

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. _____

10-3-03	10-4-03	10-28-03
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 003-24239-00-00
County: Anderson
_____ - se - SW Sec. 22 Twp. 19 S. R. 19 East West
760 feet from (S) N (circle one) Line of Section
1900 feet from E (W) (circle one) Line of Section

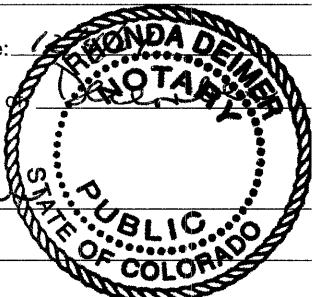
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW SW
Lease Name: Perkins Well #: 22-24
Field Name: FCBCA
Producing Formation: Cherokee Coals
Elevation: Ground: 992' Kelly Bushing: _____
Total Depth: 1220' Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented 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) *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: _____ **DEC 09 2003**
License No.: _____
Quarter _____ Sec. _____ Twp. **CONSERVATION DIVISION** East West
County: _____ Docket No.: **WICHITA, KS**

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: Randa Deime
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: Perkins Well #: 22-24
 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" 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>670</td> <td>+322</td> </tr> <tr> <td>Little Osage Shale</td> <td>749</td> <td>+243</td> </tr> <tr> <td>Fleming</td> <td>895</td> <td>+97</td> </tr> <tr> <td>Scammon</td> <td>932</td> <td>+60</td> </tr> <tr> <td>Rowe</td> <td>1097</td> <td>-105</td> </tr> </tbody> </table>	Log Name	Formation (Top), Depth and Datum	Sample Datum	Mulberry	670	+322	Little Osage Shale	749	+243	Fleming	895	+97	Scammon	932	+60	Rowe	1097	-105
Log Name	Formation (Top), Depth and Datum	Sample Datum																	
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Rowe	1097	-105																	

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#	1211'	Thick Set	165	8# Coal Seal/sk
							1/8# Flocele

ADDITIONAL CEMENTING / SQUEEZE RECORD				RECEIVED KANSAS CORPORATION COMMISSION DEC 09 2003 CONSERVATION DIVISION WICHITA, KS
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	848.5' - 850.5'	Broke down perms with 15% HCl acid.	
4	863.5' - 865.5'	Frac w/ 1,361 bbls water and 26,400#	
4	894.5' - 896.5'	10/20 sand.	
4	907' - 909'		
4	932' - 934'		

TUBING RECORD		Size <u>2-7/8"</u>	Set At <u>1162'</u>	Packer At <u>N/A</u>	Liner Run	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Date of First, Resumed Production, SWD or Enhr. <u>De-watering</u>			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 _____
 (If vented, Sumit ACO-18.) Other (Specify) _____

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DEC 09 2003

CONSERVATION DIVISION
WICHITA, KS

Meritage KCM Exploration, LLC
Perkins 22-24
Section 22-T19S-R19E
Anderson County

Shots Per Foot	Perforation Record	Acid, Fracture, Cement Squeeze Record	Depth
4	1081.5' – 1083.5'	fracture	
4	1097' – 1099'	fracture	
4	1131' – 1133.5'	fracture	
4	1137' – 1140'	fracture	
4	1143' – 1145'	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 KCM EXPLORATION LLC		Well No. 22-24	Lease PERKINS	Loc. 1/4 1/4 1/4	Sec. 22	Twp. 19	Rge. 19E					
County ANDERSON		State KS	Type/Well	Depth 1220'	Hours	Date Started 10-1-03	Date Completed 10-3-03					
Job No.	Casing Used 20' 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.			7 7/8"								
Driller	Hammer No.											

