



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1174291
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____

(e.g. xx.xxxxx)

(e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ 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: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

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, 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.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1174291

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input 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

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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Wildcat Oil & Gas LLC
Well Name	McLeod 1
Doc ID	1174291

Tops

Name	Top	Datum
Heebner Shale	3197	-1662
Douglas Shale	3229	-1694
Douglas Sand	3328	-1793
Lansing	3429	-1894
Stark Shale	3822	-2287
Base Kansas City	3915	-2380
Cherokee Shale	4058	-2523
Mississippi	4159	-2624
Kinderhook Sh.	4409	-2874
Viola	4518	-2983
Simpson Sand	4560	-3025



PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 138363
Invoice Date: Aug 26, 2013
Page: 1

Bill To:

Wildcat Oil & Gas
P O Box 40
Spivey, KS 67142

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Wild	59893	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Medicine Lodge	Aug 26, 2013	9/25/13

Quantity	Item	Description	Unit Price	Amount
		McLead #1		
105.00	CEMENT MATERIALS	Class A Common	17.90	1,879.50
70.00	CEMENT MATERIALS	Pozmix	9.35	654.50
3.00	CEMENT MATERIALS	Gel	23.40	70.20
6.00	CEMENT MATERIALS	Chloride	64.00	384.00
188.06	CEMENT SERVICE	Cubic Feet	2.48	466.38
237.00	CEMENT SERVICE	Ton Mileage	2.60	616.20
1.00	CEMENT SERVICE	Surface	1,512.25	1,512.25
30.00	CEMENT SERVICE	Pump Truck Mileage	7.70	231.00
30.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	132.00
1.00	CEMENT SUPERVISOR	Jason Thimesch		
1.00	CEMENT SUPERVISOR	David Felio		
1.00	OPERATOR ASSISTANT	Carl Rackley		

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 1,486.51

ONLY IF PAID ON OR BEFORE
Sep 20, 2013

Subtotal	5,946.03
Sales Tax	206.19
Total Invoice Amount	6,152.22
Payment/Credit Applied	
TOTAL	6,152.22

ALLIED OIL & GAS SERVICES, LLC 059893

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Medicine Lodge KS

DATE <u>08/26/13</u>	SEC. <u>11</u>	TWP. <u>30s</u>	RANGE <u>8w</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>McLeod</u>		WELL# <u>1</u>	LOCATION <u>Spirey KS, North 1/4 on Ball Park Rd, East into</u>		COUNTY <u>Kingman</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)							

CONTRACTOR Hardt #1 OWNER Wildcat Oil & Gas

TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 218
 CASING SIZE 8 5/8 DEPTH 223
 TUBING SIZE DEPTH
 DRILL PIPE DEPTH
 TOOL DEPTH

CEMENT
 AMOUNT ORDERED 175 sx 60:40:2% Gel + 7% cc

PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG. 15
 PERFS.
 DISPLACEMENT 13 BBLs Fresh H₂O

COMMON	<u>105</u> sx	@	<u>17.90</u>	<u>1879.50</u>
POZMIX	<u>70</u> sx	@	<u>9.35</u>	<u>654.50</u>
GEL	<u>3</u> sx	@	<u>23.40</u>	<u>70.20</u>
CHLORIDE	<u>6</u> sx	@	<u>64.00</u>	<u>384.00</u>
ASC		@		

EQUIPMENT

PUMP TRUCK CEMENTER Saxon Thiersech
 # 360/302 HELPER David Felio
 BULK TRUCK
 # 364 DRIVER Carl Reckley
 BULK TRUCK
 # DRIVER

HANDLING	<u>188.06</u>	@	<u>2.48</u>	<u>466.38</u>
MILEAGE	<u>7.90/30/2-60</u>	@		<u>616.20</u>
				TOTAL <u>4070.78</u>

REMARKS:

SERVICE

DEPTH OF JOB	<u>222</u>			
PUMP TRUCK CHARGE	<u>1512.25</u>			
EXTRA FOOTAGE		@		
MILEAGE	<u>30</u>	@	<u>7.70</u>	<u>231.00</u>
MANIFOLD		@		
<u>1 U 30</u>		@	<u>4.40</u>	<u>132.00</u>

CHARGE TO: Wildcat Oil & Gas
 STREET _____
 CITY _____ STATE _____ ZIP _____

TOTAL 1875.25

PLUG & FLOAT EQUIPMENT

		@		
		@		
		@		
		@		
		@		

TOTAL _____

To: Allied Oil & Gas Services, 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) _____

PRINTED NAME _____

TOTAL CHARGES 5946.03

SIGNATURE Scott Chulba

DISCOUNT _____ IF PAID IN 30 DAYS

(NET) 4459.52



INVOICE

PO Box 93999
Southlake, TX 76092

Invoice Number: 138497
Invoice Date: Sep 4, 2013
Page: 1

Voice: (817) 546-7282
Fax: (817) 246-3361

Now Includes:



Bill To:
Wildcat Oil & Gas P O Box 40 Spivey, KS 67142

Customer ID	Field Ticket #	Payment Terms	
Wild	59897	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-02	Medicine Lodge	Sep 4, 2013	10/4/13

Quantity	Item	Description	Unit Price	Amount
		McLeod #1		
24.00	CEMENT MATERIALS	Class A Common	17.90	429.60
16.00	CEMENT MATERIALS	Pozmix	9.35	149.60
2.00	CEMENT MATERIALS	Gel	23.40	46.80
12.00	CEMENT MATERIALS	Super Flush	58.70	704.40
150.00	CEMENT MATERIALS	Class H Premium	21.20	3,180.00
15.00	CEMENT MATERIALS	Salt	26.35	395.25
750.00	CEMENT MATERIALS	Kol Seal	0.98	735.00
13.00	CEMENT MATERIALS	Cla Pro	34.40	447.20
223.00	CEMENT SERVICE	Cubic Feet	2.48	553.04
287.86	CEMENT SERVICE	Ton Mileage	2.60	748.44
1.00	CEMENT SERVICE	Production	2,765.75	2,765.75
30.00	CEMENT SERVICE	Pump Truck Mileage	7.70	231.00
1.00	CEMENT SERVICE	Manifold Rental	275.00	275.00
30.00	CEMENT SERVICE	Light Vehicle Mileage	4.40	132.00
1.00	EQUIPMENT SALES	5-1/2 Rubber Plug	51.25	51.25
4.00	EQUIPMENT SALES	5-1/2 Scratchers	36.00	144.00
1.00	CEMENT SUPERVISOR	Jason Thimesch		
1.00	CEMENT SUPERVISOR	Jake Heard		
1.00	CEMENT SUPERVISOR	David Felio		

Subtotal	10,988.33
Sales Tax	433.53
Total Invoice Amount	11,421.86
Payment/Credit Applied	
TOTAL	11,421.86

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 2,698.27

ONLY IF PAID ON OR BEFORE
Sep 29, 2013

ALLIED OIL & GAS SERVICES, LLC 059897

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT:
Medicine Lodge KS

DATE <u>09/04/13</u>	SEC. <u>11</u>	TWP. <u>30s</u>	RANGE <u>8w</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>McLcah</u>		WELL# <u>1</u>		LOCATION <u>Spirey KS, North on Bull Park Rd, 1/4 mi North of house, East into</u>		COUNTY <u>Kingman</u>	STATE <u>KS</u>
OLD OR <input checked="" type="radio"/> NEW (Circle one)							

CONTRACTOR Hardt OWNER Wildcat

TYPE OF JOB Production

HOLE SIZE 7 7/8 T.D. 4562

CASING SIZE 5 1/2 DEPTH 4350

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 1200 MINIMUM

MEAS. LINE SHOE JOINT 25

CEMENT LEFT IN CSG. 25

PERFS.

