

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

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

3/7/13

OPERATOR: License # 5259
Name: Mai Oil Operations, Inc.
Address 1: P.O. Box 33
Address 2: _____
City: Russell State: Ks. Zip: 67665 +
Contact Person: Allen Bangert
Phone: (785) 483-1676
CONTRACTOR: License # 33350
Name: Southwind Drilling, Inc.
Wellsite Geologist: Kitt Noah
Purchaser: NCRA

KCC

MAR 07 2011

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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 #: _____

01/03/2011	01/10/2011	01/10/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-051-26069-0000
Spot Description: 70'North & 175'West
SW NE NW NE Sec. 6 Twp. 11 S. R. 20 East West
375 Feet from North / South Line of Section
1,940 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Ellis
Lease Name: Richards Well #: 14
Field Name: Mendota
Producing Formation: Lansing, Topeka
Elevation: Ground: 2049' Kelly Bushing: 2057'
Total Depth: 3721' Plug Back Total Depth: 3692'
Amount of Surface Pipe Set and Cemented at: 255 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: 1495'
feet depth to: Surface w/ 135 sx cmf.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 58000 ppm Fluid volume: 500 bbls
Dewatering method used: Disposed of on Lease SWD
Location of fluid disposal if hauled offsite:
Operator Name: _____
Lease Name: _____ License #: _____
Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
County: _____ Permit #: _____

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.

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.

Signature: Allen Bangert
Title: Prod. Supt. Date: 02/25/2011

KCC Office Use ONLY

Letter of Confidentiality Received
Date: 3/7/11 - 3/7/13 RECEIVED
 Confidential Release Date: MAR 07 2011
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Dlg Date: 3/9/11
KCC WICHITA

Operator Name: Mai Oil Operations, Inc. Lease Name: Richards Well #: 14
 Sec. 6 Twp. 11 S. R. 20 East West County: Ellis

KCC

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INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests given. Report all 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 <i>(Attach Additional Sheets)</i>	<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	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Anhydrite	1520'	+537
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Topeka	3095'	-1038
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	3299'	-1242
List All E. Logs Run:		Toronto	3320'	-1263
CNFD, DIL, Micro		Lansing	3336'	-1279
		Base Kansas City	3559'	-1502
		Arbuckle	3634'	-1577

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"	20#	255'	60-40 POZ	190 sks	2% Gel, 3% CC
Production	7 7/8"	5 1/2"	14#	3714'	60-40 POZ	175 sks	

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 checked="" type="checkbox"/> Plug Off Zone	3668-72'	60-40 POZ	40	

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
3	3530-36', 3474-78', 3249-53', 3122-26'	6000 Gal 20% HCL	

TUBING RECORD:	Size: <u>2 7/8"</u>	Set At: <u>3687'</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>2-22-2011</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>10</u>	Gas Mcf	Water Bbls. <u>140</u>	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: <u>3122-3536' O.A.</u>
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------



KCC
MAR 07 2011
CONFIDENTIAL

MAI OIL OPERATIONS, INC.
8411 Preston Road, Suite 800
Dallas, TX 75225-5520
Phone: (214) 219-8883
Fax: (214) 219-8886

REQUEST FOR CONFIDENTIAL STATUS

January 11, 2011

Mai Oil Operations, Inc.
Richards #14
70'N & 175'W SW NE NW NE
(375'FN & 1940'FE)
Section 6-11S-20W
Ellis County, Kansas
API #15-051-26,069

Please hold confidential for a period of 12 months the following pertaining to the above captioned well:

- 1) any information contained on Side Two of Form ACO-1**
- 2) electric log surveys/geological reports**
- 3) drilling samples**

In addition, per KSA Rule # 82-3-107, please extend the confidential period an additional 12 months.

Sincerely,

Allen Bangert
Production Superintendent

Drilling Samples Requested by State
 Drilling Samples NOT Requested by State

RECEIVED
MAR 07 2011
KCC WICHITA

QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

MAR 07 2011

No. 4703

Date	1-3-11	Sec.	6	Twp.	11	Range	20	County	Ellis	State	KS	Location	CONFIDENTIAL	Finish	9:30 AM
Lease	Richards	Well No.	14	Location: Ellis & Coline 1 1/2 W Sinto											

Contractor	Southwind #3	Owner	To Quality Oilwell Cementing, Inc.
Type Job	Surface	You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.	
Hole Size	12 1/4	T.D.	255
Csg.	8 5/8	Depth	255
Tbg. Size		Depth	
Tool		Depth	
Cement Left in Csg.	1.5'	Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.
Meas Line		Displace	15.86
		Cement Amount Ordered	190 60/40 30 2 1/2 60/1

