



**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
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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

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: \_\_\_\_\_



1057592

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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Form	ACO1 - Well Completion
Operator	Noble Petroleum, Inc.
Well Name	JONES 2
Doc ID	1057592

All Electric Logs Run

DUAL INDUCTION
COMPENSATED DENSITY/NEUTRON
MICROLOG
CEMENT BOND

Form	ACO1 - Well Completion
Operator	Noble Petroleum, Inc.
Well Name	JONES 2
Doc ID	1057592

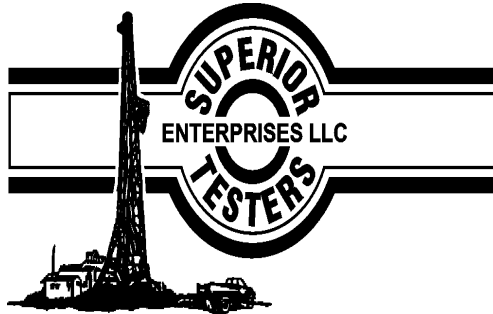
Tops

Name	Top	Datum
HEEBNER	1471	-205
DOUGLAS	1503	-237
LANSING	1715	-449
KC	2033	-767
HUSHPUCKNEY	2186	-920
BKC	2247	-981
MARMATON	2275	-1009
CHEROKEE	2407	-1141
ARBUCKLE	2469	-1203
LTD	2546	-1280

Form	ACO1 - Well Completion
Operator	Noble Petroleum, Inc.
Well Name	JONES 2
Doc ID	1057592

Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
6		39 GRAM IN HOLLOW STEEL	2476-2477
6		39 GRAM IN HOLLOW STEEL	2477-2479
		100 GAL. 15% MOD	2476-2477
		250 GAL 15% NEFE	2476-2477
		500 GAL 20 GELLED	2476-2477
		3' Gas Gun	2476-2479
		1000 20% MCA	2476-2479



## DRILL STEM TEST REPORT

Prepared For: **NOBLE PETROLEUM INC**

3101 N ROCK RD STE 125 WICHITA KS  
67226+3100

ATTN:

**17-28-4 BUTLER**

**JONES #2**

Start Date: 2011.05.21 @ 02:05:00

End Date: 2011.05.21 @ 08:27:30

Job Ticket #: 15808                      DST #: 1

Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902

Printed: 2011.05.21 @ 08:42:28

NOBLE PETROLEUM INC  
JONES #2  
17-28-4 BUTLER  
DST # 1  
LANSING  
2011.05.21



# DRILL STEM TEST REPORT

NOBLE PETROLEUM INC

**JONES #2**

3101 N ROCK RD STE 125 WICHITA KS  
67226+3100

**17-28-4 BUTLER**

Job Ticket: 15808

**DST#: 1**

ATTN:

Test Start: 2011.05.21 @ 02:05:00

## GENERAL INFORMATION:

Formation: **LANSING**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:49:00

Time Test Ended: 08:27:30

Test Type: Conventional Bottom Hole (Initial)

Tester: JARED SCHECK

Unit No: 3320-GB-290

**Interval: 1703.00 ft (KB) To 1726.00 ft (KB) (TVD)**

Reference Elevations: 1269.00 ft (KB)

Total Depth: 1726.00 ft (KB) (TVD)

1263.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 6.00 ft

**Serial #: 6663**

**Inside**

Press @ RunDepth: 79.87 psia @ 1722.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.05.21

End Date:

2011.05.21

Last Calib.:

2011.05.21

Start Time:

02:05:00

End Time:

08:27:30

Time On Btm:

2011.05.21 @ 03:48:00

Time Off Btm:

2011.05.21 @ 06:33:30

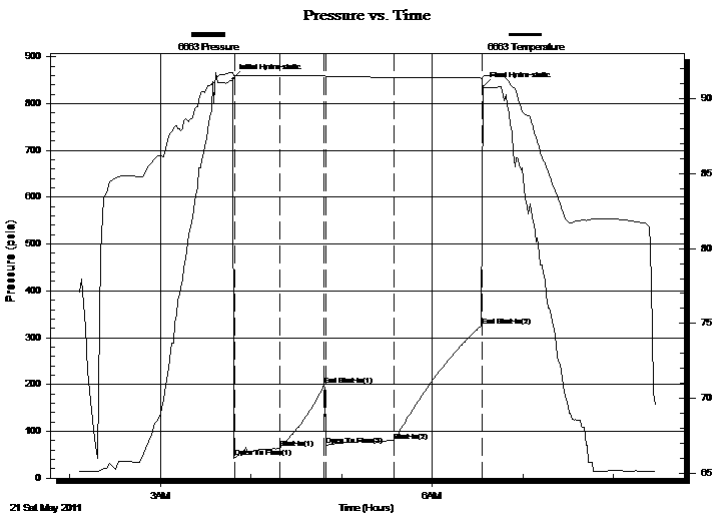
**TEST COMMENT:** 30/INITIAL OPEN:VERY WEAK SURFACE BLOW STAYEDE STEADY THROUGH OUT OPEN

30/INITIAL SHUT IN:NO BLOW BACK

45/FINAL OPEN:STRONG BLOW BUILT BOTTOM OF BUCKET IN 2 MINUTES

60/FINAL SHUT IN:NO BLOW BACK

## PRESSURE SUMMARY



Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	852.92	91.74	Initial Hydro-static
1	43.58	91.52	Open To Flow (1)
31	64.73	91.55	Shut-In(1)
60	197.78	91.54	End Shut-In(1)
62	69.28	91.49	Open To Flow (2)
107	79.87	91.40	Shut-In(2)
165	325.74	91.36	End Shut-In(2)
166	836.91	91.49	Final Hydro-static

## Recovery

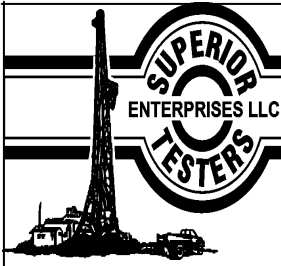
## Gas Rates

Length (ft)	Description	Volume (bbl)
90.00	MUD	0.44

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







# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

NOBLE PETROLEUM INC  
 3101 N ROCK RD STE 125 WICHITA KS  
 67226+3100  
 ATTN:

**JONES #2**  
**17-28-4 BUTLER**  
 Job Ticket: 15808      **DST#: 1**  
 Test Start: 2011.05.21 @ 02:05:00

**Tool Information**

Drill Pipe:	Length: 1520.00 ft	Diameter: 3.80 inches	Volume: 21.32 bbl	Tool Weight: 1000.00 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 22.21 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	26.00 ft			String Weight: Initial 32000.00 lb
Depth to Top Packer:	1703.00 ft			Final 32000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	52.00 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			1675.00	
Shut-In Tool	5.00			1680.00	
Hydroic Tool	5.00			1685.00	
Jars	6.00			1691.00	
Safety Joint	2.00			1693.00	
Packer	5.00			1698.00	29.00      Bottom Of Top Packer
Packer	5.00			1703.00	
Perforations	18.00			1721.00	
Recorder	1.00	6663	Inside	1722.00	
Recorder	1.00	6666	Outside	1723.00	
Bullnose	3.00			1726.00	23.00      Bottom Packers & Anchor

**Total Tool Length: 52.00**



# DRILL STEM TEST REPORT

**FLUID SUMMARY**

NOBLE PETROLEUM INC  
3101 N ROCK RD STE 125 WICHITA KS  
67226+3100  
ATTN:

**JONES #2**  
**17-28-4 BUTLER**  
Job Ticket: 15808      **DST#: 1**  
Test Start: 2011.05.21 @ 02:05:00

## 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:	ppm
Viscosity: 29.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.40 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

