

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

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 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 #: _____

04/20/2010	04/27/2010	04/27/2010
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 009-25411-0000

Spot Description: _____

N/2 SE NE NE Sec. 24 Twp. 16 S. R. 15 East West

880 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: Barton

Lease Name: Ochs Well #: 1

Field Name: Wildcat

Producing Formation: Arbuckle

Elevation: Ground: 1943' Kelly Bushing: 1951'

Total Depth: 3489' Plug Back Total Depth: 3463'

Amount of Surface Pipe Set and Cemented at: 509 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: 44000 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: 10/05/2010

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: Dg Date: 10/12/10

Operator Name: Mai Oil Operations, Inc. Lease Name: Ochs Well #: 1
 Sec. 24 Twp. 16 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 complete copy of all Electric Wire-line 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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: CNFD, DIL, Micro	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><input checked="" type="checkbox"/> Log</td> <td>Formation (Top), Depth and Datum</td> <td><input type="checkbox"/> Sample</td> </tr> <tr> <td>Name</td> <td>Top</td> <td>Datum</td> </tr> <tr> <td>Anhydrite</td> <td>960'</td> <td>+991</td> </tr> <tr> <td>Topeka</td> <td>2888'</td> <td>-937</td> </tr> <tr> <td>Heebner</td> <td>3119'</td> <td>-1168</td> </tr> <tr> <td>Toronto</td> <td>3136'</td> <td>-1185</td> </tr> <tr> <td>Lansing</td> <td>3184'</td> <td>-1233</td> </tr> <tr> <td>Base Kansas City</td> <td>3408'</td> <td>-1457</td> </tr> <tr> <td>Arbuckle</td> <td>3441'</td> <td>-1490</td> </tr> </table>	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample	Name	Top	Datum	Anhydrite	960'	+991	Topeka	2888'	-937	Heebner	3119'	-1168	Toronto	3136'	-1185	Lansing	3184'	-1233	Base Kansas City	3408'	-1457	Arbuckle	3441'	-1490
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Arbuckle	3441'	-1490																										

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#	509'	60-40 POZ	225	2% Gel, 3% CC
Production	7 7/8"	5 1/2"	14#	3487'	60-40 POZ	150	

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 <i>(Amount and Kind of Material Used)</i>	Depth
4	3440-42'		

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TUBING RECORD: Size: <u>2 7/8"</u> Set At: <u>3440'</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>09/22/2010</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>8</u>	Gas Mcf _____ Water Bbls. <u>450</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)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3440-3442' OA</u>
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QUALITY OILWELL CEMENTING, INC.

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

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

(Russell) No. 3817

Date	4-20-2010	Sec.	24	Twp.	16S	Range	15W	County	Barren	State	Ks	On Location		Finish	11:00PM	
Lease	Ochs	Well No.	#1	Location	Galatia, Ks - 2E - 3/4 N - W/3											
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	Surface				Charge To	Mai Oil Operations										
Hole Size	12 1/4"				T.D.	509'										
Csg.	8 5/8" 20# New				Depth	509'										
Tbg. Size					Depth											
Tool					Depth											
Cement Left in Csg.	15'				Shoe Joint	15'										
Meas Line					Displace	31 BBLs										
Cement Amount Ordered 225 sx 60/40 3% Cc 2% Gel																

EQUIPMENT

Pumptrk	1	No.	Cementer	Brandon	2 hr	Common	135
			Helper				
Bulktrk	11	No.	Driver	Joe	2 hr	Poz. Mix	90
			Driver				
Bulktrk pickup		No.	Driver	Rick	2 hr	Gel.	5
			Driver				

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
	Sand
Cement did Circulate.	Handling 237
	Mileage 20

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
	1 - 8 5/8" Double wooden plug
Pumptrk Charge	Surface
Mileage	20

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[Signature]

Russell

Tax
Discount
Total Charge

ALLIED CEMENTING CO., LLC. 33870

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

SERVICE POINT: Russell

DATE <u>4-27-10</u>	SEC. <u>24</u>	TWP. <u>16</u>	RANGE <u>15</u>	CALLED OUT	ON LOCATION	JOB START <u>3:00 a.m.</u>	JOB FINISH <u>3:30 a.m.</u>
LEASE <u>Ochs</u>	WELL # <u>1</u>	LOCATION <u>Galata DE RU WINTO</u>			COUNTY <u>Barren</u>	STATE <u>KS</u>	
OLD OR <u>(NEW)</u> (Circle one)							

CONTRACTOR Southwind #3
 TYPE OF JOB Production String
 HOLE SIZE 7 7/8 T.D. 3490
 CASING SIZE 5 1/2 14# DEPTH 3487
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT 19.90
 CEMENT LEFT IN CSG. 19.90'
 PERFS.
 DISPLACEMENT 84 3/4 B L
 EQUIPMENT

PUMP TRUCK CEMENTER raig
 # 398 HELPER Paul
 BULK TRUCK
 # 481 DRIVER Ron
 BULK TRUCK
 # DRIVER

REMARKS:

5 1/2 size 3487. Insert size 346210
Start 1000 gal WFR-2 - Plug Rathole 30SK
Cement casing. Displace Plug. Plug landed
1500 psi. Release pressure Drif.