EQUIPMENT

Pumptrk	9	No.	Cementers	1	Common	114
			Helper	1		
Bulktrk		No.	Driver	1	Poz. Mix	76
			Driver	1		
Bulktrk	10	No.	Driver	1	Gel.	3
			Driver	1	Calcium	7

JOB SERVICES & REMARKS

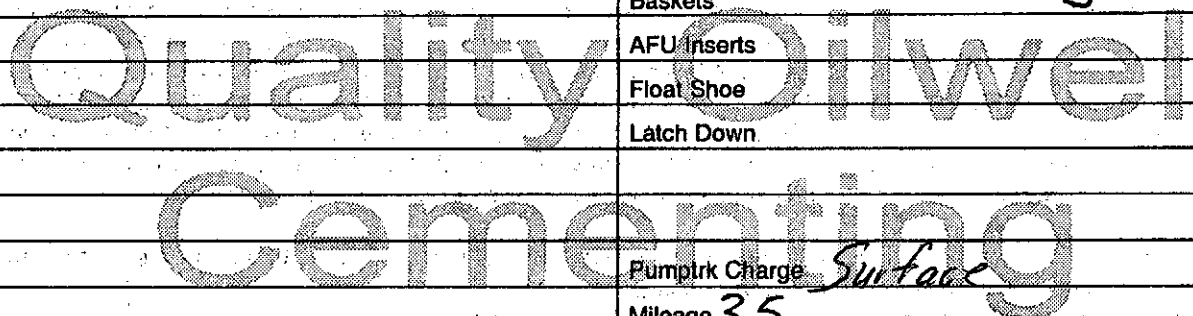
Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
Cement Circulator	Sand
	Handling 200
	Mileage

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FLOAT EQUIPMENT

Guide Shoe	
Centralizer	8 5/8 wooden Plug
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	Surface
Mileage	35



Signature	Tax
	Discount
	Total Charge

ALLIED CEMENTING CO., LLC. 034069

PO BOX 31
RUSSELL, KANSAS 67665

MAR 07 2011

SERVICE POINT:

Russell

CONFIDENTIAL

DATE <u>1-10-11</u>	SEC. <u>6</u>	TWP. <u>11</u>	RANGE <u>20</u>	CALLED OUT	ON LOCATION	JOB START <u>2:45 PM</u>	JOB FINISH <u>3:45 AM</u>
LEASE <u>Richards</u>	WELL # <u>14</u>	LOCATION <u>Ellis N to Countyline 1/2 W</u>			COUNTY <u>Ellis</u>	STATE <u>Ks.</u>	
OLD OR <u>NEW</u> (Circle one)			<u>Sinto</u>				

CONTRACTOR Southwind Drilling Rig #2
 TYPE OF JOB Production String
 HOLE SIZE 2 3/8 T.D. 3728'
 CASING SIZE 5 1/2 14" DEPTH 3714'
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL Port Caller DEPTH 1995'
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 19.20
 CEMENT LEFT IN CSG. 19.90
 PERFS.
 DISPLACEMENT 90.16 bbl

OWNER
 CEMENT
 AMOUNT ORDERED 175 60 102 Salt 22 Gal
14 # FLO Seal
1000 Gal WFR-2

EQUIPMENT
 PUMP TRUCK CEMENTER Shane
 # 417 HELPER Heath
 BULK TRUCK
 # 481 DRIVER Woody
 BULK TRUCK
 # DRIVER

COMMON	<u>105</u>	@	<u>13.50</u>	<u>1417.50</u>
POZMIX	<u>70</u>	@	<u>7.50</u>	<u>528.50</u>
GEL	<u>3</u>	@	<u>20.25</u>	<u>60.75</u>
CHLORIDE		@		
ASC		@		
<u>Salt</u>	<u>7</u>	@	<u>21.25</u>	<u>148.75</u>
<u>F10 Seal</u>	<u>44</u>	@	<u>2.45</u>	<u>107.80</u>
<u>WFR-2</u>	<u>1000 GAL</u>	@	<u>1.10</u>	<u>1100.00</u>
RECEIVED				
MAR 07 2011				
HANDLING	<u>175</u>	KCC @	<u>2.25</u>	<u>393.75</u>
MILEAGE	<u>54 mi/10</u>	KCC @	<u>7.15</u>	<u>437.50</u>
TOTAL				<u>3094.55</u>

REMARKS:

Rat Hole 305ks
Insert @ 3694.80
Pipe on Bottom Est Circulation
Mixed 145 sks. Shut down, washed
Pump & Lines
Displaced 90.16 bbl.
Loaded Plug @ 1500 psi
Float Held

CHARGE TO: Mai Oil Operations
 STREET _____
 CITY _____ STATE _____ ZIP _____

Thanks!

