



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

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

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



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

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

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 type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ 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

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
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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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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ALLIED OIL & GAS SERVICES, LLC 060591

Federal Tax I.D. # 20-8651475

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

SERVICE POINT: GreatBnd

DATE <u>7-27-13</u>	SEC. <u>8</u>	TWP. <u>21</u>	RANGE <u>22</u>	CALLED OUT	ON LOCATION	JOB START <u>12:30</u>	JOB FINISH <u>12 AM</u>
LEASE <u>96 Ridge</u>		WELL # <u>5</u>		LOCATION <u>Houston N 1/2 miles 20</u>		COUNTY <u>Hodgeman</u>	STATE <u>KS</u>
OLD OR NEW (Circle one) <u>N</u>							

CONTRACTOR Pickrell Drilling
 TYPE OF JOB Surface
 HOLE SIZE 12 1/2 T.D. _____
 CASING SIZE 8 5/8 DEPTH 223.71
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 15 Ft
 PERFS. _____
 DISPLACEMENT 13.25 Freshwater

OWNER _____
 CEMENT AMOUNT ORDERED 156 SK Class A 3 1/2 cc 2 1/2 gal

EQUIPMENT
 PUMP TRUCK CEMENTER Jack Skace
 # 396 HELPER Mike Scottom
 BULK TRUCK DRIVER Kenan Weighous
 # 610
 BULK TRUCK DRIVER Ben Newell
 # _____

COMMON	<u>150</u>	@	<u>17.90</u>	<u>2,685.00</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>23.40</u>	<u>70.20</u>
CHLORIDE	<u>5</u>	@	<u>64.00</u>	<u>320.00</u>
ASC		@		
HANDLING	<u>162.09</u>	@	<u>2.48</u>	<u>401.98</u>
MILEAGE	<u>7.4 x 40 x</u>		<u>2.60</u>	<u>169.60</u>
TOTAL				<u>4,246.78</u>

REMARKS:
Allocation Rig up had safety meeting
Run 8 5/8 casing
break circulation Rig mud
pipe 5 miles ahead
mix 150 SK Class A 3 1/2 cc 2 1/2 gal
displace 13.25 fresh water
set in
Cemented dual concrete
Rig down 12:00

CHARGE TO: Pickrell Drilling
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE	<u>1512.25</u>		
EXTRA FOOTAGE	@		
MILEAGE <u>Hum 40</u>	@	<u>7.70</u>	<u>308.00</u>
MANIFOLD	@		
<u>Hum 40</u>	@	<u>4.40</u>	<u>176.00</u>
TOTAL <u>1,996.25</u>			

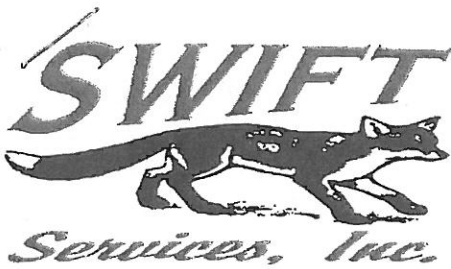
PLUG & FLOAT EQUIPMENT

_____	@		
_____	@		
_____	@		
_____	@		
_____	@		
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.

PRINTED NAME X Carl O Jessen
 SIGNATURE [Signature]

SALES TAX (If Any) _____
 TOTAL CHARGES 6,243.03
1,560.25
 DISCOUNT _____ IF PAID IN 30 DAYS
4,682.27



P. O. Box 466
Ness City, KS 67560
Off: 785-798-2300



Invoice

DATE	INVOICE #
7/31/2013	24589

BILL TO
Pickrell Drilling Co. Inc. PO Box 375 Ness City, KS 67560

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#5	Selfridge	Hodgeman	Pickrell Drilling R...	Oil	Development	5-1/2" LongString	Jason