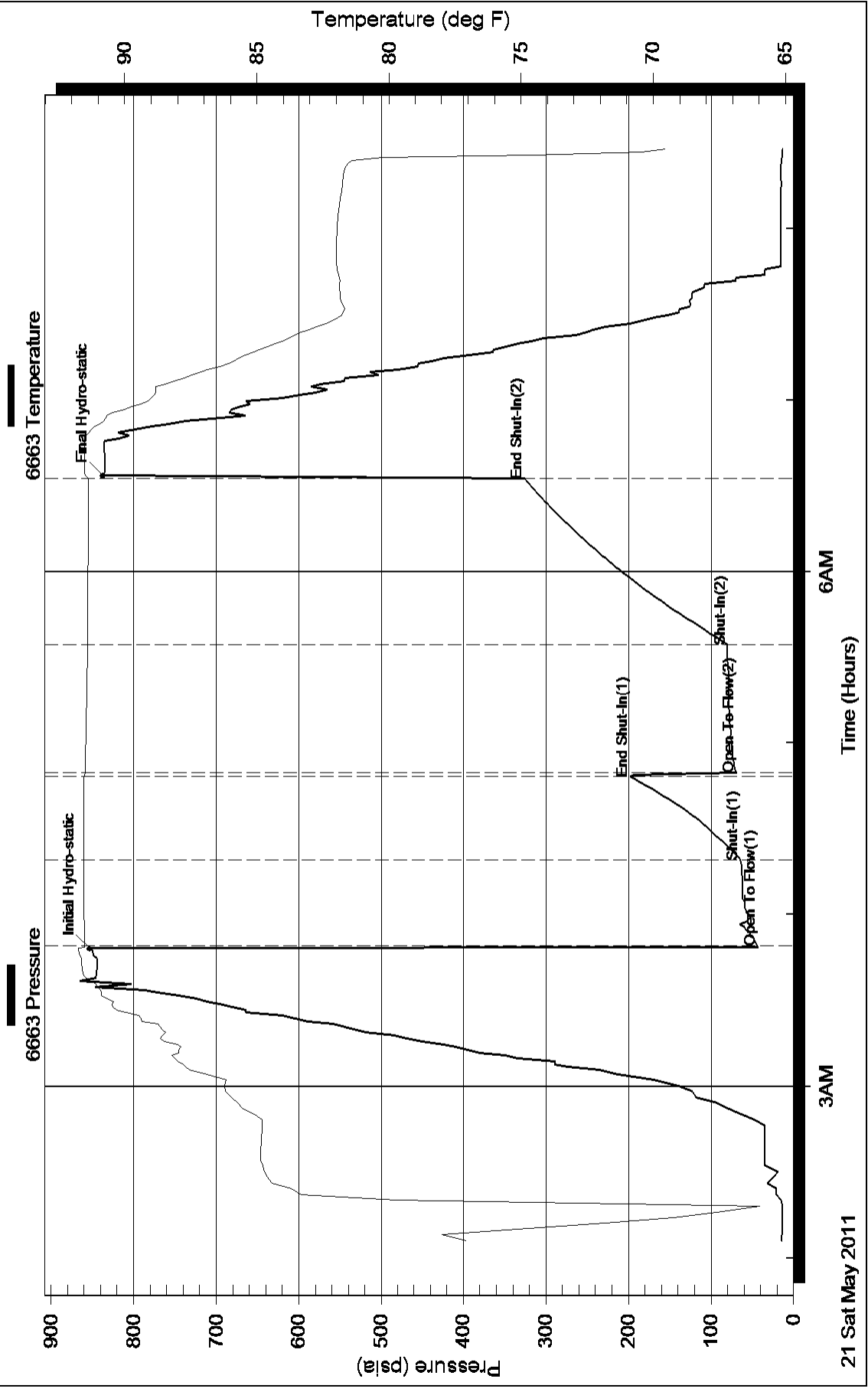
## Recovery Information

Recovery Table

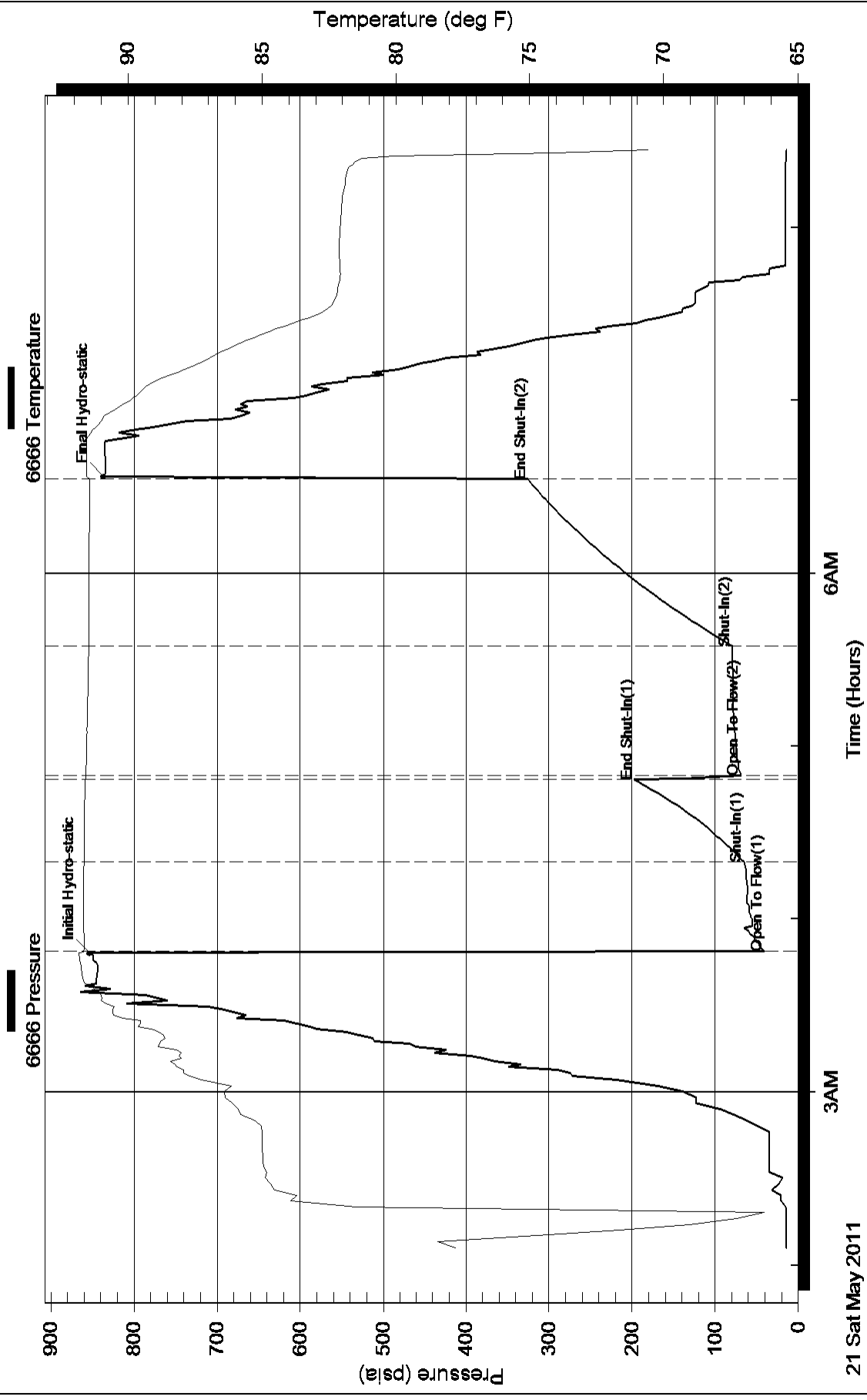
Length ft	Description	Volume bbl
90.00	MUD	0.443

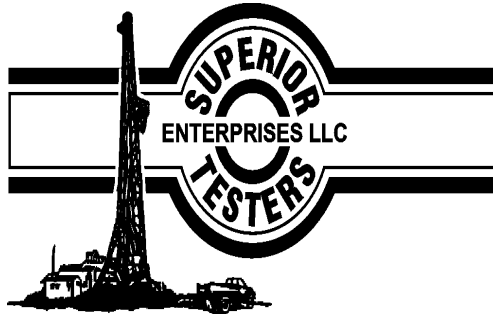
Total Length: 90.00 ft      Total Volume: 0.443 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

### Pressure vs. Time



### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **NOBLE PETROLEUM INC**

3101 N ROCK RD STE 125 WICHITA KS  
67226+3100

ATTN:

**17-28-4 BUTLER**

**JONES #2**

Start Date: 2011.05.22 @ 11:05:00

End Date: 2011.05.22 @ 16:55:30

Job Ticket #: 15809                      DST #: 2

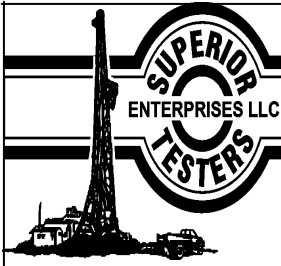
Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902

Printed: 2011.05.22 @ 17:05:34

NOBLE PETROLEUM INC  
JONES #2  
17-28-4 BUTLER  
DST # 2  
LOWER LANSING  
2011.05.22







# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

NOBLE PETROLEUM INC  
 3101 N ROCK RD STE 125 WICHITA KS  
 67226+3100  
 ATTN:

**JONES #2**  
**17-28-4 BUTLER**  
 Job Ticket: 15809      **DST#: 2**  
 Test Start: 2011.05.22 @ 11:05:00

**Tool Information**

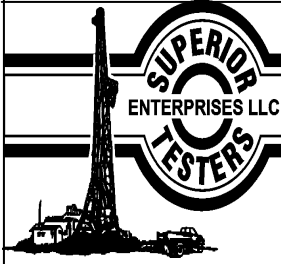
Drill Pipe:	Length: 1861.00 ft	Diameter: 3.80 inches	Volume: 26.10 bbl	Tool Weight: 1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 26.99 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	7.00 ft			String Weight: Initial 35000.00 lb
Depth to Top Packer:	2063.00 ft			Final 35000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	11.00 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
Change Over Sub	1.00			2035.00	
Shut-In Tool	5.00			2040.00	
Hydroic Tool	5.00			2045.00	
Jars	6.00			2051.00	
Safety Joint	2.00			2053.00	
Packer	5.00			2058.00	29.00      Bottom Of Top Packer
Packer	5.00			2063.00	
Perforations	6.00			2069.00	
Recorder	1.00	6663	Inside	2070.00	
Recorder	1.00	6666	Outside	2071.00	
Bullnose	3.00			2074.00	11.00      Bottom Packers & Anchor

**Total Tool Length: 40.00**





# DRILL STEM TEST REPORT

**FLUID SUMMARY**

NOBLE PETROLEUM INC  
3101 N ROCK RD STE 125 WICHITA KS  
67226+3100  
ATTN:

**JONES #2**  
**17-28-4 BUTLER**  
Job Ticket: 15809      **DST#: 2**  
Test Start: 2011.05.22 @ 11:05:00

## Mud and Cushion Information

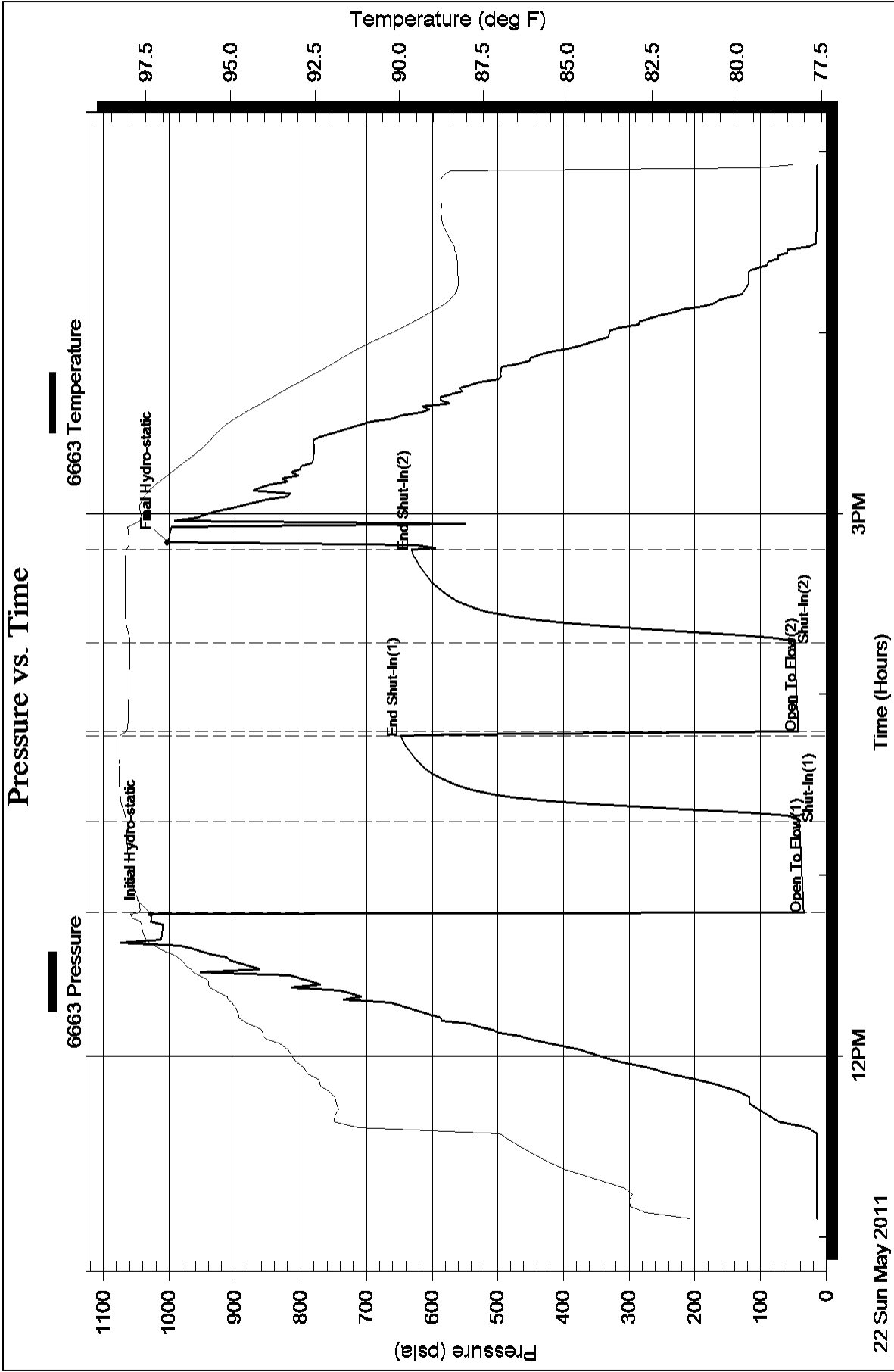
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.00 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 200.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

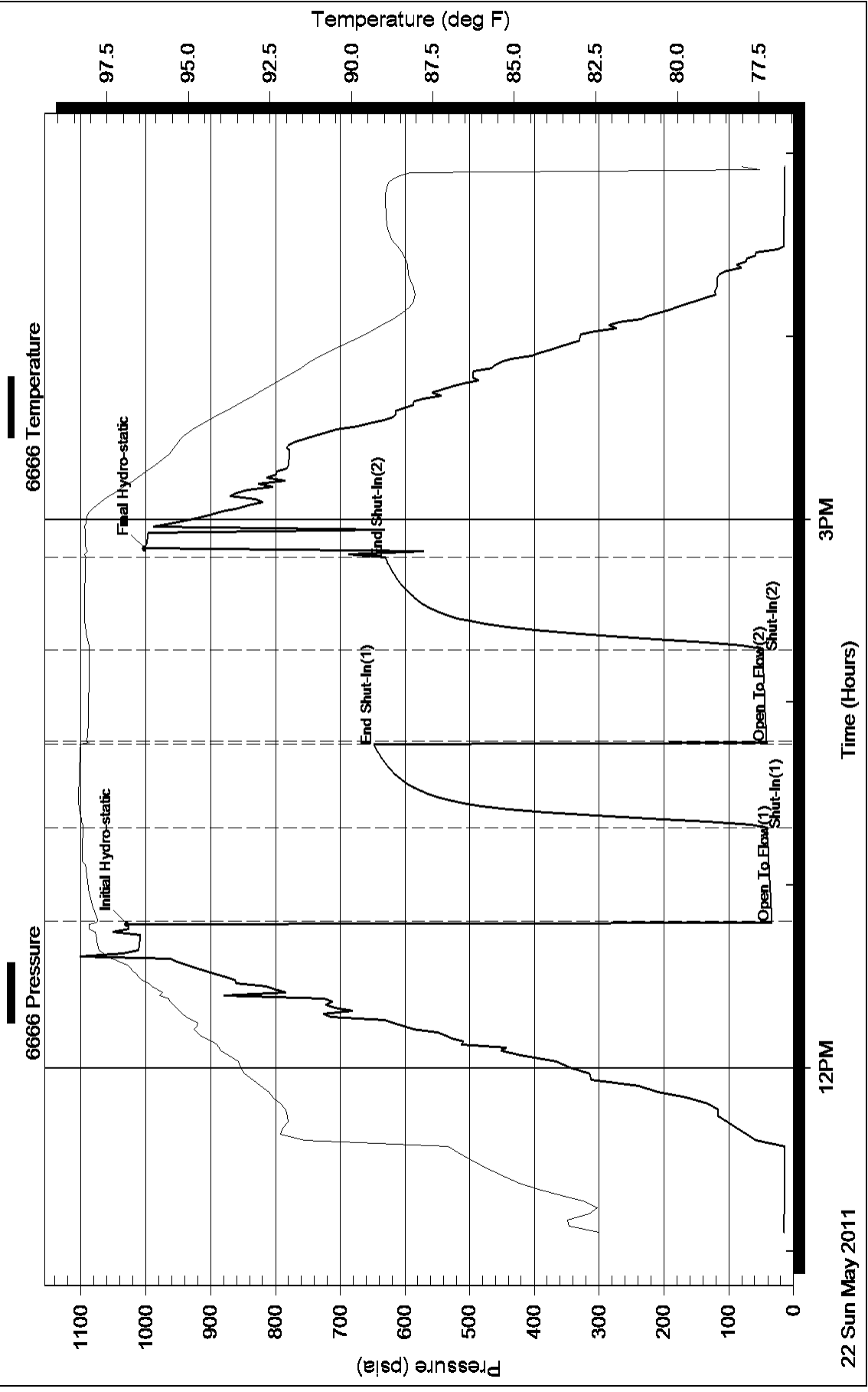
Recovery Table

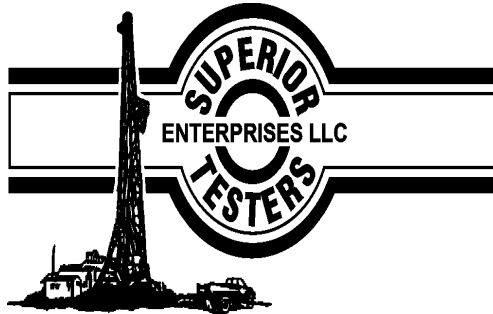
Length ft	Description	Volume bbl
30.00	MUD	0.148

Total Length: 30.00 ft      Total Volume: 0.148 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:



# Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **NOBLE PETROLEUM INC**

3101 N ROCK RD STE 125 WICHITA KS  
67226+3100

ATTN:

**17-28-4 BUTLER**

**JONES #2**

Start Date: 2011.05.23 @ 23:00:00

End Date: 2011.05.24 @ 05:23:30

Job Ticket #: 15810                      DST #: 3

Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902

Printed: 2011.05.24 @ 05:23:56

NOBLE PETROLEUM INC  
JONES #2  
17-28-4 BUTLER  
DST # 3  
ARBUCKLE  
2011.05.23







# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

NOBLE PETROLEUM INC  
 3101 N ROCK RD STE 125 WICHITA KS  
 67226+3100  
 ATTN:

**JONES #2**  
**17-28-4 BUTLER**  
 Job Ticket: 15810      **DST#: 3**  
 Test Start: 2011.05.23 @ 23:00:00

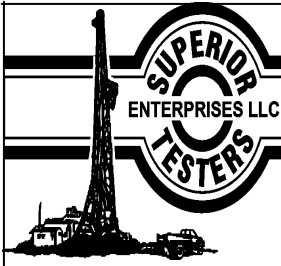
**Tool Information**

Drill Pipe:	Length: 2265.00 ft	Diameter: 3.80 inches	Volume: 31.77 bbl	Tool Weight: 1000.00 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: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 54000.00 lb
			<u>Total Volume: 32.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 39000.00 lb
Depth to Top Packer:	2468.00 ft			Final 39000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	9.00 ft			
Tool Length:	38.00 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			2440.00	
Shut-In Tool	5.00			2445.00	
Hydroic Tool	5.00			2450.00	
Jars	6.00			2456.00	
Safety Joint	2.00			2458.00	
Packer	5.00			2463.00	29.00      Bottom Of Top Packer
Packer	5.00			2468.00	
Perforations	4.00			2472.00	
Recorder	1.00	6663	Inside	2473.00	
Recorder	1.00	6666	Outside	2474.00	
Bullnose	3.00			2477.00	9.00      Bottom Packers & Anchor

**Total Tool Length: 38.00**



# DRILL STEM TEST REPORT

**FLUID SUMMARY**

NOBLE PETROLEUM INC  
 3101 N ROCK RD STE 125 WICHITA KS  
 67226+3100  
 ATTN:

**JONES #2**  
**17-28-4 BUTLER**  
 Job Ticket: 15810      **DST#: 3**  
 Test Start: 2011.05.23 @ 23:00:00

## 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:	ppm
Viscosity: 42.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.80 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

