



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1191128
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: _____

1191128

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	American Warrior, Inc.
Well Name	Brookover 8-4
Doc ID	1191128

Tops

Name	Top	Datum
Anhy	1863'	+1033
B/Anhy	1936'	+960
Heebner	3904'	-1008
Lansing	3950'	-1054
B/KC	4464'	-1568
Marmaton	4505'	-1609
Pawnee	4553'	-1657
Morrow	4798'	-1902
Mississippian	4864'	-1968

ALLIED OIL & GAS SERVICES, LLC 052380

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:
Liberal ks

DATE <u>01-24-14</u>	SEC. <u>8</u>	TWP. <u>25</u>	RANGE <u>32W</u>	CALLED OUT	ON LOCATION	JOB START <u>11:00pm</u>	JOB FINISH <u>2:00am</u>
LEASE <u>Brookover</u>		WELL# <u>8-4</u>		LOCATION <u>Garden City, S on 83 to Mile</u>		COUNTY <u>Finney</u>	STATE <u>Ks.</u>
OLD OR NEW (Circle one)				<u>Marker 65, E + S into</u>			

CONTRACTOR <u>Duke Rig #5</u>	OWNER <u>Palmer Oil Inc</u>
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 1/4</u> T.D. <u>1740 + ft</u>	CEMENT
CASING SIZE <u>8 7/8 24 #</u> DEPTH <u>1738 ft</u>	AMOUNT ORDERED <u>700 sk 65/35/67 Gel,</u>
TUBING SIZE _____ DEPTH _____	<u>3% CC, 1/4 lb/sk Flsdc</u>
DRILL PIPE _____ DEPTH _____	<u>200 sk "A" 3% CC, 1/4 lb/sk Flsdc</u>
TOOL _____ DEPTH _____	
PRES. MAX <u>1200 PSI</u> MINIMUM _____	COMMON <u>"A" 200 sk @ 17.90 3,580.00</u>
MEAS. LINE _____ SHOE JOINT <u>41.75 ft</u>	POZMIX _____ @ _____
CEMENT LEFT IN CSG. <u>2.66 BBIs</u>	GEL _____ @ _____
PERFS. _____	CHLORIDE <u>30 sk @ 64.00 1920.00</u>
DISPLACEMENT <u>1DB BBIs</u>	ASC _____ @ _____
EQUIPMENT	<u>Alwc 1 "A" 700 sk @ 16.50 11,550.00</u>
	<u>Flsdc 225 lb @ 2.97 668.25</u>
PUMP TRUCK CEMENTER <u>Ruben Chavez</u>	
# <u>531-541</u> HELPER <u>Jaime Torres</u>	
BULK TRUCK	
# <u>705-B642</u> DRIVER <u>Ricardo Landa</u>	
BULK TRUCK	
# <u>456-467</u> DRIVER <u>Deedrick Green</u>	
	HANDLING <u>961 w ft @ 2.48 2,383.28</u>
	MILEAGE <u>2030 Ton M. @ 2.60 5,278.00</u>

REMARKS:
1" Top off = 200sk "A" 2% CC
3,580.00
CC 5 sk 64.00 320.00
MAT Handling 205 x 2.48 508.40
Mileage 480 Ton M. @ 2.60 1248.00
4,408.40

TOTAL	<u>4,408.40</u>
SERVICE	<u>29,787.93</u>
DEPTH OF JOB _____	<u>1,738 ft</u>
PUMP TRUCK CHARGE _____	<u>2,213.75</u>
EXTRA FOOTAGE _____ @ _____	
MILEAGE heavy 50 M. @ 7.70 _____	<u>385.00</u>
MANIFOLD head 1 @ 2.75 _____	<u>275.00</u>
Light vehicle 50 M. @ 4.40 _____	<u>220.00</u>
Stand by hours 6 @ 440 _____	<u>2,640.00</u>
	TOTAL <u>5,733.75</u>

CHARGE TO: Palmer Oil Inc
STREET _____
CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

Guide Shoe 1 @ 460.00	<u>460.00</u>
AFU Float Valve 1 @ 447.00	<u>447.00</u>
Centralizers 3 @ 75.00	<u>225.00</u>
Cement Basket 1 @ 560.00	<u>560.00</u>
Top rubber plug 1 @ 131.00	<u>131.00</u>
	TOTAL <u>1,823.00</u>

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 37,344.68
DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME KENNETH McGUIRE
SIGNATURE Kenneth McGUIRE

NET = 29,875.74

ALLIED OIL & GAS SERVICES, LLC 052144

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Liberal 21

DATE <u>2-3-14</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START <u>1800</u>	JOB FINISH <u>1900</u>
LEASE <u>Brookside</u>	WELL # <u>4-4</u>	LOCATION <u>Coarden City B to MM 96</u>			COUNTY <u>Finney</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			E on main Rd				

CONTRACTOR DuKa S OWNER _____

TYPE OF JOB PTA

HOLE SIZE	T.D.
CASING SIZE	DEPTH
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG.	
PERFS.	
DISPLACEMENT	

CEMENT AMOUNT ORDERED 260 sk 60/40 -4
1/4" Fl Seal

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Kipky H</u>
# <u>531-541</u>	HELPER <u>Jaimie Torres</u>
BULK TRUCK	
# <u>472-554</u>	DRIVER <u>Decedrick G</u>
BULK TRUCK	
#	DRIVER

COMMON	<u>156 sk @ 17.90</u>	<u>2792.40</u>
POZMIX	<u>104 sk @ 9.35</u>	<u>972.40</u>
GEL	<u>9 sk @ 23.40</u>	<u>210.60</u>
CHLORIDE <u>Fl Seal 65Lb</u>	<u>@ 2.91</u>	<u>193.95</u>
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING	<u>272 ft³ @ 2.48</u>	<u>674.56</u>
MILEAGE	<u>583M @ 2.69</u>	<u>1556.87</u>
TOTAL		<u>6358.81</u>

REMARKS:

- 50 sk @ 1950 ft
- 50 sk @ 1770 ft
- 50 sk @ 930 ft
- 40 sk @ 430 ft
- 20 sk @ 30 ft
- 30 sk - Ret
- 20 sk - Mouse

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		<u>2249.84</u>
EXTRA FOOTAGE	@	
MILEAGE	<u>50MT @ 7.70</u>	<u>385.00</u>
MANIFOLD	@	
	<u>50MT @ 4.40</u>	<u>220.00</u>
	@	
TOTAL		<u>2854.84</u>

CHARGE TO: Palmer

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
_____	@	_____
TOTAL		<u>0</u>

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.