PRICE REF.	DESCRIPTION	QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way	30	Miles	6.00	180.00
579D	Pump Charge - Two-Stage	1	Job	2,000.00	2,000.00
402-5	5 1/2" Centralizer	6	Each	70.00	420.00T
403-5	5 1/2" Cement Basket	1	Each	285.00	285.00T
407-5	5 1/2" Insert Float Shoe With Auto Fill	1	Each	375.00	375.00T
408-5	5 1/2" D.V. Tool & Plug Set	1	Each	3,300.00	3,300.00T
417-5	5 1/2" D.V. Latch Down Plug & Baffle	1	Each	200.00	200.00T
281	Mud Flush	500	Gallon(s)	1.25	625.00T
221	Liquid KCL (Clayfix)	2	Gallon(s)	25.00	50.00T
276	Flocele	50	Lb(s)	2.00	100.00T
283	Salt	700	Lb(s)	0.20	140.00T
285	CFR-1	100	Lb(s)	4.00	400.00T
290	D-Air	4	Gallon(s)	42.00	168.00T
325	Standard Cement	75	Sacks	14.00	1,050.00T
326	60/40 Pozmix (2% Gel)	125	Sacks	11.00	1,375.00T
330	Swift Multi-Density Standard (MIDCON II)	220	Sacks	17.00	3,740.00T
581D	Service Charge Cement	420	Sacks	2.00	840.00
583D	Drayage	599.82	Ton Miles	1.00	599.82
	Subtotal				15,847.82
	Sales Tax Hodgeman County			7.30%	892.64

Run 5 1/2" CSG

We Appreciate Your Business!	Total	\$16,740.46
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CHARGE TO: PICKRELL DRILLING
 ADDRESS: _____
 CITY, STATE, ZIP CODE: _____

TICKET No. 24589

PAGE 1 OF 2

SERVICE LOCATIONS
 1. Ness City, KS
 2. _____
 3. _____
 4. _____

WELL/PROJECT NO. _____
 LEASE Selfridge #5
 COUNTY/PARISH Hodgeman
 STATE KS
 CITY Termore, KS
 DATE 3/24/13
 OWNER _____

TICKET TYPE SERVICE SALES
 CONTRACTOR PICKRELL DRILLING RIG #1
 RIG NAME/NO. _____
 SHIPPED VIA _____
 DELIVERED TO _____
 ORDER NO. _____

WELL TYPE OIL
 WELL CATEGORY DEVELOPMENT
 JOB PURPOSE 5 1/2" LONGSTRIKING
 WELL PERMIT NO. _____
 WELL LOCATION N 10 X RD QE 3/4 S, W 1/2 E 1/4

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.	UM	QTY.	UM	UNIT PRICE	AMOUNT
		LOC	ACCT	DF							
575					MILEAGE #115	30	mi			6.00	180.00
578					PUMP CHARGE	1	hrs			2000.00	2000.00
402					CEMENTIZERS	1	hr			770.00	770.00
403					CEMENT BASKET	1	hr			285.00	285.00
407					INSERT FLAT SHOEL/AUTO FILL	1	hr			375.00	375.00
408					DV BOX & PLUG SET	1	hr			3300.00	3300.00
417					DV LATCH DOWN PLUG & Baffle	1	hr			200.00	200.00
281					MUD FLUSH	500	gal			1.25	625.00
281					LIQUID KCL	2	gal			25.00	50.00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED 3/24/13 TIME SIGNED 1:45 A.M. P.M.

REMIT PAYMENT TO:
 SWIFT SERVICES, INC.
 P.O. BOX 466
 NESS CITY, KS 67560
 785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE	PAGE TOTAL	AMOUNT
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?				1	7435.00
WE UNDERSTOOD AND MET YOUR NEEDS?				2	8412.00
OUR SERVICE WAS PERFORMED WITHOUT DELAY?					
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?					
ARE YOU SATISFIED WITH OUR SERVICE?	<input type="checkbox"/> YES	<input type="checkbox"/> NO			
SUBTOTAL					15847.00
TAX					892.64
TOTAL					16,740.40

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

APPROVAL: _____

Thank You!



PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 24589

CUSTOMER PICKRELL DRILLING WELLS SELF RIDE # 5 DATE 3/5/13 PAGE 21 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING			TIME	DESCRIPTION	WELLS				UNIT PRICE	AMOUNT	
		LOC	ACCT	DF			QTY	UM	QTY	UM			
276						EDGELE							
283						SALT	700	lbs				2.22	1554.00
285						GFR	100	lbs.				4.22	422.00
29D						D-AIR	4	gals				42.00	168.00
325						STANDARD CEMENT	75	sq				14.00	1050.00
326						60/40 Pozmix 2% GEL	185	sq				11.00	2035.00
33D						SMD CEMENT	200	sq				17.00	3400.00
381						SERVICE CHARGE						2.00	840.00
33						MILEAGE CHARGE						1.00	599.00

39988

MILEAGE CHARGE

TOTAL WEIGHT 54108

LOADED MILES 30

CUBIC FEET 400 sq

TON MILES 54108

599.42

CONTINUATION TOTAL

8412 83

SWIFT Services, Inc.

