



KANSAS CORPORATION COMMISSION 1055105  
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, President  
Phone: ( 405 ) 340-4300  
CONTRACTOR: License # 33793  
Name: H2 Drilling LLC  
Wellsite Geologist: Tom Williams  
Purchaser: Valero Marketing and Supply Co.

Designate Type of Completion:  
 New Well     Re-Entry     Workover  
 Oil     WSW     SWD     SLOW  
 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 #: \_\_\_\_\_

<u>10/14/2010</u>	<u>10/28/2010</u>	<u>3/22/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-189-22753-00-00

Spot Description: \_\_\_\_\_  
SE SE NE Sec. 14 Twp. 35 S. R. 35  East  West  
2,310 Feet from  North /  South Line of Section  
330 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW

County: Stevens  
Lease Name: MARIAN Well #: 2-14

Field Name: Wide Awake  
Producing Formation: Basal Chester

Elevation: Ground: 2951 Kelly Bushing: 2963

Total Depth: 6770 Plug Back Total Depth: 6692

Amount of Surface Pipe Set and Cemented at: 1648 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: 1100 ppm Fluid volume: 1400 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 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 Gannon Date: 05/12/2011



1055105

Operator Name: Midwestern Exploration Company Lease Name: MARIAN Well #: 2-14  
 Sec. 14 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 (Attach Additional Sheets)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name Attached	Top Attached	Datum Attached
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Submitted Electronically (If no, Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				
Microlog/GR Dual Induction/GR/SP Compensation Neutron-Density/GR				

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
Conductor	30	20	65	42	Grout	40	
Surface	12.250	8.625	23	1648	Class A	525	3%CC-2%Gyp-1/4Floclele
Production	7.8750	4.50	10.5	6739	Common ASC	250	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ 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	6620-6636	Acid/1750 gal 7 1/2 NEFE	
		Sand Frac-21250#, Sand 20/40-27000#	
		Sand 16/30-15000# 560 Mscf N2	

TUBING RECORD:	Size: <u>2 3/8</u>	Set At: <u>6638</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>3/22/2011</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls. <u>24</u>	Gas Mcf <u>0</u>	Water Bbls. <u>51</u>	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. (Submit ACO-5) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Midwestern Exploration Company
Well Name	MARIAN 2-14
Doc ID	1055105

Tops

Base Heebner Shale	4352	-1389
Toronto	4361	-1398
Marmaton	5401	-2436
Cherokee Shale	5627	-2664
Morrow Shale	5955	-2992
Mississippian Chester	6346	-3383
STE Genevieve	6689	-3726
St. Louis	6760	-3797

# ALLIED CEMENTING CO., LLC. 30834

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
*Liberal KS.*

DATE <i>10-17-10</i>	SEC. <i>14</i>	TWP. <i>35S</i>	RANGE <i>35W</i>	CALLED OUT	ON LOCATION	JOB START <i>8:45AM</i>	JOB FINISH <i>9:45AM</i>
LEASE <i>Mojave</i>		WELL# <i>2-14</i>	LOCATION <i>Vec Tyson OK</i>			COUNTY <i>Stevens</i>	STATE <i>KS.</i>
OLD OR <input checked="" type="checkbox"/> NEW (Circle one)							

CONTRACTOR *H2 Drilling* OWNER \_\_\_\_\_

TYPE OF JOB *Surface*

HOLE SIZE *12 1/4* T.D. *1650*

CASING SIZE *8 5/8* DEPTH *1651*

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX *1000* MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT *42.33*

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS. \_\_\_\_\_

DISPLACEMENT *103.5*

EQUIPMENT

PUMP TRUCK CEMENTER *Kenney*

#*487-470* HELPER *Kenney*

BULK TRUCK

#*472-467* DRIVER *Jose*

BULK TRUCK

#*495-468* DRIVER *David*

CEMENT

AMOUNT ORDERED *375<sup>SK</sup> Class A 3" CC 2" Gyp 2"*  
*Metsohadi 1/4" Floe. / 150 Class A 3" CC 1/2" #2*  
*400<sup>SK</sup> Class A Neat*

COMMON	<i>925</i>	@	<i>15.45</i>	<i>14291.25</i>
POZMIX		@		
GEL		@		
CHLORIDE	<i>18</i>	@	<i>58.20</i>	<i>1047.60</i>
ASC		@		
<i>Gyp Seal</i>	<i>7</i>	@	<i>29.20</i>	<i>204.40</i>
<i>Sodium Metasilicate</i>	<i>105</i>	@	<i>2.45</i>	<i>1722.75</i>
<i>Floerol</i>	<i>131</i>	@	<i>2.50</i>	<i>327.50</i>
		@		
		@		
		@		
		@		
		@		
HANDLING	<i>970</i>	@	<i>2.40</i>	<i>2928.00</i>
MILEAGE				<i>2910.00</i>
				TOTAL <i>23431.00</i>

REMARKS:

*THANK YOU!!!*

*Lost Circulation & Pumped additional 400SK Class A Neat Cement.*

SERVICE

DEPTH OF JOB			<i>1650</i>
PUMP TRUCK CHARGE			<i>2011.00</i>
EXTRA FOOTAGE	@		
MILEAGE	<i>30</i>	@	<i>7.00</i> <i>210.00</i>
MANIFOLD	<i>1</i>	@	<i>113</i> <i>113.00</i>
		@	
		@	

CHARGE TO: *Midwestern Exploration*

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

TOTAL *2334.00*

PLUG & FLOAT EQUIPMENT

<i>Guide Shoe</i>	<i>1</i>	@	<i>258.00</i>	<i>258.00</i>
<i>AFU Invert</i>	<i>1</i>	@	<i>158.00</i>	<i>158.00</i>
<i>Centralizer</i>	<i>4</i>	@	<i>49.00</i>	<i>196.00</i>
<i>Basket</i>	<i>1</i>	@	<i>221.00</i>	<i>221.00</i>
<i>Top Rubber Plug</i>	<i>1</i>	@	<i>74.00</i>	<i>74.00</i>
				TOTAL <i>907.00</i>

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES ~~2334.00~~ \_\_\_\_\_

DISCOUNT ~~\_\_\_\_\_~~ IF PAID IN 30 DAYS

PRINTED NAME \_\_\_\_\_

SIGNATURE *Billy Dougherty*

# ALLIED CEMENTING CO., LLC. 30841

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Liberal KS

DATE <u>10-29-10</u>	SEC. <u>14</u>	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START <u>5:30 PM</u>	JOB FINISH <u>6:30 PM</u>
LEASE <u>Marian</u>		WELL # <u>2-14</u>		LOCATION <u>Vec Tyrone OK</u>		COUNTY <u>Stevens</u>	STATE <u>KS</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR H<sub>2</sub> Drilling  
 TYPE OF JOB Production  
 HOLE SIZE 7 7/8 T.D. 6720  
 CASING SIZE 4 1/2 DEPTH 6741.58  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX MINIMUM  
 MEAS. LINE SHOE JOINT 38.72  
 CEMENT LEFT IN CSG.  
 PERFS.  
 DISPLACEMENT 106.6  
 EQUIPMENT

OWNER  
 CEMENT  
 AMOUNT ORDERED Lead - 50<sup>sq</sup> Class A  
Scavenger / Tail - 250<sup>sq</sup> ASC  
6" gyrene, 10" salt, 22 gal 5" Kol. 5 FH10  
 COMMON 50 @ 15.45 772.50  
 POZMIX @  
 GEL @  
 CHLORIDE @  
 ASC 250 @ 18.60 4650.00  
Kol Seal 1250 @ .89 1112.50  
FI-160 118 @ 13.30 1569.40  
 @  
Mud Flush 420 @ 1.27 533.40  
 @  
 @  
 @  
 @  
 HANDLING 377 @ 2.40 904.80  
 MILEAGE 1131.00  
 TOTAL 10,673.60

PUMP TRUCK CEMENTER Kenny  
 # 470-487 HELPER Cesar  
 BULK TRUCK  
 # 457-251 DRIVER Jose  
 BULK TRUCK  
 # DRIVER

REMARKS:  
THANK YOU!!!

SERVICE  
 DEPTH OF JOB 6720.00  
 PUMP TRUCK CHARGE 2884.00  
 EXTRA FOOTAGE @  
 MILEAGE 30 @ 7.00 210.00  
 MANIFOLD 1 @ 113 113.00  
 @  
 @  
 TOTAL 3207.00

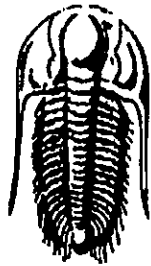
CHARGE TO: Midwestern Exploration  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT  
AFLU Float Shoe 1 @ 206 206.00  
Centralizers 18 @ 32 576.00  
Baskets 1 @ 147 147.00  
Latchdown Aug 1 @ 144 144.00  
Thread Lock 1 @ 34 34.00  
 TOTAL 1107.00

To Allied Cementing Co., LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES [Signature]  
 DISCOUNT [Signature] IF PAID IN 30 DAYS

PRINTED NAME \_\_\_\_\_  
 SIGNATURE Billy Dang [Signature]



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Midwestern Exploration**

3500 S Boulevard Suite 2B Edmond OK  
73013+5487

ATTN: Tom Williams

**14-35-35 Stevens,KS**

**Marian 2-14**

Start Date: 2010.10.27 @ 08:30:00

End Date: 2010.10.27 @ 19:02:19

Job Ticket #: 40293                      DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Midwestern Exploration

Marian 2-14

14-35-35 Stevens,KS

DST # 1

Chester Sand

2010.10.27



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Midwestern Exploration  
3500 S Boulevard Suite 2B Edmond OK  
73013+5487  
ATTN: Tom Williams

