## 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

Name: Meritage KCM Exploration, LLC Address: 1600 Broadway, Suite 1360  42 _ 12 _ 18 _ 18 _ 18 _ 19 _ 18 _ 19 _ 18 _ 19 _ 20 _ 20 _ 20 _ 20 _ 20 _ 20 _ 20 _ 2	Operator: License #_33138	API No. 15 - 003-24214-00-00
Address: 1600 Broadway, Sulte 1360  City/Statz/in. Deriver, Colorado 60202  Superivers. Deriver, Colorado 60202  Superivers. Deriver, Colorado 60202  Superivers. Deriver, Colorado 60202  Superivers. Service of the superiverse	Name: Meritage KCM Exploration, LLC	
2300   Set from; S / N (circle one) Line of Section	Address: 1600 Broadway, Suite 1360	
Furcineaer:   G60   Set from:   Footages Calculated from Nearest Outside Section Corner:   Grade and   Gastafor Corner:	City/State/Zip: Denver, Colorado 80202	2300 feet from S / N (circle and ) Line of Section
Footages Calculated from Nearest Outside Section Corner:		660 feet from (E) W (sizely and Line of Section
Bhonase (.303_) 8.32-7463  Bontrators: Name: Layne Christensen Canada Ltd  renes:  Well is Recelogist: Larry Weis  Designate Type of Completion:  New Well Re-Entry Wishung  Oil SWD SIOW Temp. Abd.  Gas ENHR SIGW  Dry Cher Core WSW, Expl., Cathodic, etc)  If Workover/Re-entry: Old Well Info as follows:  Unique Security:  Original Comp. Date:  Despaning Re-pert.  Cornv. to Enhr./SWD  Plug Back Total Depth:  Dougla Completion  Docket No.  Dual Completion Docket No.  Other (SWD or Enhr.?)  Docket No.  Other (SWD or Enhr.?)  Docket No.  Dolate Original and two copies of this form shall be filed with the Kanasa Corporation Commission, 130 S. Market - Room 2076, Wichita, Kanasa 67202, within 120 days of the spud date, recompletion Date  pinSTRUCTIONS: An original and two copies of this form shall be filed with the Kanasa Corporation Commission, 130 S. Market - Room 2076, Wichita, Kanasa 67202, within 120 days of the spud date, recompletion 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? I requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully completed with and the statemen herein are complete and correct to the best of my monitorial of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statemen herein are complete and correct to the best of my monitorial of the completion of my monitorial of the promise of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statemen herein are complete and correct to be best of my monitorial requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statemen herein are complete and correct to be been fully formation of the confidential for a prote of 12 months?  KCC Office Use ONLY		
Sentrector: Name: Lavne Christensen Canada Ltd  ysanes:  Welste Geologist: Larry Weis  Designate Type of Completion:  ✓ New Well Re-Entry Without  — Oil SWD SIOW Temp. Abd.  ✓ Gas ENHR SIGW  — Dry Other (Corg) WSW, Expl., Cathodic, etc)  If Workover/Re-entry: Old Well into as follows:  Original Comp. Date:  Original Total Depth:  Original Comp. Date:  Original Comp. Date		
Wellating Geologist: Larry Weis  Designate Type of Completion:  ✓ New Well Re-Entry W6MM/  — Oil SWD SIOW Temp. Abd.  ✓ Gas ENHR SIGW  — Dry ✓ Other (COT) WSW, Expl., Cathodic, etc)  If Workover/Re-entry: Old Well Info as foliows:  Original Comp. Date:  Original		· ·
Wellsite Geologist: Larry Weis		
Designate Type of Completion:  New Well Re-Entry Withdisd Oil SWD SIOW Temp. Abd.  Gas ENHR SIGW Dry Other Cord WSW, Epl., Cathodic, etc) If Workover/Re-entry: Oid Well info as follows:  Original Comp. Date: Original Comp. Date: Original Comp. Date: Original Comp. Date: Plug Back Total Depth: Despening Re-perf. Conv. to Enhr./SWD Plug Back Total Depth: Doket No. Dual Completion Dual Completion Dual Completion Date Reached TD Doket No.  Other (SWD or Enhr.?) Doket No.  12-1-02 12-1-02 12-1-02 Total Depth: Despening Date Reached TD Recompletion Date Recompletion Date  INSTRUCTIONS: An original and two copies of this form shall be filled 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, 82-3-130, 82-3-100 and 82-3-107 apply. Information of side two of this form will be held confidential for a period 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 pluged wells. Submit CP-111 form with all temporarily abandoned wells.  Subscribed and sworn to before me this 4 day of the spud days of the spud days of the section of the statutes, rules and regulations promulgated to regulate the cili and gas industry have been fully complied with and the statementerin are complete and correct to the centrol my trovindedge.  KCC Office Use ONLY  Wireline Log Received		
New Well Re-Entry W&Multiple Stage Cementing Collar Used?   Fee Multiple Stage Cement Cement Collar Used?   Fee Multiple Stage Cement Ceme	Decignate Type of Completions	
Amount of Surface Pipe Set and Cemented at 21 Fe Fe Multiple Stage Cementing Coliar Used?   Yes In Multiple Stage Cementing Coliar Used In Multiple Stage Cementing Coliar Used In Multiple Stage Cementing Coliar In Multiple Stage Cementing Coliar Used In Multiple Stage Cementing Coliar Used In Multiple Stag		
Multiple Stage Cementing Collar Used?		
