

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

10/27/12

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

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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 #:

08/18/2010 08/26/2010 08/26/2010
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 009-25462-0000
Spot Description:
SW SE NE NW Sec. 27 Twp. 17 S. R. 15 East West
1,150 Feet from North / South Line of Section
2,250 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Barton
Lease Name: Kelly Maneth Well #: 2
Field Name: Pospichel South
Producing Formation: Lansing
Elevation: Ground: 1999' Kelly Bushing: 2007'
Total Depth: 3610' Plug Back Total Depth: 3569
Amount of Surface Pipe Set and Cemented at: 1045 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 cm.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 58000 ppm Fluid volume: 200 bbls
Dewatering method used: Let dry
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: 10/27/2010

KCC Office Use ONLY

Letter of Confidentiality Received
Date: 10/27/10 - 10/27/12
 Confidential Release Date:
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: NJS Date: 11-5-10

Operator Name: Mai oil Operations, Inc. Lease Name: Kelly Maneth Well #: 2
 Sec. 27 Twp. 17 S. R. 15 East West County: Barton **OCT 27 2010**

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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 <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	1040'	+967
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Topeka	2984'	-977
Electric Log Submitted Electronically <i>(If no, Submit Copy)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	3219'	-1212
List All E. Logs Run:		Toronto	3233'	-1226
CNFD, DIL, Micro		Lansing	3283'	-1276
		Base Kansas City	3514'	-1507
		Arbuckle	3552'	-1545

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#	1045	60-40POZ	350	2% gel, 3% CC
Production	7 7/8"	5 1/2"	14#	3607'	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	3314-3318'	60-40 POZ	150	
<input type="checkbox"/> Plug Back TD				
<input checked="" type="checkbox"/> Plug Off Zone	3349-3353'	60-40 POZ	150	

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	3458-63', 3444-50', 3349-53', 3314-18'	4750 20% HCL	
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TUBING RECORD:	Size: <u>2 7/8"</u>	Set At: <u>3564'</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>09/24/2010</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i>			
Estimated Production Per 24 Hours	Oil Bbls. <u>20</u>	Gas Mcf	Water Bbls. <u>80</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>3444-3463' O.A.</u>
<input type="checkbox"/> Other <i>(Specify)</i>		

ALLIED CEMENTING CO., LLC. 041928

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

SERVICE POINT:
Russell KS.

DATE <u>8-26-10</u>	SEC. <u>27</u>	TWP. <u>17S</u>	RANGE <u>15W</u>	CONFIDENTIAL	ON LOCATION	JOB START <u>10:30 Am</u>	JOB FINISH <u>11:00 Am</u>
LEASEE <u>Kelly MANETH</u>	WELL # <u>2</u>	LOCATION <u>Ohmit 2 ks. 1w 1N 1/4E 1/4S</u>			COUNTY <u>BARTON</u>	STATE <u>KANSAS</u>	
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR SOUTHWIND Dalg. Rig # 3

TYPE OF JOB Cement PRODUCTION STRING

HOLE SIZE 7 7/8 T.D. 3610

CASING SIZE 5 1/2 New DEPTH 3607

TUBING SIZE 14# CSG DEPTH 3

DRILL PIPE DEPTH 3585

TOOL LATCH DN. Plug DEPTH @ 3585

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 22.06

CEMENT LEFT IN CSG. 22.06

PERFS.

DISPLACEMENT 87.40 / BBL

OWNER

CEMENT AMOUNT ORDERED 160 SX 140 10% SALT 210 GEL 1/4" F10-SeqL RR SX

1000 GAL WFR-2 MUD FLUSH

EQUIPMENT

PUMP TRUCK # 417 CEMENTER Glenn HELPER Heath

BULK TRUCK # 410 DRIVER Don

BULK TRUCK # DRIVER

COMMON	@
POZMIX	@
GEL	@
CHLORIDE	@
ASC	@
	@
	@
	@
	@
	@
	@
	@
	@
HANDLING	@
MILEAGE	@
TOTAL	

REMARKS:
Run 86 JTS New 5 1/2, 14 # CSG.
Set @ 3607, load hole & received
circulation. Circulated for 45min. Pump flush
Cement Kothole w/ 30 SX. Cement w/ 130 SX
690 10% SALT, 210 GEL & F10-. Clear-Line-
Release, LATCH DN. Plug, & Displace
LAND Plug @ 1500, Release & Dried-up
TANK'S