## Recovery Information

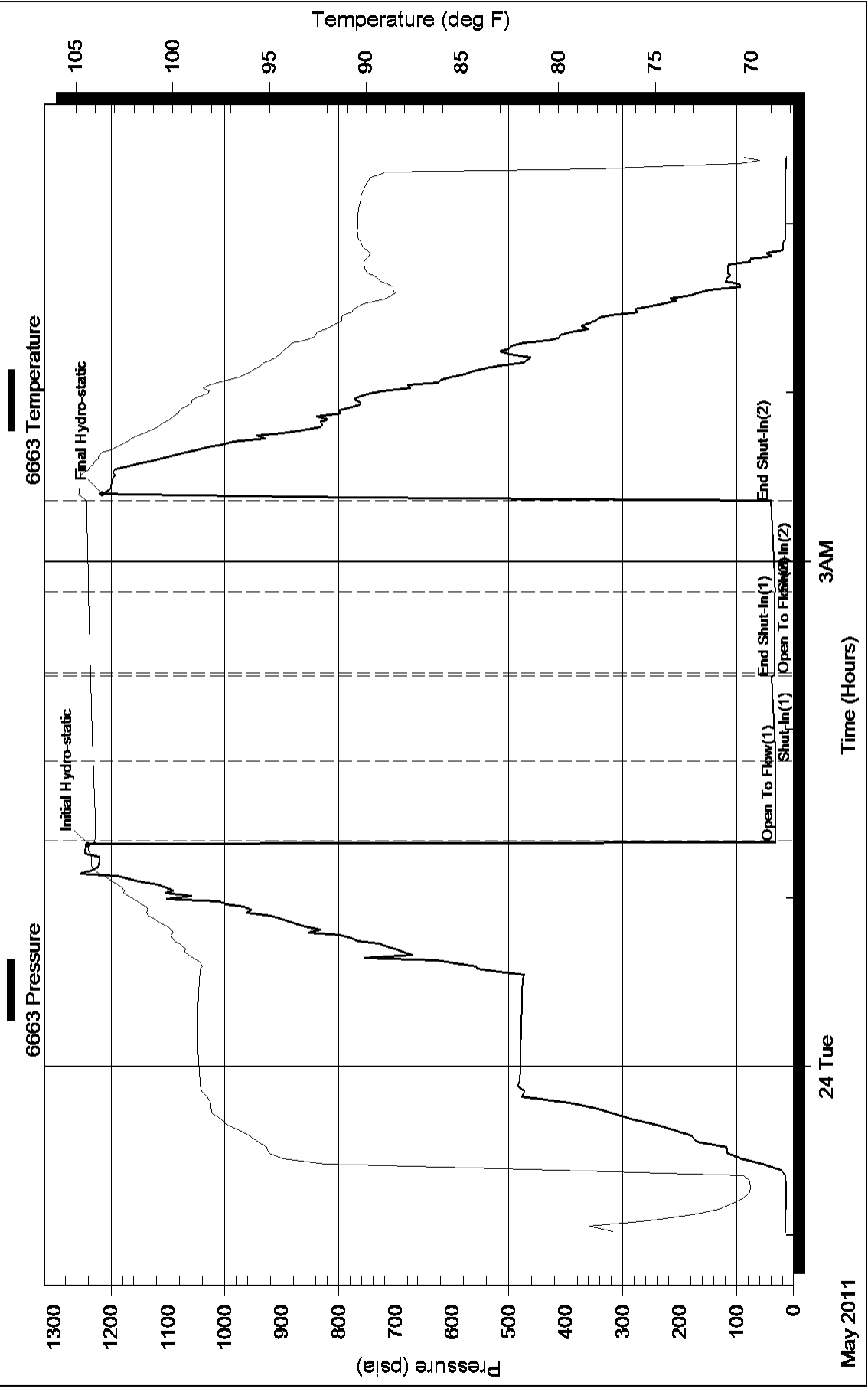
Recovery Table

Length ft	Description	Volume bbl
30.00	SLIGHTLEY OIL CUT MUD 5%OIL 95%MUD	0.148

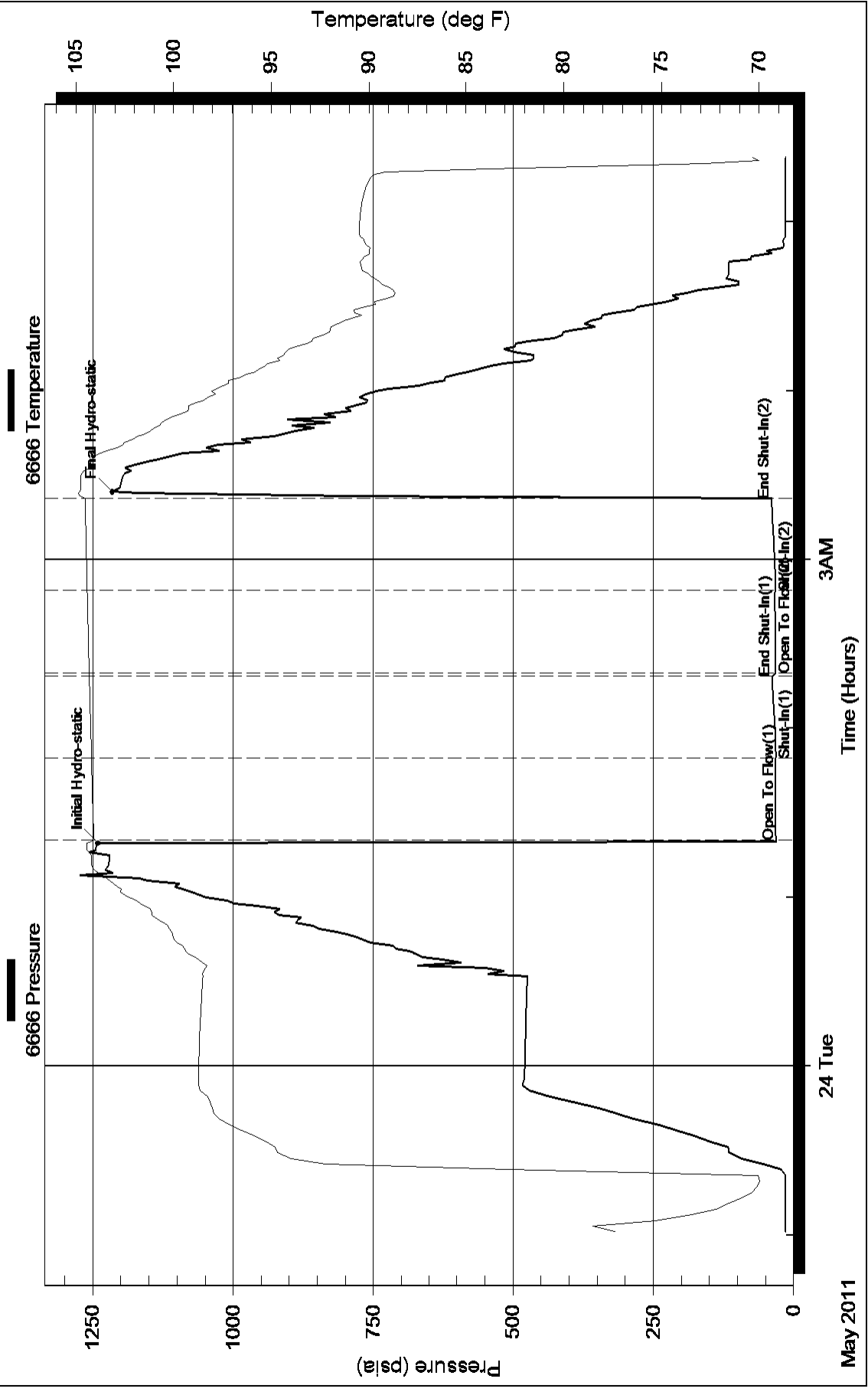
Total Length: 30.00 ft      Total Volume: 0.148 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:

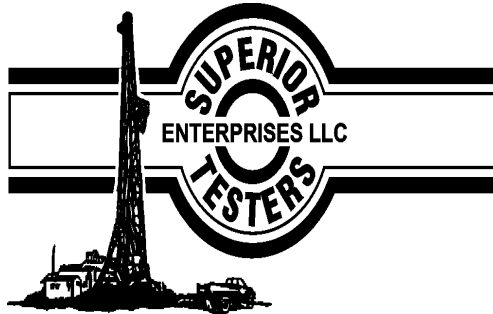


# Pressure vs. Time



### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **NOBLE PETROLEUM INC**

3101 N ROCK RD STE 125 WICHITA KS  
67226+3100

ATTN:

**17-28-4 BUTLER**

**JONES #2**

Start Date: 2011.05.24 @ 11:10:00

End Date: 2011.05.24 @ 18:19:00

Job Ticket #: 15811                      DST #: 4

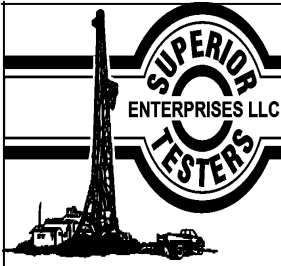
Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902

Printed: 2011.05.24 @ 18:33:27

NOBLE PETROLEUM INC  
JONES #2  
17-28-4 BUTLER  
DST # 4  
ARBUCKLE TEST  
2011.05.24







# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

NOBLE PETROLEUM INC  
 3101 N ROCK RD STE 125 WICHITA KS  
 67226+3100  
 ATTN:

**JONES #2**  
**17-28-4 BUTLER**  
 Job Ticket: 15811      **DST#: 4**  
 Test Start: 2011.05.24 @ 11:10:00

**Tool Information**

Drill Pipe:	Length: 2265.00 ft	Diameter: 3.80 inches	Volume: 31.77 bbl	Tool Weight: 1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 1000.00 lb
Drill Collar:	Length: 180.00 ft	Diameter: 2.25 inches	Volume: 0.89 bbl	Weight to Pull Loose: 5500.00 lb
			<u>Total Volume: 32.66 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 39000.00 lb
Depth to Top Packer:	2468.00 ft			Final 39000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	14.00 ft			
Tool Length:	43.00 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			2440.00	
Shut-In Tool	5.00			2445.00	
Hydroic Tool	5.00			2450.00	
Jars	6.00			2456.00	
Safety Joint	2.00			2458.00	
Packer	5.00			2463.00	29.00      Bottom Of Top Packer
Packer	5.00			2468.00	
Perforations	9.00			2477.00	
Recorder	1.00	6663	Inside	2478.00	
Recorder	1.00	6666	Outside	2479.00	
Bullnose	3.00			2482.00	14.00      Bottom Packers & Anchor

**Total Tool Length: 43.00**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

NOBLE PETROLEUM INC  
 3101 N ROCK RD STE 125 WICHITA KS  
 67226+3100  
 ATTN:

**JONES #2**  
**17-28-4 BUTLER**  
 Job Ticket: 15811      **DST#: 4**  
 Test Start: 2011.05.24 @ 11:10:00

### Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 42 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl	
Water Loss: 9.20 in <sup>3</sup>	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psia	
Salinity: 2000.00 ppm		
Filter Cake: 1.00 inches		

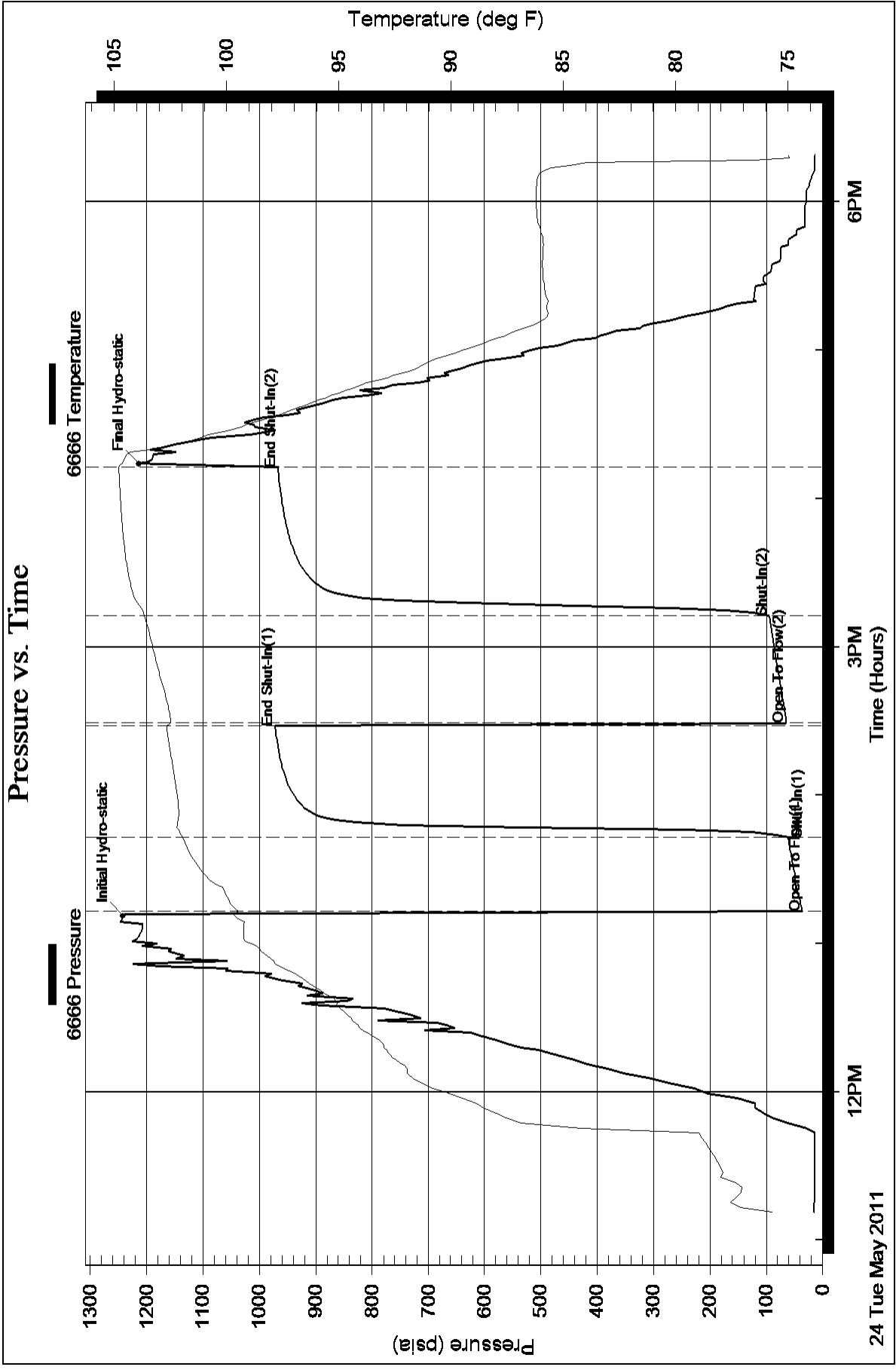
### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	SLIGHTLEY OIL CUT MUD 10%OIL 90%MUD	0.295
90.00	CLEAN OIL 100%OIL	0.443
0.00	GRAVITY OIL 42	0.000

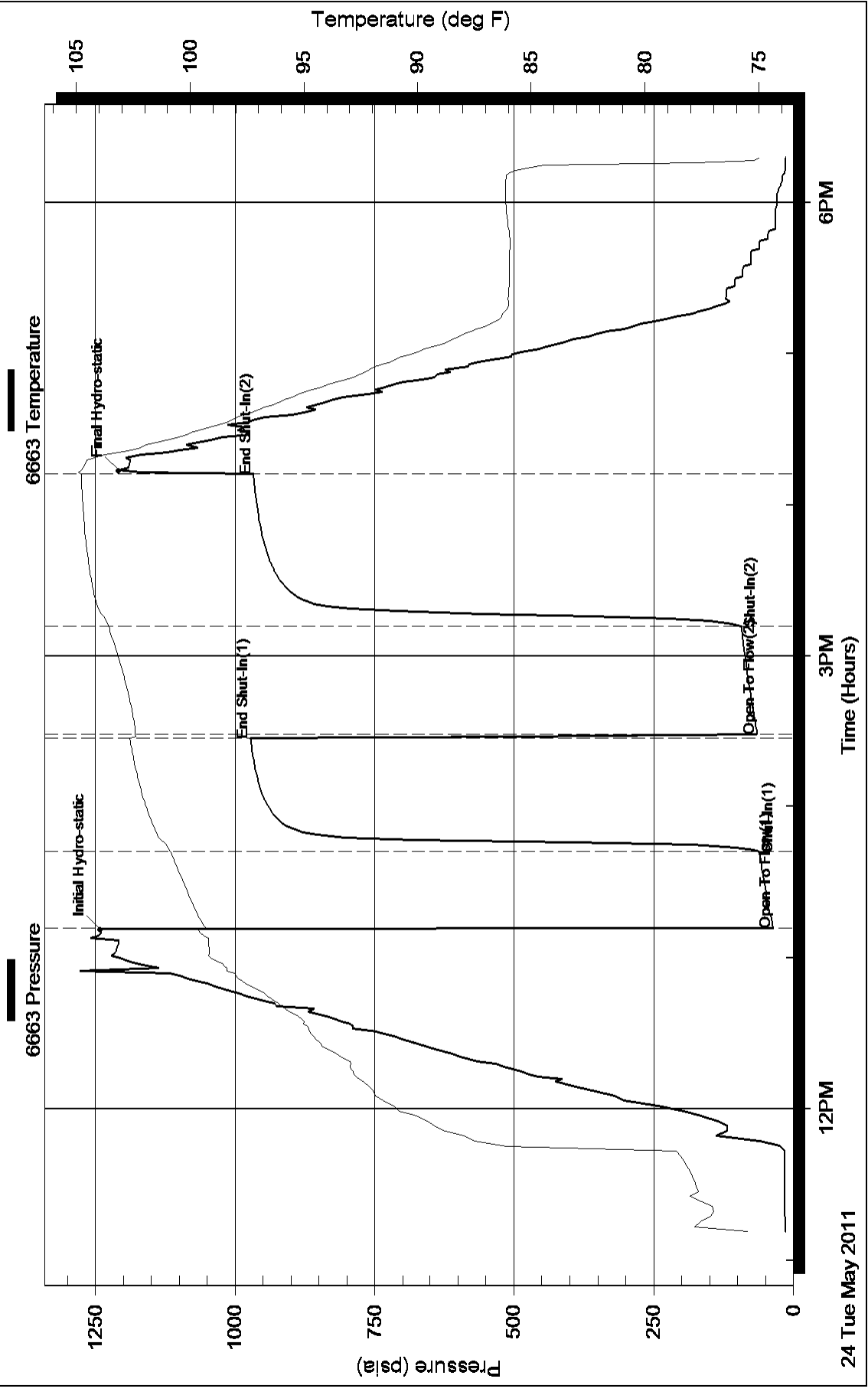
Total Length: 150.00 ft      Total Volume: 0.738 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments: GRAVITY OIL 42

### Pressure vs. Time





### Pressure vs. Time

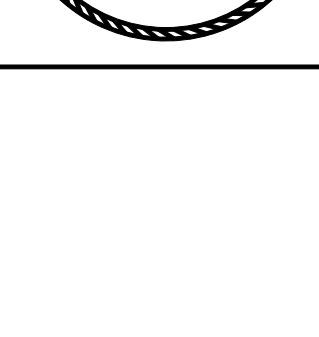


# Noble Petroleum, Inc.

## GEOLOGICAL REPORT DRILLING TIME & SAMPLE LOG

REPORT PREPARED BY FRANK S. MIZE/GEOLOGIST

API#: 15-015-23,899



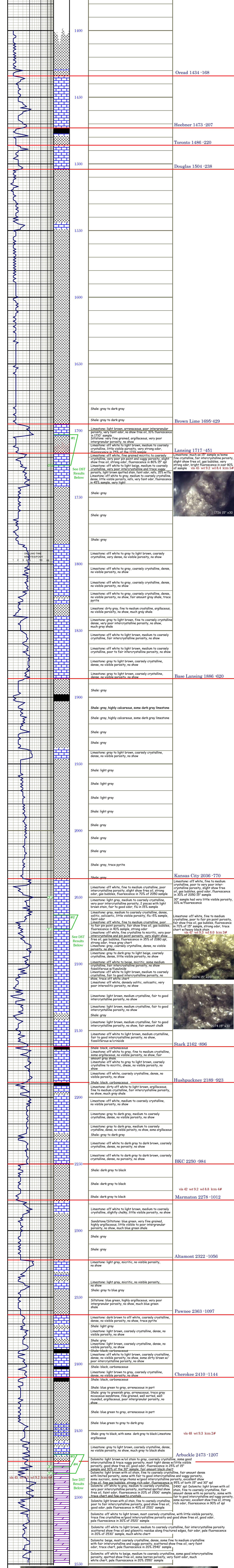
COMPANY: Noble Petroleum, Inc.  
LEASE: Jones #2  
FIELD: Augusta  
LOCATION: 990 FSL & 480 FWL  
SEC. 17 T15P 28S R3E 4E  
COUNTY: Butler STATE: Kansas

