

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

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) 483-2169
 CONTRACTOR: License # 33350
 Name: Southwind Drilling, Inc.
 Wellsite Geologist: Kitt Noah
 Purchaser: NCRA
 Designate Type of Completion:
 New Well Re-Entry Workover
 Oil SWD SLOW
 Gas ENHR SIGW
 CM (Coal Bed Methane) Temp. Abd.
 Dry Other _____
 (Core, WSW, Expl., Cathodic, 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
 Plug Back: _____ Plug Back Total Depth _____
 Commingled Docket No.: _____
 Dual Completion Docket No.: _____
 Other (SWD or Enhr.?) Docket No.: _____

<u>08/14/2009</u>	<u>08/22/2009</u>	<u>08/22/2009</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 009-25335-0000
 Spot Description: 60' South & 120' East
S/2 N/2 NW Sec. 14 Twp. 17 S. R. 15 East West
1050 Feet from North / South Line of Section
1440 Feet from East / West Line of Section
 Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
 County: Barton
 Lease Name: Axman Unit Well #: 1
 Field Name: Wildcat
 Producing Formation: Lansing
 Elevation: Ground: 1967' Kelly Bushing: 1975'
 Total Depth: 3560' Plug Back Total Depth: 3531'
 Amount of Surface Pipe Set and Cemented at: 991' 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 Am I nil 11-4-09
 (Data must be collected from the Reserve Pit)
 Chloride content: 38000 ppm Fluid volume: 80 bbls
 Dewatering method used: Let dry
 Location of fluid disposal if hauled offsite: _____
 Operator Name: _____
 Lease Name: _____ License No.: _____
 Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West
 County: _____ Docket 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 statements herein are complete and correct to the best of my knowledge.

Signature: Allen Bangert
 Title: Prod. Supt. Date: 10/20/2009
 Subscribed and sworn to before me this 20 day of October,
20 09.
 Notary Public: _____
 Date Commission Expires: August 14, 2011

KCC Office Use ONLY

Letter of Confidentiality Received
 If Denied, Yes Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution

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OCT 23 2009

 **KATHLEEN NEWTON**
 Notary Public - State of Kansas
 My Appt. Expires 8-14-11

KCC WICHITA

Operator Name: Mal Oil Operations, Inc. Lease Name: Axman Unit Well #: 1
 Sec. 14 Twp. 17 S. R. 15 East West County: Barton

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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: CNFD, DIL, Micro	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1002'</td> <td>+973</td> </tr> <tr> <td>Topeka</td> <td>2959'</td> <td>-984</td> </tr> <tr> <td>Heebner</td> <td>3189'</td> <td>-1214</td> </tr> <tr> <td>Toronto</td> <td>3203'</td> <td>-1228</td> </tr> <tr> <td>Lansing</td> <td>3250'</td> <td>-1275</td> </tr> <tr> <td>Base Kansas City</td> <td>3477'</td> <td>-1502</td> </tr> <tr> <td>Arbuckle</td> <td>3510'</td> <td>-1535</td> </tr> </table>	Name	Top	Datum	Anhydrite	1002'	+973	Topeka	2959'	-984	Heebner	3189'	-1214	Toronto	3203'	-1228	Lansing	3250'	-1275	Base Kansas City	3477'	-1502	Arbuckle	3510'	-1535
Name	Top	Datum																							
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Base Kansas City	3477'	-1502																							
Arbuckle	3510'	-1535																							

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"	23#	991'	60-40 POZ	400	2% Gel, 3% CC
Production	7 7/8"	5 1/2"	14#	3552'	60-40 POZ	160	

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
3	3428-34', 3412-18', 3330-34', 3320-24'	5500 gal 20% HCL	
			RECEIVED OCT 23 2009 KCC WICHITA

TUBING RECORD: Size: <u>2 7/8"</u> Set At: <u>3526'</u> Packer At: <u> </u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <u>09/11/2009</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>50</u> Gas Mcf <u> </u> Water Bbls. <u>20</u> Gas-Oil Ratio <u> </u> Gravity <u> </u>

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 <input type="checkbox"/> Other (Specify) <u> </u>	PRODUCTION INTERVAL: <u>3320-3434' OA</u>
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Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

QUALITY OILWELL CEMENTING, INC.

