

Confid	entiali	ty Requested:
Yes		No

Kansas Corporation Commission Oil & Gas Conservation Division

1184541

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from _ East / _ West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxxx) (e.gxxx.xxxxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
☐ New Well ☐ Re-Entry ☐ Workover	Field Name:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.): If Workover/Re-entry: Old Well Info as follows:	Producing Formation: Kelly Bushing: Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name: Original Total Depth: Original Total Depth:	feet depth to: w/ sx cmt. Drilling Fluid Management Plan
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)
Commingled Permit #: Dual Completion Permit #:	Chloride content: ppm Fluid volume: bbls Dewatering method used:
☐ SWD Permit #:	Location of fluid disposal if hauled offsite:
ENHR Permit #:	Operator Name:
GSW Permit #:	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	Quarter Sec. Twp. S. R. East West County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY					
Confidentiality Requested					
Date:					
Confidential Release Date:					
Wireline Log Received					
Geologist Report Received					
UIC Distribution					
ALT I II III Approved by: Date:					

Page Two



Operator Name:			L	ease Name: _	Well #:			
Sec Twp	S. R	East We	est C	County:				
INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to	ring and shut-in pres	sures, whether sh	ut-in pressur	e reached stati	c level, hydrosta	tic pressures, bott		
Final Radioactivity Lo files must be submitted					gs must be ema	iled to kcc-well-log	gs@kcc.ks.go	. Digital electronic log
Drill Stem Tests Taker (Attach Additional		Yes	No	L		n (Top), Depth an		Sample
Samples Sent to Geo	logical Survey	Yes	No	Nam	е		Тор	Datum
Cores Taken Electric Log Run		Yes Yes	No No					
List All E. Logs Run:								
		(CASING REC	ORD Ne	w Used			
		· ·		ıctor, surface, inte	ermediate, producti		T	
Purpose of String	Size Hole Drilled	Size Casin Set (In O.D		Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
		ADD	ITIONAL CEN	MENTING / SQL	JEEZE RECORD			
Purpose:	Depth Top Bottom	Type of Cem	ent #	Sacks Used		Type and Pe	ercent Additives	
Perforate Protect Casing	100 20111111							
Plug Back TD Plug Off Zone								
1 lag on zono								
Did you perform a hydrau	ulic fracturing treatment	on this well?			Yes	No (If No, ski)	o questions 2 ar	nd 3)
Does the volume of the to		•				_	o question 3)	(" 100 ")
Was the hydraulic fractur	ing treatment information	on submitted to the c	hemical disclo	sure registry?	Yes	No (If No, fill o	out Page Three	of the ACO-1)
Shots Per Foot		ION RECORD - Bri Footage of Each Int				cture, Shot, Cement		d Depth
	, ,				,		,	
TUBING RECORD:	Size:	Set At:	Pa	acker At:	Liner Run:			
						Yes No		
Date of First, Resumed	Production, SWD or Ef		cing Method: owing	Pumping	Gas Lift C	ther <i>(Explain)</i>		
Estimated Production Per 24 Hours	Oil	Bbls. G	as Mcf	Wate	er Bl	ols. G	ias-Oil Ratio	Gravity
DIODOCITI	ON OF CAS:		, 4 CT - 1		TION:		DRODUCTIO	AN INTEDVAL.
Vented Solo	ON OF GAS: Used on Lease	Open Ho		IOD OF COMPLE \Box		nmingled	PHODUCIIC	ON INTERVAL:
	bmit ACO-18.)	Other (S	necify)	(Submit		mit ACO-4)		

Form	ACO1 - Well Completion
Operator	Mustang Energy Corporation
Well Name	Dechant Unit 1
Doc ID	1184541

Tops

Name	Тор	Datum
Anhydrite	1473	+766
B-Anhydrite	1507	+732
Heebner	3734	-1495
LKC	3782	-1543
ВКС	4102	-1863
Pawnee	4212	-1973
FT Scott	4295	-2056
Cherokee	4318	-2079
Mississippian	4381	-2142

Form	ACO1 - Well Completion
Operator	Mustang Energy Corporation
Well Name	Dechant Unit 1
Doc ID	1184541