CONTRACTOR: C&G Drilling Rig #1  
SPUD: 5-17-11 COMP: 5-25-11  
SAMPLES SAVED FROM: 1400' TO RTD

ELEVATION: K.B. 1266  
D.F. \_\_\_\_\_  
G.L. 1260  
DEPTH MEASURED FROM: KB  
Log: Drilling

FORMATION	SAMPLE	E. LOG	DATUM	A. ELOG	B. ELOG	C.
Oread	1434	1433	-152	-157		
Heebner	1473	1471	-195	-197		
Douglas	1504	1503	-227	-229		
Brown	1622	1621	-422	-420		
Lansing	1727	1726	-612	-610		
Base Lansing	1882	1882	-755	-757		
Stark	2036	2033	-885	-885		
Hushpucknev	2189	2186	-970	-970		
BKC	2250	2247	-977	-981		
Marmaton	2278	2275	-1005	-1012		
Cherokee	2410	2407	-1139	-1144		
Arbuckle	2473	2469	-1206	-1207		
RTD/LTD	2549	2546				

REFERENCE WELLS  
A. FSL FNL & 990 FWL 20-28S-4E, Noble Petroleum, Jones #1  
B. C. SLS SW SW 17-28S-4E, City Service, Haskins #22  
C. C. E2 S3 SW 17-28S-4E, Hammer & Mendenham, Haskins #2



Oread 1434 -168

Heebner 1473 -207

Toronto 1486 -220

Douglas 1504 -238

Brown Lime 1695-429

Lansing 1717 -451

Base Lansing 1886 -620

Kansas City 2036 -770

Stark 2162 -896

Hushpucknev 2189 -923

BKC 2250 -984

Marmaton 2278 -1012

Pawnee 2363 -1097

Cherokee 2410 -1144

Arbuckle 2473 -1207

Altamont 2322 -1056

Pawnee 2363 -1097

Cherokee 2410 -1144

Arbuckle 2473 -1207

Altamont 2322 -1056

Pawnee 2363 -1097

Cherokee 2410 -1144

Arbuckle 2473 -1207

Altamont 2322 -1056

Pawnee 2363 -1097

Cherokee 2410 -1144

Arbuckle 2473 -1207

Altamont 2322 -1056

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Arbuckle 2473 -1207

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Altamont 2322 -1056

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Pawnee 2363 -1097

Cherokee 2410 -1144

Arbuckle 2473 -1207

Altamont 2322 -1056

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Cherokee 2410 -1144

Arbuckle 2473 -1207

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Cherokee 2410 -1144

Arbuckle 2473 -1207

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Cherokee 2410 -1144

Arbuckle 2473 -1207

Altamont 2322 -1056

Pawnee 2363 -1097

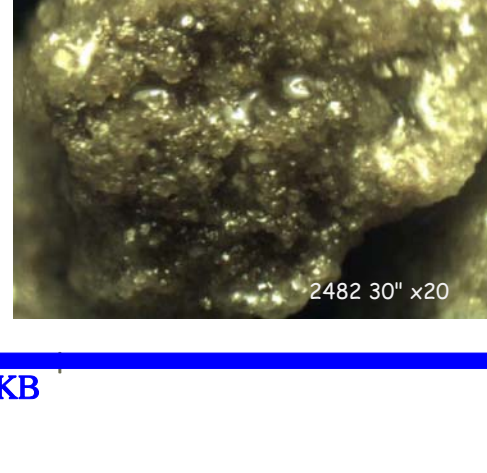
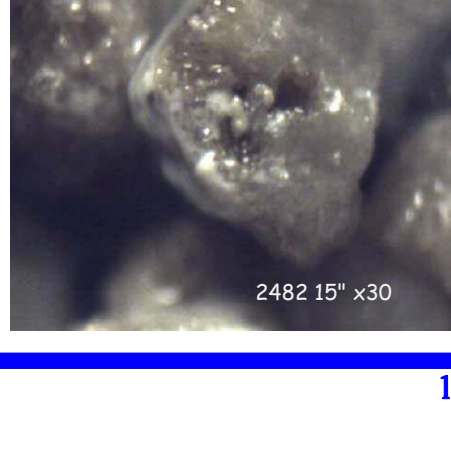
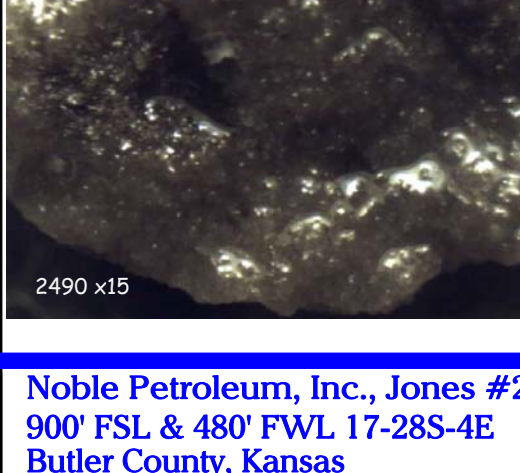
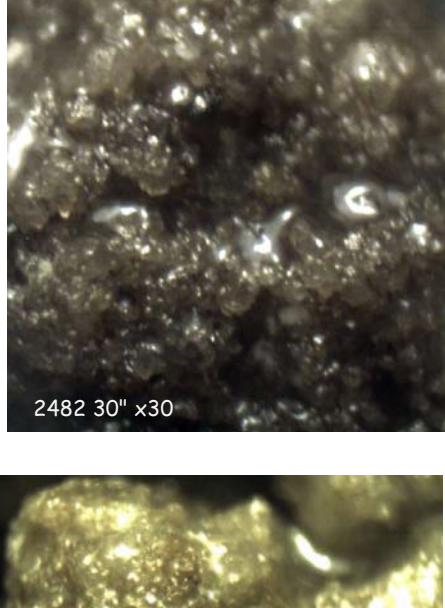
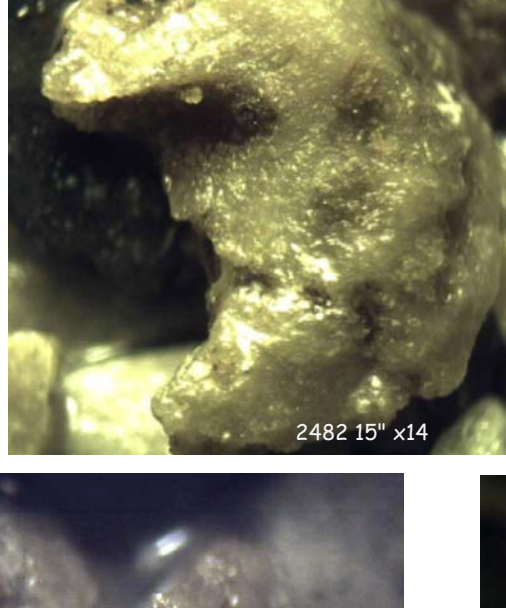
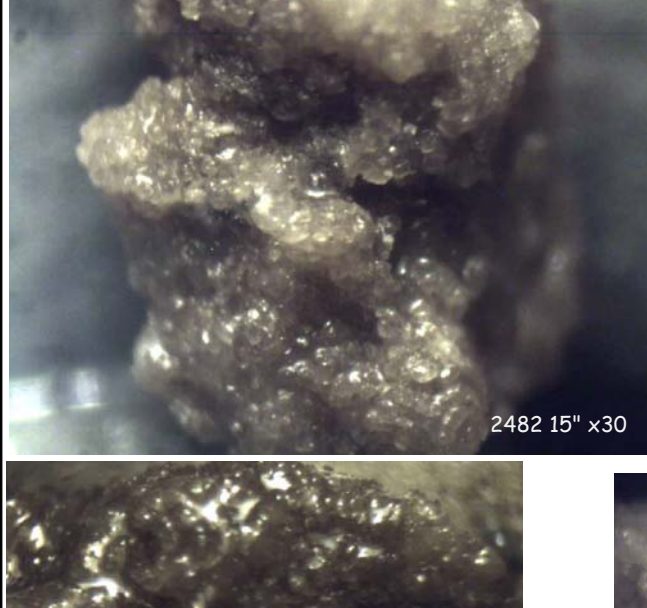
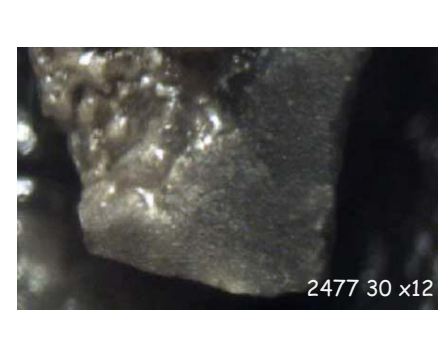
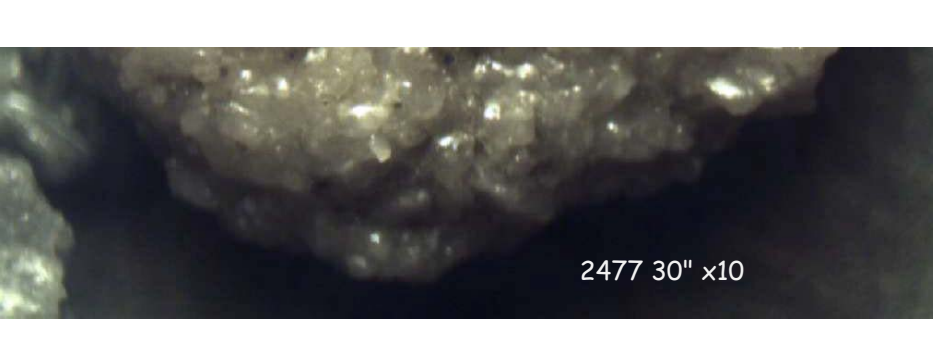
Cherokee 2410 -1144

