

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

**CONFIDENTIAL**

**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

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>9-26-03</u>	<u>9-27-03</u>	<u>10-30-03</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 003-24235-00-00  
County: Anderson  
\_\_\_\_\_ SW SE Sec. 26 Twp. 19 S. R. 19  East  West  
800 feet from (S) N (circle one) Line of Section  
1550 feet from (E) W (circle one) Line of Section

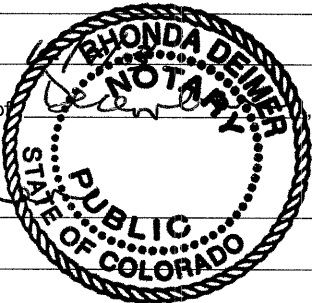
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Gretencord Well #: 26-34  
Field Name: FCBCA  
Producing Formation: Cherokee Coals  
Elevation: Ground: 1012' Kelly Bushing: \_\_\_\_\_  
Total Depth: 1235' Plug Back Total Depth: \_\_\_\_\_  
Amount of 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 cnt.

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit) *Act II with 4-25-07*  
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_ **RECEIVED**  
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**DEC 09 2003**  
Lease Name: \_\_\_\_\_ License No. \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. WICHITA, KS 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: [Handwritten Signature]  
Title: Production MGR. Date: \_\_\_\_\_  
Subscribed and sworn to before me this 4th day of January  
2003  
Notary Public: Rhonda Deiner  
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: Gretencord Well #: 26-34  
 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 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 Gamma Ray Cement Bond/VDL CCL	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Log Name</th> <th>Formation (Top), Depth and Datum</th> <th>Sample Datum</th> </tr> </thead> <tbody> <tr> <td>Mulberry</td> <td>663</td> <td>+350</td> </tr> <tr> <td>Little Osage Shale</td> <td>744</td> <td>+268</td> </tr> <tr> <td>Fleming</td> <td>882</td> <td>+130</td> </tr> <tr> <td>Scammon</td> <td>933</td> <td>+79</td> </tr> <tr> <td>Rowe</td> <td>1109</td> <td>-97</td> </tr> </tbody> </table>	Log Name	Formation (Top), Depth and Datum	Sample Datum	Mulberry	663	+350	Little Osage Shale	744	+268	Fleming	882	+130	Scammon	933	+79	Rowe	1109	-97
Log Name	Formation (Top), Depth and Datum	Sample Datum																	
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Scammon	933	+79																	
Rowe	1109	-97																	

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#	1224'	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				

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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 <i>(Amount and Kind of Material Used)</i>	
		Amount	Depth
4	844' - 846'	Broke down perms with 15% HCl acid.	
4	859.5' - 861.5'	Frac w/1,429 bbls water and 22,800#	
4	881' - 883'	10/20 sand.	
4	889' - 891'		
4	904' - 906'		

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TUBING RECORD		Size	Set At	Packer At	Liner Run	Yes	<input checked="" type="checkbox"/> No
		2-7/8"	1189'	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  
Gretencord 26-34  
Section 26-T19S-R19E  
Anderson County

<b>Shots Per Foot</b>	<b>Perforation Record</b>	<b>Acid, Fracture, Cement Squeeze Record</b>	<b>Depth</b>
4	913' – 915'	fracture	
4	932.5' – 934.5'	fracture	
4	1144.5' – 1147'	fracture	
4	1150.5' – 1153'	fracture	
4	1157.5' – 1159.5'	fracture	
4	1170' – 1172'	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

P.6

Operator	MERITAGE KCM EXPLORATION LLC	Well No.	26-34	Lease	GRETONCORD			Loc.	1/4	1/4	1/4	Sec.	26	Twp.	19	Rge.	19E
County	ANDERSON		State	KS		Type/Well	Depth	Hours	Date Started	Date Complete		9-26-03		9-27-03			

Job No.	Casing Used	Bit Record						Coring Record									
		Bit No.	Type	size	From	To	Bit No.	type	Size	From	To	% Rec.					
	22' OF 8 5/8"			7 7/8"													
Driller	Cement Used																
Driller	TOOTIE																
Driller	Rlg No.																
Driller	1																
Driller	Hammer No.																

