



KANSAS CORPORATION COMMISSION 1107460
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5263
Name: Midwestern Exploration Company
Address 1: 3500 S BOULEVARD STE 2B
Address 2: _____
City: EDMOND State: OK Zip: 73013 + 5487
Contact Person: Dale J. Lollar
Phone: (405) 340-4300
CONTRACTOR: License # 5929
Name: Duke Drilling Co., Inc.
Wellsite Geologist: Tom Williams
Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- 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:

Operator: _____
Well Name: _____
Original Comp. Date: _____ Original Total Depth: _____
 Deepening Re-perf. Conv. to ENHR Conv. to SWD
 Conv. to GSW
 Plug Back: _____ Plug Back Total Depth _____
 Commingled Permit #: _____
 Dual Completion Permit #: _____
 SWD Permit #: _____
 ENHR Permit #: _____
 GSW Permit #: _____
10/15/2012 10/25/2012 12/04/2012
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-189-22786-00-00
Spot Description: _____
NW SE NW SE Sec. 10 Twp. 35 S. R. 35 East West
1856 Feet from North / South Line of Section
1920 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Stevens
Lease Name: Merrily Well #: 4-10
Field Name: Gooch
Producing Formation: none
Elevation: Ground: 2976 Kelly Bushing: 2989
Total Depth: 6800 Plug Back Total Depth: 6620
Amount of Surface Pipe Set and Cemented at: 1654 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: 0 ppm Fluid volume: 0 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License #: _____
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

- Letter of Confidentiality Received
Date: _____
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Deanna Garrison Date: 01/24/2013



1107460

Operator Name: Midwestern Exploration Company Lease Name: Merriloy Well #: 4-10
 Sec. 10 Twp. 35 S. R. 35 East West County: Stevens

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 complete copy of all Electric Wire-line 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 Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Attached	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Attached Attached Attached
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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
Attached	Attached	Attached	Attached	Attached	Attached	Attached	Attached

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
6	6568-6576	ACD/1000 gal 7 1/2% FEFE	
		Frac/219 Bbl	
		379,999 Scf N2, 22000# SN	
		65 Q-N2 foam frac	

TUBING RECORD:		Size: <u>n/a</u>	Set At: <u>n/a</u>	Packer At: <u>n/a</u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.			Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input checked="" type="checkbox"/> Other (Explain) <u>Swabbing</u>		
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	0	24		

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input checked="" type="checkbox"/> Other (Specify) <u>Prepare to Plug</u>	PRODUCTION INTERVAL: <u>6568-6576</u>
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Well Name	Merriloy 4-10
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All Electric Logs Run


Dual Induction/SP/GR
Compensated Neutron-Density/GR
Microlog/GR
Sonic Log/GR

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Tops

Zone	Top	Bottom
Base Heebner	4354	(-1367)
Toronto Lime	4363	(-1376)
Lansing Lime	4465	(-1478)
Kansas City	4868	(-1881)
Marmaton Lime	5205	(-2218)
Cherokee Shale	5595	(-2608)
Lower Atoka Lime	5899	(-2912)
Morrow Shale	5934	(-2847)
Lower Morrow Lime	6233	(-3246)
Chester C Lime	6309	(-3322)
Ste Genevieve	6636	(-3649)
St. Louis	6704	(-3717)

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Casing

Purpose of String	Length (ft)	Size of Casing (in)	Weight (lb/ft)	Setting Depth (ft)	Type of Cement	Volume of Cement (cu ft)	Used and Percent Additives
Conductor	30	20	65	80	Grout	10	
Surface	12.25	8.625	24	1654	Class A	400	3%CC, 1/4# flocele
Surface	12.25	8.625	24	1654	Class C	150	2% CC
Production	7.875	5.5	15.5	6690	ACS	200	5# Gilsonite, 1/4# flocele