Arbuckle 2473 -1207

Altamont 2322 -1056

Pawnee 2363 -1097

Cherokee 2410 -1144



Noble Petroleum, Inc., Jones #2  
900' FSL & 480' FWL 17-28S-4E  
Butler County, Kansas

1266 KB

Comments:

GENERAL INFORMATION:			
Formation:	LANSING		
Deviated:	No Whipstock:	ft (KB)	
Time Tool Opened:	03:49:00		
Time Test Ended:	08:27:30		
Interval:	1703.00 ft (KB) To 1726.00 ft (KB) (TVD)		
Total Depth:	1726.00 ft (KB) (TVD)		
Hole Diameter:	7.88 inches	Hole Condition: Fair	
Test Type:	Conventional Bottom Hole (Initial)		
Tester:	JARED SCHECK		
Unit No:	3320-GB-290		
Reference Elevations:	1269.00 ft (KB)		
	1263.00 ft (CF)		
	KB to GR/CF:	6.00 ft	

Serial #: 6663	Inside			Capacity:	5000.00 psia
Press@RunDepth:	79.87 psia @ 1722.00 ft (KB)			Last Calib.:	2011.05.21
Start Date:	2011.05.21	End Date:	2011.05.21	Time On Btm:	2011.05.21 @ 03:48:00
Start Time:	02:05:00	End Time:	08:27:30	Time Off Btm:	2011.05.21 @ 06:33:30

TEST COMMENT: 30/INITIAL OPEN VERY WEAK SURFACE BLOW STAYED STEADY THROUGH OUT OPEN  
30/INITIAL SHUT IN NO BLOW BACK  
45/FINAL OPEN STRONG BLOW BUILT BOTTOM OF BUCKET IN 2 MINUTES  
60/FINAL SHUT IN NO BLOW BACK

PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	852.92	91.74	Initial Hydro-static
1	43.58	91.52	Open To Flow (1)
31	64.73	91.55	Shut-In(1)
60	197.78	91.54	End Shut-In(1)
62	69.28	91.49	Open To Flow (2)
107	79.87	91.40	Shut-In(2)
165	325.74	91.36	End Shut-In(2)
166	836.91	91.49	Final Hydro-static

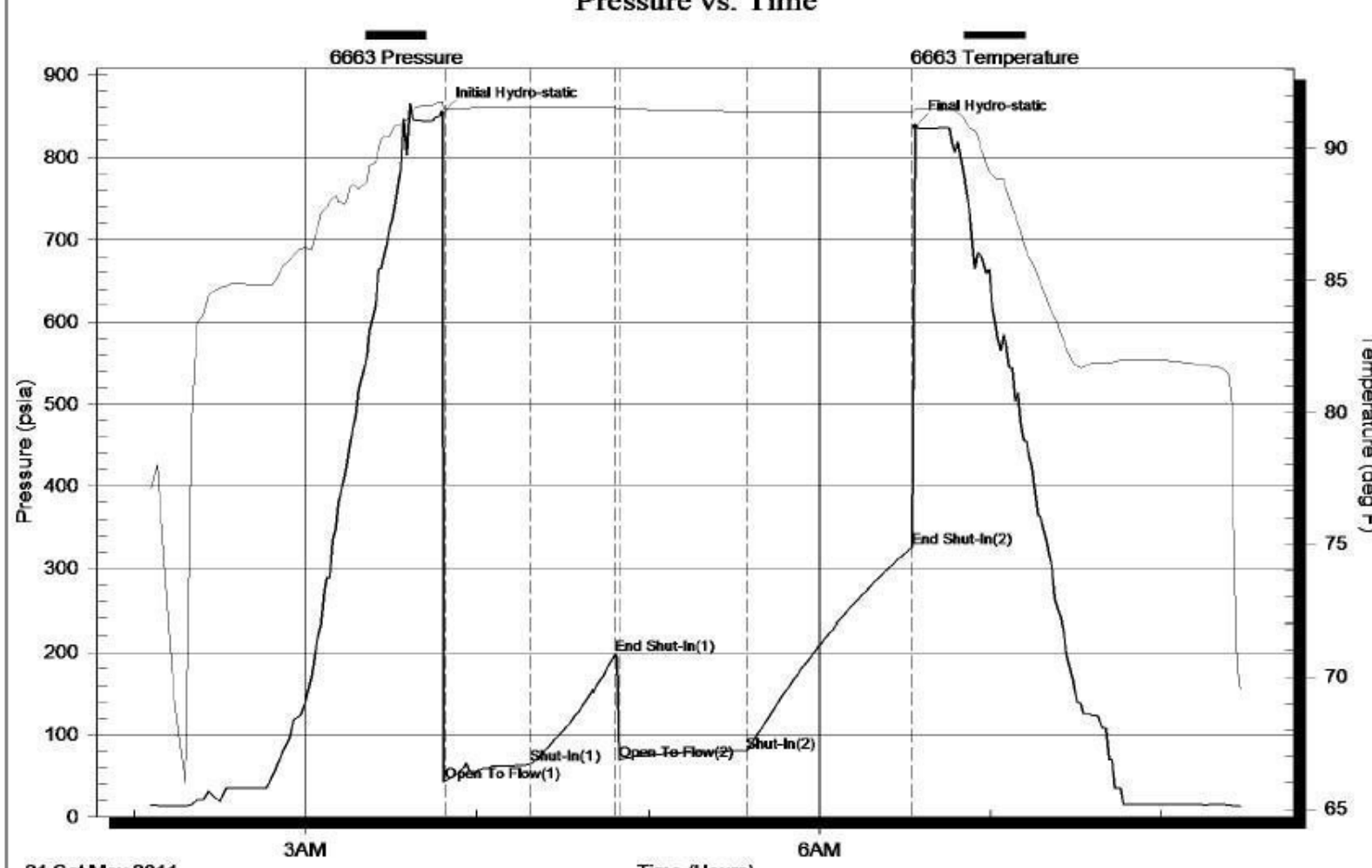


Recovery

Length (ft)	Description	Volume (bbl)
90.00	MUD	0.44

Serial #: 6663 Inside NOBLE PETROLEUM INC 17-28-4 BUTLER DST Test Number: 1

Pressure vs. Time



21 Sat May 2011

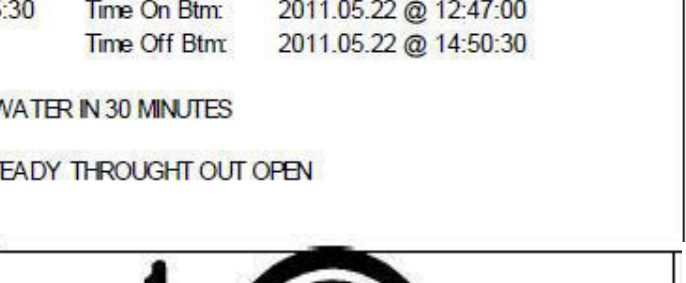
GENERAL INFORMATION:			
Formation:	LOWER LANSING		
Deviated:	No Whipstock:	ft (KB)	
Time Tool Opened:	12:47:30		
Time Test Ended:	16:55:30		
Interval:	2063.00 ft (KB) To 2074.00 ft (KB) (TVD)		
Total Depth:	2074.00 ft (KB) (TVD)		
Hole Diameter:	7.88 inches	Hole Condition: Fair	
Test Type:	Conventional Bottom Hole (Initial)		
Tester:	JARED SCHECK		
Unit No:	3320-GB-290		
Reference Elevations:	1269.00 ft (KB)		
	1263.00 ft (CF)		
	KB to GR/CF:	6.00 ft	

Serial #: 6666	Outside			Capacity:	5000.00 psia
Press@RunDepth:	630.94 psia @ 2071.00 ft (KB)			Last Calib.:	2011.05.22
Start Date:	2011.05.22	End Date:	2011.05.22	Time On Btm:	2011.05.22 @ 12:47:00
Start Time:	11:05:00	End Time:	16:55:30	Time Off Btm:	2011.05.22 @ 14:50:30

TEST COMMENT: 30/INITIAL OPEN VERY WEAK BLOW BUILT 3/4 INCH INTO WATER IN 30 MINUTES  
30/INITIAL SHUT IN NO BLOW BACK  
30/FINAL OPEN VERY WEAK SURFACE BLOW STAYED STEADY THROUGH OUT OPEN  
30/FINAL SHUT IN NO BLOW BACK