If yes, show depth set	Gas ENHR SIGW	
If Morkover/Re-entry: Old Well Info as foliows:  Operator:  Well Name:  Driginal Comp. Date:  Original Comp. Date  Orig	Dry Other Core WSW, Expl., Cathodic, etc)	If yes, show depth setFee
Well Name:  Original Comp. Date:OriginalTotal Depth:	if Workover/Re-entry: Old Well info as follows:	If Alternate II completion, cement circulated from 1/99
Well Name:  Original Comp. Date:OriginalTotal Depth:	Operator:	feet depth to w/_ 165 sx cmt
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. Dual Completion Docket No. Other (SWD or Enhr.?) Docket No.  12-1-02 12-5-02 4-17-03 Equipment Date or Recompletion Date or Recompletion Date or Recompletion Date  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 82-3-103, 82-3-105 and 82-3-107 apply. Information of side two of this form will be held confidential for a period 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 statementherein are complete and correct to the best of my knowledge.  KCC Office Use ONLY  Italie: VP Project Development Date:	Well Name:	
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.  Deput Date or Recompletion Date  Plug Back Total Depth  Downtering method used  Location of fluid disposal if hauled offsite:  Operator Name:  Lease Name:  Lease Name:  License No.:  Quarter Sec. Twp. S. R. East We County:  Doket 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 statementherin are complete and correct to the least of my knowledge.  KCC Office Use ONLY  Letter of Confidentiality Attached  If Denied, Yes Date:  Wireline Log Received	Original Comp. Date: Original Total Depth:	Drilling Fluid Management Plan ### 7.15. 32 (Data must be collected from the Reserve Pit)
Dewatering method used  Commingled  Docket No.  Dual Completion  Other (SWD or Enhr.?)  Docket No.  Other (SWD or Enhr.?)  Date Reached TD  Completion Date or Recompletion Date  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 statementherein are complete and correct to the past of my knowledge.  KCC Office Use ONLY  Title: VP Project Development Date:  Wireline Log Received	Deepening Re-perf Conv. to Enhr./SWD	
Dual Completion Docket No. Dual Completion Docket No. Dother (SWD or Enhr.?) Docket No.  12-1-02 Epud Date or Recompletion Date Date Reached TD Date Reached TD Date Reached TD Completion Date    INSTRUCTIONS: An original and two copies of this form shall be filled 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 statement herein are complete and correct to the bast of my knowledge.    KCC Office Use ONLY   Letter of Confidentiality Attached   If Denied, Yes   Date:   Wireline Log Received   W	Plug BackPlug Back Total Depth	
Other (SWD or Enhr.?) Docket No.    12-1-02	Commingled Docket No.	