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

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

No. 3421

Date	8-15-09	Sec.		Twp.		Range		County		State		On Location		Finish	11:30pm		
Lease	Aymann Unit			Well No.	1			Location	Galatia # 45 BBL Pgs								
Contractor	Southwind Rig 3							Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Type Job	Long Surface							Charge To	Main Oil								
Hole Size	12 1/4		T.D.	991		Csg.	8 1/2		Depth	990		Tbg. Size			Depth		
Drill Pipe			Depth			Tool			Depth			City			State		
Cement Left in Csg.	40'		Shoe Joint			The above was done to satisfaction and supervision of owner agent or contractor											
Press Max.			Minimum			CEMENT											
Moss Line			Displace	60 1/2 BBL		Amount Ordered	400 @ 342		Common	240 @ 10.00		Poz. Mix	160 @ 6.00		Gel.	8 @ 17.00	
Part.			EQUIPMENT			Calcium	13 @ 42.00		Mills			Salt			Flowseal		
Pumptrk	9	No.	Comentor		Dane		Driver	Paul									
Bulktrk	7	No.	Driver		Darin												
Bulktrk	ps1	No.	Driver														
JOB SERVICES & REMARKS																	
Pumptrk Charge	Long Surface		430.00														
Mileage	27 @ 6.00																
Handling											421 @ 2.00						
Mileage											24 park pumptrk						
Pump Truck Charge																	
Remarks:													FLOAT EQUIPMENT				
pumped BBL													Guide Shoe				
water in front of cement.													Centralizer				
mixer cement & displaced													Baskets				
60 1/2 BBL & hit insert.													AFU inserts				
Landed @ ps1													8" Rubber Plug				
Cement Lit													8" Baffle plate				
													Rotating Head				
													Squeeze Mainfold				
Karl Willson													Tax				
Signature													Discount				
													Total Charge				

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KCC WICHITA

ALLIED CEMENTING CO., LLC. 037607

TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Russell KS

DATE <u>8-22-09</u>	SEC. <u>14</u>	TWP. <u>17</u>	RANGE <u>15</u>	CALLED OUT	ON LOCATION	JOB START <u>4:00 pm</u>	JOB FINISH <u>4:45 pm</u>
LEASE <u>Arman Unit</u>	WELL # <u>1</u>	LOCATION <u>Russell South Hwy 281 to Rd</u>			COUNTY <u>Barton</u>	STATE <u>KS</u>	
OLD OR <u>(NEW)</u> (Circle one)		<u>150 4 1/2 West South into</u>					

CONTRACTOR South Wind Drilling Rig #3
 TYPE OF JOB Production String
 HOLE SIZE 7 7/8 T.D. 3560'
 CASING SIZE 5 1/2 14" DEPTH 3557'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT 20.58'
 CEMENT LEFT IN CSG. 20.58'
 PERFS. _____
 DISPLACEMENT 86.28 Bbl

EQUIPMENT

PUMP TRUCK CEMENTER John Roberts
 # 417 HELPER Matt
 BULK TRUCK _____
 # 410 DRIVER Glenn
 BULK TRUCK _____
 # _____ DRIVER _____

REMARKS:

Ran 5 1/2 casing set @ 3557 Circulate on bottom
45min Pump 1000 gal WFR-2 Flush Plug
RatHole 30 sk cement. Mix 130 sk cement
Clean cement lines. Insert @ 3536.42'
Displace plug w/ 86.30 Bbl H₂O.
Land plug @ 1500 psi.
Float Did Hold!
Thank You!

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

OWNER _____
 CEMENT
 AMOUNT ORDERED 160 60/40 2 1/2 Bbl 10K Salt 4 #70
1,000 gal WFR-2

COMMON	<u>96</u>	@	<u>13.50</u>	<u>1296.00</u>
POZMIX	<u>64</u>	@	<u>7.55</u>	<u>483.20</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>Flt Seal</u>	<u>40</u>	@	<u>2.45</u>	<u>98.00</u>
<u>WFR-2 1000 Gal</u>		@		<u>N-C</u>
HANDLING	<u>160</u>	@	<u>2.25</u>	<u>360.00</u>
MILEAGE	<u>110/5k/mile</u>			<u>400.00</u>
				TOTAL <u>2846.70</u>

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			<u>99.00</u>
EXTRA FOOTAGE		@	
MILEAGE	<u>25</u>	@	<u>7.00</u>
MANIFOLD		@	

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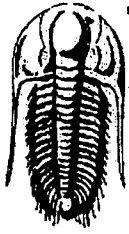
OCT 23 2009

KCC WICHITA 1166.00

PLUG & FLOAT EQUIPMENT

<u>8-5 1/2 Weatherford Tuckalizers</u>	@	<u>42.00</u>	<u>336.00</u>
<u>1-5 1/2 Industrial Rubber Float Shoe</u>	@		<u>101.00</u>
<u>1-5 1/2 Industrial Rubber Latch Down</u>	@		<u>164.00</u>
	@		
	@		

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment
 and furnish cementer and helper(s) to assist owner or