PRINTED NAME KENNETH MCGUIRE

SIGNATURE Kenneth McGuire

SALES TAX (If Any) _____

TOTAL CHARGES 9,213.65

DISCOUNT _____ IF PAID IN 30 DAYS

Net = 7,370.93



DRILL STEM TEST REPORT

Prepared For: **Palmer Oil, Inc.**

PO Box 399
Garden City KS 67846

ATTN: Kevin Timson

Brodeover #8-4

8 25s 32w Finney, KS

Start Date: 2014.01.30 @ 13:20:00

End Date: 2014.01.30 @ 21:58:45

Job Ticket #: 55692 DST #: 1

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

Printed: 2014.02.04 @ 14:10:21



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palmer Oil, Inc.
PO Box 399
Garden City KS 67846
ATTN: Kevin Timson

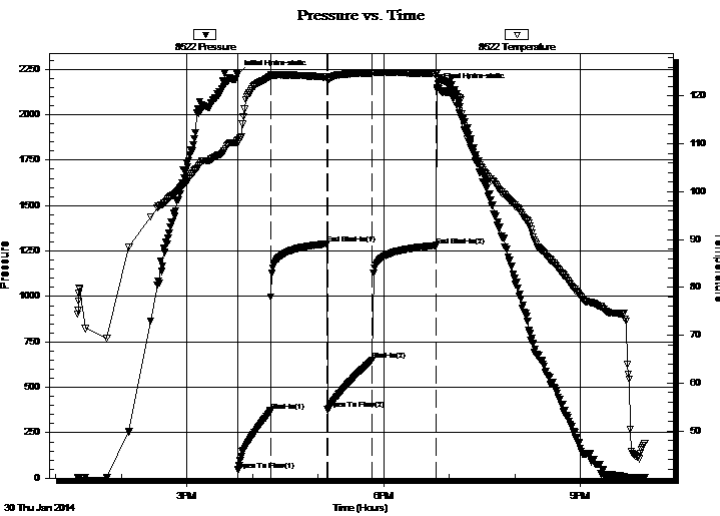
8 25s 32w Finney, KS
Brodeover #8-4
Job Ticket: 55692 **DST#: 1**
Test Start: 2014.01.30 @ 13:20:00

GENERAL INFORMATION:

Formation: **Pawnee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:46:45
Time Test Ended: 21:58:45
Interval: **4556.00 ft (KB) To 4569.00 ft (KB) (TVD)**
Total Depth: 4569.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Test Type: Conventional Bottom Hole (Initial)
Tester: Bradley Walter
Unit No: 69
Reference Elevations: 2896.00 ft (KB)
2884.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8522 Outside
Press@RunDepth: 648.31 psig @ 4557.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2014.01.30 End Date: 2014.01.30 Last Calib.: 2014.01.30
Start Time: 13:20:05 End Time: 21:58:45 Time On Btm: 2014.01.30 @ 15:46:30
Time Off Btm: 2014.01.30 @ 18:49:00

TEST COMMENT: IF: BOB @ 4 min.
IS: No return.
FF: BOB @ 4 min.
FS: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2220.53	110.85	Initial Hydro-static
1	46.10	109.94	Open To Flow (1)
30	370.62	124.01	Shut-In(1)
82	1289.62	123.92	End Shut-In(1)
83	379.04	123.48	Open To Flow (2)
123	648.31	124.67	Shut-In(2)
182	1280.55	124.57	End Shut-In(2)
183	2147.14	124.74	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1390.00	Smcw 3m 97w (oil specs on top)	16.09

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palmer Oil, Inc.
PO Box 399
Garden City KS 67846
ATTN: Kevin Timson

8 25s 32w Finney, KS
Brodeover #8-4
Job Ticket: 55692 **DST#: 1**
Test Start: 2014.01.30 @ 13:20:00

Tool Information

Drill Pipe:	Length: 4300.00 ft	Diameter: 3.80 inches	Volume: 60.32 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 243.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 89000.00 lb
			<u>Total Volume: 60.32 bbl</u>	Tool Chased 3.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 71000.00 lb
Depth to Top Packer:	4556.00 ft			Final 77000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	13.00 ft			
Tool Length:	40.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			4530.00	
Shut In Tool	5.00			4535.00	
Hydraulic tool	5.00			4540.00	
Jars	5.00			4545.00	
Safety Joint	2.00			4547.00	
Packer	5.00			4552.00	27.00 Bottom Of Top Packer
Packer	4.00			4556.00	
Stubb	1.00			4557.00	
Recorder	0.00	8678	Inside	4557.00	
Recorder	0.00	8522	Outside	4557.00	
Perforations	9.00			4566.00	
Bullnose	3.00			4569.00	13.00 Bottom Packers & Anchor

Total Tool Length: 40.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palmer Oil, Inc.
PO Box 399
Garden City KS 67846
ATTN: Kevin Timson

8 25s 32w Finney, KS
Brodeover #8-4
Job Ticket: 55692 **DST#: 1**
Test Start: 2014.01.30 @ 13:20:00

Mud and Cushion Information

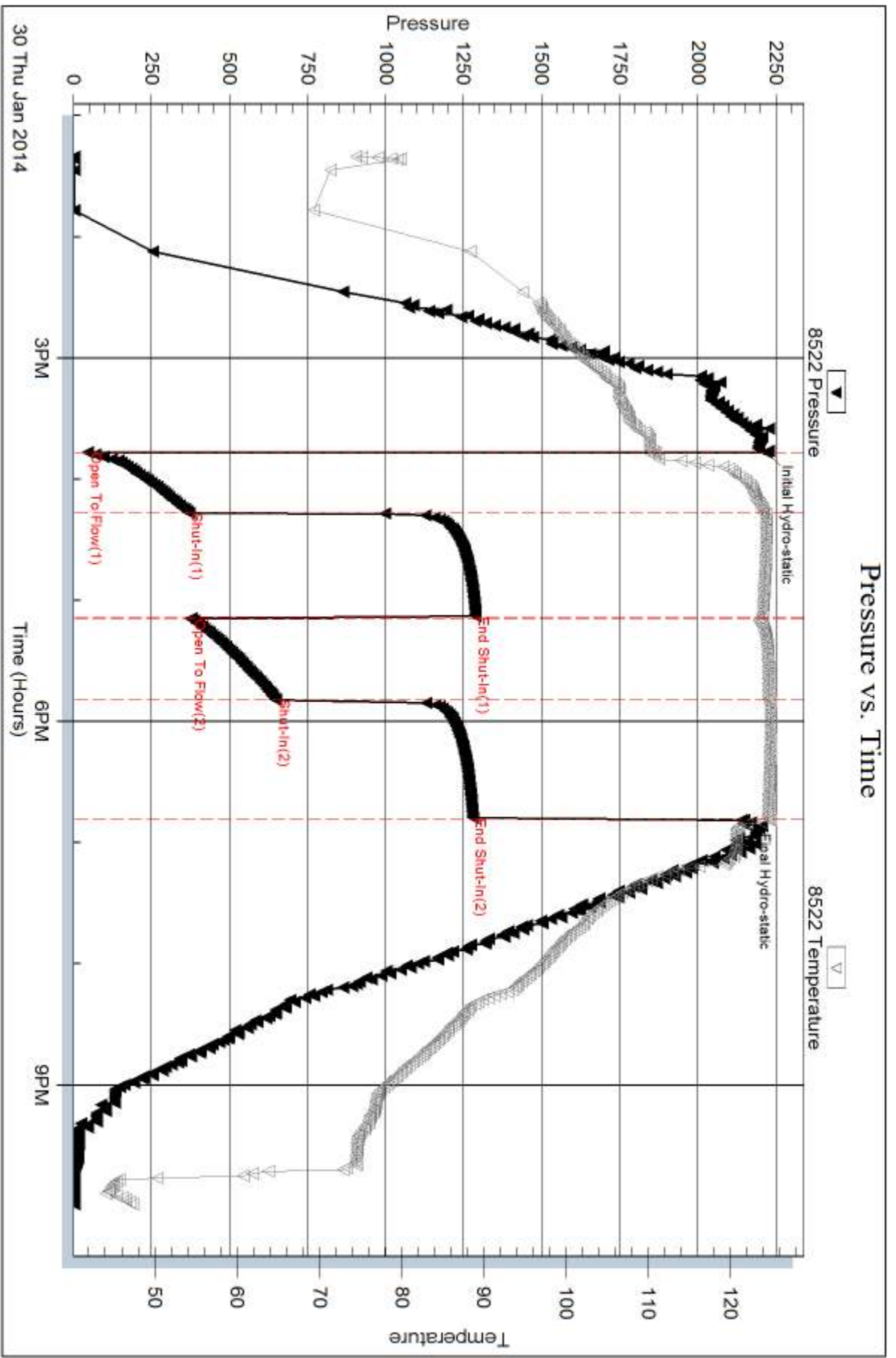
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.39 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 1500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1390.00	Smcw 3m 97w (oil specs on top)	16.089