12-1-02   12-5-02   4-17-03	Dual Completion Docket No	Location of fluid disposal if hauled offsite:
Part	Other (SWD or Enhr.?) Docket No	Operator Name:
Part Project Development Date:    Completion Date   Date Reached TD   Completion Date or Recompletion Date	12-1-02 12-5-02 4-17-09	Lease Name: License No.:
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 statemen herein are complete and correct to the bast of my knowledge.  Signature:  KCC Office Use ONLY  Letter of Confidentiality Attached  If Denied, Yes Date:  Wireline Log Received	Spud Date or Date Reached TD Completion Date or	·
Signature:  Signature:  VP Project Development Date:  Subscribed and sworn to before me this day of day of wireline Log Received  Wireline Log Received	Kansas 67202, within 120 days of the spud date, recompletion, workov Information of side two of this form will be held confidential for a period of 107 for confidentiality in excess of 12 months). One copy of all wireline logs TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells	ver or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply.  12 months if requested in writing and submitted with the form (see rule 82-3-s and geologist well report shall be attached with this form. ALL CEMENTING s. Submit CP-111 form with all temporarily abandoned wells.
Title: VP Project Development Date: 6/24/33  Letter of Confidentiality Attached  If Denied, Yes Date: Wireline Log Received	herein are complete and correct to the best of my knowledge.	ate the oil and gas industry have been fully complied with and the statements
Subscribed and sworn to before me this day of wireline Log Received	Signature:	KCC Office Use ONLY
Subscribed and sworn to before me this 4 day of wireline Log Received	Title: VP Project Development Date: 6/24/33	Letter of Confidentiality Attached
Wireline Log Received	VITA 1	·
198003	<i>(</i> )	,
/ / declouist negatived	Mayor P. X	Geologist Report Received

Date Commission Expires: 4-18-4005

\_\_\_\_\_ UIC Distribution

Operator Name: Meritage KCM Exploration, LLC				C Lease Name: Kueser						
Sec. <u>27</u> Twp	19 s. R. 19	∠ East	West		y: And		· .			
NSTRUCTIONS: Si ested, time tool ope emperature, fluid red Electric Wireline Log	n and closed, flowin covery, and flow rate	g and shut-in s if gas to su	pressures, Irface test, a	whether si long with t	hut-in pre	essure reached	static level, hydro	ostatic pressui	res, bottom hole	
Drill Stem Tests Taken ☐ Yes ✓ No (Attach Additional Sheets)					L	Log Formation (Top), Depth and Datum Sample				
•	Yes	✓ No		Nam	е		Тор	Datum		
Samples Sent to Geological Survey  Cores Taken			Yes No		Alta	mont Lime		610	+393	
Electric Log Run (Submit Copy)		✓ Yes	No		Mult	perry		662	+341	
ist All E. Logs Run:					Exce	ello Shale		767	+236	
High Resolution Compensated Density Ne Dual Induction SFL/GR			utron		Bevier			840	+163	
Gamma Ray Ce	•	CCL			Sca	mmon		899	+104	
		Report a	CASING I		✓ Ne	w Used ermediate, product	ion, etc.			
Purpose of String	Size Hole Drilled		Casing n 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	, addition	
Production	7-7/8"	7-7/8" 5-1/2"		15.5#		1199'	Thick Set	165	8# Gilsonite/sk	
			ADDITIONAL	CEMENTI	ING / SOI	JEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement		#Sacks Used		Type and Percent Additives				
Protect Casing Plug Back TD Plug Off Zone							***************************************			
Shots Per Foot	PERFORAT	ION RECORD	- Bridge Plug	s Set/Type	)	Acid, Frad	cture, Shot, Cemen	t Squeeze Reco	rd	
	Specify Footage of Each Interval Perforated					(Amount and Kind of Material Used) Depth				
4	1046' - 1047'					250 gallons 15% Fe HCi w/1% KCl water.				
4	1065' - 1067'					1 ppg sand 20/40.				
4	1073.5' - 1075.5' 1085.5' - 1087.5'									
4	1118.5' - 1122.								,	
TUBING RECORD Size Set At Packer At						Liner Run				
	7/8"	1136'					Yes No	· · · · · · · · · · · · · · · · · · ·		
Date of First, Hesumed De-watering	Production, SWD or E	nnr. P	roducing Meth	od	Flowin	g 🗸 Pumpir	ng Gas Li	ft Oth	er (Explain)	
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Wate	er B	bis. C	Sas-Oil Ratio	Gravity	
Disposition of Gas	METHOD OF COMPLETION					Production Interval				
Vented Sold	Used on Lease	· -	Open Hole	Perf	f. [	Dually Comp.	Commingled _		· · · · · · · · · · · · · · · · · · ·	