CHARGE TO: MAI OIL OPERATIONS

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE @ _____

MILEAGE @ _____

MANIFOLD @ _____

RECEIVED @ _____

OCT 27 @ _____

TOTAL _____

5 1/2 CSG. PLUG & FLOAT EQUIPMENT

1-FLOAT-Shoe @ _____

1-LATCH Down Plug Assy. @ _____

10-TURBO-Centralizers @ _____

@ _____

@ _____

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

ALLIED CEMENTING CO., LLC. 041750

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

SERVICE POINT:
Russell, Ks.
NOON

DATE <u>8-19-10</u>	SEC. <u>27</u>	TWP. <u>17 S</u>	RANGE <u>15 W</u>	CALLED OUT <u>OCT 27 2010</u>	ON LOCATION <u>CONFIDENTIAL</u>	JOB START <u>12:00A</u>	JOB FINISH <u>12:30PM</u>
LEASEE <u>Kelly MANETH</u>			WELL# <u>2</u>	LOCATION <u>Ohmitz 1W 1N 2W</u>		COUNTY <u>BARTON</u>	STATE <u>KANSAS</u>
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR SOUTH WIND DRLG Rig #

TYPE OF JOB Cement Long Surface

HOLE SIZE 12 1/4 T.D. 1045'

CASING SIZE 8 5/8 New DEPTH 1045'

TUBING SIZE 2 3/4 CSG. DEPTH _____

DRILL PIPE _____ DEPTH _____

TOOL BAFFLE Plate DEPTH 1025'

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT 19'

CEMENT LEFT IN CSG. 19'

PERFS. _____

DISPLACEMENT 65 1/4 / BBL

OWNER _____

CEMENT AMOUNT ORDERED 350 SK 69/40

2 % GEL

3 % CC

COMMON _____ @ _____

POZMIX _____ @ _____

GEL _____ @ _____

CHLORIDE _____ @ _____

ASC _____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

_____ @ _____

HANDLING _____ @ _____

MILEAGE _____ @ _____

EQUIPMENT

PUMP TRUCK # 398 CEMENTER GILLEN

HELPER SHANE - RON

BULK TRUCK # 481 DRIVER RICHARD - JOHNNY

BULK TRUCK # _____ DRIVER _____

REMARKS:

Ran 24 1/2 JTS of New 8 5/8, 23# Set @ 1045', Load & Circulate CSG. Hook-up to Pump Truck & mixed 350 SK 2+3, Release Rubber Wiper Plug, & Displaced 65 1/4 BBL H₂O, SHUT IN. Cement Did Circulate to Surface

THANKS

CHARGE TO: MAZ OIL OPERATIONS

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB _____

PUMP TRUCK CHARGE _____

EXTRA FOOTAGE _____ @ _____

MILEAGE _____ @ _____

MANIFOLD _____ @ _____

_____ @ _____

_____ @ _____

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TOTAL _____

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PLUG & FLOAT EQUIPMENT

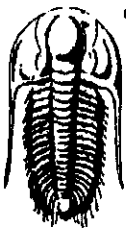
8 5/8 BAFFLE Plate @ _____

SOLID RUBBER PLUG @ _____

_____ @ _____

_____ @ _____

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

OCT 27 2010

CONFIDENTIAL

Mai Oil Operations Inc.
8411 Preston Rd. Ste. 800
Dallas Tx 75225

Kelly Maneth#2
27-17s-15w Barton Ks
Job Ticket: 039248 DST#: 2
Test Start: 2010.08.23 @ 15:38:59

ATTN: Kitt Noah

GENERAL INFORMATION:

Formation: **LKC E - F**
Deviated: **No Whipstock:** ft (KB)
Time Tool Opened: 17:12:29
Time Test Ended: 22:34:14

Test Type: **Conventional Bottom Hole**
Tester: **Gary Pevoteaux**
Unit No: **39**

Interval: **3337.00 ft (KB) To 3374.00 ft (KB) (TVD)**
Total Depth: **3374.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2007.00 ft (KB)**
1999.00 ft (CF)
KB to GR/CF: **8.00 ft**