Total Length: 1390.00 ft Total Volume: 16.089 bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: rw is .121 @ 48F = 92,000ppm



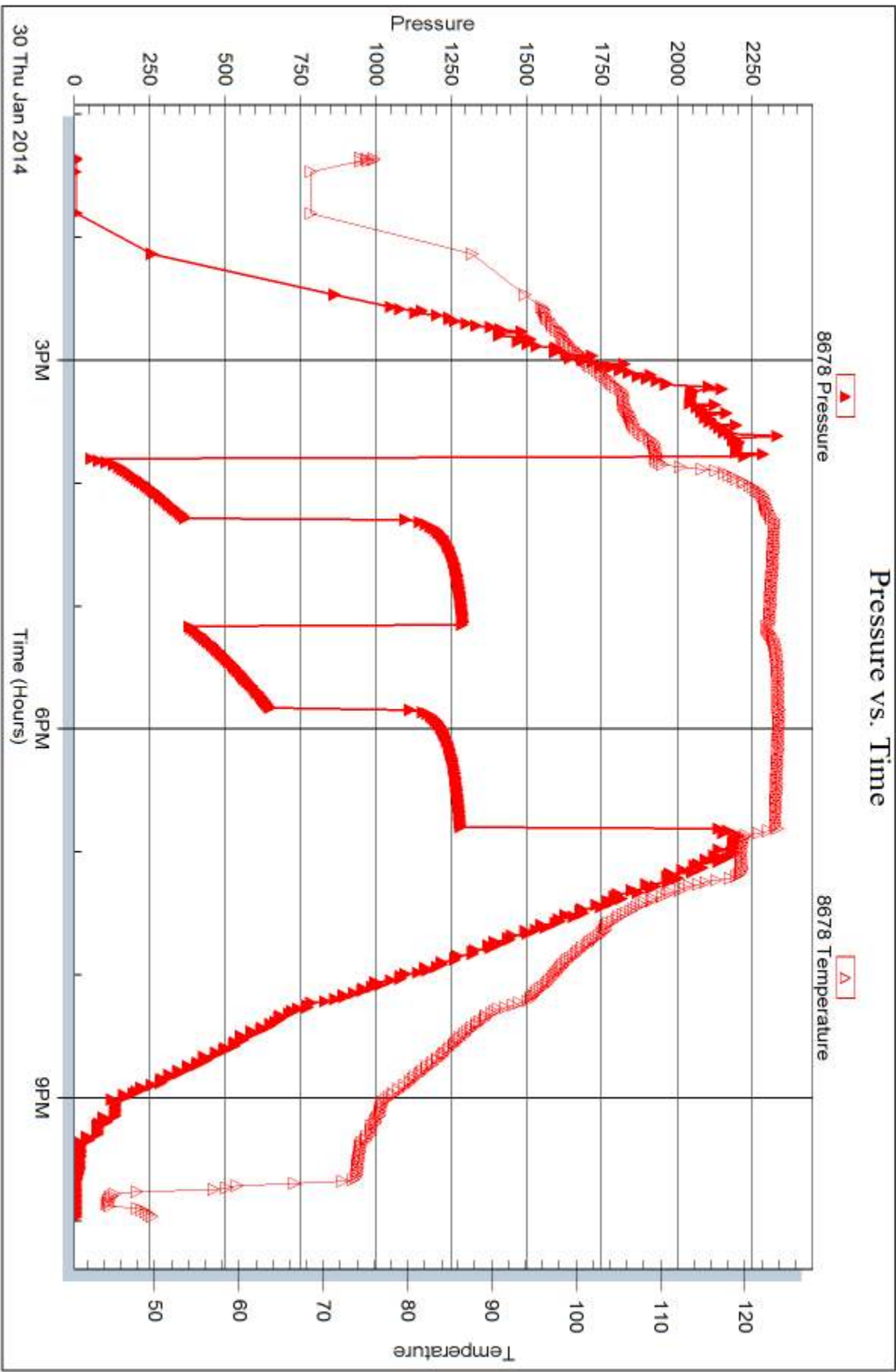
Serial #: 8678

Inside

Palmer Oil, Inc.

Brodeover #8-4

DST Test Number: 1



Trilobite Testing, Inc

Ref. No: 55692

Printed: 2014.02.04 @ 14:10:24



DRILL STEM TEST REPORT

Prepared For: **Palmer Oil, Inc.**

PO Box 399
Garden City KS 67846

ATTN: Kevin Timson

Brodeover #8-4

8 25s 32w Finney, KS

Start Date: 2014.02.01 @ 03:09:00

End Date: 2014.02.01 @ 09:34:00

Job Ticket #: 55693 DST #: 2

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

Printed: 2014.02.04 @ 14:09:50



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Palmer Oil, Inc.
 PO Box 399
 Garden City KS 67846
 ATTN: Kevin Timson

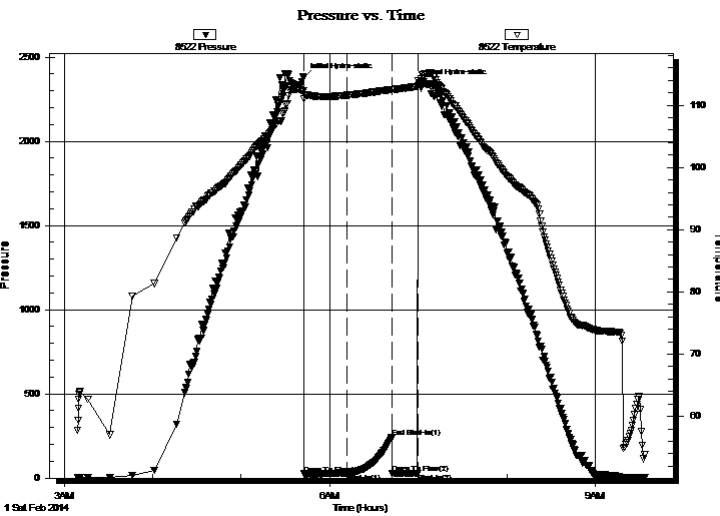
8 25s 32w Finney, KS
Brodeover #8-4
 Job Ticket: 55693 **DST#: 2**
 Test Start: 2014.02.01 @ 03:09:00

GENERAL INFORMATION:

Formation: **Morrow**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 05:42:30
 Time Test Ended: 09:34:00
Interval: 4787.00 ft (KB) To 4830.00 ft (KB) (TVD)
 Total Depth: 4830.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 69
 Reference Elevations: 2896.00 ft (KB)
 2884.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8522 Outside
 Press@RunDepth: 27.86 psig @ 4788.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.02.01 End Date: 2014.02.01 Last Calib.: 2014.02.01
 Start Time: 03:09:05 End Time: 09:33:59 Time On Btm: 2014.02.01 @ 05:42:15
 Time Off Btm: 2014.02.01 @ 07:00:45

TEST COMMENT: IF: Surface blow , died @ 15 min.
 IS: No return.
 FF: No Blow
 Pulled test



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2376.97	112.28	Initial Hydro-static
1	24.71	110.99	Open To Flow (1)
30	27.86	111.58	Shut-In(1)
60	240.11	112.52	End Shut-In(1)
60	28.80	112.44	Open To Flow (2)
78	30.30	113.01	Shut-In(2)
79	2341.50	113.63	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100m	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palmer Oil, Inc.
PO Box 399
Garden City KS 67846
ATTN: Kevin Timson

