

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

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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

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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)

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. _____

10-13-03	10-14-03	10-30-03
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 003-24230-00-00
County: Anderson
_____ se - sw Sec. 27 Twp. 19 S. R. 19 East West
780 660 feet from (S) N (circle one) Line of Section
1900 1750 feet from E (W) (circle one) Line of Section
KCC WHM/OPER
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Rockers Well #: 27-24
Field Name: FCBCA
Producing Formation: Cherokee Coals
Elevation: Ground: 961' Kelly Bushing: _____
Total Depth: 1190' 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.

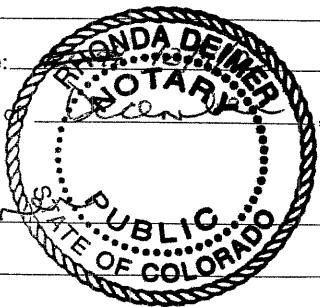
Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume: _____ bbls
Dewatering method used: KANSAS CORPORATION COMMISSION
Location of fluid disposal if hauled offsite: DEC 09 2003
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

ALT II WHM 2-7-07

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: _____
Subscribed and sworn to before me this 4th day of _____
2003
Notary Public: Ronda Deimer
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

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Side Two

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Operator Name: Meritage KCM Exploration, LLC Lease Name: Rockers Well #: 27-24
 Sec. 27 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 type="checkbox"/> Yes <input checked="" 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="width:30%;">Log</th> <th style="width:40%;">Formation (Top), Depth and Datum</th> <th style="width:30%;">Sample</th> </tr> </thead> <tbody> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Mulberry</td> <td>644</td> <td>+317</td> </tr> <tr> <td>Little Osage Shale</td> <td>722</td> <td>+239</td> </tr> <tr> <td>Fleming</td> <td>862</td> <td>+99</td> </tr> <tr> <td>Scammon</td> <td>920</td> <td>+41</td> </tr> <tr> <td>Rowe</td> <td>1057</td> <td>-96</td> </tr> </tbody> </table>	Log	Formation (Top), Depth and Datum	Sample	Name	Top	Datum	Mulberry	644	+317	Little Osage Shale	722	+239	Fleming	862	+99	Scammon	920	+41	Rowe	1057	-96
Log	Formation (Top), Depth and Datum	Sample																				
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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#	22'	Portland	4	
Production	7-7/8"	5-1/2"	17#	1184'	Thick Set	165	8# Coal Seal/sk
							1/8# Flocele

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose: <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
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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	820' - 822'	Broke down perms with 15% HCl acid.	
4	835' - 837'	Frac w/ 1,100 bbls water and 22,771#	
4	862' - 864'	10/20 sand.	
4	876.5' - 878.5'		
4	1017' - 1019'		

TUBING RECORD	Size	Set At	Packer At	Liner Run	Yes	No
	2-7/8"	1140'	N/A		<input checked="" type="checkbox"/>	<input type="checkbox"/>

Date of First, Resumed Production, SWD or Enhr. De-watering	Producing Method Flowing <input type="checkbox"/> Pumping <input checked="" type="checkbox"/> Gas Lift <input type="checkbox"/> 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 Other (Specify) _____

METHOD OF COMPLETION Production Interval

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Meritage KCM Exploration, LLC
Rockers 27-24
Section 27-T19S-R19E
Anderson County

Shots Per Foot	Perforation Record	Acid, Fracture, Cement Squeeze Record	Depth
4	1030' - 1032'	fracture	
4	1057.5' - 1059.5'	fracture	
4	1091.5' - 1094'	fracture	
4	1097.5' - 1100'	fracture	
4	1102.5' - 1104.5'	fracture	

