHITA, KS