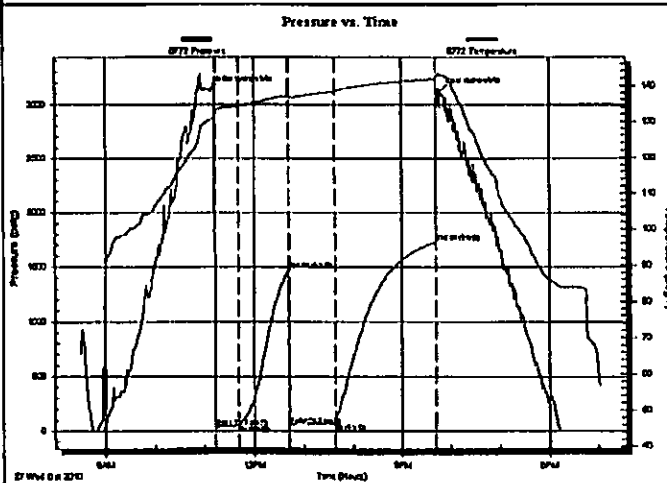
Marian 2-14  
14-35-35 Stevens, KS  
Job Ticket: 40293      DST#: 1  
Test Start: 2010.10.27 @ 08:30:00

### GENERAL INFORMATION:

Formation: **Chester Sand**  
 Deviated: **No Whipstock**      ft (KB)  
 Test Type: **Conventional Bottom Hole**  
 Time Tool Opened: **11:13:05**  
 Tester: **Harley Davidson**  
 Time Test Ended: **19:02:19**  
 Unit No: **33**  
 Interval: **6580.00 ft (KB) To 6640.00 ft (KB) (TVD)**  
 Reference Elevations: **2963.00 ft (KB)**  
 Total Depth: **6640.00 ft (KB) (TVD)**  
 2952.00 ft (CF)  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
 KB to GR/CF: **11.00 ft**

Serial #: **6772**      inside  
 Press@RunDepth: **74.36 psig @ 6582.00 ft (KB)**      Capacity: **8000.00 psig**  
 Start Date: **2010.10.27**      End Date: **2010.10.27**      Last Calib.: **2010.10.27**  
 Start Time: **08:30:05**      End Time: **19:02:20**      Time On Blmt: **2010.10.27 @ 11:07:25**  
 Time Off Blm: **2010.10.27 @ 15:47:24**

TEST COMMENT: IF- Good building blow 14min. BOB.  
 IS- No blow back.  
 FF- Good building blow 7min. BOB.  
 FS- No blow back.



### PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	3130.77	130.38	Initial Hydro-static
6	37.43	132.58	Open To Flow (1)
34	52.05	134.20	Shut-in(1)
94	1471.44	137.07	End Shut-in(1)
95	51.02	136.50	Open To Flow (2)
151	74.36	138.35	Shut-in(2)
275	1730.62	141.71	End Shut-in(2)
280	3125.25	142.87	Final Hydro-static

### Recovery

Length (ft)	Description	Volume (bbl)
0.00	600 GIP	0.00
110.00	5% oil 5% gas 90% mud	0.54

### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Midwestern Exploration  
3500 S Boulevard Suite 2B Edmond OK  
73013+5487  
ATTN: Tom Williams

Marian 2-14  
14-35-35 Stevens, KS  
Job Ticket: 40293      DST#: 1  
Test Start: 2010.10.27 @ 08:30:00

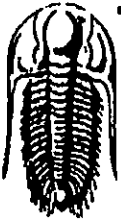
**Tool Information**

Drill Pipe:	Length: 5904.00 ft	Diameter: 3.80 inches	Volume: 82.82 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 652.00 ft	Diameter: 2.25 inches	Volume: 3.21 bbl	Weight to Pull Loose: 120000.0 lb
			<u>Total Volume: 86.03 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 115000.0 lb
Depth to Top Packer:	6580.00 ft			Final 115000.0 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	88.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			6553.00	
Shut In Tool	5.00			6558.00	
Hydraulic tool	5.00			6563.00	
Jars	5.00			6568.00	
Safety Joint	3.00			6571.00	
Packer	5.00			6576.00	28.00      Bottom Of Top Packer
Packer	4.00			6580.00	
Stubb	1.00			6581.00	
Perforations	1.00			6582.00	
Recorder	0.00	8355	Inside	6582.00	
Recorder	0.00	6772	Inside	6582.00	
Change Over Sub	1.00			6583.00	
Drill Pipe	31.00			6614.00	
Change Over Sub	1.00			6615.00	
Perforations	22.00			6637.00	
Bullnose	3.00			6640.00	60.00      Bottom Packers & Anchor
<b>Total Tool Length:</b>	<b>88.00</b>				





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Midwestern Exploration

Marlan 2-14

3500 S Boulevard Suite 2B Edmond OK  
73013+5487

14-35-35 Stevens, KS

Job Ticket: 40293

DST#: 1

ATTN: Tom Williams

Test Start: 2010.10.27 @ 08:30:00

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.19 in<sup>2</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1200.00 ppm

Filter Cake: inches

**Recovery Information**

**Recovery Table**

Length ft	Description	Volume bbf
0.00	600 GP	0.000
110.00	5% oil 5% gas 90% mud	0.541

Total Length: 110.00 ft

Total Volume: 0.541 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

