

KCC  
JAN 13 2005  
CONFIDENTIAL

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: Independence Plaza, 1050 17th St., Suite 975  
City/State/Zip: Denver, CO 80265  
Purchaser: SIGW, waiting on pipeline  
Operator Contact Person: Jeff Vaughan  
Phone: (303) 534-9513  
Contractor: Name: Mokat Drilling  
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. \_\_\_\_\_

<u>12-4-04</u>	<u>12-6-04</u>	<u>12-7-04</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 011-23027-00-00  
County: Bourbon  
SW SE SW Sec. 19 Twp. 23 S. R. 24  East  West  
330' feet from  N (circle one) Line of Section  
1702' feet from E /  W (circle one) Line of Section

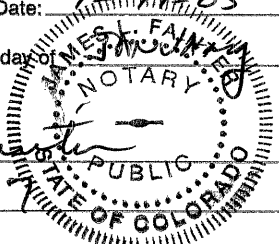
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW  SW  
Lease Name: Wade Well #: 19-44  
Field Name: Wildcat  
Producing Formation: Cherokee Coals  
Elevation: Ground: 842' Kelly Bushing: \_\_\_\_\_  
Total Depth: 535' Plug Back Total Depth: 525'  
Amount of Surface Pipe 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 531'  
feet depth to surface w/ 60 sx cmt.

Drilling Fluid Management Plan ALT II w/ Hm 3-5-07  
(Data must be collected from the Reserve Pit)  
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used Air Drilled  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
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: Larry Weis  
Title: Agent Date: 1/13/05  
Subscribed and sworn to before me this 11 day of JANUARY,  
20 05.  
Notary Public: James J. Fair  
Date Commission Expires: 8-21-07



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

My Commission Expires August 21, 2007

Operator Name: Meritage KCM Exploration, LLC Lease Name: Wade Well #: 19-44  
 Sec. 19 Twp. 23 S. R. 24  East  West County: Bourbon

**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  Yes  No  
 (Attach Additional Sheets)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
 (Submit Copy)

List All E. Logs Run:

Compensated Density/Neutron, Dual Induction

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Oswego Lime	78'	+764'
Bevier Coal	197'	+645'
Riverton Coal	449'	+393'
Mississippian	454'	+388'

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CASING RECORD <input 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	11"	8 5/8"	32#	20'	Portland	4	None
Production	6 3/4"	4 1/2"	10.5#	531'	Thickset	60	Kol-Seal

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 (Amount and Kind of Material Used)	Depth
	Waiting on pipeline before completion		

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TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr.		Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input 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 (If vented, Submit ACO-18.)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

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 LLC,</b>		Well No. 19-44	Lease <b>WADE</b>	Loc. 1/4 1/4 1/4	Sec. 19	Twp. 23S	Rge. 24
County <b>BOURBON</b>		State <b>KS</b>	Type/Well	Depth 535'	Hours	Date Started 12/4/04	Date Completed 12/6/04
Job No.	Casing Used 21' 8 5/8"	Bit Record			Coring Record		
Driller <b>TOOTIE, JERALD</b>	Cement Used	Bit No.	Type	size	From	To	% Rec.
Driller	Rig No. 1			6 3/4"			
Driller	Hammer No.						

**Formation Record**

From	To	Formation	From	To	Formation	From	To	Formation	From	To	Formation
0	6	OVERBURDEN	231	252	SHALE						
6	19	LIME	235		GAS TEST (SAME)						
19	28	SHALE	252	253	COAL						
28	31	LIME	253	262	SHALE						
31	35	BLK SHALE	262	263	COAL						
35	62	GRAY SHALE	263	272	SHALE						
62	63	COAL	272	273	COAL						
63	65	GRAY SHALE	273	288	SHALE						
65	73	LIMEY SHALE	288	290	COAL						
73	79	SANDY SHALE	290	292	SHALE						
79	95	LIME	292	293	COAL						
95	99	BLK SHALE, COAL	293	300	SANDY SHALE						
99	101	LIMEY SHALE	300	301	COAL						
101	105	LIME	301	307	SANDY SHALE						
105	120	SANDY SHALE	307	350	SHALE						
110		GAS TEST ( 1.5 # 1/8")	310		GAS TEST (3 # 1/8")						
120	155	SHALE	350	351	COAL						
155	172	SAND (OIL ODOR)	351	353	SHALE						
160		GAS TEST (SAME)	353	354	COAL						
172	175	SANDY SHALE	354	360	SANDY SHALE						
175	189	SAND	360		GAS TEST (SAME)						
189	190	SAND	360	408	SAND (WATER)						
190	191	COAL	408	452	SHALE						
191	198	SHALE	452	535	LIME (MISS)						
198	199	COAL	455		GAS TEST (SAME)						
199	210	SANDY SHALE									
210	222	SHALE			T.D. 535'						
222	224	LIME									
224	228	BLK SHALE									
228	230	GRAY SHALE									
230	231	COAL									