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>1957.00</u>
EXTRA FOOTAGE	@		
MILEAGE	<u>25</u>	@	<u>7.00</u> <u>175.00</u>
MANIFOLD	@		
	@		
	@		
TOTAL <u>2132.00</u>			

PLUG & FLOAT EQUIPMENT

<u>Port Caller</u>	@		<u>1750.00</u>
<u>11 - Turbochargers</u>	@	<u>42.00</u>	<u>462.00</u>
<u>1 - Basket</u>	@		<u>161.00</u>
<u>RFU - Float Shoe</u>	@		<u>101.00</u>
<u>1 - Lt ...</u>	@		<u>114.00</u>

ALLIED CEMENTING CO., LLC. 036887

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

MAR 07 2011

SERVICE POINT:

Russell

CONFIDENTIAL

DATE <i>2-7-11</i>	SEC <i>6</i>	TWP. <i>11</i>	RANGE <i>20</i>	CALLED OUT	ON LOCATION	JOB START <i>1:00pm</i>	JOB FINISH <i>2:00pm</i>
LEASE <i>Richard</i>	WELL # <i>14</i>	LOCATION <i>PALCO STOCOLINE 3W</i>			COUNTY <i>Ellis</i>	STATE <i>Kn</i>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR *Rapid*

TYPE OF JOB *PORT COLLOR*

HOLE SIZE _____ T.D. _____

CASING SIZE *5 1/2* DEPTH _____

TUBING SIZE *2 3/8* DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT _____

OWNER _____

CEMENT _____

AMOUNT ORDERED *135 Mc 6 7/8 6 1/2 Gal 1 7/8*

COMMON	<i>81</i>	@	<i>13.50</i>	<i>1093.50</i>
POZMIX	<i>54</i>	@	<i>7.55</i>	<i>407.70</i>
GEL	<i>7</i>	@	<i>20.25</i>	<i>141.75</i>
CHLORIDE		@		
ASC		@		
<i>Fl Seal</i>	<i>33</i>	@	<i>2.45</i>	<i>80.85</i>
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<i>135</i>	@	<i>2.25</i>	<i>303.75</i>
MILEAGE	<i>10.5/56/mile</i>			<i>405.00</i>
TOTAL				<i>2432.55</i>

EQUIPMENT

PUMP TRUCK CEMENTER *Bill*

417 HELPER *Heth*

BULK TRUCK

481 DRIVER *Tony & Todd*

BULK TRUCK

_____ DRIVER _____

RECEIVED

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KCC WICHITA

REMARKS:

Test plus c 1000

Open tool Test. Circ.

Cement of 135 Mc 6 7/8

Wash close tool Test 1000 Mc

Runs its Circ. Clean

Cemt did Circ.

Port Stab Kcc

CHARGE TO: *mail*

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

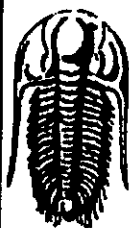
DEPTH OF JOB			
PUMP TRUCK CHARGE			<i>99.00</i>
EXTRA FOOTAGE		@	
MILEAGE	<i>30</i>	@	<i>7.00</i>
MANIFOLD		@	
		@	
		@	
TOTAL <i>1201.00</i>			

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	

To Allied Cementing Co., LLC.

You are hereby requested to rent cementing equipment



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

MAX 07 2011
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Mai Oil Operations, Inc.
8411 Preston Rd Ste 800
Dallas TX 75225
ATTN: Kitt Noah

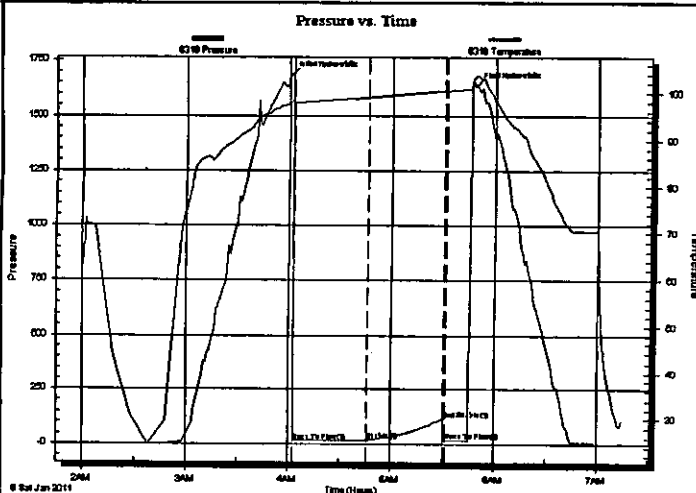
Richards #14
6-11s-20w Ells KS
Job Ticket: 41901 DST#: 1
Test Start: 2011.01.08 @ 02:00:43