DISPLACEMENT 10 5/8 BBLs H₂O + 2% KCL

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Jason Thimesch</u>
# <u>561/302</u>	HELPER <u>Jake Heard</u>
BULK TRUCK	
# <u>364</u>	DRIVER <u>David Felio</u>
BULK TRUCK	
#	DRIVER

CEMENT

AMOUNT ORDERED 40.5x 60:40:4% Gel + 4% sm.s, 150.5x Class H + 10% Salt + 5# Kolseal, 13 Gal KCL, 12 BBLs ASF

COMMON <u>A</u>	<u>24 5x</u>	@ <u>17.90</u>	<u>429.60</u>
POZMIX	<u>16 5x</u>	@ <u>9.35</u>	<u>149.60</u>
GEL	<u>2 5x</u>	@ <u>23.40</u>	<u>46.80</u>
CHLORIDE		@	
ASC		@	
ASF	<u>12 Bbls</u>	@ <u>58.70</u>	<u>704.40</u>
H	<u>150 5x</u>	@ <u>21.20</u>	<u>3180.00</u>
Salt	<u>15 5x</u>	@ <u>26.35</u>	<u>395.25</u>
Kolseal	<u>750 #</u>	@ <u>.98</u>	<u>735.00</u>
Clapro	<u>13 Gals</u>	@ <u>34.40</u>	<u>447.20</u>

HANDLING 223 @ 2.48 553.04
MILEAGE 9.59/30/2.60 748.44

TOTAL 7389.33

REMARKS:

SERVICE

DEPTH OF JOB	<u>4350'</u>
PUMP TRUCK CHARGE	<u>2765.75</u>
EXTRA FOOTAGE	@
MILEAGE	<u>30</u> @ <u>7.70</u> <u>231.00</u>
MANIFOLD	@ <u>275.00</u>
<u>LU 30</u>	@ <u>4.40</u> <u>132.00</u>

TOTAL 3403.75

PLUG & FLOAT EQUIPMENT

<u>5 1/2</u>			
Rubber Plug	<u>1</u>	@	<u>51.25</u>
Scratchers	<u>4</u>	@ <u>36.00</u>	<u>144.00</u>
		@	
		@	

TOTAL 195.25

CHARGE TO: Wildcat
STREET _____
CITY _____ STATE _____ ZIP _____

To: Allied Oil & Gas Services, 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 10,988.33

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME Scott Adelhardt

SIGNATURE X Scott C Adelhardt

(NET) 8290.06



DRILL STEM TEST REPORT

Prepared For: **Wildcat Oil and Gas LLC.**

PO Box 40
Spivey, KS 67142-0040

ATTN: Terry

McLeod #1

11-30s-8w Kingman,KS

Start Date: 2013.09.01 @ 13:55:56

End Date: 2013.09.01 @ 22:51:26

Job Ticket #: 52452 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.09.06 @ 09:33:44

Wildcat Oil and Gas LLC. 11-30s-8w Kingman,KS McLeod #1 DST # 1 Miss. 2013.09.01



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Wildcat Oil and Gas LLC.

11-30s-8w Kingman, KS

PO Box 40
Spivey, KS 67142-0040

McLeod #1

Job Ticket: 52452

DST#: 1

ATTN: Terry

Test Start: 2013.09.01 @ 13:55:56

GENERAL INFORMATION:

Formation: Miss.

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:33:41

Time Test Ended: 22:51:26

Test Type: Conventional Bottom Hole (Initial)

Tester: Ryan Reynolds

Unit No: 48

Interval: 4090.00 ft (KB) To 4190.00 ft (KB) (TVD)

Total Depth: 4190.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1536.00 ft (KB)

1526.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8790

Inside

Press@RunDepth: 149.44 psig @ 4091.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.09.01

End Date: 2013.09.01

Last Calib.: 2013.09.01

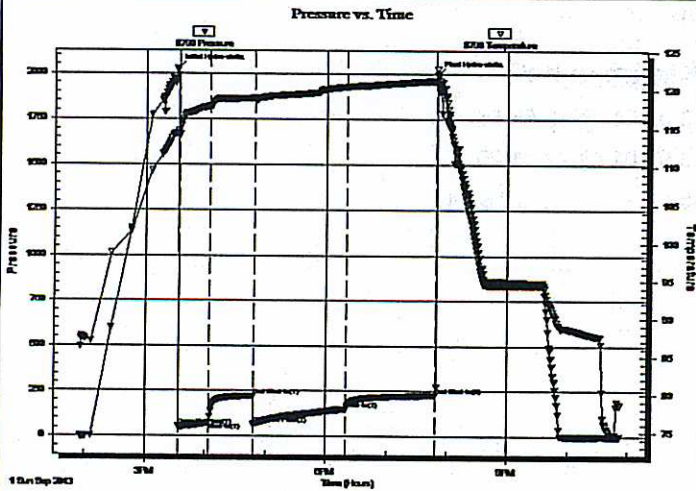
Start Time: 13:56:01

End Time: 22:51:26

Time On Btm: 2013.09.01 @ 15:30:56

Time Off Btm: 2013.09.01 @ 19:49:56

TEST COMMENT: IF: Strong blow . BOB @ 2 min. GTS @ 21 min.
 IS: No blow
 FF: Strong blow . BOB immed. Gauged gas throughout
 FSI: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2025.17	114.32	Initial Hydro-static
3	50.60	114.22	Open To Flow (1)
33	73.56	117.89	Shut-In(1)
77	222.69	118.95	End Shut-In(1)
78	65.07	118.77	Open To Flow (2)
169	149.44	120.42	Shut-In(2)
258	225.97	121.23	End Shut-In(2)
259	1993.60	122.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	OGCM 7%oil, 15%gas, 78%mud	0.59
120.00	OGCM 7%oil, 10%gas, 83%mud	1.68

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	7.00	8.01
Last Gas Rate	0.13	46.00	22.61
Max. Gas Rate	0.13	46.00	22.61



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Wildcat Oil and Gas LLC.