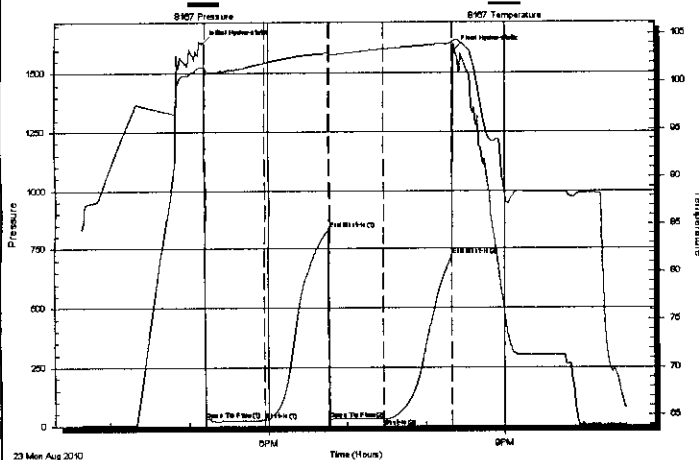
Serial #: 8167 **Inside**

Press@RunDepth: **31.90 psig @ 3338.00 ft (KB)**
Start Date: **2010.08.23** End Date: **2010.08.23**
Start Time: **15:39:04** End Time: **22:34:13**

Capacity: **8000.00 psig**
Last Calib.: **2010.08.23**
Time On Btm: **2010.08.23 @ 17:10:59**
Time Off Btm: **2010.08.23 @ 20:21:44**

TEST COMMENT: IF:Weak blow . 1/4 - 2".
IS:No blow .
FF:Weak blow . 1/4 - 2 1/4".
FS:No blow .

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1624.67	101.45	Initial Hydro-static
2	28.30	100.73	Open To Flow (1)
47	25.43	101.96	Shut-In(1)
95	833.85	102.97	End Shut-In(1)
96	26.77	102.79	Open To Flow (2)
137	31.90	103.39	Shut-In(2)
189	718.75	103.95	End Shut-In(2)
191	1596.60	104.26	Final Hydro-static

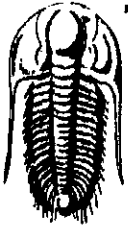
Recovery

Length (ft)	Description	Volume (bbl)
50.00	OCWM 14%o 28%w 58%m	0.70
0.00	70 ft. of GIP	0.00

Gas Rates

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

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**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

OCT 27 2010

Mai Oil Operations Inc.
8411 Preston Rd. Ste. 800
Dallas Tx 75225
ATTN: Kitt Noah

Kelly Maneth#2
27-17s-15w Barton Ks
Job Ticket: 039249 DST#: 3
Test Start: 2010.08.24 @ 13:02:29

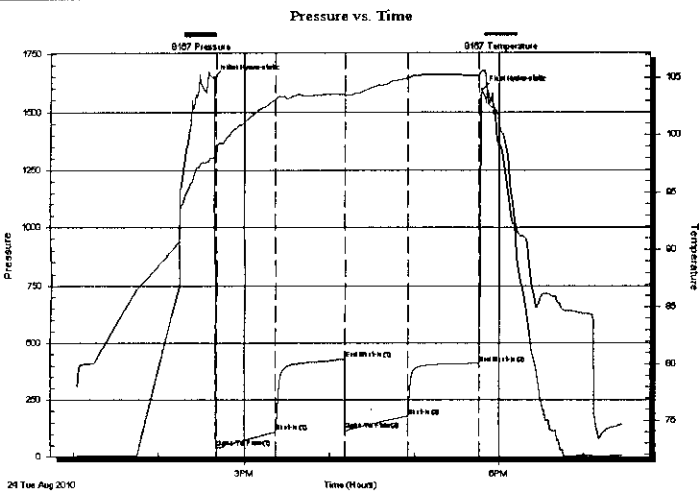
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GENERAL INFORMATION:

Formation: LKC H,I,J
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 14:40:14
Time Test Ended: 19:28:14
Test Type: Conventional Bottom Hole
Tester: Gary Pevoteaux
Unit No: 39
Interval: 3417.00 ft (KB) To 3475.00 ft (KB) (TVD)
Reference Elevations: 2007.00 ft (KB)
Total Depth: 3475.00 ft (KB) (TVD) 1999.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8167 **Inside**
Press@RunDepth: 178.49 psig @ 3418.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2010.08.24 End Date: 2010.08.24
Start Time: 13:02:34 End Time: 19:28:13
Last Calib.: 2010.08.24
Time On Btm: 2010.08.24 @ 14:38:29
Time Off Btm: 2010.08.24 @ 17:47:44