SouthWest Acid Services, LLC

TREATMENT REPORT

Customer <i>Midwestern Exploration</i>		Lease Name <i>Merry Lou</i>	
Date <i>11/20/12</i>		Well # <i>4-10</i>	
Ticket # _____		Formation _____	
Casing <i>5 1/2</i>		Tubing <i>2 3/8</i>	
Job Type <i>Acid Ballant</i>		County & State <i>Stevens Ks</i>	
Customer <i>Billy Daugherty</i>		Fluids	
Treator <i>Kris Thomas</i>		Acid	Type
Driver <i>Jacob Day</i>		<i>7 1/2</i>	<i>NEFF</i>
Truck <i>3-3T</i>		Flush	Type
		<i>4%</i>	<i>KCL</i>
Volume		Volume	
<i>1000</i>		<i>36661</i>	
Max PSI		Treatment Resume	
From _____ To _____		Rate	Pressure
Well Connection		Annulus Volume	ISIP
From _____ To _____		Max <i>3.1</i>	<i>1850</i>
Plug Depth		Min <i>5</i>	<i>VAC</i>
Packer Depth <i>6536</i>		Avg <i>2.7</i>	<i>1775</i>
N2 Volume		Total Load <i>50.53</i>	

Time	Casing Pressure	Tubing Pressure	Bbl Pumped	Rate	Jog Log
<i>0830</i>					<i>Arrive on location</i>
<i>0840</i>					<i>Rig up</i>
<i>0857</i>					<i>Go down tubing with acid balls</i>
<i>0904</i>		<i>9#</i>	<i>15</i>	<i>2.6</i>	<i>Pumping</i>
<i>0907</i>		<i>7</i>	<i>23</i>	<i>2.6</i>	<i>On Flush</i>
<i>0908</i>		<i>1200</i>	<i>No. 6</i>	<i>2.6</i>	<i>Tubing loaded</i>
<i>0914</i>		<i>1848</i>	<i>44.2</i>	<i>2.7</i>	<i>Pumping</i>
<i>0917</i>		<i>600</i>	<i>50.53</i>	<i>0.0</i>	<i>Shutdown</i>
<i>0922</i>		<i>VAC</i>			<i>5 min vac</i>
<i>0928</i>					<i>Rig Down</i>
					<i>Total load 50.53661</i>
					<i>Thanks for Calling</i>
					<i>SouthWest Acid Services</i>
					<i>Kris/ Jacob</i>

BASIC

energy services, L.P.

TREATMENT REPORT

Customer Midwestern Exploration	Lease No.	Date 11-26-12
Lease MERR 104	Well # 4-10	
Field Order # 3331 A	Station 1717	Casing 5 1/2
Type Job N2 Foam Frac ProPac 2000	Formation CHESTER Sand	Legal Description 10-355-35
	Depth	County STEVENS
		State Ks

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
5 1/2							3616	
Depth 6576	Depth	From	To	Pre Pad ProPac 2000	Max 12.4	3616	5 Min. 3565	
Volume 156.51	Volume	From	To	Pad 600 gal 60 G	Min 12.5	1897	10 Min. 3557	
Max Press 3500	Max Press	From	To	Frac 1150 gal 60 G	Avg 12.7	2650	15 Min. 3550	
Well Connection 2	Annulus Vol.	From	To	ProPac 2000	HHP Used		Annulus Pressure	
Plog Depth	Packer Depth	From	To	Flush 330 gal 60 G	Gas Volume 330 gal	ProPac 200	Total Load 241	

Customer Representative 311	Station Manager Steve Bennett	Treater Juan T. Sosa
Service Units 71183 39378 14376 30325 12945 70230 70192 12978 70330		137 gals
Driver Names TAM JMO GREG EVERE JMG Hector Carlos		total

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7:00					called out
					on loc w/ truck's & hold SAFETY MITG
					Rig up to Well
10:13	3800				Prime up PSI TEST LINES
10:14	43			6.0	START 6000 gal Pro 1/2 RATE
10:20	1489		13		LOWCO
10:20	1387		17	12.6	EST RATE
10:29	3521		57	12.7	START 2000 GAL 1" 20/40
10:34	3060		77	12.9	START 3000 GAL 1 1/2" 20/40
10:38	2950		108	12.9	START 3000 GAL 2" 20/40
10:41	2771		122	12.7	1" 20/40 on Bottom
10:44	2612		139	12.5	START 2000 GAL 2 1/2" 20/40
10:44	2737		140	12.5	1 1/2" 20/40 on Bottom
10:47	2577		160	12.7	START 1500 GAL 3" 16/30 RC
10:49	2665		171	12.7	2" 20/40 on Bottom
10:51	2551		183	12.7	START Flush
10:55	2653		222	12.9	2 1/2" 20/40 on Bottom
11:00	2817		223	12.8	3" 16/30 RC on Bottom
11:04	3616		241		START DOWN
	3616				ISIP
11:09	3565			5	10 mins top JUAN
11:14	3557			10	LEGAL PERM CAMP