OWNER
 CEMENT
 AMOUNT ORDERED 130 gal No 100% Salt 2 1/2 gal
1000 gal WFR-2 47770

COMMON	<u>90</u>	@	<u>13.50</u>	<u>1215.00</u>
POZMIX	<u>60</u>	@	<u>7.55</u>	<u>453.00</u>
GEL	<u>3</u>	@	<u>20.25</u>	<u>60.75</u>
CHLORIDE		@		
ASC		@		
<u>Salt</u>	<u>6</u>	@	<u>21.25</u>	<u>127.50</u>
<u>Flo Seal</u>	<u>37</u>	@	<u>2.45</u>	<u>90.65</u>
		@		
<u>WFR-2</u>	<u>1000</u>	@	<u>1.10</u>	<u>N-C</u>
		@		
		@		
		@		
		@		
HANDLING	<u>150</u>	@	<u>2.25</u>	<u>337.50</u>
MILEAGE	<u>110</u>			<u>300.00</u>
TOTAL				<u>2584.40</u>

SERVICE

DEPTH OF JOB				
PUMP TRUCK CHARGE				<u>1957.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>15</u>	@	<u>7.00</u>	<u>105.00</u>
MANIFOLD		@		
		@		
		@		
		@		

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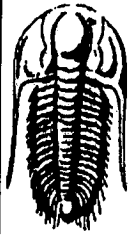
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TOTAL 2062.00

CHARGE TO: Mad Oil
 STREET _____
 CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

<u>3 1/2" RT Floor Shoe</u>	@		<u>101.00</u>
<u>9 Turbolizers (by)</u>	@	<u>42</u>	<u>378.00</u>
<u>Latex down Assembly</u>	@		<u>164.00</u>
	@		



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Mai Oil Operations Inc
8411 Preston Rd Ste 800
Dallas Tx 75225
ATTN: Curt Mai

Ochs # 1
24-16-15-Barton KS
Job Ticket: 38194 DST#: 1
Test Start: 2010.04.24 @ 02:10:28

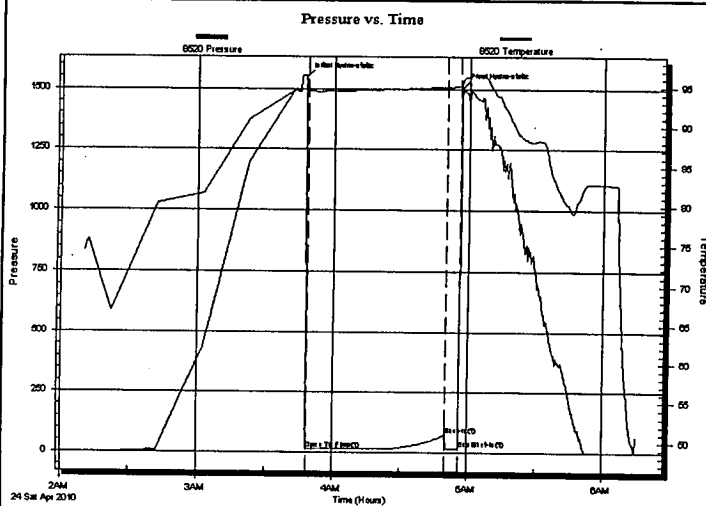
GENERAL INFORMATION:

Formation: A-C LKC	
Deviated: No Whipstock:	ft (KB)
Time Tool Opened: 03:48:13	Test Type: Conventional Bottom Hole
Time Test Ended: 06:15:13	Tester: Dan Bangle
Interval: 3190.00 ft (KB) To 3235.00 ft (KB) (TVD)	Unit No: 38
Total Depth: 3235.00 ft (KB) (TVD)	Reference Elevations: 1951.00 ft (KB)
Hole Diameter: 7.88 inches Hole Condition: Good	1943.00 ft (CF)
	KB to GR/CF: 8.00 ft

Serial #: 8520	Outside		
Press@RunDepth: 70.36 psig @ 3193.00 ft (KB)		Capacity: 8000.00 psig	
Start Date: 2010.04.24	End Date: 2010.04.24	Last Calib.: 2010.04.24	
Start Time: 02:10:29	End Time: 06:15:13	Time On Btm: 2010.04.24 @ 03:47:43	
		Time Off Btm: 2010.04.24 @ 04:56:43	