WICKRELL DRILLING

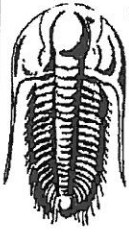
WELL NO.

LEASE SELF RIDGE # 5

JOB TYPE 5 1/2" LONG STRING

TICKET NO. 24589

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	0800							ON LOCATION
	1005							START PIPE - 5 1/2" - 14" RTD @ 4425 LTDC @ 4425 SHOE JO. 14.79' SET @ 4384 CENTRALIZERS 1, 2, 3, 4, 5, 70 BASKET 71 DV TOOL # 71 @ 1435
	1153							DROP BALL CIRCULATE
	1212	6	12		✓		300	Pump 500 gal MUD FLUSH
		6	20		✓		300	Pump 20 bbl KCL FLUSH
	1216	6	29					MIX 125 sx 60/40 Pozmix w/ 2% GEL
		6	16		✓			MIX 75 sx STANDARD w/ 10% SACT
	1227							WASH OUT PUMP & LINES
	1229	6			✓			START DISPLACING PLUG
	1247	Ø	106 1/2		✓		1500	PLUG DOWN LATCH PLUG IN.
	1249				✓			RELEASE PSI - DRY
	1253							DROP DV OPENING TOOL
	1327						1100	OPEN DV TOOL
	1328	6	20		✓			Pump 20 bbl KCL FLUSH
	1331		7.5					PLUG RH (30 sx) - MH (20 sx)
	1335	6	94		✓		200	MIX 170 sx SMD w/ 1/4" FLOECELE
	1356							WASH OUT PUMP & LINES
	1359	6			✓			RELEASE DV CLOSING TOOL / PLUG.
	1405	Ø	35		✓		1500	PLUG DOWN CLOSE DV
	1408				✓			RELEASE PRESSURE - DRY
	1410							WASH TRUCK
	1445							JOB COMPLETE
								THANKS #115
								JASON JEFF JOHN



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Pickrell Drilling Co, Inc.

100 S. Main STE 505
Wichita, Ks 67202

ATTN: Jerry Smith

8 21s 22w Hodgeman, Ks

Selfridge #5

Job Ticket: 48766

DST#: 1

Test Start: 2013.07.28 @ 09:00:00

GENERAL INFORMATION:

Formation: **Ft. Scott.**

Deviated: **No** Whipstock: **ft (KB)**

Time Tool Opened: 11:29:00

Time Test Ended: 18:11:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Bradley Walter

Unit No: 69

Interval: **4200.00 ft (KB) To 4277.00 ft (KB) (TVD)**

Total Depth: **4257.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Good**

Reference Elevations: **2249.00 ft (KB)**

2239.00 ft (CF)

KB to GR/CF: **10.00 ft**

Serial #: 8522 **Outside**

Press@RunDepth: **192.35 psig @ 4201.00 ft (KB)**

Start Date: **2013.07.28**

End Date:

2013.07.28

Start Time: **09:03:05**

End Time:

18:14:00

Capacity: **8000.00 psig**

Last Calib.: **1899.12.30**

Time On Btm: **2013.07.28 @ 11:31:45**

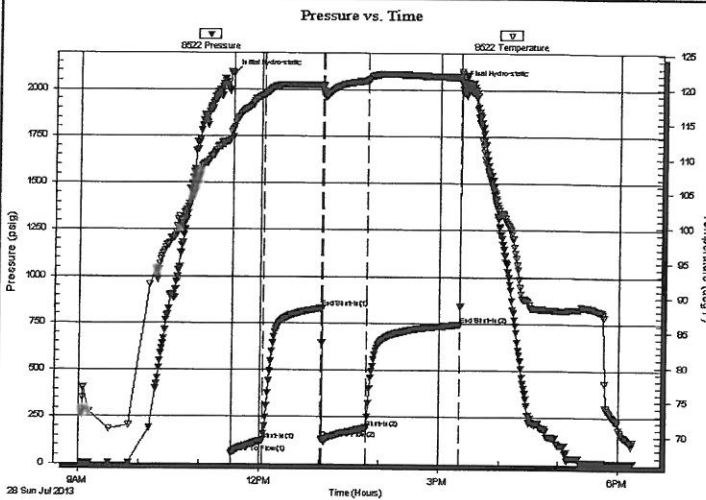
Time Off Btm: **2013.07.28 @ 15:21:30**

TEST COMMENT: IF: BOB @ 2

IS: Surface return, died @ 15 min.