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CONSOLIDATED OIL WELL SERVICES, INC.  
 211 W. 14TH STREET, CHANUTE, KS 66720  
 620-431-9210 OR 800-467-8676

TICKET NUMBER 2697  
 LOCATION Eureka  
 FOREMAN Brad Butler

TREATMENT REPORT & FIELD TICKET  
 CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY																
12-7-04		Wade 19-44				Bourbon																
CUSTOMER Meritage KCM Exploration			<table border="1"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>446</td> <td>Rick</td> <td></td> <td></td> </tr> <tr> <td>441</td> <td>Alan</td> <td></td> <td></td> </tr> <tr> <td>437</td> <td>Anthony</td> <td></td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	446	Rick			441	Alan			437	Anthony		
TRUCK #	DRIVER	TRUCK #					DRIVER															
446	Rick																					
441	Alan																					
437	Anthony																					
MAILING ADDRESS 115 North OAK																						
CITY Garnett																						
STATE KS		ZIP CODE 66032																				

Hurricane Well Serv.

JOB TYPE Longstring HOLE SIZE 6 3/4" HOLE DEPTH 535' CASING SIZE & WEIGHT 4 1/2" - 10.5"  
 CASING DEPTH 531' DRILL PIPE PBTD 525' OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.2 lb SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 6'  
 DISPLACEMENT 8 1/4 Bbls DISPLACEMENT PSI 200 ~~600~~ PSI 600 Landed Plug RATE 3 BPM - 2 BPM

REMARKS: Safety Meeting: Rig up to 4 1/2" casing. Drop ball to Trip Insert. Pumped 15 Bbl. water Ahead.  
 Pumped 4 Bbl. Dye water. Mixed 60 SKs. Thick Set cement w/ 8" KOH-SEAL 1/4lb Floccle at 13.2 lb. P<sub>2</sub>/GAL  
 shut down - washout pump & lines - Release Plug - Displace Plug with 8 1/4 Bbls water. wait 2 minutes  
 Final pumping at 200 PSI - Pumped Plug to 600 PSI - Release Pressure  
 Float Held - Close casing in with 0 PSI  
 Good cement returns to Surface with 4 Bbl. Slurry  
 Job complete - Teardown

"Thank you"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	710.00	710.00
5406	60	MILEAGE	2.35	141.00
1126A	60 SKs	Thick Set cement	11.85	711.00
1110A	9 SKs	KOH-SEAL 8" P <sub>2</sub> /GAL	15.75	141.75
1107	1/2 SK	Floccle 1/4" P <sub>2</sub> /GAL	40.00	20.00
5407A	3.5 Ton	60 miles - Bulk Truck RECEIVED	.85	178.50
5502C	4 Hrs	80 Bbl. VAC Truck	78.00	312.00
1123	3000 GAL	City Water KCC WICHITA	11.50 <sup>per 1000</sup>	34.50
4201	1	4 1/2" Guide shoe	85.00	85.00
4226	1	4 1/2" AFU Insert Flapper Valve	110.00	110.00
4129	3	4 1/2" Centralizers	26.00	78.00
4404	1	4 1/2" Top Rubber Plug	35.00	35.00
		CCG		
		JAN 13 2005		
		6.3%	SALES TAX	76.56
			ESTIMATED TOTAL	2633.31

AUTHORIZATION Harry Dwyer

TITLE \_\_\_\_\_ DATE \_\_\_\_\_

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