8 25s 32w Finney, KS

Brodeover #8-4

Job Ticket: 55693 **DST#: 2**
Test Start: 2014.02.01 @ 03:09:00

GENERAL INFORMATION:

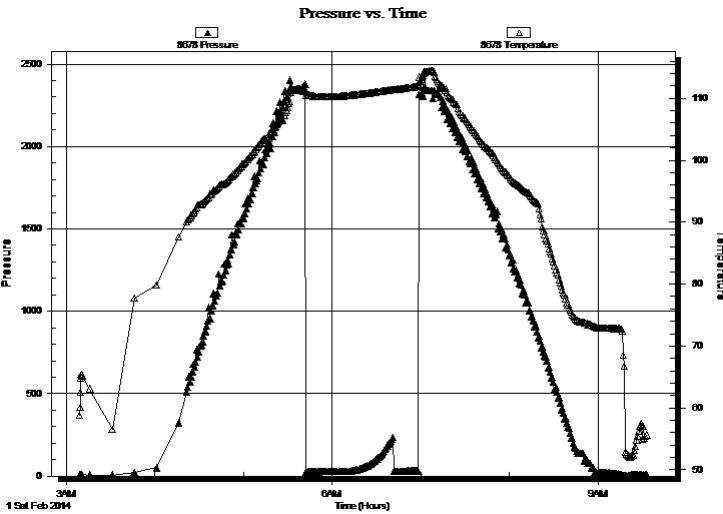
Formation: **Morrow**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:42:30
Time Test Ended: 09:34:00
Interval: **4787.00 ft (KB) To 4830.00 ft (KB) (TVD)**
Total Depth: 4830.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good
Reference Elevations: 2896.00 ft (KB)
2884.00 ft (CF)
KB to GR/CF: 12.00 ft
Test Type: Conventional Bottom Hole (Reset)
Tester: Bradley Walter
Unit No: 69

Serial #: 8678

Inside

Press@RunDepth: psig @ 4788.00 ft (KB)
Capacity: 8000.00 psig
Start Date: 2014.02.01 End Date: 2014.02.01 Last Calib.: 2014.02.01
Start Time: 03:09:05 End Time: 09:32:59 Time On Btm:
Time Off Btm:

TEST COMMENT: IF: Surface blow , died @ 15 min.
IS: No return.
FF: No Blow
Pulled test



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
10.00	Mud 100m	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

Palmer Oil, Inc.
PO Box 399
Garden City KS 67846
ATTN: Kevin Timson

8 25s 32w Finney, KS
Brodeover #8-4
Job Ticket: 55693 **DST#: 2**
Test Start: 2014.02.01 @ 03:09:00

Tool Information

Drill Pipe:	Length: 4537.00 ft	Diameter: 3.80 inches	Volume: 63.64 bbl	Tool Weight:	2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 243.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose:	90000.00 lb
			<u>Total Volume: 63.64 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	20.00 ft			String Weight: Initial	72000.00 lb
Depth to Top Packer:	4787.00 ft			Final	72000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	43.00 ft				
Tool Length:	70.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			4761.00	
Shut In Tool	5.00			4766.00	
Hydraulic tool	5.00			4771.00	
Jars	5.00			4776.00	
Safety Joint	2.00			4778.00	
Packer	5.00			4783.00	27.00 Bottom Of Top Packer
Packer	4.00			4787.00	
Stubb	1.00			4788.00	
Recorder	0.00	8678	Inside	4788.00	
Recorder	0.00	8522	Outside	4788.00	
Perforations	6.00			4794.00	
Change Over Sub	1.00			4795.00	
Drill Pipe	31.00			4826.00	
Change Over Sub	1.00			4827.00	
Bullnose	3.00			4830.00	43.00 Bottom Packers & Anchor

Total Tool Length: 70.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palmer Oil, Inc.
PO Box 399
Garden City KS 67846
ATTN: Kevin Timson

8 25s 32w Finney, KS
Brodeover #8-4
Job Ticket: 55693 **DST#: 2**
Test Start: 2014.02.01 @ 03:09:00

Mud and Cushion Information

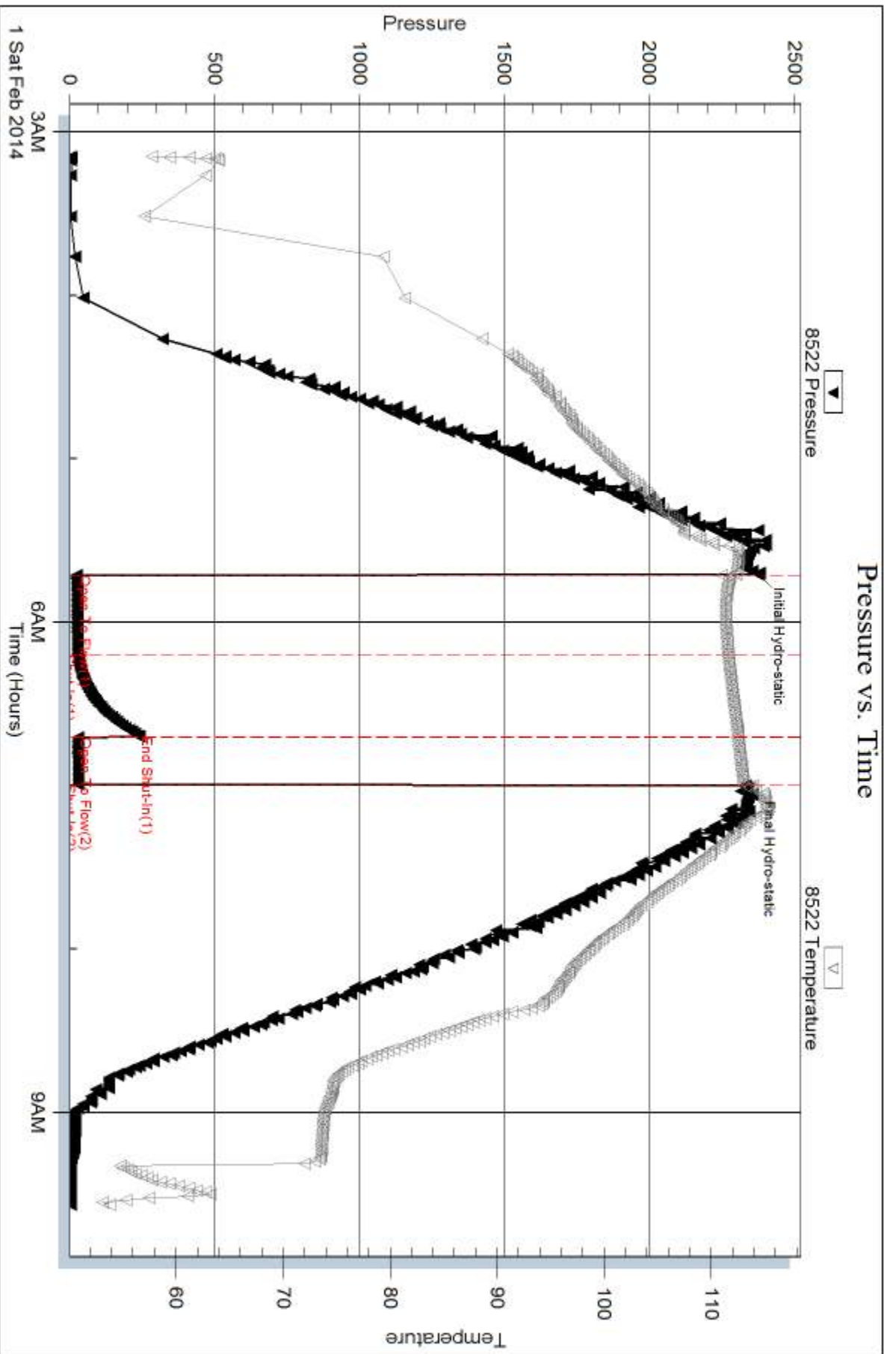
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 46.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.39 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 25500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	Mud 100m	0.000

