



KANSAS CORPORATION COMMISSION 1081966  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

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

**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

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: \_\_\_\_\_



1081966

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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<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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> _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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# QUALITY WELL SERVICE, INC.

Federal Tax I.D. # 481187368

5268

Home Office 324 Simpson St., Pratt, KS 67124

Todd's Cell 620-388-5422

Office / Fax 620-672-3663

Rich's Cell 620-727-3409

Brady's Cell 620-727-6964

Date	7-19-11	23	23	14	Pratt	Ks	On Location	1145
Lease	Smith	Well No.	1-23		Location	HWY 54 W to 43rd Rd		
Contractor	Nonresch Dubs							
Type Job	Surfaces							
Hole Size	12 1/4	T.D.	275					
Csg.	8 3/8	Depth	270'					
Tbg. Size		Depth						
Tool		Depth						
Cement Left in Csg.		Shoe Joint	20					
Meas Line		Displace	16 Bbls					
<b>EQUIPMENT</b>								
Pumptrk	8	No.	Tool					
Bulktrk	4	No.	Brady					
Bulktrk		No.	5					
Pickup		No.	9					
<b>JOB SERVICES &amp; REMARKS</b>								
Rat Hole								
Mouse Hole								
Centralizers								
Baskets								
DV or Port Collar								
			Run 60% 250 csg					
			MIX: Pump 275 sz 60/40					
			296 GEL 3% CC 1/4" CF.					
			14.7 # gal 1.25 #13					
			5105 down RELEASE PLG					
			Disp 16 Bbl, total					
			Close Valve on Csg 200'					
			Plug down 2 11.15					
			GOOD CIRC thru JOB					
			CIRC CNT TO PIT					
			Thank, Todd SHAY BRADY					
			Signature Terry J. Cummins					
			Pumptrk Charge	525.00				
			Mileage	12				
			Tax					
			Discount					
			Total Charge					

# QUALITY WELL SERVICE, INC.

Federal Tax I.D. # 481187368

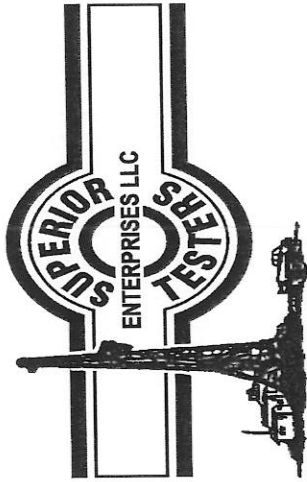
5273

Home Office 324 Simpson St., Pratt, KS 67124

Todd's Cell 620-388-5422  
Office / Fax 620-672-3663

Rich's Cell 620-727-3409  
Brady's Cell 620-727-6964

Date	7-27-11	23	20	14	Range	County	State	On Location	Finish
Lease	Smith	Well No.	1-23	Location	54 Hwy West 40 rd	Pratt	Ks		12'15
Contractor	Nimesiah Dels.								
Type Job	PTA								
Hole Size	7 7/8								
Csg.	Depth								
Tbg. Size	Depth								
Tool	Depth								
Cement Left in Csg.	Shoe Joint								
Meas Line	Displace								
<b>EQUIPMENT</b>									
Pumptrk	No.	700							
Bulktrk	No.	Brady							
Bulktrk	No.								
Pickup	No.								
<b>JOB SERVICES &amp; REMARKS</b>									
Rat Hole	30 x								
Mouse Hole	22 x								
Centralizers									
Baskets									
DM or Port Collar									
1st Plug 4577									
50 x 60/40 4% GEL 1/4" CF.									
Dese w/ H2O									
2nd Plug 900'									
50 x 60/40 4% GEL 1/4" CF.									
Dese w/ H2O									
3rd Plug 300'									
50 x 60/40 4% GEL 1/4" CF.									
Dese w/ H2O									
4th Plug 60'									
20 x 60/40 4% GEL 1/4" CF.									
Thank									
1000 x 1000									
Signature									
									Tax
									Discount
									Total Charge



## DRILL STEM TEST REPORT

Prepared For: **luka-Carmi Development**

P.O.Box 847  
Pratt, Kansas  
67124+0847

ATTN: David Gould

**23/28S/14W Pratt Co.**

**Smith #1-23**

Start Date: 2011.07.25 @ 02:44:00

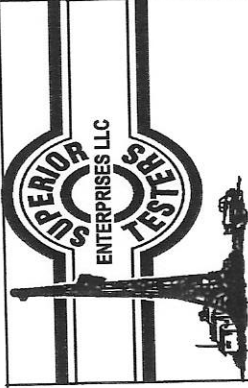
End Date: 2011.07.25 @ 12:14:30

Job Ticket #: 18701      DST #: 1

Superior Testers Enterprises LLC

PO Box 138 Great Bend KS 67530

1-800-792-6902



# DRILL STEM TEST REPORT

Iuka-Carmi Development

Smith #1-23

P.O.Box 847  
Pratt, Kansas  
67124+0847  
ATTN: David Gould

23/28S/14W Pratt Co.