11-30s-8w Kingman, KS

PO Box 40
Spivey, KS 67142-0040

McLeod #1

Job Ticket: 52452

DST#: 1

ATTN: Terry

Test Start: 2013.09.01 @ 13:55:56

Tool Information

Drill Pipe:	Length: 3961.00 ft	Diameter: 3.80 inches	Volume: 55.56 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 94000.00 lb
			<u>Total Volume: 56.15 bbl</u>	Tool Chased 3.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 67000.00 lb
Depth to Top Packer:	4090.00 ft			Final 67500.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	100.00 ft			
Tool Length:	122.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4073.00	
Hydraulic tool	5.00			4078.00	
Safety Joint	2.00			4080.00	
packer	5.00			4085.00	
Packer	5.00			4090.00	22.00 Bottom Of Top Packer
Stubb	1.00			4091.00	
Recorder	0.00	8790	Inside	4091.00	
Recorder	0.00	8792	Outside	4091.00	
perforations	5.00			4096.00	
change Over Sub	1.00			4097.00	
drill Pipe	62.00			4159.00	
Change Over Sub	1.00			4160.00	
Perforations	27.00			4187.00	
Bullnose	3.00			4190.00	100.00 Anchor Tool

Total Tool Length: 122.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Wildcat Oil and Gas LLC.

11-30s-8w Kingman, KS

PO Box 40
Spivey, KS 67142-0040

McLeod #1

Job Ticket: 52452

DST#: 1

ATTN: Terry

Test Start: 2013.09.01 @ 13:55:56

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 56.00 sec/qt

Water Loss: 8.97 in³

Resistivity: ohm.m

Salinity: 3000.00 ppm

Filter Cake: 0.02 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

deg API

Water Salinity: 3000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	OGCM 7%oil, 15%gas, 78%mud	0.590
120.00	OGCM 7%oil, 10%gas, 83%mud	1.683

Total Length: 240.00 ft Total Volume: 2.273 bbl

Num Fluid Samples: 1

Num Gas Bombs: 1

Serial #: RR-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

GAS RATES

Wildcat Oil and Gas LLC.

11-30s-8w Kingman,KS

PO Box 40
Spivey, KS 67142-0040

McLeod #1

Job Ticket: 52452

DST#: 1

ATTN: Terry

Test Start: 2013.09.01 @ 13:55:56

Gas Rates Information

Temperature: 59 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
1	30	0.13	7.00	8.01
2	10	0.13	11.00	9.51
2	20	0.13	18.00	12.13
2	30	0.13	24.00	14.37
2	40	0.13	30.00	16.62
2	50	0.13	35.00	18.49
2	60	0.13	38.00	19.61
2	70	0.13	41.00	20.73
2	80	0.13	44.00	21.86
2	90	0.13	46.00	22.61

Serial #: 8790

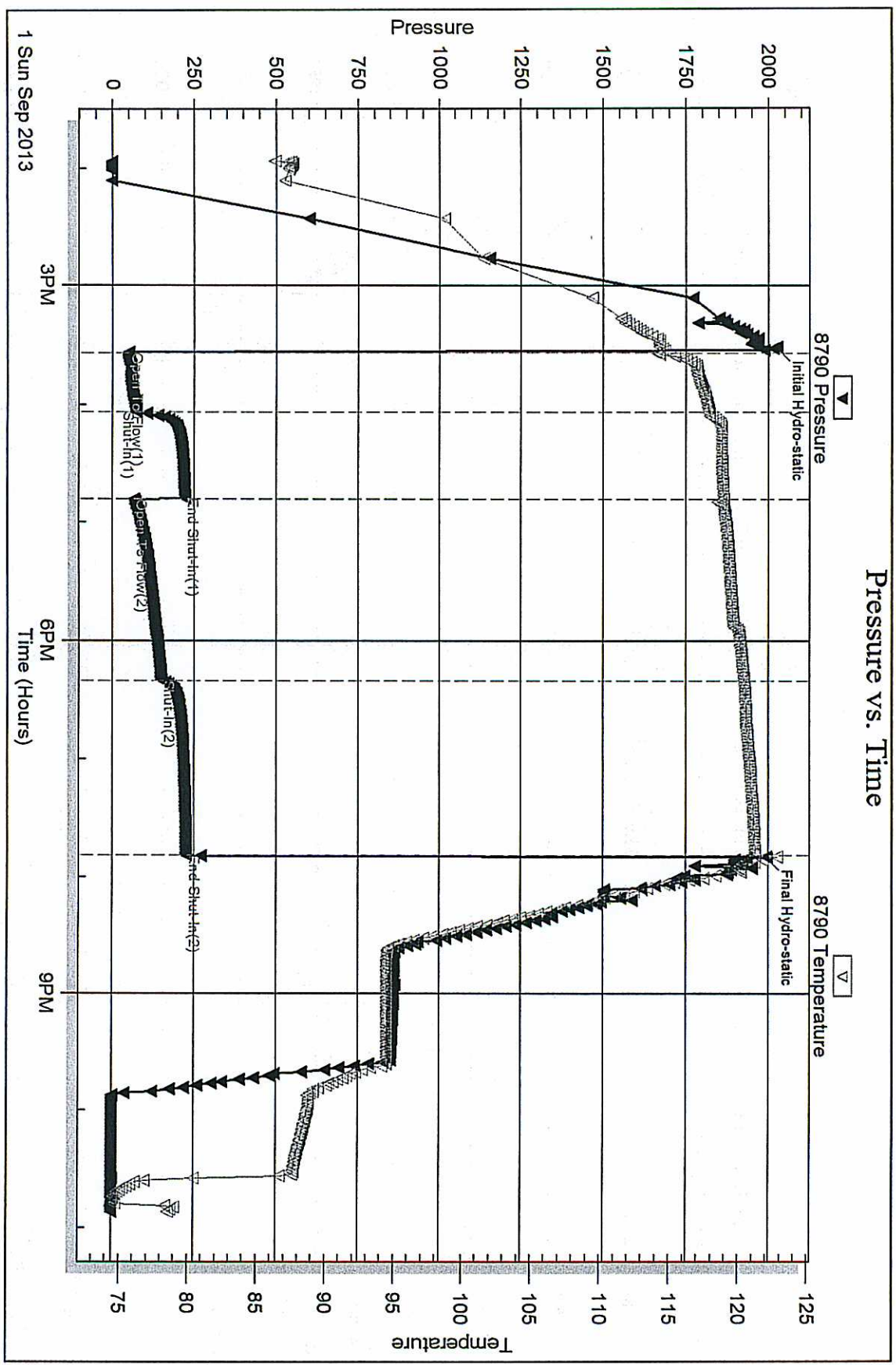
Inside

Wildcat Oil and Gas LLC.