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

AXMAN UNIT #1

P.O. Box 33
Russell, KS 67665

14-17s-15w Barton KS

Job Ticket: 36502

DST#: 3

ATTN: Kitt Noah

Test Start: 2009.08.21 @ 05:15:00

GENERAL INFORMATION:

Formation: **LKC "H-J"**
 Deviated: No Whipstock ft (KB)
 Time Tool Opened: 07:02:10
 Time Test Ended: 12:35:09

Test Type: Conventional Bottom Hole
 Tester: Jake Fahrenbruch
 Unit No: 43

Interval: **3386.00 ft (KB) To 3440.00 ft (KB) (TVD)**
 Total Depth: 3440.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1975.00 ft (KB)
 1968.00 ft (CF)
 KB to GR/CF: 7.00 ft

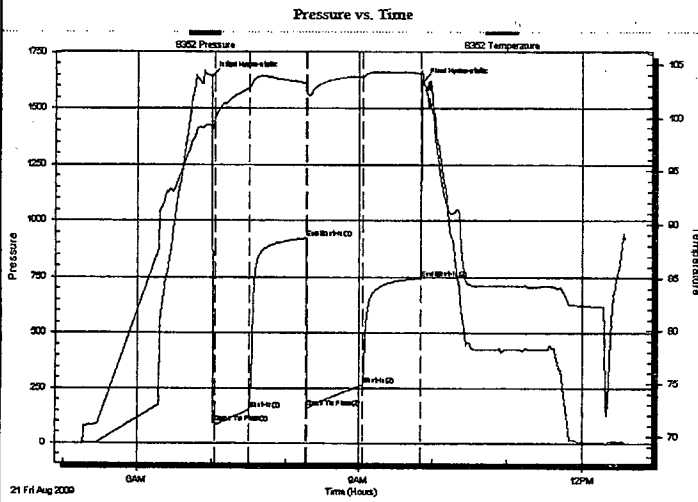
Serial #: 8352

Inside

Press@RunDepth: 263.35 psig @ 3387.00 ft (KB)
 Start Date: 2009.08.21 End Date: 2009.08.21
 Start Time: 05:15:02 End Time: 12:35:10

Capacity: 7000.00 psig
 Last Calib.: 2009.08.21
 Time On Btm: 2009.08.21 @ 06:59:50
 Time Off Btm: 2009.08.21 @ 09:51:39

TEST COMMENT: IF: Strong blow, built to BOB in 1.75 minute.
 IS: Bled off, strong blow back @ BOB. Gas to surface.
 FF: Strong blow, built to BOB in 2.75 minutes.
 FS: Bled off, strong blow back @ BOB.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1643.89	99.25	Initial Hydro-static
3	92.09	100.03	Open To Flow (1)
31	152.22	102.75	Shut-In(1)
77	920.80	103.26	End Shut-In(1)
78	159.26	102.29	Open To Flow(2)
124	263.35	103.78	Shut-In(2)
171	743.52	104.09	End Shut-In(2)
172	1621.05	103.91	Final Hydro-static

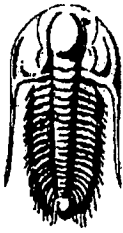
Recovery

Length (ft)	Description	Volume (bbl)
800.00	Gassy Clean Oil (reversed out)	11.22
120.00	Very Gassy Mud & Oil 80g20m20o	1.68
0.00	GIAFFP	0.00
0.00	corrected gravity=35	0.00

Gas Rates

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

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

AXMAN UNIT #1

P.O. Box 33
Russell, KS 67665

14-17s-15w Barton KS

Job Ticket: 36501

DST#: 2

ATTN: Kitt Noah

Test Start: 2009.08.20 @ 09:55:00

GENERAL INFORMATION:

Formation: **LKC "E&F"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:23:20

Time Test Ended: 15:51:50

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 43

Interval: **3312.00 ft (KB) To 3340.00 ft (KB) (TVD)**

Reference Elevations: 1975.00 ft (KB)

Total Depth: 3340.00 ft (KB) (TVD)

1968.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 7.00 ft

Serial #: 8352

Inside

Press@RunDepth: 64.41 psig @ 3313.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2009.08.20