Job Ticket: 18701 DST#:1  
Test Start: 2011.07.25 @ 02:44:00

## GENERAL INFORMATION:

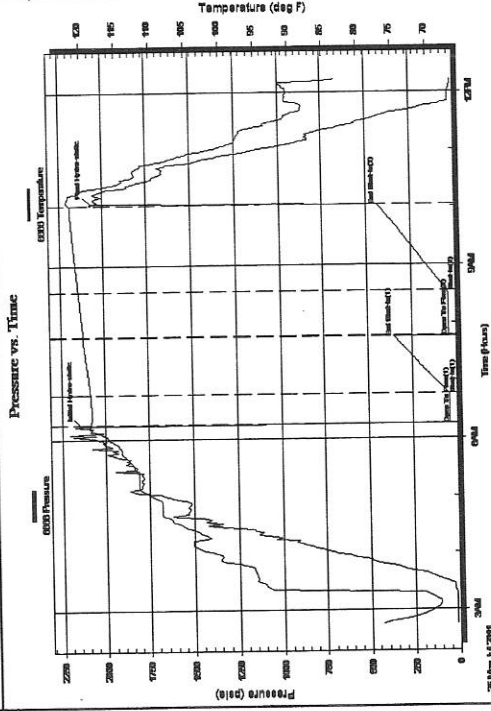
Formation: Mississippi  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 06:15:30  
Time Test Ended: 12:14:30  
  
Interval: 4358.00 ft (KB) To 4380.00 ft (KB) (TVD)  
Total Depth: 4380.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inchest-hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)  
Tester: Dylan E Ellis  
Unit No: 3345/Great Bend/ 140  
Reference Elevations: 1935.00 ft (KB)  
1925.00 ft (CF)  
10.00 ft  
KB to GR/CF:

Serial #: 6666  
Press@RunDepth: 49.39 psia @ 4377.00 ft (KB)  
Start Date: 2011.07.25 End Date:  
Start Time: 02:45:00 End Time:

Capacity: 5000.00 psia  
Last Calib.: 2011.07.25  
Time On Btm: 2011.07.25 @ 06:14:00  
Time Off Btm: 2011.07.25 @ 10:04:00

TEST COMMENT: 1ST Opening 30 Minutes fair blow /blow blew to bottom of the bucket of water in 15 minutes  
1ST Shut-In 60 Minutes no blow back  
2ND Opening 45 Minutes very strong blow /blow blew to bottom of bucket of water instantly  
2ND Shut-In 90 Minutes no blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2137.11	119.61	Initial Hydro-static
2	39.76	119.06	Open To Flow (1)
33	47.32	119.13	Shut-In(1)
92	353.02	120.11	End Shut-In(1)
93	40.97	120.07	Open To Flow (2)
139	49.39	120.64	Shut-In(2)
229	440.43	121.79	End Shut-In(2)
230	2070.42	122.20	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bb)
55.00	Very lightly Oil cut Mud	0.77
0.00	Oil 10% Mud 90%	0.00
0.00	868 feet of Gas in the pipe	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

Iuka-Carmi Development

Smith #1-23

P.O.Box 847  
Pratt, Kansas  
67124+0847  
ATTN: David Gould

23/28S/14W Pratt Co.

