

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

**CONFIDENTIAL**

**WELL COMPLETION FORM**

**ORIGINAL**

WELL HISTORY DESCRIPTION OF WELL & LEASE

FROM

**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

API No. 15 - 003-24229-00-00  
County: Anderson

       -        - ne - nw Sec. 27 Twp. 19 S. R. 19  East  West  
800 feet from S  (circle one) Line of Section  
1850 feet from E  (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE  NW SW  
Lease Name: Peine Trust Well #: 27-21

Field Name: FCBCA

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. \_\_\_\_\_

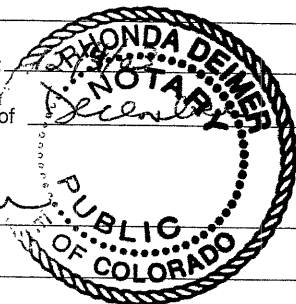
Producing Formation: Cherokee Coals  
Elevation: Ground: 980' Kelly Bushing: \_\_\_\_\_  
Total Depth: 1225' Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 22 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit)  
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_ **RECEIVED**  
Lease Name: \_\_\_\_\_ **KANSAS CORPORATION COMMISSION**  
LicenDEC 09 2003  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_ East West  
County: \_\_\_\_\_ **CONSERVATION DIVISION**  
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: Harold Lucas  
Title: Production MGR Date: \_\_\_\_\_  
Subscribed and sworn to before me this 4th day of December, 2003  
Notary Public: Rhonda Deimer  
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

**CONFIDENTIAL**

Side Two

**ORIGINAL**

Operator Name: Meritage KCM Exploration, LLC Lease Name: Peine Trust Well #: 27-21  
Sec. 27 Twp. 19 S. R. 19  East  West County: Anderson

**RELEASED FROM CONFIDENTIAL**

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of all logs 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:

High Resolution Compensated Density Neutron  
Dual Induction SFL/GR  
Gamma Ray Cement Bond/VDL CCL

Log Name	Formation (Top), Depth and Datum	Sample Datum
Mulberry	658	+322
Little Osage Shale	736	+244
Fleming	871	+109
Scammon	917	+63
Weir Pitt	944	+36

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#	1213'	Thick Set	165	8# Coal Seal/sk
							1/8# Flocele

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	
<input type="checkbox"/> Perforate				<b>RECEIVED</b> <b>KANSAS CORPORATION COMMISSION</b> <b>DEC 09 2003</b> <b>CONSERVATION DIVISION</b> <b>WICHITA, KS</b>
<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	834' - 836'	Broke down perms with 15% HCl acid.	
4	849' - 851'	Frac w/ 1,371 bbls water and 32,000#	
4	870' - 872'	10/20 sand.	
4	878.5' - 880.5'		
4	892.5' - 894.5'		

TUBING RECORD		Size	Set At	Packer At	Liner Run	Yes	<input checked="" type="checkbox"/> No
		2-7/8"	1149'	N/A			
Date of First, Resumed Production, SWD or Enhr.			Producing Method				
De-watering			Flowing	<input checked="" type="checkbox"/> Pumping	Gas Lift		
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, Sumit ACO-18.)

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

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

**KCC**  
**DEC 08 2003**  
**CONFIDENTIAL**

RELEASED  
FROM  
CONFIDENTIAL

RECEIVED  
KANSAS CORPORATION COMMISSION

DEC 09 2003

CONSERVATION DIVISION  
WICHITA, KS

Peine Trust 27-21  
Section 27-T19S-R19E  
Anderson County

Shots Per Foot	Perforation Record	Acid, Fracture, Cement Squeeze Record	Depth
4	917' - 919'	fracture	
4	943' - 945'	fracture	
4	1073.5' - 1075.5'	fracture	
4	1105' - 1107.5'	fracture	
4	1111.5' - 1113.5'	fracture	
4	1116' - 1118'	fracture	

KCC

DEC 08 2003

CONFIDENTIAL

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.8

Operator **MERITAGE KCM EXPLORATION LLC** Well No. **27-21** Lease **PEINE TRUST** Loc. **1/4 1/4 1/4** Sec. **27** Twp. **19** Rge. **19E**

County **ANDERSON** State **KS** Type/Well **1225'** Hours **9-20-03** Date Started **9-22-03** Date Complete