**Formation Record**

From	To	Formation	From	To	Formation	From	To	Formation	From	To	Formation
0	14	LIME	586	599	SHALE	1168	1186	SHALE			
14	27	SHALE	599	602	LIME	1186	1188	COAL			
27	54	LIME	602	607	SHALE	1188	1199	SHALE			
54	67	SHALE	607	614	LIME	1199	1235	LIME MISSISSIPPI			
67	221	SANDY SHALE / SHALE	614	661	SHALE						
221	245	LIME	661	663	COAL			T.D. 1235'			
245	263	SHALE	663	668	SHALE						
263	264	COAL	668	680	LIME						
264	272	SHALE	680	693	SHALE						
272	276	LIME	693	696	LIME						
276	318	SHALE	696	700	BLACK SHALE						
318	326	LIME	700	712	GREY SHALE						
326	327	BLACK SHALE	712	735	LIME / LIMEY SHALE						
327	333	LIME	735	742	BLACK SHALE						
333	342	SHALE	742	770	LIME / LIMEY SHALE						
342	356	LIME	770	820	GREY SHALE						
356	358	SHALE	820	840	SAND OIL ODOR						
358	376	LIME	840	886	SHALE						
376	379	SHALE	886	888	COAL						
379	380	COAL	888	927	SHALE						
380	386	SHALE	927	929	COAL						
386	407	LIME	929	995	SANDY SHALE						
407	413	SHALE	995	1010	SAND / SANDY SHALE						
413	424	LIME	1010	1050	SHALE						
424	426	BLACK SHALE / COAL	1050	1116	SAND						
426	429	SHALE	1116	1145	SHALE						
429	458	SAND / SANDY SHALE	1145	1147	COAL						
458	483	SAND	1147	1158	SHALE						
483	508	SAND / SANDY SHALE	1158	1160	COAL						
508	585	SANDY SHALE	1160	1165	SHALE						
585	586	COAL	1165	1168	LIME						

16208795751

MOKAT Drilling

Sep 30 03 11:01a

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WICHITA, KS

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OCT 21 2003

**BLUE STAR  
ACID SERVICE, INC.**

PO Box 103  
Eureka, Kansas 67045

Centering Ticket  
and Invoice Number

**NO 4969**

Date <u>9-29-03</u>	Customer Order No.	Sect.	Twp.	Range	Truck Called Out	On Location <u>2:30 p.m.</u>	Job Began <u>4:30 p.m.</u>	Job Completed <u>6:15 p.m.</u>
Owner <u>Meritage KCM Exploration</u>			Contractor <u>Hurricane Well Serv.</u>			Charge To <u>Meritage KCM Exploration</u>		
Mailing Address <u>115 North Oak</u>			City <u>Garnett</u>			State <u>Ks 66032</u>		
Well No. & Form <u>Green cord 26-34</u>		Place		County <u>Anderson</u>		State <u>Kansas</u>		
Depth of Well <u>1236'</u>	Depth of Job <u>1224'</u>	Casing (New) _____ (Used) _____	Size <u>5 1/2"</u>	Weight <u>17lb</u>	Size of Hole Amt. and Kind of Cement <u>165SK</u>	Cement Left in casing by	Request Necessity <u>4'</u>	feet
Kind of Job <u>Longstring &gt; PBTD 1220'</u>					Drillpipe _____ Tubing _____	(Rotary) (Cable)	Truck No. <u>#25</u>	

Price Reference No. _____
Price of Job <u>665.00</u>
Second Stage _____
Mileage <u>Trk inf. old N/C</u>
Other Charges _____
Total Charges <u>665.00</u>

Remarks Safety Meeting: Rise up to casing, wash casing to 1221'  
Mix 200lbs. Gel Flush circulate Gel around to condition Hole.  
Rise up cement Head, Drop ball to Trip Insert. Pumped 18 Bbls Dry water.  
Mixed 165 SKS. Thick set cement w/ KOL-SEAL 8lb 1 1/2 SK & 1/2 lb 1 1/2 SK of Fiberte.  
(First 80 SKS. @ 12 3/4 lb 1 1/2 SK - Tail end @ 13 1/4 lbs 1 1/2 SK.)  
Shutdown, washout pump & lines - Release Plug - Displace Plug with 28 1/4 Bbls.  
Bioicide water at 2 BPM  
Final pumping at 800 P.S.I. - Pumped Plug to 1200 P.S.I.  
Check Float - Float Held - close casing in 0 P.S.I.  
Good cement returns to surface with 10 Bbls slurry = 325 SKS cement  
Job complete - Tear down

Cementer Brad Butler  
 Helper Troy - Jim - John

District Eureka State Kansas

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

Brad Butler  
 Agent of contractor or operator

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