McLeod #1

DST Test Number: 1

Pressure vs. Time



Tribble Testing, Inc

Ref. No: 52452

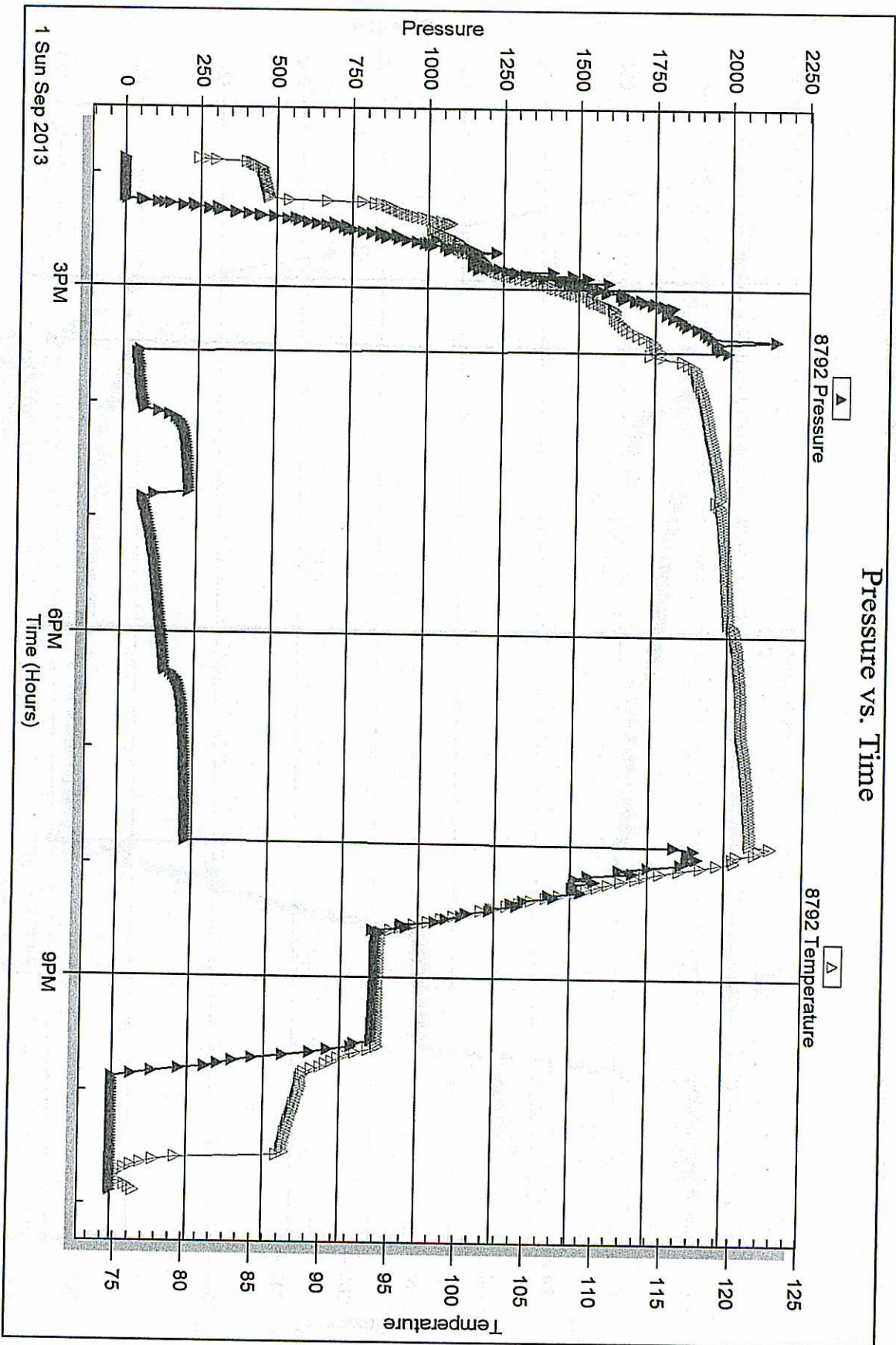
Printed: 2013.09.06 @ 09:33:46

Serial #: 8792

Outside Wildcat Oil and Gas LLC.

McLeod #1

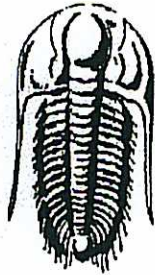
DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 52452

Printed: 2013.09.06 @ 09:33:46



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Wildcat Oil and Gas LLC.**

PO Box 40
Spivey, KS 67142-0040

ATTN: Terry

McLeod #1

11-30s-8w Kingman,KS

Start Date: 2013.09.02 @ 21:05:37

End Date: 2013.09.03 @ 04:16:37

Job Ticket #: 52453 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.09.06 @ 09:39:02

Wildcat Oil and Gas LLC.

11-30s-8w Kingman,KS

McLeod #1

DST # 2

Viola

2013.09.02



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Wildcat Oil and Gas LLC.

11-30s-8w Kingman, KS

PO Box 40
Spivey, KS 67142-0040

McLeod #1

Job Ticket: 52453

DST#: 2

ATTN: Terry

Test Start: 2013.09.02 @ 21:05:37

GENERAL INFORMATION:

Formation: Viola

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 23:07:07

Time Test Ended: 04:16:37

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Reynolds

Unit No: 48

Interval: 4400.00 ft (KB) To 4530.00 ft (KB) (TVD)

Total Depth: 4530.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1536.00 ft (KB)

1526.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8790

Inside

Press@RunDepth: 27.52 psig @ 4401.00 ft (KB)

Start Date: 2013.09.02

End Date:

2013.09.03

Capacity: 8000.00 psig

Last Calib.: 2013.09.03

Start Time: 21:05:42

End Time:

04:16:36

Time On Btm: 2013.09.02 @ 23:05:22

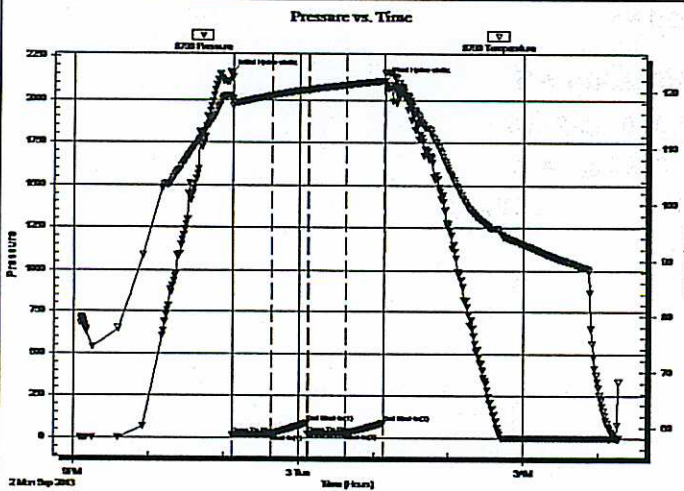
Time Off Btm: 2013.09.03 @ 01:08:52

TEST COMMENT: IF: Weak blow . 1/4" - Surface

IS: No blow

FF: Weak surf. blow .

FSI: No blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2151.80	118.75	Initial Hydro-static
2	16.67	117.36	Open To Flow (1)
34	22.77	119.26	Shut-In(1)
62	90.17	120.33	End Shut-In(1)
63	20.70	120.31	Open To Flow (2)
93	27.52	121.14	Shut-In(2)
123	88.94	121.86	End Shut-In(2)
124	2110.88	123.14	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Drig mud 100% mud	0.05
0.00	60' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Wildcat Oil and Gas LLC.