Total Length: 10.00 ft Total Volume: bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



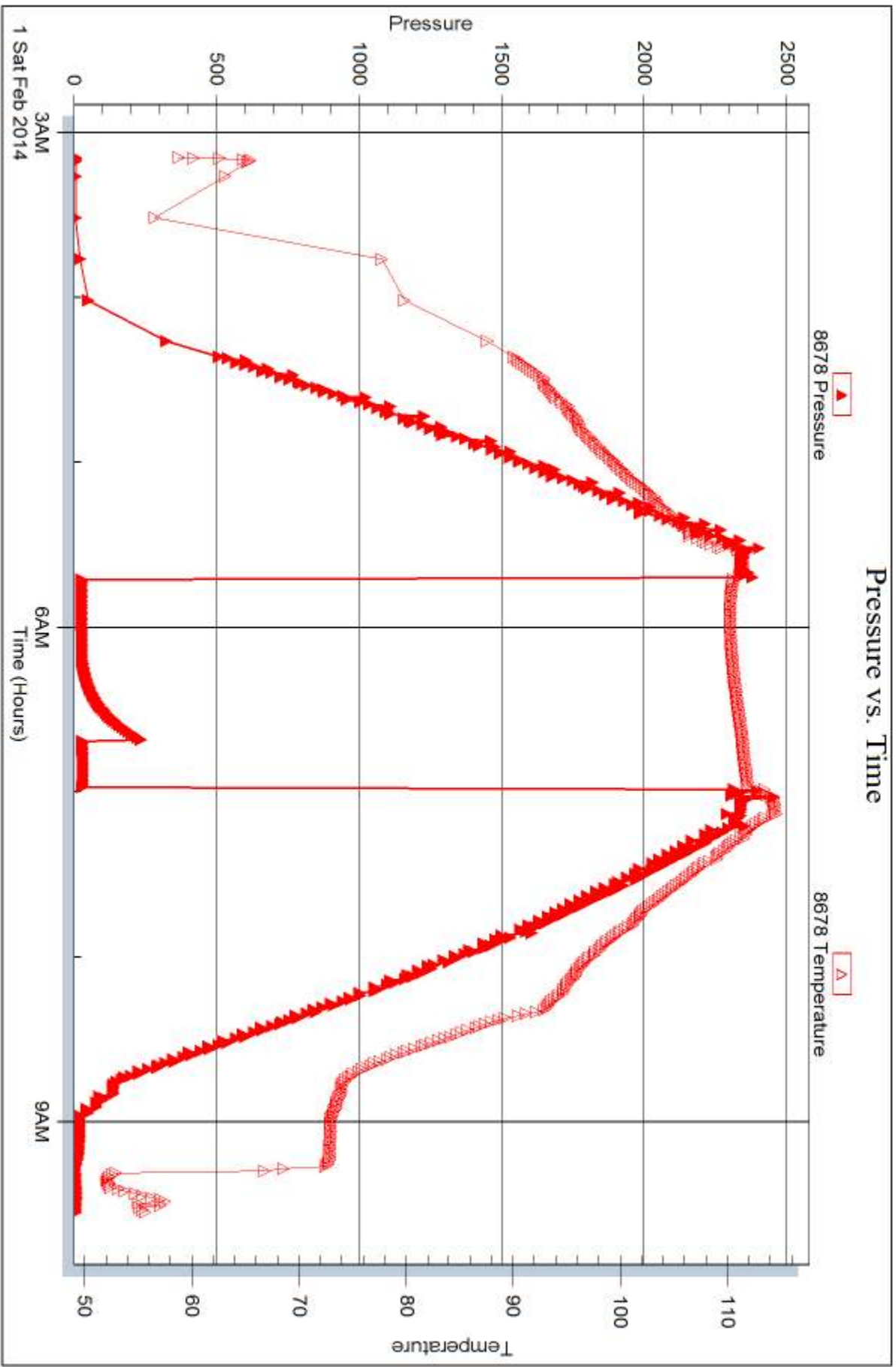
Serial #: 8678

Inside

Palmer Oil, Inc.

Brodeover #8-4

DST Test Number: 2



Trilobite Testing, Inc

Ref. No: 55693

Printed: 2014.02.04 @ 14:09:52



DRILL STEM TEST REPORT

Prepared For: **Palmer Oil, Inc.**

PO Box 399
Garden City KS 67846

ATTN: Kevin Timson

Brodeover #8-4

8 25s 32w Finney, KS

Start Date: 2014.02.01 @ 22:07:00

End Date: 2014.02.02 @ 05:46:45

Job Ticket #: 55694 DST #: 3

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

Printed: 2014.02.04 @ 14:08:50



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palmer Oil, Inc.
PO Box 399
Garden City KS 67846
ATTN: Kevin Timson

8 25s 32w Finney, KS

Brodeover #8-4

Job Ticket: 55694 **DST#: 3**

Test Start: 2014.02.01 @ 22:07:00

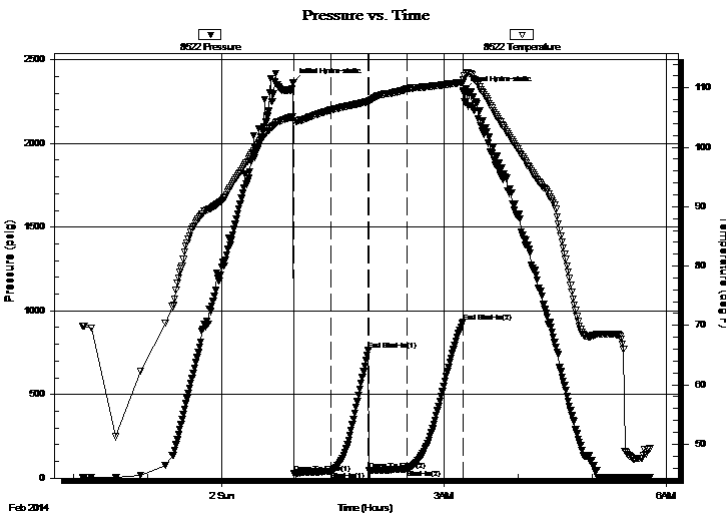
GENERAL INFORMATION:

Formation: **Morrow**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:58:30
 Time Test Ended: 05:46:45
 Interval: **4788.00 ft (KB) To 4886.00 ft (KB) (TVD)**
 Total Depth: 4886.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Bradley Walter
 Unit No: 69
 Reference Elevations: 2896.00 ft (KB)
 2884.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8522 Outside
 Press@RunDepth: 53.57 psig @ 4789.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.02.01 End Date: 2014.02.02 Last Calib.: 2014.02.02
 Start Time: 22:07:05 End Time: 05:46:44 Time On Btm: 2014.02.02 @ 00:57:30
 Time Off Btm: 2014.02.02 @ 03:16:00

TEST COMMENT: IF: 1" blow.
 IS: No return.
 FF: Surface blow.
 FS: No return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2365.83	105.19	Initial Hydro-static
1	28.71	104.47	Open To Flow (1)
31	40.51	106.27	Shut-In(1)
62	765.88	107.71	End Shut-In(1)
62	44.13	107.65	Open To Flow (2)
93	53.57	109.84	Shut-In(2)
138	933.87	110.95	End Shut-In(2)
139	2313.76	111.37	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud 100m	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Palmer Oil, Inc.
PO Box 399
Garden City KS 67846
ATTN: Kevin Timson

