

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

ORIGINAL

CONFIDENTIAL

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>9-27-03</u>	<u>9-29-03</u>	<u>10-9-03</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 003-24238-00-00
County: Anderson
SE SE Sec. 22 Twp. 19 S. R. 19 East West
660 feet from S N (circle one) Line of Section
750 feet from E W (circle one) Line of Section

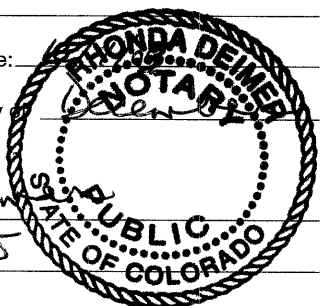
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Kipper Well #: 22-44
Field Name: FCBCA
Producing Formation: Cherokee Coals
Elevation: Ground: 977' Kelly Bushing: _____
Total Depth: 1224' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at 20 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) *ACT II WNW 4-25-07*
Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: **RECEIVED KANSAS CORPORATION COMMISSION**
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. **CONSERVATION DIVISION EAST WICHITA, KS**
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 this 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: Gerald Lewis
Title: Production Manager Date: _____
Subscribed and sworn to before me this 4th day of _____
2003
Notary Public: Gloria 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: Kipper Well #: 22-44
 Sec. 22 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"> <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>653</td> <td>+324</td> </tr> <tr> <td>Anna Shale</td> <td>679</td> <td>+298</td> </tr> <tr> <td>Excello Shale</td> <td>748</td> <td>+229</td> </tr> <tr> <td>Bevier</td> <td>823</td> <td>+154</td> </tr> <tr> <td>Fleming</td> <td>866</td> <td>+111</td> </tr> </tbody> </table>	Log Name	Formation (Top), Depth and Datum	Sample Datum	Mulberry	653	+324	Anna Shale	679	+298	Excello Shale	748	+229	Bevier	823	+154	Fleming	866	+111
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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#	20'	Portland	4	
Production	7-7/8"	5-1/2"	17#	1195'	Thick Set	165	8# Kol Seal/sk

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	RECEIVED KANSAS OIL AND GAZES COMMISSION DEC 09 2003 CONSERVATION DIVISION WICHITA, KS
<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 (Amount and Kind of Material Used)	Depth
4	822.5' - 824.5'	Frac with 1,039 bbls Lightning 15 gel and	
4	837' - 839'	60,000# 10/20 sand.	
4	865' - 867'		
4	881' - 883'		
4	902' - 904'		

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2-7/8"	1181'	N/A	Yes <input checked="" type="checkbox"/> No

Date of First, Resumed Production, SWD or Enhr.	Producing Method
De-watering	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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CONSERVATION DIVISION
WICHITA, KS

Meritage KCM Exploration, LLC
Kipper 22-44
Section 22-T19S-R19E
Anderson County

Shots Per Foot	Perforation Record	Acid, Fracture, Cement Squeeze Record	Depth
4	1075.5' – 1077.5'	fracture	
4	1111.5' – 1114'	fracture	
4	1118' – 1120.5'	fracture	
4	1123.5' – 1125.5'	fracture	
4	1140.5' – 1142.5'	fracture	

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		Well No. 22-44	Lease KIPPER	Loc. 1/4 1/4 1/4	Sec. 22	Twp. 19	Rge. 19E					
		County ANDERSON	State KS	Type/Well	Depth 1224'	Hours	Date Started 9/27/03	Date Complete 9/29/03				
Job No.	Casing Used 22' 8 5/8"	Bit Record			Coring Record							
		Bit No.	Type	size	From	To	Bit No.	type	Size	From	To	% Rec.
Driller TOOTIE	Cement Used			7 7/8"								
Driller	Rig No. #1											
Driller	Hammer No.											