11-30s-8w Kingman,KS

PO Box 40
Spivey, KS 67142-0040

McLeod #1

Job Ticket: 52453

DST#: 2

ATTN: Terry

Test Start: 2013.09.02 @ 21:05:37

Tool Information

Drill Pipe:	Length: 4271.00 ft	Diameter: 3.80 inches	Volume: 59.91 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 93000.00 lb
			<u>Total Volume: 60.50 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.00 ft			String Weight: Initial 71000.00 lb
Depth to Top Packer:	4400.00 ft			Final 72000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	130.00 ft			
Tool Length:	152.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4383.00	
Hydraulic tool	5.00			4388.00	
Safety Joint	2.00			4390.00	
packer	5.00			4395.00	
Packer	5.00			4400.00	22.00 Bottom Of Top Packer
Stubb	1.00			4401.00	
Recorder	0.00	8790	Inside	4401.00	
Recorder	0.00	8792	Outside	4401.00	
perforations	4.00			4405.00	
change Over Sub	1.00			4406.00	
drill Pipe	93.00			4499.00	
Change Over Sub	1.00			4500.00	
Perforations	27.00			4527.00	
Bullnose	3.00			4530.00	130.00 Anchor Tool
Total Tool Length:	152.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Wildcat Oil and Gas LLC.

11-30s-8w Kingman,KS

PO Box 40
Spivey, KS 67142-0040

McLeod #1

Job Ticket: 52453

DST#: 2

ATTN: Terry

Test Start: 2013.09.02 @ 21:05:37

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:	5000 ppm
Viscosity: 40.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.37 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Drlg mud 100%mud	0.049
0.00	60' GIP	0.000

Total Length: 10.00 ft Total Volume: 0.049 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8790