8 25s 32w Finney, KS

Brodeover #8-4

Job Ticket: 55694

DST#: 3

Test Start: 2014.02.01 @ 22:07:00

GENERAL INFORMATION:

Formation: **Morrow**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:58:30

Time Test Ended: 05:46:45

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: 4788.00 ft (KB) To 4886.00 ft (KB) (TVD)

Total Depth: 4886.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2896.00 ft (KB)

2884.00 ft (CF)

KB to GR/CF: 12.00 ft

Serial #: 8678

Inside

Press@RunDepth: psig @ 4789.00 ft (KB)

Start Date: 2014.02.01

End Date:

2014.02.02

Start Time: 22:07:05

End Time:

05:45:29

Capacity: 8000.00 psig

Last Calib.:

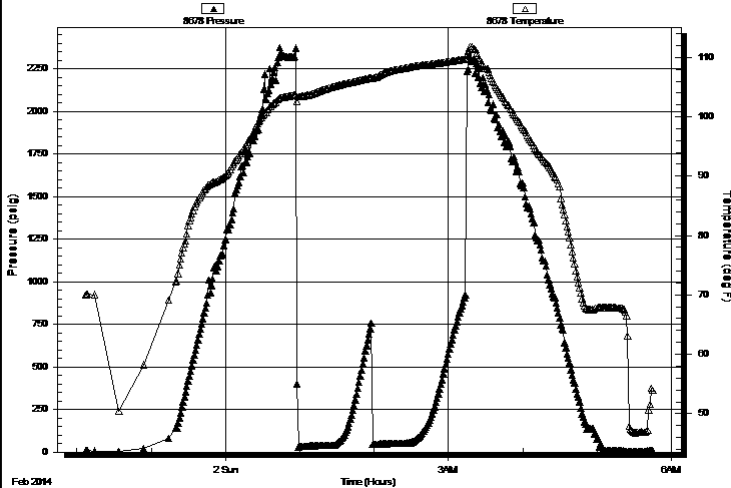
2014.02.02

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: 1" blow.
IS: No return.
FF: Surface blow.
FS: No return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
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Recovery

Length (ft)	Description	Volume (bbl)
60.00	mud 100m	0.00

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Palmer Oil, Inc.
PO Box 399
Garden City KS 67846
ATTN: Kevin Timson

8 25s 32w Finney, KS
Brodeover #8-4
Job Ticket: 55694 **DST#: 3**
Test Start: 2014.02.01 @ 22:07:00

Tool Information

Drill Pipe:	Length: 4548.00 ft	Diameter: 3.80 inches	Volume: 63.80 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 243.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 85000.00 lb
			<u>Total Volume: 63.80 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial 74000.00 lb
Depth to Top Packer:	4788.00 ft			Final 74000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	98.00 ft			
Tool Length:	125.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			4762.00	
Shut In Tool	5.00			4767.00	
Hydraulic tool	5.00			4772.00	
Jars	5.00			4777.00	
Safety Joint	2.00			4779.00	
Packer	5.00			4784.00	27.00 Bottom Of Top Packer
Packer	4.00			4788.00	
Stubb	1.00			4789.00	
Recorder	0.00	8678	Inside	4789.00	
Recorder	0.00	8522	Outside	4789.00	
Perforations	29.00			4818.00	
Change Over Sub	1.00			4819.00	
Drill Pipe	63.00			4882.00	
Change Over Sub	1.00			4883.00	
Bullnose	3.00			4886.00	98.00 Bottom Packers & Anchor

Total Tool Length: 125.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Palmer Oil, Inc.
PO Box 399
Garden City KS 67846
ATTN: Kevin Timson

8 25s 32w Finney, KS
Brodeover #8-4
Job Ticket: 55694 **DST#: 3**
Test Start: 2014.02.01 @ 22:07:00

Mud and Cushion Information

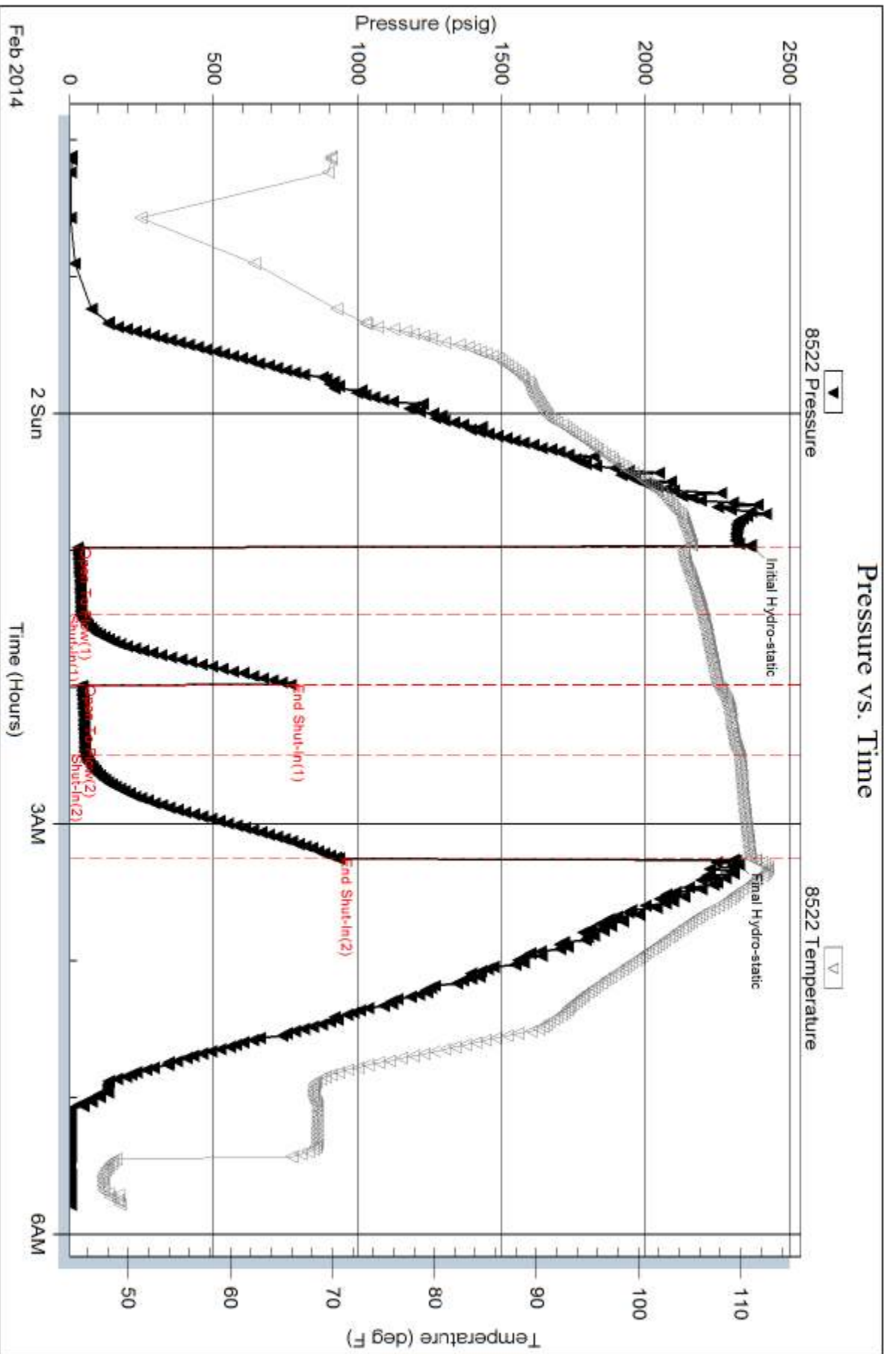
Mud Type: Gel Chem	Cushion Type:	Oil API:	0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	0 ppm
Viscosity: 62.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.19 in ³	Gas Cushion Type:		
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig		
Salinity: 2500.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	mud 100m	0.000