TEST COMMENT: IF: Strong blow . B.O.B. in 3 mins.
IS: Fair blow .back 1 - 6".
FF: Strong blow . B.O.B. in 3 1/2 mins.
FS: Strong blow back .B.O.B. /GTS in 1 min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1645.27	98.08	Initial Hydro-static
2	41.71	97.73	Open To Flow (1)
44	109.81	103.09	Shut-In(1)
93	431.20	103.56	End Shut-In(1)
93	118.82	103.42	Open To Flow (2)
137	178.49	104.95	Shut-In(2)
188	410.88	105.13	End Shut-In(2)
190	1595.01	105.56	Final Hydro-static

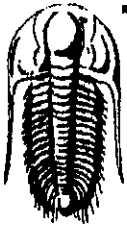
Recovery

Length (ft)	Description	Volume (bbl)
62.00	SOC,MV 2%o 13%m 85%w	0.87
154.00	GM&OCW 30%g 9%m 11%o 50%w	2.16
162.00	GM&WCO 23%g 9%m 29%w 39%o	2.27

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.
8411 Preston Rd. Ste. 800
Dallas Tx 75225
ATTN: Kitt Noah

Kelly Maneth#2
27-17s-15w Barton Ks
Job Ticket: 039250 DST#: 4
Test Start: 2010.08.25 @ 06:17:28

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: **No** Whipstock: ft (KB)
Time Tool Opened: 09:11:28
Time Test Ended: 14:11:28

Test Type: **Conventional Bottom Hole**
Tester: **Gary Pevoteaux**
Unit No: **39**

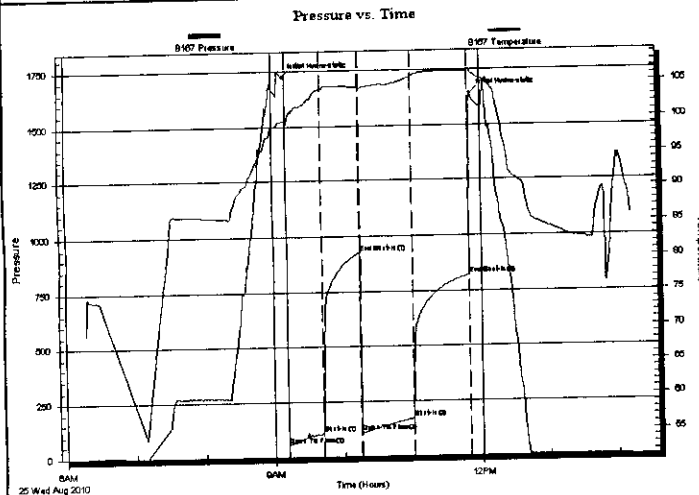
Interval: **3514.00 ft (KB) To 3560.00 ft (KB) (TVD)**
Total Depth: **3560.00 ft (KB) (TVD)**
Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **2007.00 ft (KB)**
1999.00 ft (CF)
KB to GR/CF: **8.00 ft**

Serial #: 8167 **Inside**
Press@RunDepth: **171.65 psig @ 3515.00 ft (KB)**
Start Date: **2010.08.25** End Date: **2010.08.25**
Start Time: **06:17:33** End Time: **14:11:27**

Capacity: **8000.00 psig**
Last Calib.: **2010.08.25**
Time On Btm: **2010.08.25 @ 09:08:58**
Time Off Btm:

TEST COMMENT: IF: Strong blow . B.O.B. in 9 mins.
IS: Weak blow back 1 - 3".
FF: Strong blow . B.O.B. in 9 1/2 mins.
FSI: Weak blow back 1 - 2".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1722.95	99.50	Initial Hydro-static
3	53.57	99.12	Open To Flow (1)
33	107.25	104.05	Shut-In(1)
66	928.13	104.38	End Shut-In(1)
66	112.68	104.15	Open To Flow (2)
111	171.65	105.75	Shut-In(2)
161	823.65	106.43	End Shut-In(2)
163	1642.15	106.44	Initial Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
125.00	GMCO 26%g 11%m 63%o	1.75
125.00	GMCO 20%g 27%m 53%o	1.75
175.00	CGO 18%g 82%o	2.45
0.00	195 ft. of GIP	0.00

Gas Rates

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

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