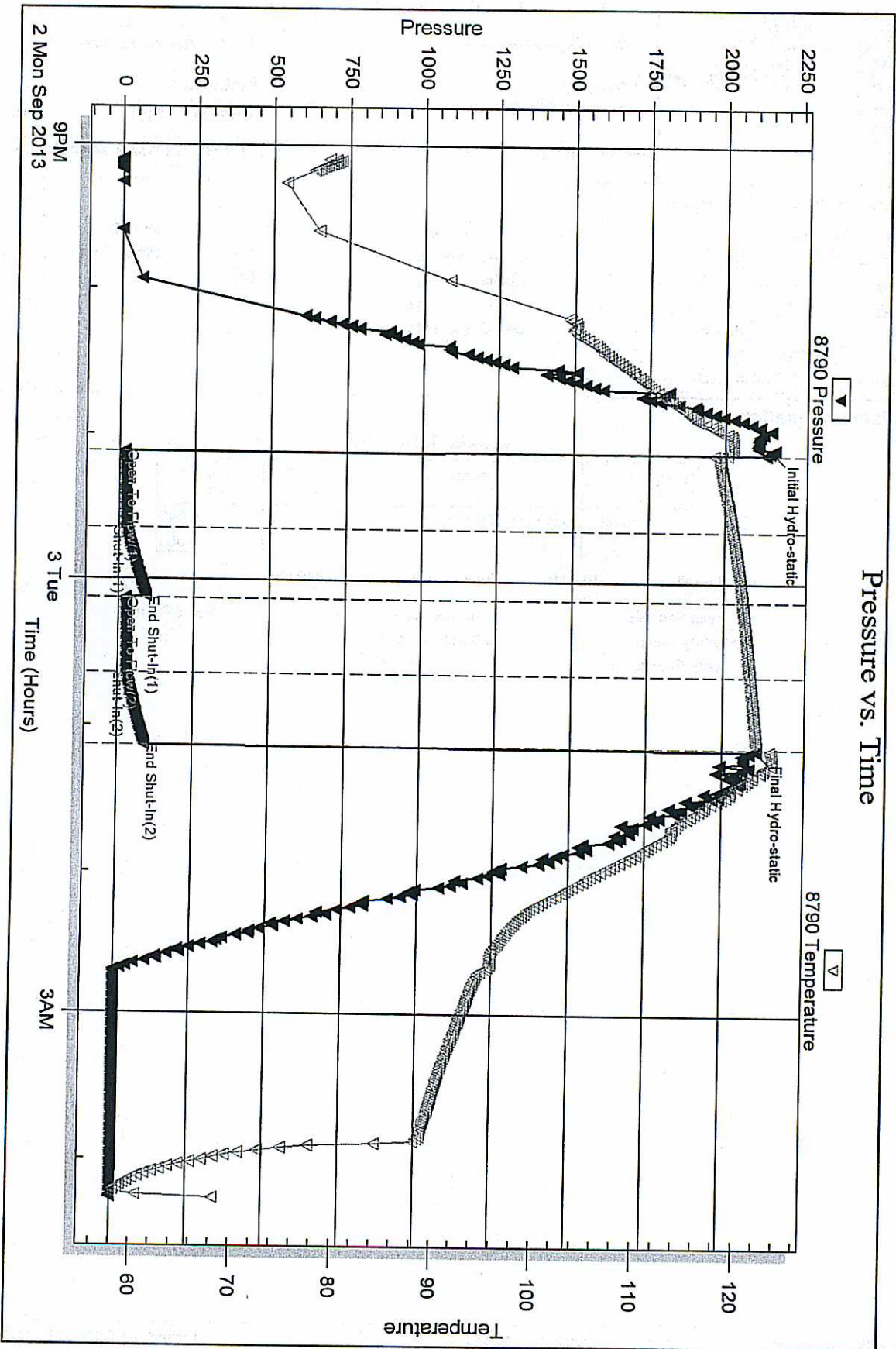
Inside

Wildcat Oil and Gas LLC

McLeod #1

DST Test Number: 2

Pressure vs. Time



Triblobe Testing, Inc

Ref. No: 52453

Printed: 2013.09.06 @ 09:39:04

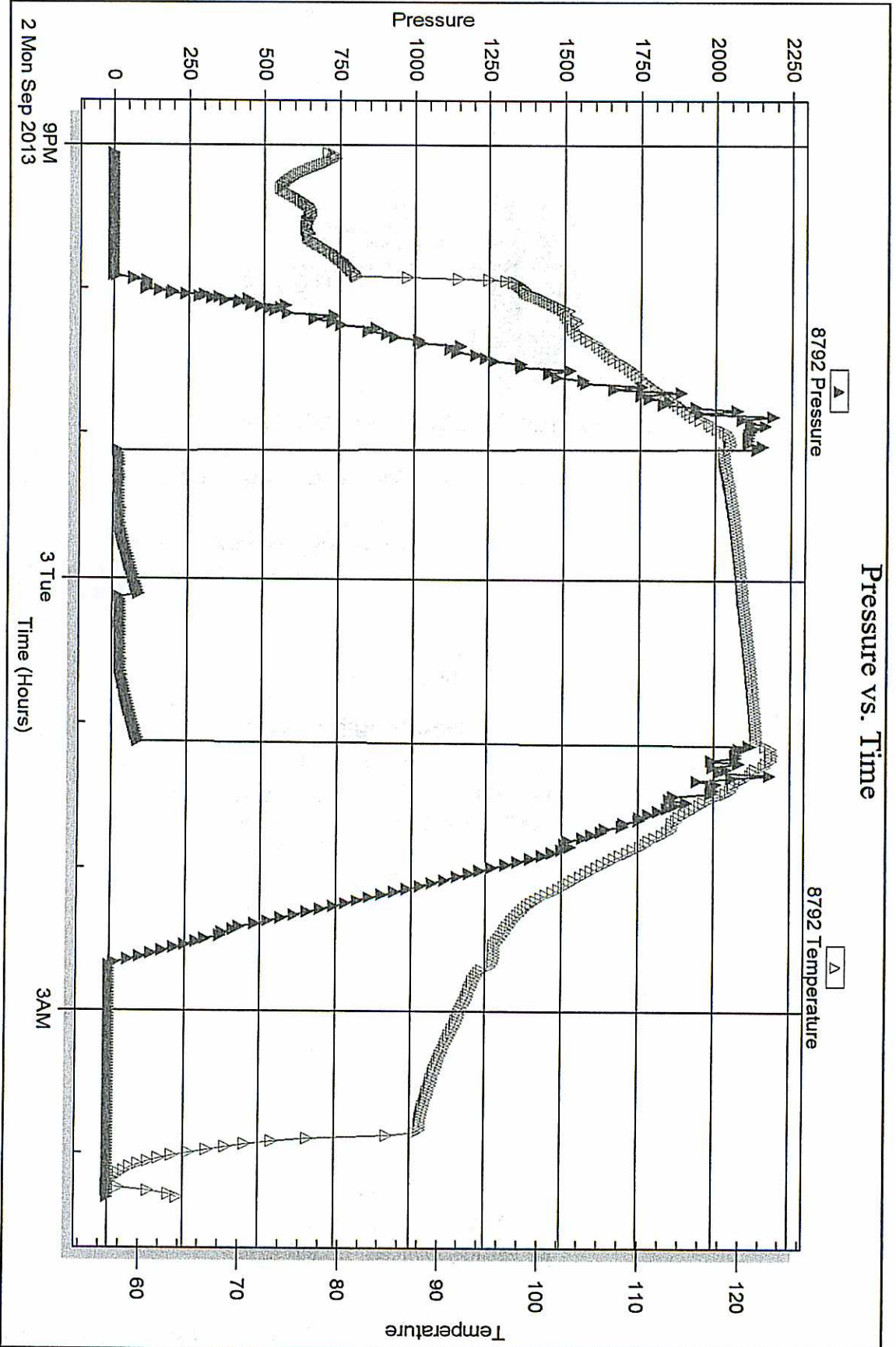
Serial #: 8792

Outside Wildcat Oil and Gas LLC.

McLeod #1

DST Test Number: 2

Pressure vs. Time





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Wildcat Oil and Gas LLC.**

PO Box 40
Spivey, KS 67142-0040

ATTN: Terry

McLeod #1

11-30s-8w Kingman,KS

Start Date: 2013.09.03 @ 17:00:42

End Date: 2013.09.04 @ 01:15:27

Job Ticket #: 52454 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.09.06 @ 09:37:53



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Wildcat Oil and Gas LLC.

11-30s-8w Kingman, KS

PO Box 40
Spivey, KS 67142-0040

McLeod #1

Job Ticket: 52454

DST#: 3

ATTN: Terry

Test Start: 2013.09.03 @ 17:00:42

GENERAL INFORMATION:

Formation: Simpson Sd.

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:11:27

Time Test Ended: 01:15:27

Test Type: Conventional Bottom Hole (Reset)

Tester: Ryan Reynolds

Unit No: 48

Interval: 4537.00 ft (KB) To 4562.00 ft (KB) (TVD)

Total Depth: 4562.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1536.00 ft (KB)

1526.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8790

Inside

Press@RunDepth: 503.25 psig @ 4538.00 ft (KB)

Start Date: 2013.09.03

End Date:

2013.09.04

Capacity:

8000.00 psig

Start Time: 17:00:47

End Time:

01:15:26

Last Calib.:

2013.09.04

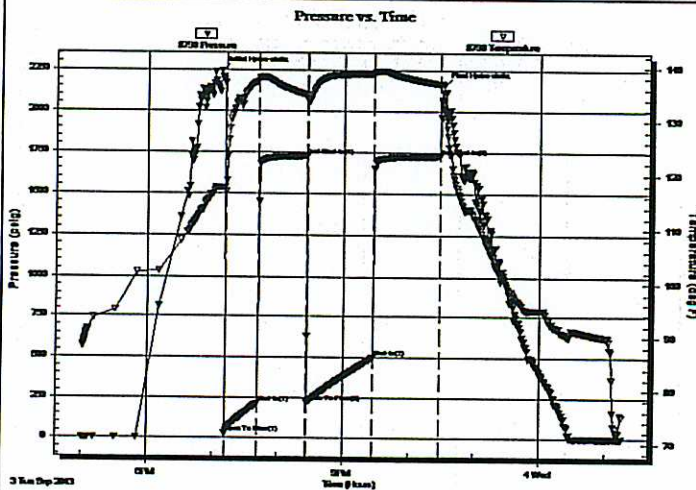
Time On Btm:

2013.09.03 @ 19:07:27

Time Off Btm:

2013.09.03 @ 22:31:27

TEST COMMENT: IF: Strong blow . BOB @ 12 min. No GTS.
IS: Weak blow . surf. - 3/4"
FF: Strong blow . BOB @ 13 min. NO GTS.
FSI: Weak blow . surf. - 2"



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2245.07	117.67	Initial Hydro-static
4	27.71	116.84	Open To Flow (1)
35	218.29	137.46	Shut-In(1)
79	1724.10	134.82	End Shut-In(1)
80	223.13	134.09	Open To Flow (2)
140	503.25	138.78	Shut-In(2)
202	1724.10	136.85	End Shut-In(2)
204	2157.40	132.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1050.00	GMCW 5%gas, 10%mud, 85%w tr	13.64

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Wildcat Oil and Gas LLC.
PO Box 40
Spivey, KS 67142-0040
ATTN: Terry

11-30s-8w Kingman, KS
McLeod #1
Job Ticket: 52454 DST#: 3
Test Start: 2013.09.03 @ 17:00:42

Tool Information

Drill Pipe:	Length: 4426.00 ft	Diameter: 3.80 inches	Volume: 62.09 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 62.68 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 72000.00 lb
Depth to Top Packer:	4537.00 ft			Final 77000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	47.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			4520.00	
Hydraulic tool	5.00			4525.00	
Safety Joint	2.00			4527.00	
packer	5.00			4532.00	
Packer	5.00			4537.00	22.00 Bottom Of Top Packer
Stubb	1.00			4538.00	
Recorder	0.00	8790	Inside	4538.00	
Recorder	0.00	8792	Outside	4538.00	
Perforations	21.00			4559.00	
Bullnose	3.00			4562.00	25.00 Anchor Tool
Total Tool Length:	47.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Wildcat Oil and Gas LLC.