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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 MERITAGE KCM EXPLORATION LLC		Well No. 27-24	Lease ROCKERS	Loc. 1/4 1/4 1/4	Sec. 27	Twp. 19	Rge. 19E					
County ANDERSON		State KS		Type/Well	Depth 1190'	Hours	Date Started 10-13-03	Date Completed 10-14-03				
Job No.	Casing Used 22' OF 8 5/8"	Bit Record				Coring Record						
Driller TOOTIE	Cement Used	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	22	SURFACE	644	647	COAL / BLACK SHALE	1034	1060	SHALE			
22	26	SHALE	647	650	SHALE	1060	1062	BLACK SHALE			
26	56	LIME	650	653	LIME	1062	1090	GREY SHALE			
56	90	SAND / SANDY SHALE	653	656	SHALE	1090	1094	COAL			
90	121	SANDY SHALE	656	674	SANDY SHALE	1094	1100	GREY SHALE			
121	215S	SAHLE	674	678	LIME	1100	1102	COAL			
215	240	LIME	678	781	BLACK SHALE	1102	1135	GREY SHALE			
240	242	BLACK SHALE	681	695	SHALE	1135	1190	LIME MISSISSIPPI			
242	256	GREY SHALE	695	725	LIME						
256	258	SANDY SHALE	725	728	BLACK SHALE			T.D. 1190'			
258	269	LIME	728	736	SHALE						
269	306	SHALE	736	747	LIME / SHALE						
306	320	LIME	747	750	BLACK SHALE / COAL						
320	330	SHALE	750	821	GREY SHALE						
330	369	LIME	821	823	BLACK SHALE						
369	377	SHALE	823	833	GREY SHALE						
377	394	LIME	833	835	LIME						
394	397	COAL	835	838	BLACK SHALE						
397	408	LIME	838	856	GREY SHALE						
408	411	SHALE	856	858	BLACK SHALED						
411	413	LIME	858	876	GREY SHALE						
413	441	SANDY SHALE	876	880	BLACK SHALE / COAL						
441	460	SAND	880	884	SHALE						
460	480	SANDY SHALE	884	885	LIME						
480	570	SHALE	885	950	SHALE						
570	571	COAL	950	955	SANDY SHALE						
571	573	SHALE	955	975	SAND						
573	598	LIME	975	1010	SANDY SHALE						
598	603	SHALE	1010	1017	BLACK SHALE						
603	608	SAND	1017	1030	SHALE						
608	644	SANDY SHALE	1030	1034	BLACK SHALE / COAL						

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BLUE STAR
ACID SERVICE, INC.

PO Box 103
Eureka, Kansas 67045

Cementing Ticket
and Invoice Number

No 5024

Date 10-15-03	Customer Order No.	Sec.	Twp.	Range	Truck Called Out	On Location 12:00pm	Job Began 12:30pm	Job Completed 2:30pm
Owner Meritage KCM Exploration		Contractor Harrison Well Serv			Charged To Meritage KCM Exploration			
Mailing Address 115 North Oak		City Garnett			State Ks 66032			
Well No. & Form Rockers 27-24	Place	County Anderson			State Kansas			
Depth of Well 1170'	Depth of Job 1184'	Casing (New / Used)	Size 5 1/2"	Weight 12 lb	Size of Hole Ann. and Kind of Cement 165 SKS	Cement Len in casing by	Request (Necessity) 6' test	
Kind of Job Longstring > PBD					Drillpipe Tubing	(Rotary / Cable)	Truck No. #25	

Price Reference No.
Price of Job 665.00
Security Range
Mileage N/C
Other Charges
Total Charges 665.00

Remarks **Safety Meeting: Rig up to casing, wash down to 1185'**
Pumped 300 lbs Gel Flush, circulate Gel Flush around to condition Hole.
Rig up cement Head, Drop ball to Trip, Taset - Pumped 18 Bbls Dye water.
Mixed 165 SKS. Thickset cement w/ KOL-SEAL 8" P/LK)
(First 30 SKS at 12:26 P.M. - Tail end with 135 SKS at 13:24 P.M.)
Shutdown, washout pumps lions - Release Plug
Displace Plug with 29 1/2 Bbls Biocide water at 2:00 PM
Final pumping at 6:50 PST - Bumped Plug to 1150 PST
check Float - Float Held - close casing w/ 0 PST
Good cement returns to surface w/ 11 Bbl slurry = 35 SKS cement
Job complete - Tear down

Cementer **Brad Butcher** District **Eureka** State **Kansas**

Helper **Rick - Jason - Jim**

The above job was done under supervision of the owner, operator, or his agent whose signature appears below.

Brad Butcher
Agent of contractor or operator

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