Job Ticket: 18701 DST#:1  
Test Start: 2011.07.25 @ 02:44:00

## GENERAL INFORMATION:

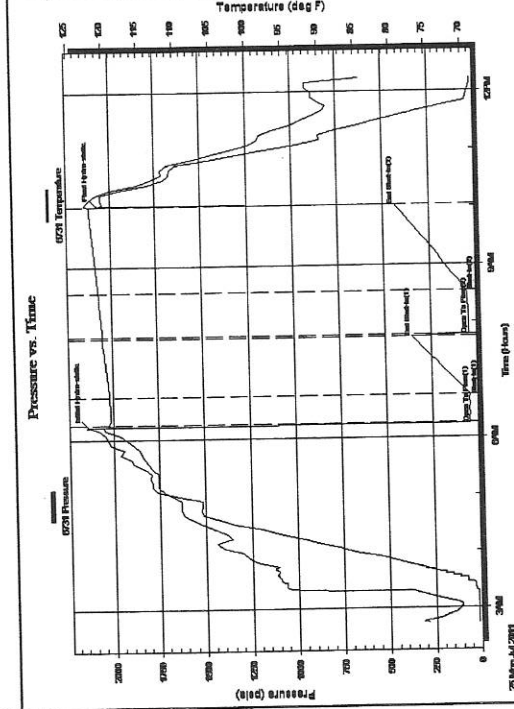
Formation: **Mississippi** ft (KB)  
Deviated: **No Whipstock:**  
Time Tool Opened: 06:15:30  
Time Test Ended: 12:14:30  
  
Interval: **4358.00 ft (KB) To 4380.00 ft (KB) (TV/D)**  
Total Depth: 4380.00 ft (KB) (TV/D)  
Hole Diameter: 7.88 inches-Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)  
Tester: Dylan E Ellis  
Unit No: 3345/Great Bend/ 140  
Reference Elevations: 1935.00 ft (KB)  
1925.00 ft (CF)  
10.00 ft  
KB to GR/CF:

**Serial #: 6731** Inside  
Press@RunDepth: 439.74 psia @ 4376.00 ft (KB)  
Start Date: 2011.07.25 End Date:  
Start Time: 02:44:01 End Time:

Capacity: 5000.00 psia  
Last Calib.: 2011.07.25  
Time On Btm: 2011.07.25 @ 06:13:30  
Time Off Btm: 2011.07.25 @ 10:03:30

**TEST COMMENT:** 1ST Opening 30 Minutes fair blow/blow blew to bottom of the bucket of water in 15 minutes  
1ST Shut-In 60 Minutes no blow back  
2ND Opening 45 Minutes very strong blow/blow blew to bottom of bucket of water instantly  
2ND Shut-In 90 Minutes no blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2137.61	120.46	Initial Hydro-static
2	40.20	119.75	Open To Flow (1)
31	43.23	119.59	Shut-In(1)
92	354.65	120.44	End Shut-In(1)
94	41.90	120.36	Open To Flow (2)
139	50.77	120.91	Shut-In(2)
229	439.74	122.05	End Shut-In(2)
230	2070.44	122.66	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
55.00	Very lightly Oil cut Mud	0.77
0.00	Oil 10% Mud 90%	0.00
0.00	868 feet of Gas in the pipe	0.00

## Gas Rates

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



# DRILL STEM TEST REPORT

## TOOL DIAGRAM

luka-Carmi Development

Smith #1-23

ENTERPRISES LLC

23/28S/14W Pratt Co.

P.O.Box 847  
Pratt, Kansas  
67124+0847  
ATTN: David Gould

Job Ticket: 18701  
DST#: 1  
Test Start: 2011.07.25 @ 02:44:00

### Tool Information

Drill Pipe:	Length: 4338.00 ft	Diameter: 3.80 inches	Volume: 60.85 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 25000.00 lb
			Total Volume: 60.85 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	4358.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	51.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

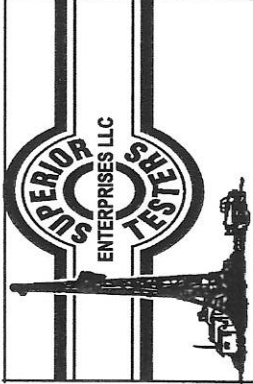
Tool Comments: Thank you for the work ! Dylan E Ellis

### Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4330.00	
Shut-in Tool	5.00			4335.00	
Hydroic Tool	5.00			4340.00	
Jars	6.00			4346.00	
Safety Joint	2.00			4348.00	
Packer	5.00			4353.00	29.00 Bottom Of Top Packer
Packer	5.00			4358.00	
Perforations	17.00			4375.00	
Recorder	1.00	6731	Inside	4376.00	
Recorder	1.00	6666	Outside	4377.00	
Bullnose	3.00			4380.00	22.00 Bottom Packers & Anchor

**Total Tool Length: 51.00**





# DRILL STEM TEST REPORT

## FLUID SUMMARY

Iuka-Carmi Development

Smith #1-23

P.O.Box 847  
Pratt, Kansas  
67124+0847

23/28S/14W Pratt Co.