FF: BOB @ 1 min.

FS: Gas to Surface - 2" return, bled off.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2080.88	114.06	Initial Hydro-static
1	56.86	113.00	Open To Flow (1)
31	125.22	119.06	Shut-In(1)
90	830.92	120.53	End Shut-In(1)
91	132.36	119.73	Open To Flow (2)
135	192.35	121.22	Shut-In(2)
229	744.31	121.74	End Shut-In(2)
230	2031.69	122.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	gomcw 20g 5o 30m 45w	0.10
160.00	gmco 30g 10m 60o	1.35
260.00	gmco 70g 10m 20o	3.65
0.00	Gas to surface on final Shut in	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drilling Co, Inc.

8 21s 22w Hodgeman, Ks

100 S. Main STE 505
Wichita, Ks 67202

Selfridge #5

Job Ticket: 48766

DST#: 1

ATTN: Jerry Smith

Test Start: 2013.07.28 @ 09:00:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

38 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

19500 ppm

Viscosity: 62.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
20.00	gomcw 20g 5o 30m 45w	0.098
160.00	gmco 30g 10m 60o	1.352
260.00	gmco 70g 10m 20o	3.647
0.00	Gas to surface on final Shut in	0.000

Total Length: 440.00 ft Total Volume: 5.097 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .420 @ 65F = 19500ppm