End Date: 2009.08.20

Last Calib.: 2009.08.20

Start Time: 09:55:02

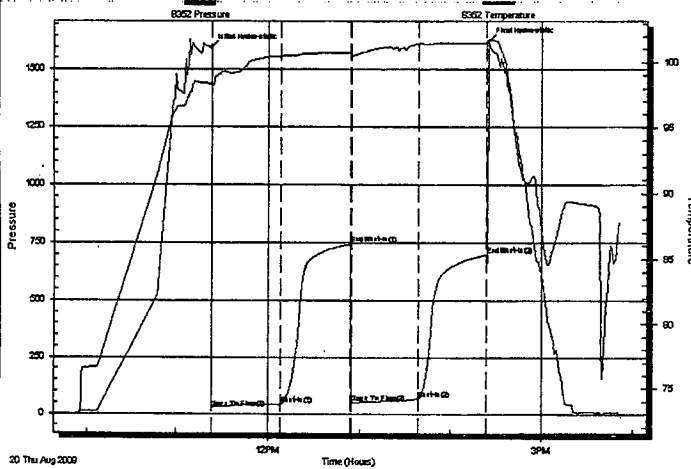
End Time: 15:51:49

Time On Btrn: 2009.08.20 @ 11:22:10

Time Off Btrn: 2009.08.20 @ 14:24:50

TEST COMMENT: IF: Strong blow, built to BOB in 16.5 minutes.
IS: Bled off, no blow back.
FF: Strong blow, built to BOB in 14 minutes.
FS: Bled off.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1595.49	98.35	Initial Hydro-static
2	25.84	98.10	Open To Flow (1)
47	41.81	100.46	Shut-In (1)
92	744.15	100.77	End Shut-In (1)
93	48.73	100.50	Open To Flow (2)
137	64.41	101.44	Shut-In (2)
182	698.54	101.48	End Shut-In (2)
183	1622.93	101.80	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
45.00	GCWMO 20%g 15%w 25%m 40%o	0.63
65.00	GCWMO 20%g 20%w 30%m 30%o	0.91
0.00	450' GIP	0.00
0.00	RW= .15ohm@82degF=42000ppmChl	0.00

Gas Rates

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

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Mai Oil Operations, Inc.

AXMAN UNIT #1

P.O. Box 33
Russell, KS 67665

14-17s-15w Barton KS

Job Ticket: 35100

DST#: 1

ATTN: Kitt Noah

Test Start: 2009.08.19 @ 16:35:00

GENERAL INFORMATION:

Formation: **Lansing "B"**
 Deviated: **No Whipstock** ft (KB)
 Time Tool Opened: 18:13:30
 Time Test Ended: 22:56:20

Test Type: **Conventional Bottom Hole**
 Tester: **Jake Fahrenbruch**
 Unit No: **43**

Interval: **3262.00 ft (KB) To 3276.00 ft (KB) (TVD)**
 Total Depth: **3276.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **1975.00 ft (KB)**
1968.00 ft (CF)
 KB to GR/CF: **7.00 ft**

Serial #: 8352

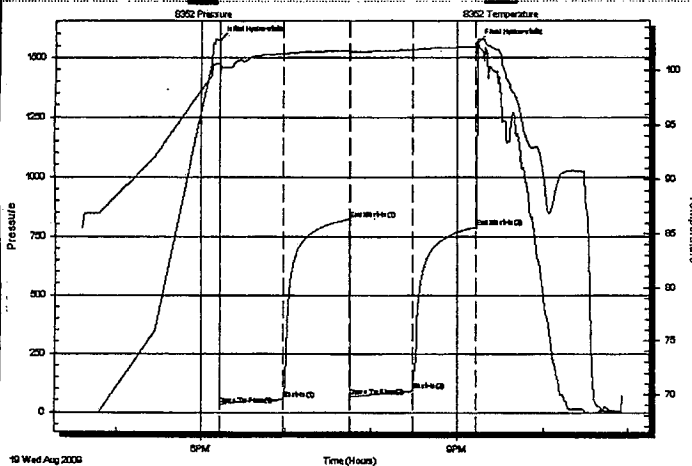
Inside

Press@RunDepth: **91.03 psig @ 3263.00 ft (KB)**
 Start Date: **2009.08.19** End Date: **2009.08.19**
 Start Time: **16:35:02** End Time: **22:56:19**

Capacity: **7000.00 psig**
 Last Calib.: **2009.08.19**
 Time On Btrn: **2009.08.19 @ 18:13:20**
 Time Off Btrn: **2009.08.19 @ 21:14:20**

TEST COMMENT: IF: Fair blow, built to 9.5" in bucket.
 IS: Bled off, no blow back.
 FF: Fairly weak blow, built to 5" in bucket.
 FS: Bled off, no blow back.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1572.53	100.63	Initial Hydro-static
1	31.10	99.78	Open To Flow (1)
46	53.83	101.54	Shut-In (1)
92	822.72	101.84	End Shut-In (1)
93	67.84	101.78	Open To Flow (2)
136	91.03	101.90	Shut-In (2)
180	788.45	102.18	End Shut-In (2)
181	1558.82	102.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
170.00	MCW 15% m 85% w	2.38
0.00	60' +/- GIP	0.00
0.00	RW= .22ohm@75degF=29000ppmChl	0.00

Gas Rates

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

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