Formation Record

From	To	Formation	From	To	Formation	From	To	Formation	From	To	Formation
0	10	OVERBURDEN	425	428	LIME	1148	1153	SAND			
10	20	LIME	428	429	BLACK SHALE	1153	1160	SANDY SHALE / SHALE			
20	22	SHALE	429	437	LIME	1160	1178	SHALE			
22	46	LIME	437	450	SANDY SHALE	1178	1220	LIME MISSISSIPPI			
46	52	SHALE	450	465	SHALE						
52	60	LIME	465	490	SAND WATER			T.D. 1220'			
60	62	SHALE	490	608	SHALE						
62	78	LIME	508	629	LIME						
78	241	SHALE	629	671	SHALE						
241	268	LIME	671	673	COAL						
268	275	SHALE	673	682	SHALE						
275	278	SANDY SHALE	682	686	LIME						
278	279	COAL	686	702	LIMEY SHALE						
279	286	SANDY SHALE	702	705	LIME						
286	291	LIME	705	723	SHALE						
291	300	RED SHALE	723	740	LIME OSWEGO						
300	330	GREY SHALE	740	806	SHALE						
330	340	LIME	806	815	SAND OIL ODOR						
340	344	BLACK SHALE/GREY SHALE	815	852	SAND / SANDY SHALE						
344	349	LIME	852	996	SHALE						
349	355	SHALE	996	1030	SAND WATER						
355	360	LIME / BROWN SHALE	1030	1035	SANDY SHALE						
360	371	LIME	1035	1054	SAND / SANDY SHALE						
371	372	BLACK SHALE / COAL	1054	1057	COAL						
372	386	LIME	1057	1073	SHALE						
386	389	BLACK SHALE	1073	1075	COAL						
389	394	SHALE	1075	1132	SHALE						
394	397	BLACK SHALE	1132	1134	COAL						
397	399	SHALE	1134	1138	SHALE						
399	420	LIME	1138	1040	COAL						
420	425	BLACK SHALE / COAL	1040	1148	SHALE						

CONSERVATION DIVISION
 WICHITA, KS

DEC 09 2003

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 KANSAS CONSERVATION COMMISSION

OCT 21 2003

BLUE STAR ACID SERVICE, INC.

PO Box 103
Eureka, Kansas 67045

Cementing Ticket
and Invoice Number

No 5009

Date <u>10-6-03</u>	Customer Order No.	Sec.	Twp.	Range	Truck Called Out	On Location <u>10:00 am</u>	Job Began <u>12:00 pm</u>	Job Completed <u>1:30 pm</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>Bookings 22-24</u>		Place		County <u>Anderson</u>		State <u>Kansas</u>		
Depth of Well <u>1220'</u>	Depth of Job <u>1211'</u>	Casing (New) (Used)	Size <u>5 7/8"</u>	Weight <u>19 lb.</u>	Size of Hole Amt. and Kind of Cement <u>16.5 SKS</u>	Cement Left in casing by	Request (Necessity) <u>6</u> feet	
Kind of Job <u>Longstring > PBD 1205'</u>					Drillpipe	(Rotary)	Truck No. <u>#25</u>	

Price Reference No. _____

Price of Job 665.00

Second Stage _____

Mileage N/C

Other Charges _____

Total Charges 665.00

Remarks: Safety Meeting: Rig up to 5 7/8" casing with casing down to 1212'
Rumped 300 lbs. Gel Flurry, Circulate Gel around to Sandstone Hole.
Rig up cement Head, Drillball to tip Jacet. Pumped 18 Bbls Dry water.
Mixed 16.5 SKS Thick Set cement w/ KOL-SEAL 8" P/S & Flocc 1/2" P/SK
(First 80 SKS at 12-5 1/2" P/GAL - Tailend with 85 SKS at 13-4 1/2" P/GAL)
Shut down washout pump & lines - Release Plug
Displace Plug with 28 Bbls Brack water at 2 BPM
Final pumping at 700 PSI - Rumped Plug to 1100 P.S.I
check float - float held - close casing in O.P.S.I.
Good cement returns to surface w/ 10 Bbl slurry = 32 SKS cement
Job complete - Tear down

Cementer Brad Butler

Helper Troy - Jim - Rick

District Eureka

State Kansas

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

[Signature]
Agent of contractor or operator