TEST COMMENT: IF-Weak died in 15 min

FF-No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1548.36	94.82	Initial Hydro-static
1	13.44	94.55	Open To Flow (1)
63	70.36	95.05	Shut-In(1)
69	14.02	95.12	End Shut-In(1)
69	1505.13	95.62	Final Hydro-static

Recovery

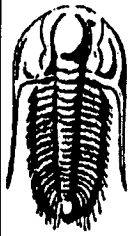
Length (ft)	Description	Volume (bbl)
2.00	Mud	0.03

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: Curt Mai

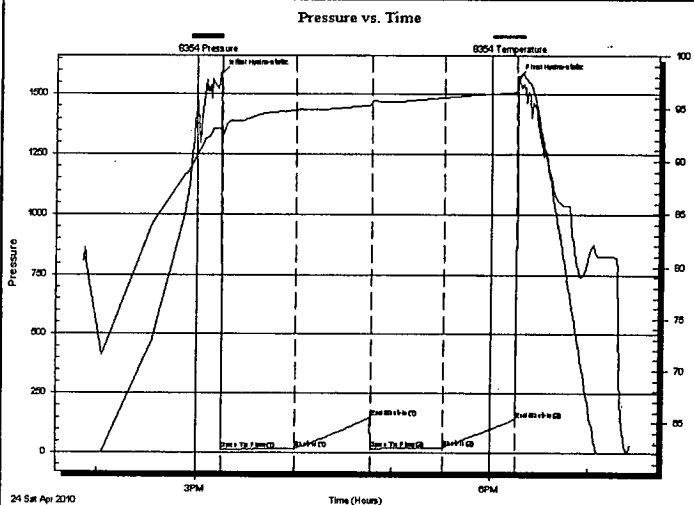
Ochs # 1
24-16-15-Barton KS
Job Ticket: 38195 DST#: 2
Test Start: 2010.04.24 @ 13:50:59

GENERAL INFORMATION:

Formation: E-F LKC
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:15:44
Time Test Ended: 19:26:14
Interval: 3245.00 ft (KB) To 3276.00 ft (KB) (TVD)
Total Depth: 3276.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 38
Reference Elevations: 1951.00 ft (KB)
1943.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8354 Inside
Press@RunDepth: 22.55 psig @ 3246.00 ft (KB)
Start Date: 2010.04.24 End Date: 2010.04.24
Start Time: 13:51:00 End Time: 19:26:14
Capacity: 8000.00 psig
Last Calib.: 2010.04.24
Time On Btm: 2010.04.24 @ 15:15:14
Time Off Btm: 2010.04.24 @ 18:16:29

TEST COMMENT: IF-Weak building to 3"
FF-Weak steady 1/2" blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1584.10	93.09	Initial Hydro-static
1	12.04	92.35	Open To Flow (1)
46	17.98	94.81	Shut-In(1)
92	149.22	95.31	End Shut-In(1)
92	15.45	95.67	Open To Flow (2)
136	22.55	96.01	Shut-In(2)
181	142.37	96.54	End Shut-In(2)
182	1567.33	97.27	Final Hydro-static

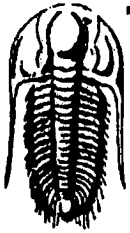
Recovery

Length (ft)	Description	Volume (bbl)
30.00	HMCgsyO 20%g 60%o 20%m	0.42
0.00	275 GIP	0.00

Gas Rates

Flow Time (Min)	Pressure (psig)	Gas Rate (Mcf/d)

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**TRILOBITE
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DRILL STEM TEST REPORT

Mai Oil Operations Inc
8411 Preston Rd Ste 800
Dallas Tx 75225
ATTN: Curt Mai

Ochs # 1
24-16-15-Barton KS
Job Ticket: 38196 DST#: 3
Test Start: 2010.04.25 @ 11:40:39

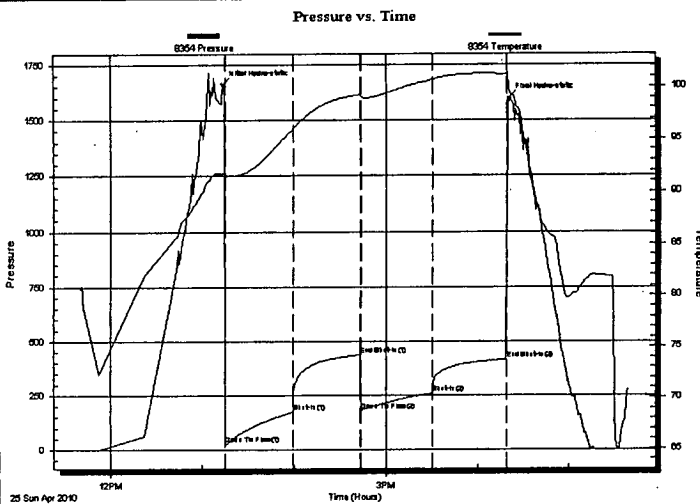
GENERAL INFORMATION:

Formation: I-K LKC
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 13:15:09
Time Test Ended: 17:39:39
Interval: 3335.00 ft (KB) To 3400.00 ft (KB) (TVD)
Total Depth: 3400.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole
Tester: Dan Bangle
Unit No: 38
Reference Elevations: 1951.00 ft (KB)
1943.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 8354 Inside
Press@RunDepth: 258.01 psig @ 3338.00 ft (KB)
Start Date: 2010.04.25 End Date: 2010.04.25
Start Time: 11:40:40 End Time: 17:39:39
Capacity: 8000.00 psig
Last Calib.: 2010.04.25
Time On Btm: 2010.04.25 @ 13:12:54
Time Off Btm: 2010.04.25 @ 16:20:24

TEST COMMENT: IF-Strong B-B in 6 min
FF-Strong B-B in 30 min



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1662.34	91.71	Initial Hydro-static
3	28.33	91.29	Open To Flow (1)
47	176.56	95.94	Shut-In(1)
91	437.00	99.23	End Shut-In(1)
91	178.91	99.10	Open To Flow (2)
138	258.01	100.67	Shut-In(2)
187	415.49	101.16	End Shut-In(2)
188	1597.64	99.78	Final Hydro-static

Recovery

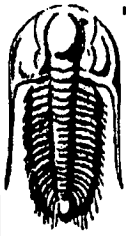
Length (ft)	Description	Volume (bbl)
475.00	MCWtr 20% m 80% w	6.66

Gas Rates

Time (Min.)	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: Curt Mai

Ochs # 1
 24-16-15-Barton KS
 Job Ticket: 38197 DST#: 4
 Test Start: 2010.04.26 @ 02:05:42

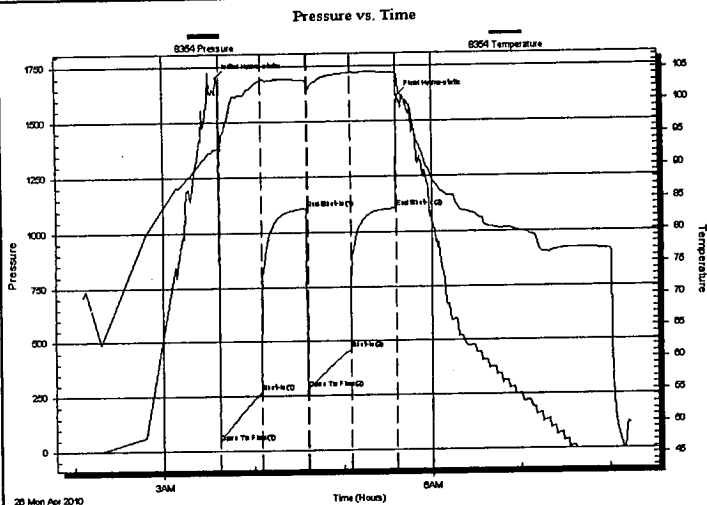
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:37:27
 Time Test Ended: 08:14:57
 Interval: **3408.00 ft (KB) To 3445.00 ft (KB) (TVD)**
 Total Depth: **3445.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: Good

Test Type: Conventional Bottom Hole
 Tester: Dan Bangle
 Unit No: 38
 Reference Elevations: 1951.00 ft (KB)
 1943.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: **8354** Inside
 Press@RunDepth: 462.12 psig @ 3409.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2010.04.26 End Date: 2010.04.26 Last Calib.: 2010.04.26
 Start Time: 02:05:43 End Time: 08:14:57 Time On Btm: 2010.04.26 @ 03:35:42
 Time Off Btm: 2010.04.26 @ 05:37:12

TEST COMMENT: IF-Strong B-B in 3 min
 IS-Weak building to 1/2"
 FF-Strong B-B in 5 min
 FS-Weak building to 1/2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1701.31	92.62	Initial Hydro-static
2	41.49	91.98	Open To Flow (1)
30	268.25	103.32	Shut-In(1)
61	1107.03	103.20	End Shut-In(1)
61	282.07	102.40	Open To Flow (2)
90	462.12	104.35	Shut-In(2)
121	1106.31	104.34	End Shut-In(2)
122	1617.41	102.98	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
210.00	Mdy Wtr 15%m 85%w	2.95
210.00	MCFrothyO 10%g 80%o 10%m	2.95
180.00	MCGsyO 10%g 70%o 20%m	2.52
500.00	CGsyO 10%g 90%o	7.01
0.00	370 GIP	0.00

Gas Rates

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