Total Length: 60.00 ft Total Volume: bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:



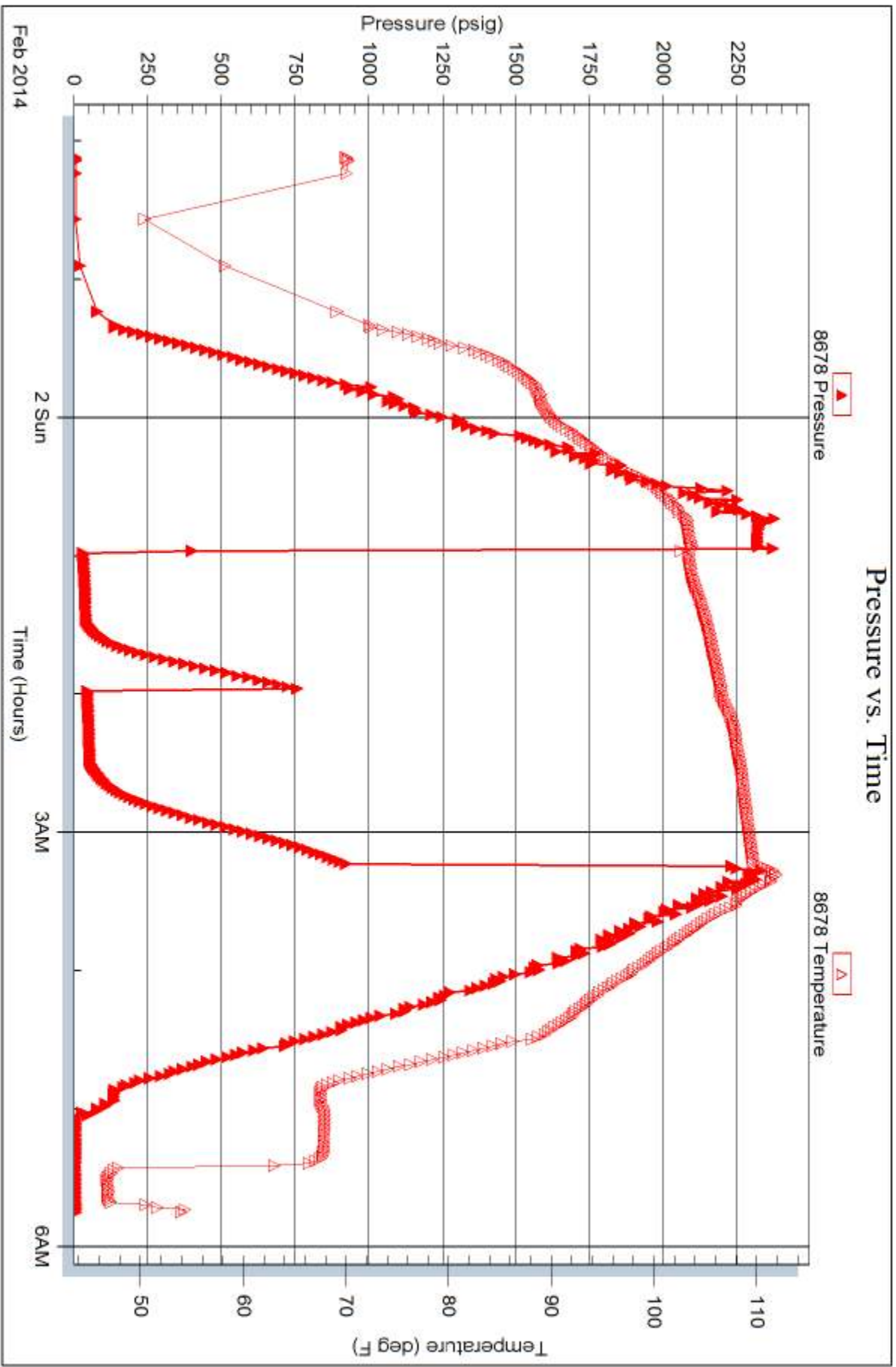
Serial #: 8678

Inside

Palmer Oil, Inc.

Brodeover #8-4

DST Test Number: 3





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 55692

4/10

Well Name & No. Brodeover #8-4 Test No. 1 Date 1-30-14
 Company Palmer Oil Co, Inc Elevation 2896 KB 2884 GL
 Address 3118 Cummings Rd Garden City, Ks 67846
 Co. Rep / Geo. Kevin Timson Rig Duke #5
 Location: Sec. 8 Twp. 25 s Rge. 32 w Co. Finney State Ks

Interval Tested 4556 4569 Zone Tested Pawnee
 Anchor Length 13 Drill Pipe Run 4300 Mud Wt. 9.2
 Top Packer Depth 4551 Drill Collars Run 243 Vis 48
 Bottom Packer Depth 4556 Wt. Pipe Run 8 WL 6.4
 Total Depth 4569 Chlorides 1500 ppm System LCM 3#

Blow Description IF: BOB@ 4min
ISS: No return.
FF: BOB@ 4min
FSF: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>1390</u>	<u>5mew (oil spec order)</u>		<u>97</u>	<u>3#</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 1390 BHT 126 Gravity — API RW 121 @ 48 °F Chlorides 9200 ppm

(A) Initial Hydrostatic 2221 Test 1250 T-On Location 1100
 (B) First Initial Flow 46 Jars 250 T-Started 1320
 (C) First Final Flow 371 Safety Joint 75 T-Open 1547
 (D) Initial Shut-In 1290 Circ Sub MC T-Pulled 1847
 (E) Second Initial Flow 379 Hourly Standby _____ T-Out 2259
 (F) Second Final Flow 648 Mileage 98 RT 136.40
 (G) Final Shut-In 1281 Sampler _____
 (H) Final Hydrostatic 2147 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1711.40
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1711.40

Approved By _____ Our Representative [Signature]

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. 55693

Well Name & No. Brookover #5-4 Test No. 2 Date 2-21-14
 Company Palmer Oil Co, Inc Elevation 2896 KB 2884 GL
 Address 3118 Cummings Rd Garden City, KS 67846
 Co. Rep / Geo. Kern Timson Rig Duke 5
 Location: Sec. 8 Twp. 25 Rge. 32w Co. Finney State KS

Interval Tested 4787-4830 Zone Tested Morrow
 Anchor Length 43 Drill Pipe Run 4537 Mud Wt. 9.1
 Top Packer Depth 4782 Drill Collars Run 243 Vis 46
 Bottom Packer Depth 4787 Wt. Pipe Run 0 WL 6.4
 Total Depth 4830 Chlorides 2500 ppm System LCM 3#

Blow Description IF Sidewall blow dead @ 15 min
ISI: No return
FFI: No blow
FST: pulled test

Rec	Feet of	%gas	%oil	%water	%mud
<u>10</u>	<u>MOD</u>			<u>100</u>	

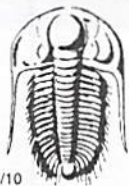
Rec Total 10 BHT 115 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic 2377 Test 1250 T-On Location 0145
 (B) First Initial Flow 25 Jars 250 T-Started 0309
 (C) First Final Flow 28 Safety Joint 75 T-Open 0542
 (D) Initial Shut-In 240 Circ Sub NC T-Pulled 0652
 (E) Second Initial Flow 29 Hourly Standby _____ T-Out 0934
 (F) Second Final Flow 30 Mileage 88AT 136.40 Comments _____
 (G) Final Shut-In Pulled Sampler _____
 (H) Final Hydrostatic 2342 Straddle _____ Ruined Shale Packer _____

Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 91.67
 Initial Shut-In 30 Day Standby 1d 2.75h Total 1803.07
 Final Flow 10 Accessibility _____ MP/DST Disc't _____
 Final Shut-In Pull Sub Total 1711.40

Approved By _____ Our Representative [Signature]

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. 55694

4/10

Well Name & No. Brodeover #8-4 Test No. 3 Date 2-02-14
 Company Palmer Oil Co, Inc Elevation 2896 KB 2894 GL
 Address 3118 Cummings Rd Garden City, Ks 67846
 Co. Rep / Geo. Kevin Timson Rig Duke #5
 Location: Sec. 8 Twp. 25s Rge. 32w Co. Finney State Ks

Interval Tested 4788-4896 Zone Tested Marrow
 Anchor Length 98' Drill Pipe Run 4548 Mud Wt. 9.2
 Top Packer Depth 4783 Drill Collars Run 243 Vis 58
 Bottom Packer Depth 4788 Wt. Pipe Run 0 WL 7.2
 Total Depth 4896 Chlorides 2500 ppm System LCM 3#

Blow Description IF: 1" blow
ISI: No return.
FF: Surface blow
FSI: No return.

Rec	Feet of	%gas	%oil	%water	%mud
<u>60</u>	<u>MUD</u>			<u>100</u>	

Rec Total 60 BHT 111 Gravity — API RW — @ — °F Chlorides — ppm

(A) Initial Hydrostatic <u>2366</u>	<input checked="" type="checkbox"/> Test <u>1250</u>	T-On Location <u>1008</u>
(B) First Initial Flow <u>29</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>0055 1007</u>
(C) First Final Flow <u>41</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>0055</u>
(D) Initial Shut-In <u>766</u>	<input checked="" type="checkbox"/> Circ Sub <u>N/C</u>	T-Pulled <u>0255</u>
(E) Second Initial Flow <u>44</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>0547</u>
(F) Second Final Flow <u>54</u>	<input checked="" type="checkbox"/> Mileage <u>SSRT</u> <u>136.40</u>	Comments _____
(G) Final Shut-In <u>934</u>	<input type="checkbox"/> Sampler	_____
(H) Final Hydrostatic <u>2314</u>	<input type="checkbox"/> Straddle	_____
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Shale Packer
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Ruined Packer
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1711.40</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>1711.40</u>	

Approved By _____ Our Representative [Signature]

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Geological Report

Palmer Oil, Inc.

Brookover #8-4

1120' FNL & 400' FWL

Sec. 8, T25s, R32w

Finney County, Kansas



Palmer Oil, Inc.

General Data

Well Data: Palmer Oil, Inc.
Brookover #8-4
1120' FNL & 400' FWL
Sec. 8, T25s, R32w
Finney County, Kansas
API # 15-055-22268-00-00

Drilling Contractor: Duke Drilling Co. Rig #5

Geologist: Kevin Timson

Spud Date: January 23, 2014

Completion Date: February 3, 2014

Elevation 2885' G.L.
2896' K.B.

Directions: From Garden City, KS. Go South on Hwy 83 1 mile
South of Southwind. Turn East on lease road and
South into location.

Casing: 1738' 8 5/8" #24 Surface Casing

Samples: 4400' to RTD 10' Wet & Dry

Drilling Time: 3800' to RTD

Electric Logs: Pioneer Energy Services "Y. Ruiz"
Full Sweep

Drillstem Tests: Three-Trilobite Testing "Bradley Walter"

Problems: None

Formation Tops

Brookover #8-4

Sec. 8, T25s, R32w

1120' FNL & 400' FWL

Anhydrite	1863' +1033
Base	1936' +960
Heebner	3904' -1008
Lansing	3950' -1054
Stark	4329' -1433
Bkc	4464' -1568
Marmaton	4505' -1609
Pawnee	4553' -1657
Fort Scott	4587' -1691
Cherokee	4601' -1705
Morrow	4798' -1902
Miss	4864' -1968
RTD	5000' -2104
LTD	5000' -2104

Sample Zone Descriptions

Pawnee (4553', -1657): Covered in DST #1

Ls. Tan. Medium to sub crystalline. Fair to good oomoldic and oolycastic porosity. Slight to fair stain. Poor saturation. No show of free oil. Fair odor. 20 Unit gas kick.

Morrow (4694', -1841): Covered in DST #2 & 3

Ss. Grey glauconitic. Med to coarse grain. Moderate to well rounded. No stain. No saturation. No show of free oil. Poor odor. 10 Unit gas kick.

Drill Stem Tests
Trilobite Testing
“Bradley Walter”

DST #1

Pawnee

Interval (4556’ - 4569’) Anchor Length 13’

IHP	-2221 #	
IFP	- 30” – BOB in 4 min	46-371 #
ISI	- 45” – No return	1290 #
FFP	- 45” – BOB in 4 min	379-648 #
FSIP	- 60” – No return	1281 #
FHP	- 2147 #	
BHT	- 126° F	

Recovery: 1390’ SMCW

DST #2

Morrow

Interval (4787’ – 4830’) Anchor Length 43’

IHP	- 2377 #	
IFP	- 30” – Surface blow died in 15 min	25-28 #
ISI	- 30” – No return	240 #
FFP	- 10” – No blow	29-30 #
FSIP	- Pull tool	NA
FHP	- 2342 #	
BHT	- 115° F	

Recovery: 10’ Mud

DST #3

Morrow

Interval (4788’ – 4886’) Anchor Length 98’

IHP	- 2366 #	
IFP	- 30” – 1” blow	29-41 #
ISI	- 30” – No return	766 #
FFP	- 30” – No blow	44-54 #
FSIP	- 30” – No return	934 #
FHP	- 2314 #	
BHT	- 111° F	

Recovery: 60’ Mud

Structural Comparison

Formation	Palmer Oil, Inc. Brookover #8-4 Sec. 8, T25s, R32w 1120' FNL & 400' FWL	-20	Palmer Oil, Inc. Brookover #8-1 Sec. 8, T25s, R32w 990' FNL & 1255' FWL	-12	Palmer Oil, Inc. Brookover #8-3 Sec 8, T25s, R32w 737' FNL & 2204' FEL
Heebner	3904' -1008	-20	3897' -988	-12	3912' -996
Lansing	3950' -1054	-21	3942' -1033	-10	3960' -1044
Stark	4329' -1433	-21	4321' -1412	-3	4346' -1430
BKC	4464' -1568	-16	4461' -1552	-12	4472' -1556
Marmaton	4505' -1609	-19	4499' -1590	-10	4515' -1599
Pawnee	4553' -1657	-24	4543' -1634	-5	4558' -1642
Fort Scott	4587' -1691	-21	4579' -1670	-12	4595' -1679
Cherokee	4601' -1705	-20	4594' -1685	-5	4616' -1700
Morrow	4798' -1902	-21	4790' -1881	-4	4814' -1898
Miss	4864' -1968	-2	4875' -1966	+6	4890' -1974

Summary

The location for the Brookover #8-4 well was found via 3-D seismic survey. The new well ran structurally lower than expected at the Morrow Sandstone formation. Three drill stem tests were conducted, none of which recovered commercial quantities of oil. After all the gathered data had been examined, the decision was made to plug and abandon the Brookover #8-4 well.

Respectfully Submitted,

Kevin Timson
Palmer Oil, Inc.