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement		Type and Percent Additives
Surface Pipe	.2500	.6250	23	218	Common	150	2%Gel&3 %CC
Production String	.8750	4.5	11.6	4389	Common	130	10%salt- 5%Gilsonit e

QUALITY JILWELL CEME JTING, INC. Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Cell 785-324-1041	atem reh	Iome Office	P.O. B	ox 32 Rus	ssell, KS 67665	No. The front of the front of the charter of the ch	party identified by tract, "merchandle	
Sec. 17 -12 -13	Twp. 20	Range	-	County	State	On Location	Finish 11:45PM	
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QUALITY JILWELL CEME ITING, INC. Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Cell 785-324-1041	Feder Home Office		32 Rus	sell, KS 67665	in frese terms and No. New on the honte of refere to the mate	7027
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SWIFT Services, Inc. DATE 2-7-14 PAGE NO. JOB LOG TICKET NO. 25264 CUSTOMER WELL NO. LEASE Dechant Unit JOBTYPE POTT Collar Mustary Energy VOLUME (BBL) DESCRIPTION OF OPERATION AND MATERIALS 1245 or location locate Post Lollar 1545' Pressure test Itald 1420 ofen Port Coller Injection Rate 700 1435 700 Start Cement Fact Circulation 14 4 Circulate Cenent 600 in Bring up weight to 14.5#/991 200 105 Start Displacement Close Port Collar Pressure test 1510 Run 6 Soins Merorse out Clean 2 flags 1515 500 20 1530 wish up Rack UP mited 200 SKS SMO Circulated 20 sks to Pit 1615 Job complex Josh, Brian, Craig



CHARGE TO:

M V STEMY E ARCYY

CITY. STATE, ZIP CODE

SERVICE LOCATIONS REFERRAL LOCATION Mess City by TICKET TYPE CONTRACTOR Hz45K Inc. WELL/PROJECT NO. **INVOICE INSTRUCTIONS** WELL TYPE WELL CATEGORY Dechant acie of ment Unit JOB PURPOSE Post Collar RIG NAME/NO COUNTY/PARISH Ness STATE VIA CT Cocc +17 5 CITY WELL PERMIT NO. WELL LOCATION ORDER NO. 1-7-14 Bazne Ks, 85 PAGE OWNER EW NINE 유

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SWIFT OPERATOR

DATE SIGNED

h-2-1

TIME SIGNED

A.M.

NESS CITY, KS 67560

ARE YOU SATISFIED WITH OUR SERVICE?

CUSTOMER DID NOT WISH TO RESPOND

TOTAL

6529140

Thank You!

PERFORMED WITHOUT DELAY?
WE OPERATED THE EQUIPMENT
AND PERFORMED JOB
CALCULATIONS

240 40

785-798-2300

P.O. BOX 466

1230

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket

APPROVAL

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

Geological Report

Mustang Energy Corporation

Dechant Unit #1

330' FSL & 2540' FEL

Sec. 1 T20s R22w

Ness County, Kansas



Mustang Energy Corporation

General Data

Well Data:

Mustang Energy Corporation

Dechant Unit #1

330' FSL & 2540' FEL Sec. 1 T20s R22w Ness County, Kansas API # 15-135-25697-0000

Drilling Contractor:

Discovery Drilling Co. Inc. Rig #3

Geologist:

Jason T Alm

Spud Date:

December 4, 2013

Completion Date:

December 12, 2013

Elevation:

2231' Ground Level 2239' Kelly Bushing

Directions:

Bazine KS, at the intersection of Hwy 96 and

Austin St. South 8 mi. to 50 Rd. West 1/2 mi. North

into location.

Casing:

218' 8 5/8" surface casing

4389' 4 1/2" production casing

Samples:

10' wet and dry, 3900' to RTD

Drilling Time:

3600' to RTD

Electric Logs:

Nabors Wireline "Ian Mabb"

RAG

Drillstem Tests:

Three, Trilobite Testing, Inc. "Tim Phillips,

Brannan Lonsdale"

Problems:

None

Remarks:

None

Formation Tops

	Mustang Energy Corporation
	Dechant Unit #1
	Sec. 1 T20s R22w
Formation	330' FSL & 2540' FEL
Anhydrite	1473', +766
Base	1507', +732
Heebner	3734', -1495
Lansing	3782', -1543
BKc	4102', -1863
Pawnee	4212', -1973
Fort Scott	4295', -2056
Cherokee	4318', -2079
Mississippian	4381', -2142
LTD	4390', -2151
RTD	4389', -2150

Sample Zone Descriptions

Fort Scott

(4295', -2056):

Covered in DST #1

Ls – Fine crystalline with poor to fair inter-crystalline porosity, light to fair oil stain and spotted saturation, fair show of free oil, light odor, good yellow fluorscents.