11-30s-8w Kingman,KS

PO Box 40
Spivey, KS 67142-0040

McLeod #1

Job Ticket: 52454

DST#: 3

ATTN: Terry

Test Start: 2013.09.03 @ 17:00:42

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:

61000 ppm

Viscosity: 57.00 sec/qt

Cushion Volume:

bbf

Water Loss: 9.58 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
1050.00	GMCW 5%gas, 10%mud, 85%w tr	13.636

Total Length: 1050.00 ft

Total Volume: 13.636 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 8790

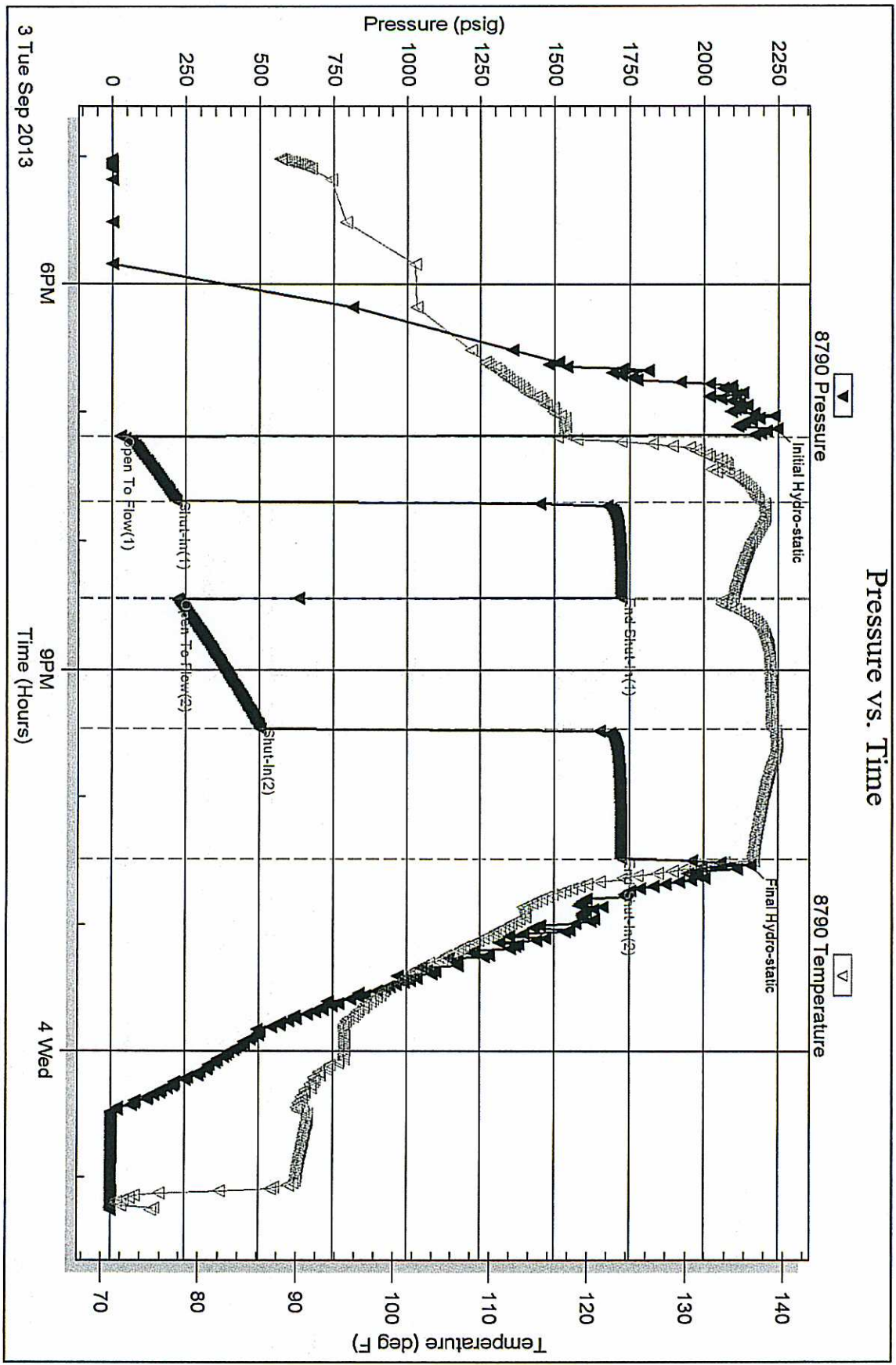
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Wildcat Oil and Gas LLC.

MbLead #1

DST Test Number: 3

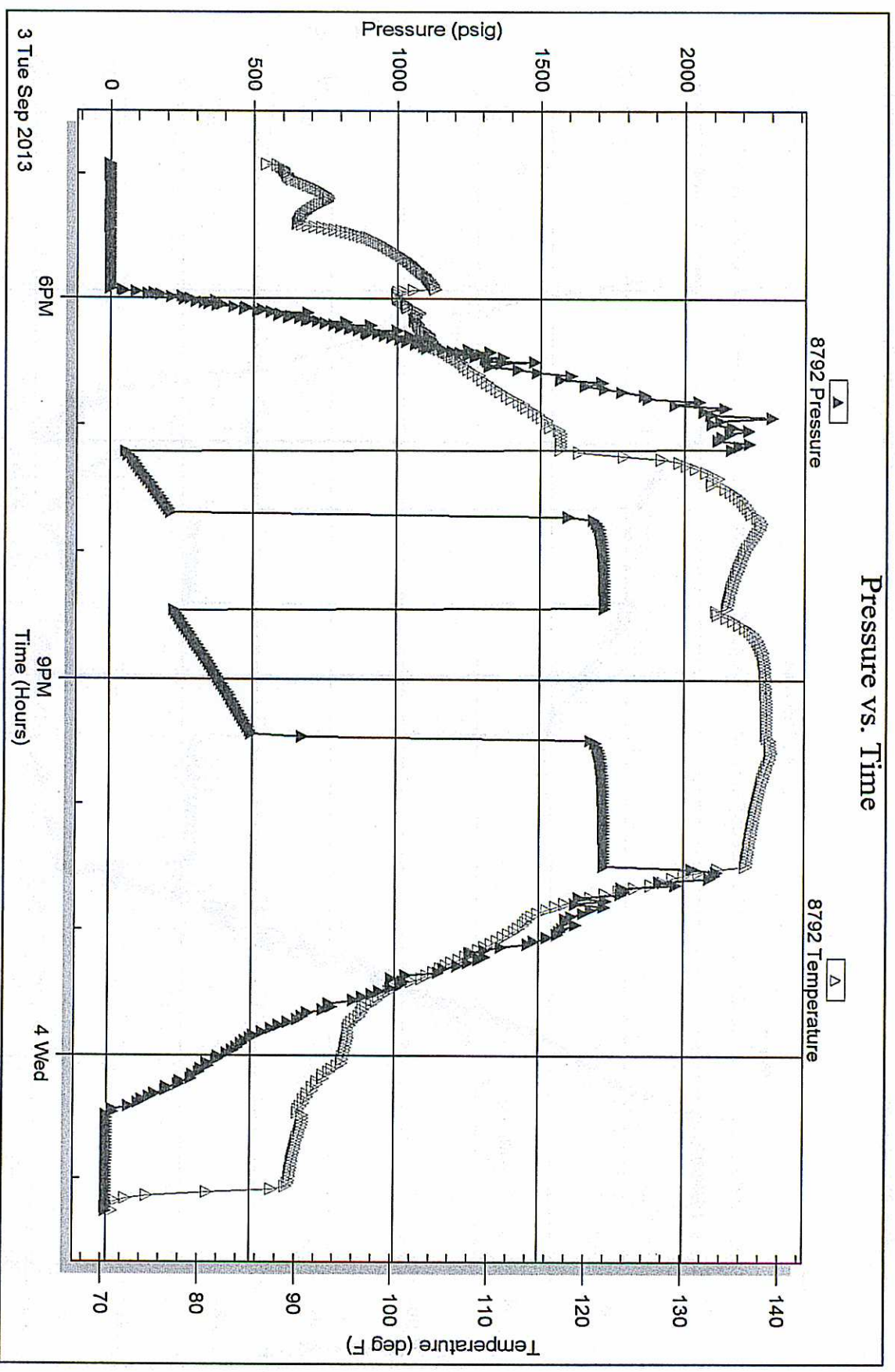
Pressure vs. Time



Triobite Testing, Inc

Ref. No: 52454

Printed: 2013.09.06 @ 09:37:54





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52452

Well Name & No. McLead #1 Test No. 1 Date 9-1-13
 Company Wildcat O & G, LLC. Elevation 1536 KB 1526 GL
 Address P.O. Box 40 Spivey, KS 67142-0040
 Co. Rep / Geo. Terry Rig Hardt Drlg #1
 Location: Sec. 11 Twp. 30s. Rge. 8w. Co. Kingman State KS