Serial #: 8522

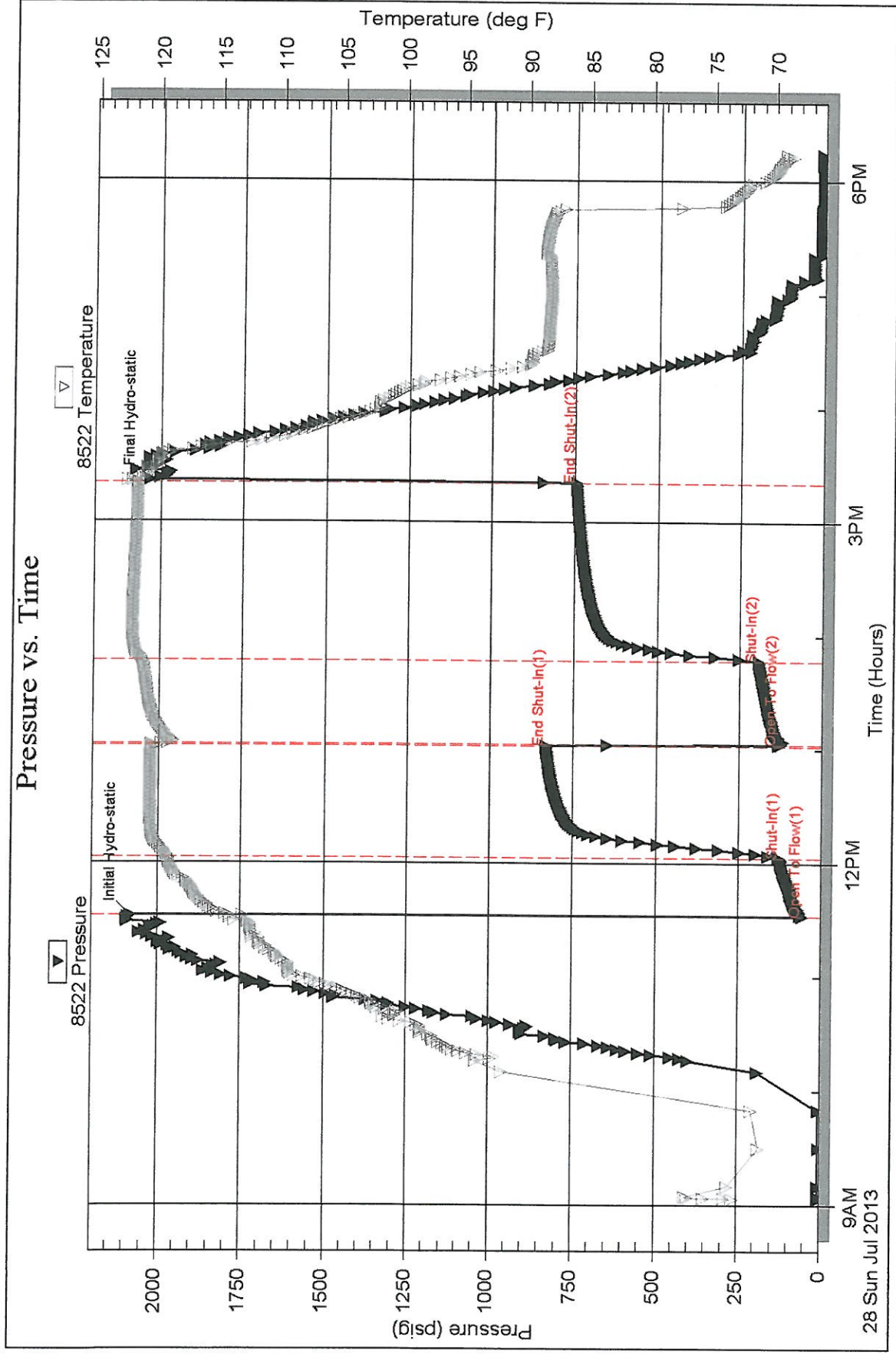
Outside

Rickrell Drilling Co. Inc.

Selfridge #5

DST Test Number: 1

Pressure vs. Time



Printed: 2013.07.29 @ 00:49:50

Ref. No: 48766

Trilobite Testing, Inc



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Pickrell Drilling Co, Inc.

8 21s 22w Hodgeman, Ks

100 S. Main STE 505
Wichita, Ks 67202

Selfridge #5

Job Ticket: 48767

DST#: 2

ATTN: Jerry Smith

Test Start: 2013.07.29 @ 05:03:00

GENERAL INFORMATION:

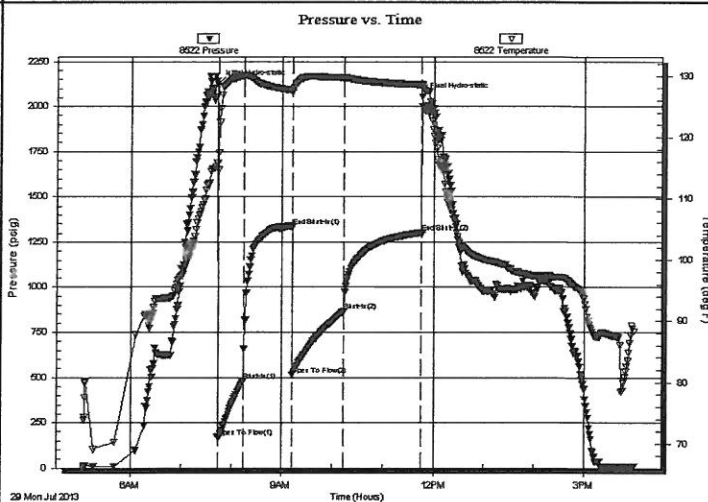
Formation: **Mississippian**
 Deviated: **No** Whipstock: **ft (KB)**
 Time Tool Opened: 07:43:30
 Time Test Ended: 15:59:30
 Interval: **4300.00 ft (KB) To 4315.00 ft (KB) (TVD)**
 Total Depth: **4315.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Good**
 Test Type: **Conventional Bottom Hole (Reset)**
 Tester: **Bradley Walter**
 Unit No: **69**
 Reference Elevations: **2249.00 ft (KB)**
2239.00 ft (CF)
 KB to GR/CF: **10.00 ft**

Serial #: 8522

Outside

Press@RunDepth: **866.44 psig @ 4301.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2013.07.29** End Date: **2013.07.29** Last Calib.: **2013.07.29**
 Start Time: **05:03:05** End Time: **15:59:30** Time On Btm: **2013.07.29 @ 07:43:15**
 Time Off Btm: **2013.07.29 @ 11:46:30**

TEST COMMENT: IF: BOB @ 45 sec.
 IS: 1" return.
 FF: BOB @ 90 sec.
 FSI: Surface return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2123.83	115.80	Initial Hydro-static
1	169.30	114.68	Open To Flow (1)
31	483.96	129.97	Shut-In(1)
89	1333.47	127.68	End Shut-In(1)
89	514.67	127.28	Open To Flow (2)
151	866.44	129.72	Shut-In(2)
242	1303.03	128.62	End Shut-In(2)
244	2056.43	128.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	gw cm 10g 40w 50m	0.30
60.00	mcw 5m 95w	0.30
2050.00	go 20g 80o	28.24
0.00	300' GIP	0.00

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drilling Co, Inc.