Mississippian Osage (4381', -2142):

Covered in DST #2,3

Dolo – Δ – Fine sucrosic crystalline with poor to fair intercrystalline and slightly vuggy porosity, very heavy triptolic chert, weathered with good vuggy porosity, light to good oil stain with scattered saturation, good show of free oil, good odor, bright

yellow spotted fluorescents.

Drill Stem Tests

Trilobite Testing, Inc.
"Tim Phillips, Brannan Lonsdale"

DST #1	Fort Scott						
	Interval (4296' – 4315') Anchor Length 19'						
	IHP -2174 #						
	IFP -30 " – Built to 3 in.	17-18 #					
	ISI – 30" – Dead	147#					
	FFP -30 " – Built to 5 in.	16-19 #					
	FSI – 30" – Dead	137 #					
	FHP -2127#						
	BHT −107°F						
	D 501 CID						
	Recovery: 50' GIP						
	15' SOCM 10% Oil						
DST #2	Mississippian Osage						
DS1 #2	Interval (4337' – 4383') Anchor Length 46'						
	IHP -2187 #						
	IFP -45 " – Built to 8 in.	21-40 #					
	ISI -60" - Dead	1323 #					
	FFP -45" - Built to 8 ¼ in.	38-58 #					
	FSI -60 " – Built to ½ in.						
	FSI - 60" - Built to ½ in. 1313 # FHP - 2140 #						
	BHT -111°F						
	D 001 GID						
	Recovery: 93' GIP						
	60' CO						
	30' SOCM 10% Oil						
DST #3 Mississippian Osage							
DSI #3	Interval (4383' – 4389') Anchor Length 6'						
	IHP -2210#						
	IFP -30 " – Built to 2 in.	22-21 #					
	ISI -30" - Dead	1233 #					
	FFP -30 " – Built to 1 in.	23-23 #					
	FSI -30"-Dead	506#					
	FHP -2167 #						
	BHT -107°F						

Recovery:

5' CO 20' Mud

4

Structural Comparison

	Mustang Energy Corporation	Dreiling LTD	Vincent Oil Corp.		
•	Dechant Unit #1	Dechant #1	O'Brien #2		
	Sec. 1 T20s R22w	Sec. 1 T20s R22w	Sec. 12 T20s R22w		
Formation	330' FSL & 2540' FEL	330' FSL & 2000' FEL	4722' FSL & 3198' FEL		
Anhydrite	1473', +766	1460', +769	(-3)	1479', +765	(+1)
Base	1507', +732	1494', +735	(-3)	1514', +730	(+2)
Heebner	3734', -1495	3723', -1494	(-1)	3735', -1491	(-4)
Lansing	3782', -1543	3769', -1540	(-3)	3781', -1537	(-6)
BKc	4102', -1863	NA	NA	NA	NA
Pawnee	4212', -1973	4198', -1969	(-4)	NA	NA
Fort Scott	4295', -2056	4280', -2051	(-5)	4300', -2056	FL
Cherokee	4318', -2079	4304', -2075	(-4)	4322', -2078	(-1)
Mississippian	4381', -2142	4367', -2038	(-4)	4389', -2145	(+3)

Summary

The location for the Dechant Unit #1 was found via 3-D seismic survey. The new well ran slightly lower structurally than expected via the survey. Three drill stem tests were conducted, one of which recovered commercial amounts of oil from the Mississippian Osage Formation. After all gathered data had been examined the decision was made to run 4 ½ in. production casing to further evaluate the Dechant Unit #1 well.

Recommended Perforations

Mississippian Osage:

(4381' - 4389')

DST #2,3

Respectfully Submitted,

Jason T Alm

Hard Rock Consulting, Inc.