GENERAL INFORMATION:

Formation: **KC "H-J"**
Deviated: **No** Whipstock: **ft (KB)**
Time Tool Opened: **04:02:43**
Time Test Ended: **07:15:43**
Interval: **3460.00 ft (KB) To 3526.00 ft (KB) (TVD)**
Total Depth: **3526.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole**
Tester: **Brett Dickinson**
Unit No: **47**
Reference Elevations: **2057.00 ft (KB)**
2049.00 ft (CF)
KB to GRVCF: **8.00 ft**

Serial #: **8319** Inside
Press@RunDepth: **19.48 psig @ 3466.00 ft (KB)**
Start Date: **2011.01.08** End Date: **2011.01.08**
Start Time: **02:00:48** End Time: **07:15:42**
Capacity: **8000.00 psig**
Last Calib.: **2011.01.08**
Time On Btm: **2011.01.08 @ 04:01:13**
Time Off Btm: **2011.01.08 @ 05:48:13**

TEST COMMENT: IF-1.5in blow
IS-No blow
FF-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1682.16	98.19	Initial Hydro-static
2	15.68	97.96	Open To Flow (1)
45	19.48	99.04	Shut-In(1)
90	115.51	100.46	End Shut-In(1)
91	16.83	100.46	Open To Flow (2)
107	1634.67	103.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	SOCM 10%O 90%M	0.28

Gas Rates

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

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TRIOBITE TESTING, INC

DRILL STEM TEST REPORT

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Mal Oil Operations, Inc.
8411 Preston Rd Ste 800
Dallas TX 75225
ATTN: Kitt Noah

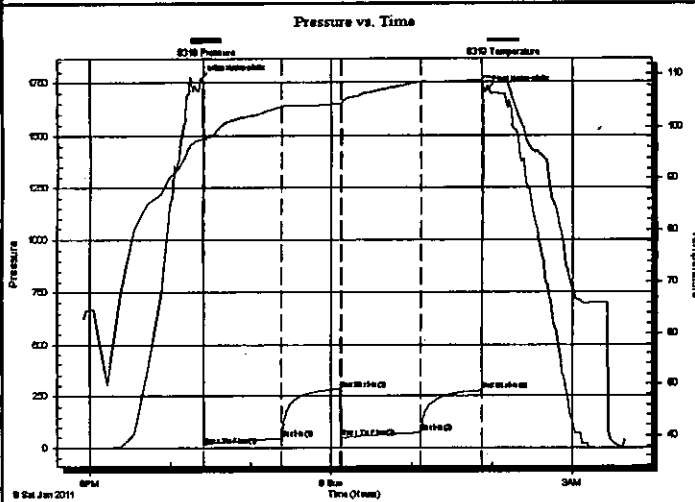
Richards #14
6-11s-20w Ellis KS
Job Ticket: 41902 DST#: 2
Test Start: 2011.01.08 @ 20:55:48

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No Whipstock: ft (KB)**
Time Tool Opened: **22:23:48**
Time Test Ended: **03:39:48**
Interval: **3598.00 ft (KB) To 3657.00 ft (KB) (TVD)**
Total Depth: **3657.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**
Test Type: **Conventional Bottom Hole**
Tester: **Brett Dickinson**
Unit No: **47**
Reference Elevations: **2057.00 ft (KB)**
2049.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 8319 Inside
Press@RunDepth: **73.85 psig @ 3602.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2011.01.08** End Date: **2011.01.09** Last Calib.: **2011.01.09**
Start Time: **20:55:53** End Time: **03:39:47** Time On Btm: **2011.01.08 @ 22:22:18**
Time Off Btm: **2011.01.09 @ 01:54:48**

TEST COMMENT: IF-7in blow
ISI-No blow
FF-2.5in blow
FSI-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1766.25	97.71	Initial Hydro-static
2	17.36	97.12	Open To Flow (1)
61	49.26	103.90	Shut-In(1)
105	283.35	104.48	End Shut-In(1)
105	51.12	104.42	Open To Flow (2)
165	73.85	108.62	Shut-In(2)
210	275.81	108.70	End Shut-In(2)
213	1710.57	109.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	VSGO 5%G 95%O	0.07
125.00	SWCM 20%W 80%M	1.75

Gas Rates

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