

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

COPY

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: Layne Christensen Canada Ltd
License: _____
Wellsite Geologist: Larry Weis

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. _____

11-28-02 11-30-02 4-4-03
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 107-23679-00-00
County: Linn
.C SW NW Sec. 5 Twp. 23 S. R. 22 East West
1980 feet from S / (N) (circle one) Line of Section
660 feet from E / (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE (NW) SW
Lease Name: Petrie Trust Well #: 5-12
Field Name: Wildcat

Producing Formation: Cherokee Coals
Elevation: Ground: 1034' Kelly Bushing: _____
Total Depth: 910' Plug Back Total Depth: 902'
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 908
feet depth to 0 w/ 130 sx cmt.

Drilling Fluid Management Plan RP 11 W 7-11-03
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Docket No.: _____

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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: VP Project Development Date: 6/24/03
Subscribed and sworn to before me this 24th day of June, 2003
Notary Public: [Signature]
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: Petrie Trust Well #: 5-12

Sec. 5 Twp. 23 S. R. 22 East West County: Linn

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 <u>NO</u> Gamma Ray Cement Bond/VDL CCL <u>NO</u>	<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>Altamont Lime</td> <td>250</td> <td>+787</td> </tr> <tr> <td>Mulberry</td> <td>372</td> <td>+665</td> </tr> <tr> <td>Drywood</td> <td>752</td> <td>+285</td> </tr> <tr> <td>Rowe</td> <td>788</td> <td>+249</td> </tr> <tr> <td>Mississippi</td> <td>840</td> <td>+197</td> </tr> </tbody> </table>	Log Name	Formation (Top), Depth and Datum	Sample Datum	Altamont Lime	250	+787	Mulberry	372	+665	Drywood	752	+285	Rowe	788	+249	Mississippi	840	+197
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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	4	
Production	7-7/8"	5-1/2"	15.5#	908'	Thick Set	130	8# Gilsonite/sk

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
4	373' - 376'	250 gallons 15% Fe HCl w/1% KCl water.	
4	409' - 411.5'	1 ppg sand 20/40.	
4	474' - 480'		
4	488' - 491'		
4	553.5' - 555.5'		

TUBING RECORD		Size Set At	Packer At	Liner Run	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		2-7/8"	859.55'		
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) <input type="checkbox"/>
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) _____

(If vented, Sumit ACO-18.)

Meritage KCM Exploration, LLC
Petrie Trust 5-12
Section 5-T23S-R22E
Linn County

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Shots Per Foot	Perforation Record	Acid, Fracture, Cement Squeeze Record	Depth
4	564' - 566'	250 gallons 15% FE HCl w/1% KCl water. 1 ppg sand 20/40.	
4	586' - 588'		
4	633' - 637'		
4	648' - 651.5'		
4	675' - 677'		
4	701' - 703'		
4	735' - 737'		
4	753.5' - 755.5'		
4	769' - 771'		
4	774.5' - 776.5'		
4	788.5' - 790.5'		
4	798' - 800'		
4	816' - 819.5'		