Interval Tested 4090-4190 Zone Tested Mississippi
 Anchor Length 100 Drill Pipe Run 3961 Mud Wt. 9.2
 Top Packer Depth 4085 Drill Collars Run 120 Vis 56
 Bottom Packer Depth 4090 Wt. Pipe Run Ø WL 9.0
 Total Depth 4190 Chlorides 3000 ppm System LCM 2*

Blow Description IF: Strong blow, BOB @ 2 min, GTSE @ 21 min.

IST: No blow

FF: Strong blow, BOB immersed, Gauged gas throughout.

FSI: No blow.

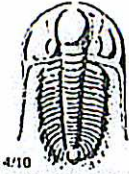
Rec	Feet of	%gas	%oil	%water	%mud
<u>120</u>	<u>Ø 6 CM</u>	<u>10</u>	<u>7</u>	<u>Ø</u>	<u>83</u>
<u>120</u>	<u>Ø 6 CM</u>	<u>15</u>	<u>7</u>	<u>Ø</u>	<u>78</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 240 BHT 123 Gravity N/C API RN N/C @ N/C °F Chlorides 3000 ppm

(A) Initial Hydrostatic 2025 Test 1250 T-On Location 1300
 (B) First Initial Flow 51 Jars T-Started 1356
 (C) First Final Flow 74 Safety Joint 75 T-Open 1534
 (D) Initial Shut-In 223 Circ Sub T-Pulled 1950
 (E) Second Initial Flow 65 Hourly Standby T-Out 2251
 (F) Second Final Flow 149 Mileage 94 145.70 Comments
 (G) Final Shut-In 226 Sampler
 (H) Final Hydrostatic 1994 Straddle Ruined Shale Packer
 Shale Packer Ruined Packer
 Extra Packer Extra Copies
 Extra Recorder Sub Total 0
 Day Standby Total 1470.70
 Accessibility MP/DST Disc't

Sub Total 1470.70
Approved By [Signature] Our Representative Ryan Reynolds

Trilobite Testing Inc. shall not be liable for damaged or any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52453

Well Name & No. M-Lead #1 Test No. 2 Date 9-2-13
 Company Wildcat O&G, LLC Elevation 1536 KB 1526 GL
 Address P.O. Box 40 Spivey, KS 67142-0040
 Co. Rep / Geo. Terry Rig Hardt 1
 Location: Sec. 11 Twp. 30s. Rge. 8w. Co. Kingman State Ks

Interval Tested 4400-4530 Zone Tested Viola
 Anchor Length 130 Drill Pipe Run 4271 Mud Wt. 9.2
 Top Packer Depth 4395 Drill Collars Run 120 Vis 40
 Bottom Packer Depth 4400 Wt. Pipe Run Ø WL 10.4
 Total Depth 4530 Chlorides 5000 ppm System LCM 4"

Blow Description IF: Weak blow. 1/4" - surf.
ISI: No blow.
FF: Weak surf. blow.
FSI: No blow.

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>ETP</u>	<u>100</u>			
<u>10</u>	<u>Dr. lg mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 70 BHT 123 Gravity N/C API RW N/C @ N/C °F Chlorides 5000 ppm
 (A) Initial Hydrostatic 2152 Test 1250 T-On Location 2045
 (B) First Initial Flow 17 Jars T-Started 2106
 (C) First Final Flow 23 Safety Joint 75 T-Open 2307
 (D) Initial Shut-In 90 Circ Sub T-Pulled 0107
 (E) Second Initial Flow 21 Hourly Standby T-Out 0417
 (F) Second Final Flow 28 Mileage 94 145.70 Comments _____
 (G) Final Shut-In 89 Sampler _____
 (H) Final Hydrostatic 2111 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Packer _____
 Extra Recorder _____
 Initial Open 30 Day Standby _____
 Initial Shut-In 30 Accessibility _____
 Final Flow 30 Sub Total 1720.70
 Final Shut-In 30 MP/DST Disc't _____

Approved By Jay D. Miller Our Representative Ryan Reynolds

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 52454

Well Name & No. McLeod #1 Test No. 3 Date 9-3-13
 Company Wildcat O & G, LLC Elevation 1536 KB 1526 GL
 Address P.O. Box 40 Spivey, KS 67142 - 0040
 Co. Rep / Geo. Terry Rig Hardt 1
 Location: Sec. 11 Twp. 30s. Rge. 8w. Co. Kingman State KS

Interval Tested 4537 - 4562 Zone Tested Simpson sd.
 Anchor Length 25' Drill Pipe Run 4426 Mud Wt. 8.9
 Top Packer Depth 4532 Drill Collars Run 120 Vis 57
 Bottom Packer Depth 4537 Wt. Pipe Run Ø WL 9.6
 Total Depth 4562 Chlorides 6000 ppm System LCM 4#

Blow Description IF: Strong blow. BOB @ 12 min. No GTS
FSI: Weak blow. surf. - 3/4"
FE: Strong blow. BOB @ 13 min. No GTS.
FSI: Weak blow. surf. - 2"

Rec	Feet of	%gas	%oil	%water	%mud
<u>1050</u>	<u>GMCW</u>	<u>5</u>	<u>Ø</u>	<u>85</u>	<u>10</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1050 BHT 139 Gravity N/L API RW Ø 11 @ 80 °F Chlorides 6100 ppm

(A) Initial Hydrostatic 2245 Test 1250 T-On Location 1645
 (B) First Initial Flow 28 Jars _____ T-Started 1701
 (C) First Final Flow 218 Safety Joint 75 T-Open 1911
 (D) Initial Shut-In 1724 Circ Sub _____ T-Pulled 2227
 (E) Second Initial Flow 223 Hourly Standby _____ T-Out Ø 15
 (F) Second Final Flow 503 Mileage 94 145.70 Comments _____
 (G) Final Shut-In 1724 Sampler _____
 (H) Final Hydrostatic 2157 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____

Initial Open 30 Extra Packer _____
 Initial Shut-In 45 Extra Recorder _____
 Final Flow 60 Day Standby _____
 Final Shut-In 60 Accessibility _____
 Sub Total 1470.70 MP/DST Disc't _____

Approved By _____ Our Representative Ryan Reynolds
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.