8 21s 22w Hodgeman, Ks

100 S. Main STE 505
Wichita, Ks 67202

Selfridge #5

Job Ticket: 48767

DST#: 2

ATTN: Jerry Smith

Test Start: 2013.07.29 @ 05:03:00

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

37 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

30000 ppm

Viscosity: 75.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.78 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
60.00	gw cm 10g 40w 50m	0.295
60.00	mcw 5m 95w	0.295
2050.00	go 20g 80o	28.237
0.00	300' GIP	0.000

Total Length: 2170.00 ft Total Volume: 28.827 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: rw is .192 @ 84F = 30,000ppm

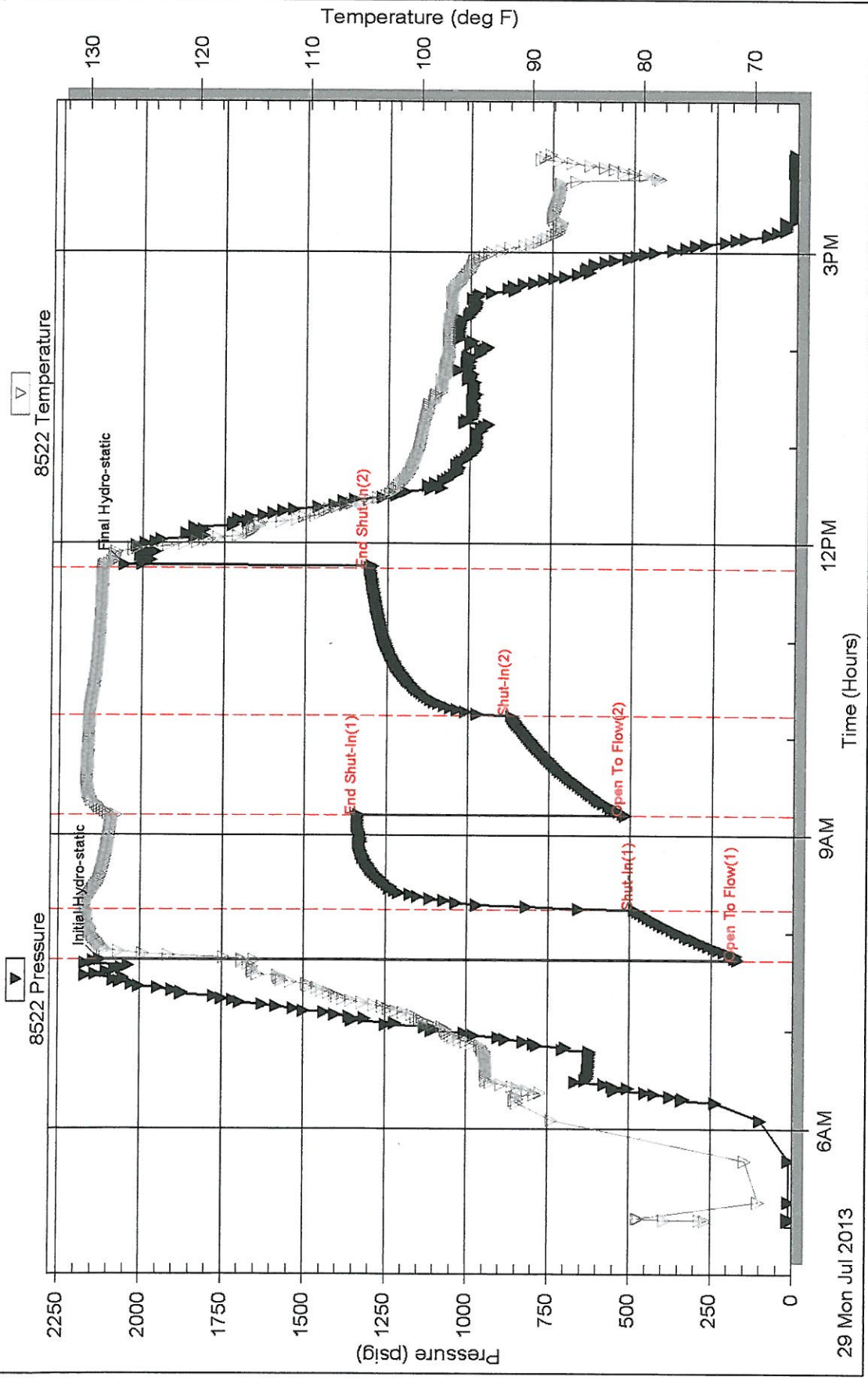
Serial #: 8522

Outside Fickrell Drilling Co, Inc.

Selfridge #5

DST Test Number: 2

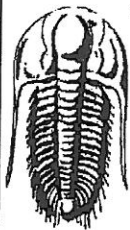
Pressure vs. Time



Trilobite Testing, Inc

Ref. No: 48767

Printed: 2013.07.29 @ 16:21:38



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Pickrell Drilling Co, Inc.

8 21s 22w Hodgeman, Ks

100 S. Main STE 505
Wichita, Ks 67202

Selfridge #5

Job Ticket: 48768

DST#: 3

ATTN: Jerry Smith

Test Start: 2013.07.29 @ 23:27:00

GENERAL INFORMATION:

Formation: **Mississippian.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 01:49:30

Time Test Ended: 09:26:30

Test Type: Conventional Bottom Hole (Reset)

Tester: Bradley Walter

Unit No: 69

Interval: **4315.00 ft (KB) To 4330.00 ft (KB) (TVD)**

Total Depth: 4330.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2249.00 ft (KB)

2239.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8522 Outside

Press@RunDepth: 1233.03 psig @ 4316.00 ft (KB)

Start Date: 2013.07.29

End Date:

2013.07.30

Start Time: 23:27:05

End Time:

09:26:30

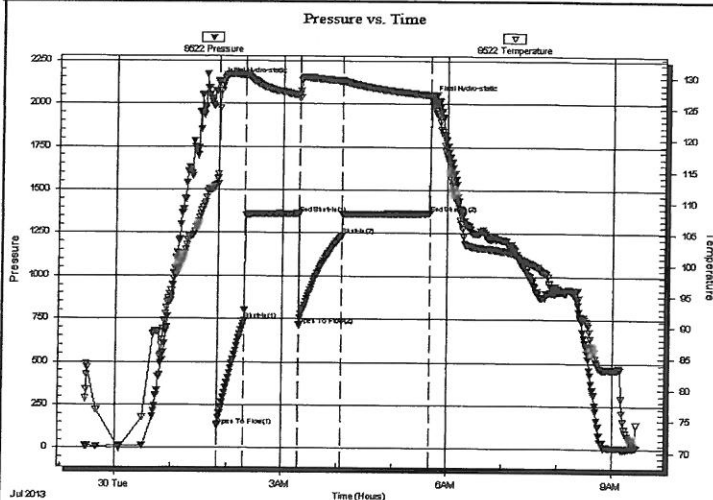
Capacity: 8000.00 psig

Last Calib.: 2013.07.30

Time On Btm: 2013.07.30 @ 01:49:15

Time Off Btm: 2013.07.30 @ 05:41:15

TEST COMMENT: IF: BOB @ 40 sec.
IS: No return.
FF: BOB @ 1 min.
FSI: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2122.64	113.79	Initial Hydro-static
1	129.36	112.95	Open To Flow (1)
29	741.39	130.30	Shut-In(1)
89	1362.05	127.19	End Shut-In(1)
89	714.43	126.79	Open To Flow (2)
135	1233.03	129.45	Shut-In(2)
231	1362.87	127.20	End Shut-In(2)
232	2030.62	126.43	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2750.00	gocw 5g 10o 85w	37.50

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Pickrell Drilling Co, Inc.