Job No.	Casing Used 22'6" OF 8 5/8"	Bit Record					Coring Record					
		Bit No.	Type	size	From	To	Bit No.	type	Size	From	To	% Rec.
Driller <b>TOOTIE</b>	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	3	OVERBURDEN	409	410	LIME	860	900	SANDY SHALE			
3	22	LIME	410	413	SHALE	900	960	SHALE			
22	44	SHALE	413	420	LIME	960	998	SANDY SHALE / SAND			
44	62	LIME	420	423	SHALE	998	1038	SAND WATER			
62	69	SANDY SHALE	423	427	SAND	1038	1039	COAL			
69	93	SAND	427	432	SANDY SHALE / SHALE	1039	1052	SAND			
93	110	SANDY SHALE	432	450	SHALE	1052	1057	BLACK SHALE / COAL			
110	225	SHALE	450	465	SAND WENT TO WATER	1057	1115	SHALE			
225	248	LIME	465	550	SHALE	1115	1118	COAL			
248	250	BLACK SHALE / COAL	550	560	SANDY SHALE	1118	1155	SHALE			
250	252	LIME	560	591	SHALE / SANDY SHALE	1155	1225	LIME MISSISSIPPI			
252	264	SHALE	591	593	LIME						
264	265	COAL	593	605	SHALE						
265	272	SANDY SHALE	605	612	LIME			T.D. 1225'			
272	277	LIME	612	659	SHALE						
277	291	SANDY SHALE / SHALE	659	662	COAL						
291	298	LIME	662	665	LIME						
298	319	SHALE	665	686	SHALE						
319	326	LIME	686	688	LIME						
326	328	SHALE	688	709	SHALE						
328	333	LIME	705	759	LIMEY SHALE / LIME						
333	342	SHALE	759	761	COAL						
342	345	LIME	761	773	SHALE						
345	360	LIMEY SHALE	773	775	SAND						
360	370	LIME	775	805	SANDY SHALE / SHALE						
370	380	SHALE	805	825	SAND						
380	382	BLACK SHALE / COAL	825	834	SANDY SHALE / SHALE						
382	384	SHALE	834	836	COAL						
384	402	LIME	836	840	SHALE / SANDY SHALE						
402	407	SHALE	840	842	COAL						
407	409	COAL	842	860	SHALE						

16208795751

MOKAT Drilling

Sep 30 03 11:01a

CONFIDENTIAL  
DEC 08 2003  
KCC

CONFIDENTIAL  
RELEASED  
FROM

CONSERVATION DIVISION  
WICHITA, KS

DEC 09 2003

RECEIVED  
KANSAS CORPORATION COMMISSION

Date 9-25-03	Customer Order No.	Secl. 27	Twp. 19	Range 19E	Truck Called Out -	On Location 9:00am	Job Began 12:00pm	Job Completed 2:00pm
Owner Meritage KCM Exploration		Contractor Hurricane Well Serv			Charge To Meritage KCM Exploration			
Mailing Address 115 North Oak		City GARNETT			State KS 66032			
Well No. & Form Faint Trust 27-21		Place Anderson			County Kansas			
Depth of Well 1225'	Depth of Job 1213'	Casing (New) Size 5 1/2" Weight 17lb	Size of Hole Amt. and Kind of Cement 7 1/2" 165SKS		Cement Left in casing by		Request (Necessity) 7' feet	
Kind of Job Logging > P.B.T.D. 1206'		Drillpipe		Rotary (Cable)		Truck No. #25		

Price Reference No. \_\_\_\_\_  
 Price of Job 665.00  
 Second Stage \_\_\_\_\_  
 Mileage 857 191.25  
 Other Charges \_\_\_\_\_  
 Total Charges 856.25

Remarks: Safety Meeting: Rig up to 5 1/2" casing, wash casing down to 1214' well had 30' of fill. Mix 200 lbs Gel with 10 Bbls water. Pumped Gel around to surface to condition hole. Shut down. Rig up Cement Head, Drop ball for Taset. Pumped 18 Bbls Dye water. Mixed 165SKS Thickset cement w/ 8# p/sk of HOI-SEAL and 1/8# p/sk of Floccer (First 80SKS mixed at 12.5# p/gal. Tailend at 13.4# p/gal.) Shut down, washout pump & lines - Release Plug. Displace Plug with 28 Bbls water w/ Biocide. Pump rate 28BPM. Final pumping at 450 PSI - Bumped Plug to 900 PSI. Good cement returns to surface with 10 Bbl slurry = 32 SKS cement. Job complete - Tractor down.

Cementer: Brad Butler  
 Helper: Tony - Jim - John District: Eureka State: Kansas  
 The above job was done under supervision of the owner, operator, or his agent whose signature appears below.  
 x [Signature] Agent of contractor or operator

KCC  
 DEC 08 2003  
 CONFIDENTIAL

RECEIVED  
 KANSAS CORPORATION COMMISSION  
 DEC 09 2003  
 CONSERVATION DIVISION  
 WICHITA, KS

RELEASED  
 FROM  
 CONFIDENTIAL