Job Ticket: 18701 DST#:1

ATTN: David Gould

Test Start: 2011.07.25 @ 02:44:00

### Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 64.00 sec/qt  
Water Loss: 9.99 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 4500.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psia

Oil API:  
Water Salinity:  
deg API  
ppm

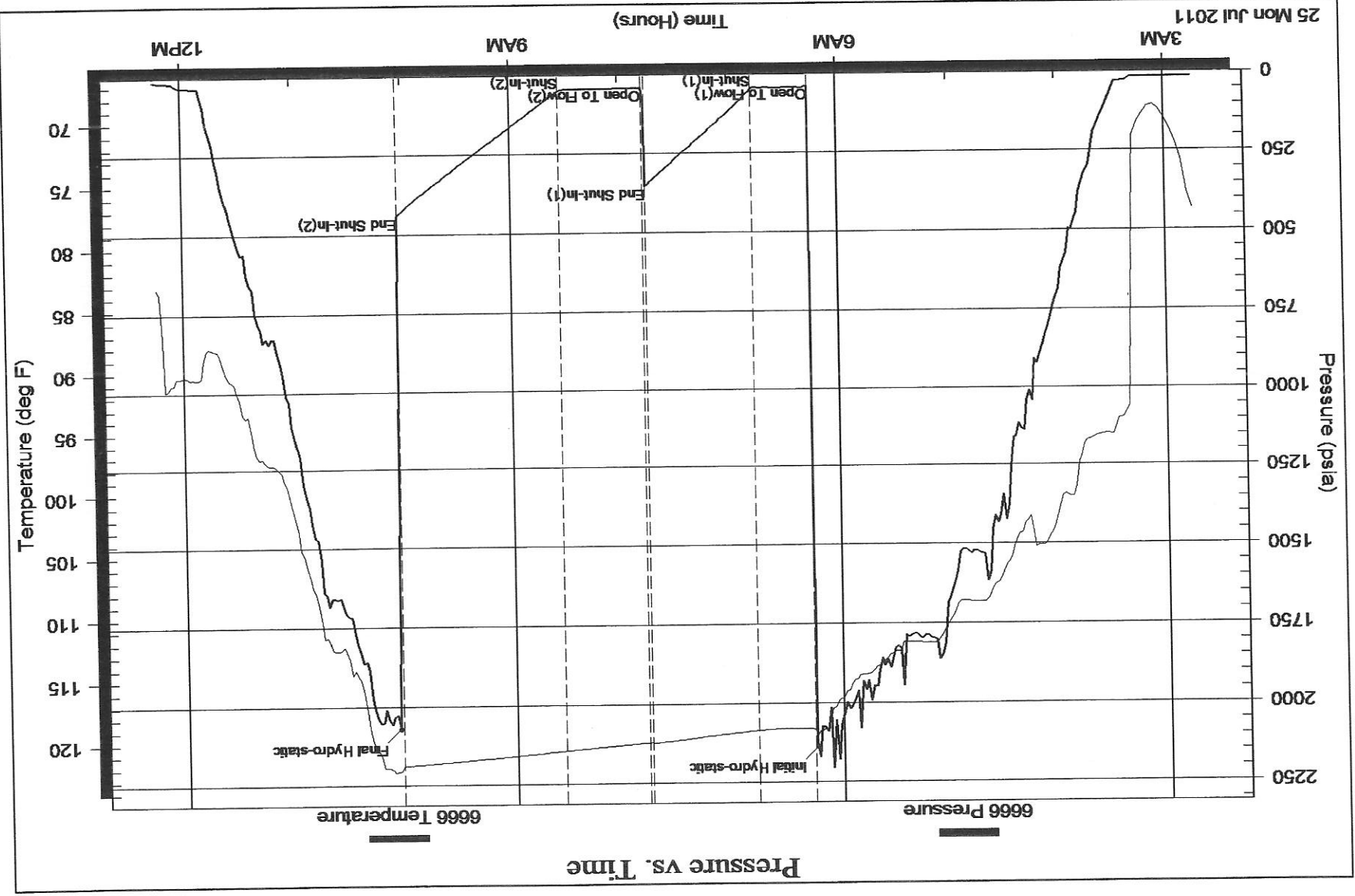
### Recovery Information

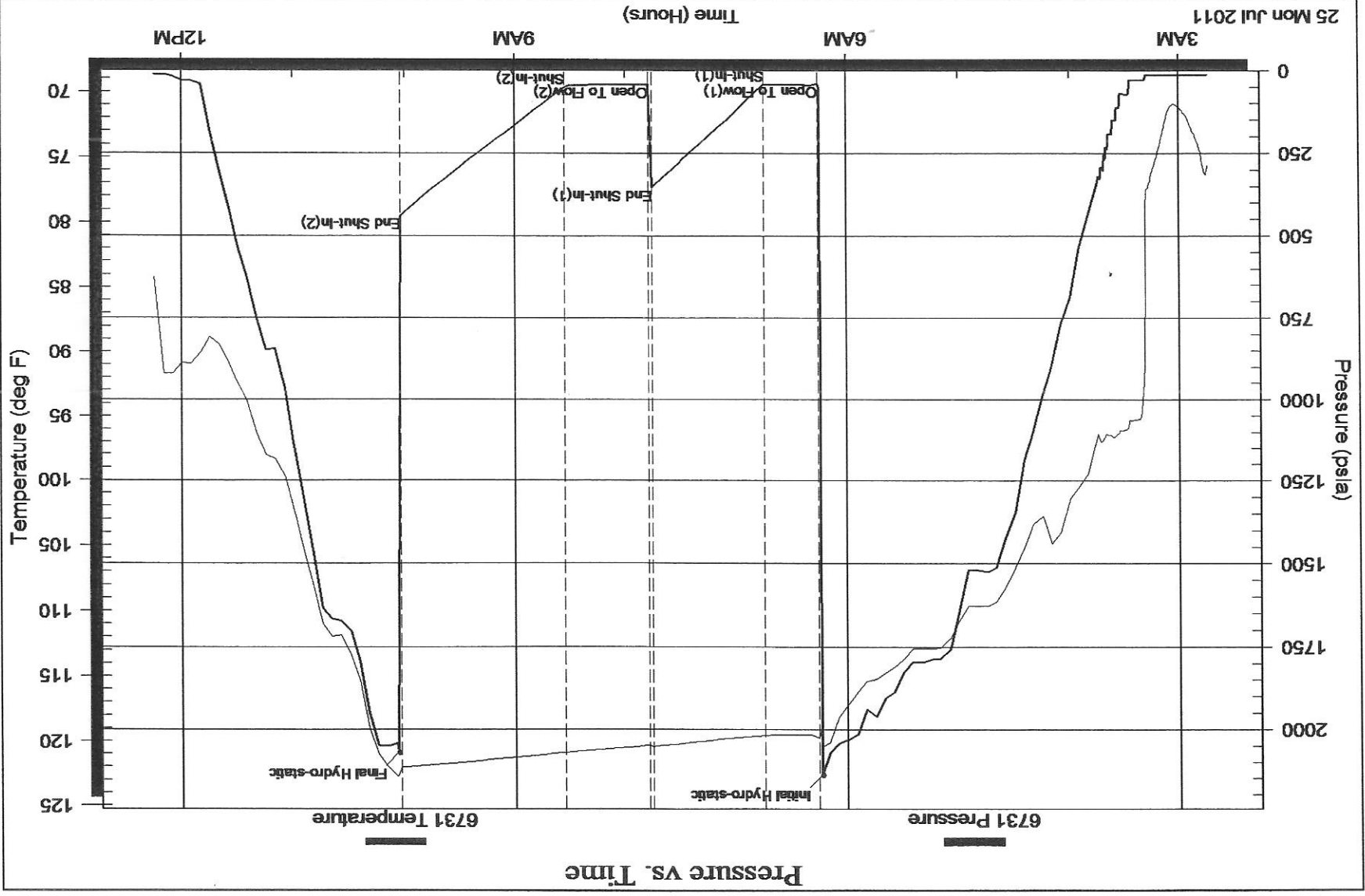
#### Recovery Table

Length ft	Description	Volume bbl
55.00	Very lightly Oil cut Mud	0.772
0.00	Oil 10% Mud 90%	0.000
0.00	868 feet of Gas in the pipe	0.000

Total Length: 55.00 ft Total Volume: 0.772 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:  
Laboratory Name: Laboratory Location:  
Recovery Comments:





Serial #: 6731    Inside    Iuka-Carmi Development    23/28S/14W Patt Co.    DST Test Number: 1