8 21s 22w Hodgeman, Ks

100 S. Main STE 505
Wichita, Ks 67202

Selfridge #5

Job Ticket: 48768

DST#: 3

ATTN: Jerry Smith

Test Start: 2013.07.29 @ 23:27:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 75.00 sec/qt

Water Loss: 8.79 in³

Resistivity: ohm.m

Salinity: 4800.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: 0 deg API

Water Salinity: 39000 ppm

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2750.00	gocw 5g 10o 85w	37.500

Total Length: 2750.00 ft Total Volume: 37.500 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

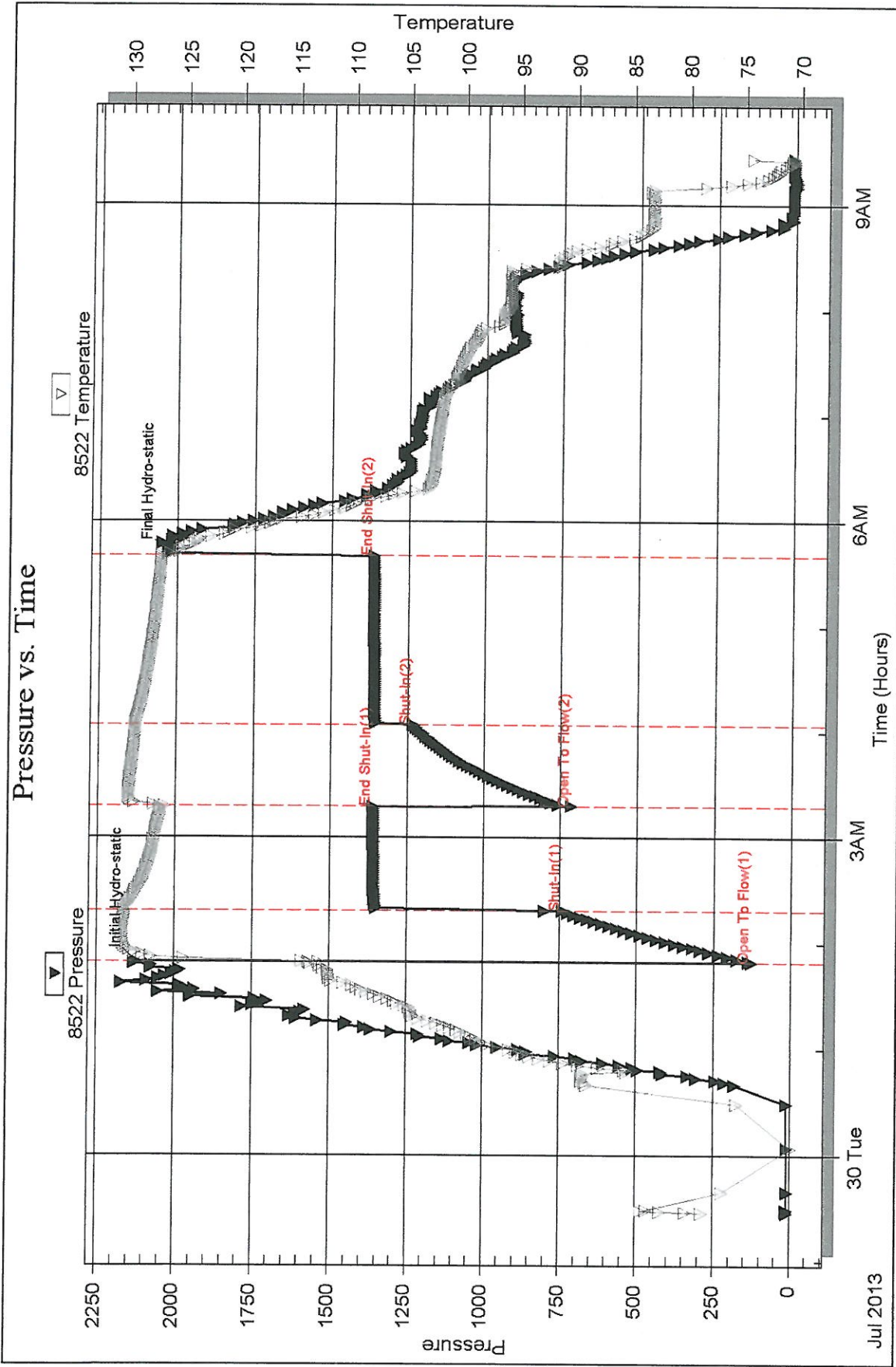
Recovery Comments: rw is .234 @ 64 = 39000ppm

Serial #: 8522

Outside Fickrell Drilling Co, Inc.

Selfridge #5

DST Test Number: 3



Trilobite Testing, Inc

Ref. No: 48768

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