Formation Record

From	To	Formation	From	To	Formation	From	To	Formation	From	To	Formation
0	4	OVERBURDEN	608	655	SHALE	1082	1111	SHALE			
4	15	LIME	655	659	COAL	1111	1114	COAL			
15	25	SHALE	659	675	GREY SHALE	1114	1157	SHALE			
25	50	LIME	675	678	LIME	1157	1224	LIME			
50	219	SANDY SHALE	678	682	BLACK SHALE						
219	245	LIME	682	695	GRAY SHALE			T.D. 1224'			
245	266	SHALE	695	708	LIME						
266	274	LIME	708	722	SHALE						
274	305	SHALE	722	725	LIME						
305	321	LIME	725	728	BLACK SHALE						
321	330	SHALE	728	751	GREY LIMEY SHALE LIME						
330	358	LIME	751	753	BLACK SHALE						
358	365	SHALE	753	760	GREY LIMEY SHALE						
365	367	BLK SHALE	760	825	SHALE						
367	368	SHALE	825	827	COAL						
368	396	LIME	827	835	GREY SHALE						
396	399	SHALE	835	837	COAL						
399	401	COAL	837	860	SHALE						
401	404	LIME	860	862	COAL						
404	406	SHALE	862	904	SHALE						
406	412	LIME	904	905	COAL						
412	418	SHALE	905	925	SHALE						
418	421	LIME	925	940	SANDY SHALE						
421	447	SANDY SHALE	940	960	SHALE						
447	482	SAND (WET)	960	974	SANDY SHALE						
482	500	SANDY SHALE	974	998	SAND WATER						
500	578	SHALE	998	1005	SAND / SANDY SHALE						
578	584	SANDY LIME	1005	1055	SANDY SHALE / SHALE						
584	602	LIME	1055	1057	COAL						
602	605	SHALE	1057	1080	SHALE						
605	608	LIME	1080	1082	COAL						

CONSERVATION DIVISION
WICHITA, KS

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OCT 21 2003

**BLUE STAR
ACID SERVICE, INC.**

PO Box 103
Eureka, Kansas 67045

Cementing Ticket
and Invoice Number

NO 4970

Date 9-30-03	Customer Order No.	Secl.	Twp.	Range	Truck Called Out	On Location 3:30pm	Job Began 4:30pm	Job Completed 6:00pm
Owner Meritage KCM Exploration			Contractor Hulligan Well Serv.			Charge To Meritage KCM Exploration		
Mailing Address 115 North Oak			City Garnett			State KS 66032		
Well No. & Form Kinder 22-44		Place		County Anderson		State Kansas		
Depth of Well 1224'	Depth of Job 1195'	Casing (New) (Used)	Size 5 1/2"	Weight 17lb	Size of Hole Amt. and Kind of Cement 7 1/4" 165 SKs	Cement Left in casing by	Request Necessity 6' feet	
Kind of Job Longstring > P.B.T.D. 1189					Drillpipe	(Rotary)		Truck No. #25
					Tubing	(Cable)		

Price Reference No. _____
 Price of Job 665.00
 Second Stage _____
 Mileage nil
 Other Charges _____
 Total Charges 665.00

Remarks: Safety Meeting: Rig up to casing, wash casing to 1196'
 Pumped 500lbs GEL Flush, circulate on well for 30 min to
 condition hole. Rig up cement Head, Drop ball to Trip Taper,
 Pumped 18 Bbls Dry water, Mixed 165 SKs Thickset cement
 with KOL-SEAL 8# P/LSK & Florete 4# P/LSK
 (First 80 SKs at 12.5 lb P/GAL 85 SKs at 13.4 lb P/GAL)
 Shut down washout pump & lines - Release Plug
 Displace Plug with 2 1/2 Bbls Biocide water at 2 BPM
 Final pumping at 600 P.S.I. - Bumped Plug to 1000 P.S.I.
 Check Float - Float Hold - close casing in 0 P.S.I.
 Good cement returns to surface w/ 10 Bbl slurry = 32 SKs cement

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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