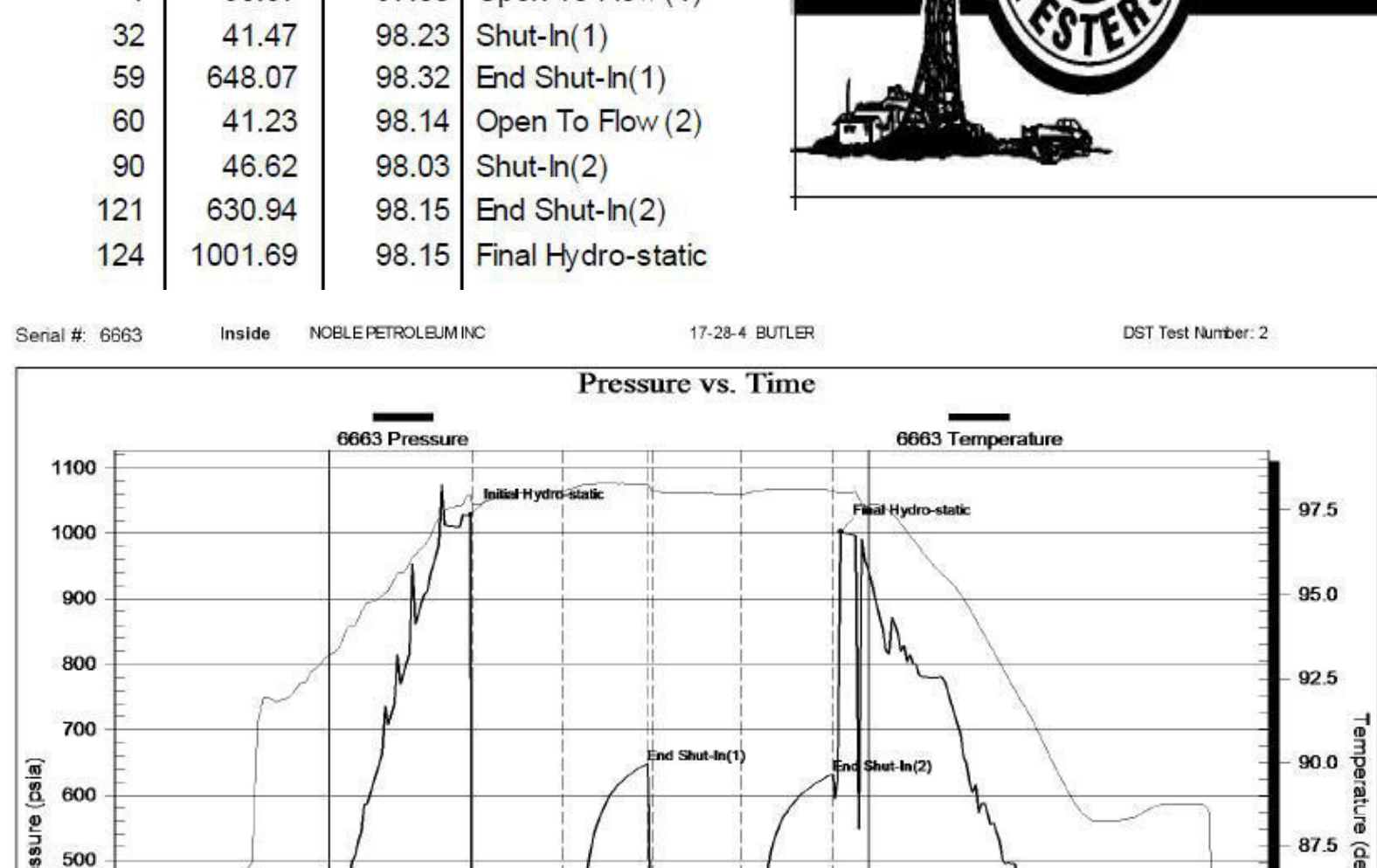
PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1028.80	98.05	Initial Hydro-static
1	33.57	97.80	Open To Flow (1)
32	41.47	98.23	Shut-In(1)
59	648.07	98.32	End Shut-In(1)
60	41.23	98.14	Open To Flow (2)
90	46.62	98.03	Shut-In(2)
121	630.94	98.15	End Shut-In(2)
124	1001.69	98.15	Final Hydro-static



Serial #: 6663 Inside NOBLE PETROLEUM INC 17-28-4 BUTLER DST Test Number: 2

Pressure vs. Time



22 Sun May 2011

GENERAL INFORMATION:			
Formation:	ARBUCKLE		
Deviated:	No Whipstock:	ft (KB)	
Time Tool Opened:	01:20:00		
Time Test Ended:	05:23:30		
Interval:	2468.00 ft (KB) To 2477.00 ft (KB) (TVD)		
Total Depth:	2477.00 ft (KB) (TVD)		
Hole Diameter:	7.88 inches	Hole Condition: Fair	
Test Type:	Conventional Bottom Hole (Initial)		
Tester:	DUSTIN ELLIS		
Unit No:	3320-GB-290		
Reference Elevations:	1269.00 ft (KB)		
	1263.00 ft (CF)		
	KB to GR/CF:	6.00 ft	

Serial #: 6663	Inside			Capacity:	5000.00 psia
Press@RunDepth:	33.16 psia @ 2473.00 ft (KB)			Last Calib.:	2011.05.24
Start Date:	2011.05.22	End Date:	2011.05.24	Time On Btm:	2011.05.24 @ 01:19:00
Start Time:	23:00:00	End Time:	05:23:30	Time Off Btm:	2011.05.24 @ 03:24:00

TEST COMMENT: 30/INITIAL OPEN VERY WEAK SURFACE BLOW BUILT 1/4 INCHES TO WATER IN 30 MIN.  
30/INITIAL SHUT IN: NO BLOW BACK  
30/FINAL OPEN VERY WEAK SURGE DID NOT BUILD  
30/FINAL OPEN NO BLOW BACK

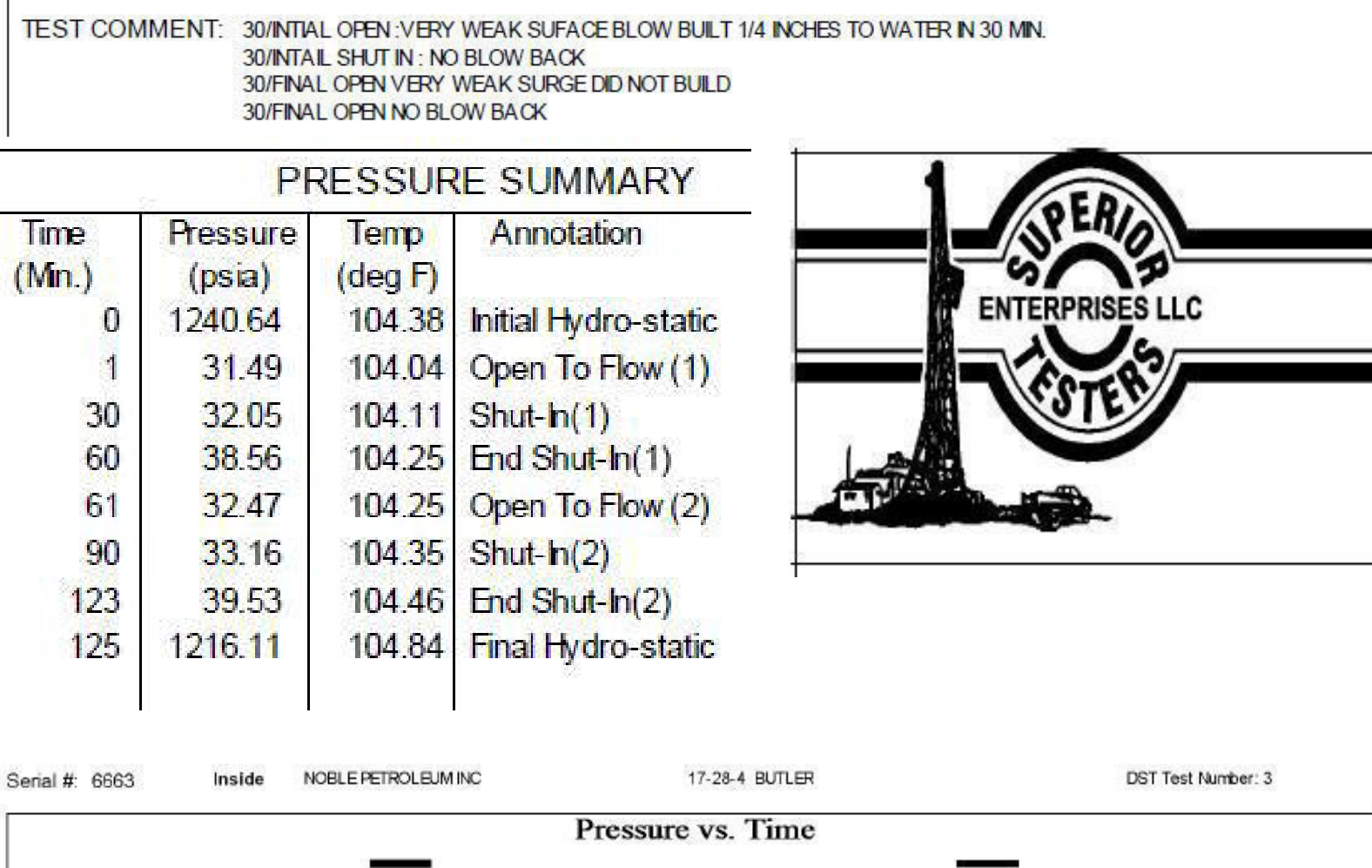
PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1240.64	104.38	Initial Hydro-static
1	31.49	104.04	Open To Flow (1)
30	32.05	104.11	Shut-In(1)
60	38.57	104.25	End Shut-In(1)
61	32.47	104.25	Open To Flow (2)
90	33.16	104.35	Shut-In(2)
123	39.53	104.46	End Shut-In(2)
125	1216.11	104.84	Final Hydro-static



Serial #: 6666 Outside NOBLE PETROLEUM INC 17-28-4 BUTLER DST Test Number: 3

Pressure vs. Time



May 2011 24 Tue

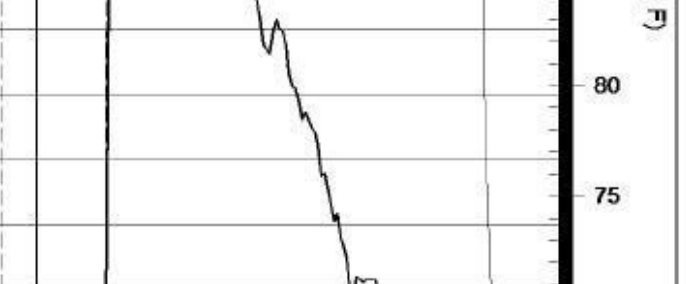
GENERAL INFORMATION:			
Formation:	ARBUCKLE TEST		
Deviated:	No Whipstock:	ft (KB)	
Time Tool Opened:	13:12:30		
Time Test Ended:	18:19:00		
Interval:	2468.00 ft (KB) To 2482.00 ft (KB) (TVD)		
Total Depth:	2482.00 ft (KB) (TVD)		
Hole Diameter:	7.88 inches	Hole Condition: Fair	
Test Type:	Inflate Bottom Hole (Initial)		
Tester:	DUSTIN ELLIS		
Unit No:	3320		
Reference Elevations:	1269.00 ft (KB)		
	1263.00 ft (CF)		
	KB to GR/CF:	6.00 ft	

Serial #: 6666	Outside			Capacity:	5000.00 psia
Press@RunDepth:	94.74 psia @ 2479.00 ft (KB)			Last Calib.:	2011.05.24
Start Date:	2011.05.24	End Date:	2011.05.24	Time On Btm:	2011.05.24 @ 13:11:00
Start Time:	11:10:00	End Time:	18:19:00	Time Off Btm:	2011.05.24 @ 16:14:00

TEST COMMENT: 30/INITIAL OPEN FAIR BLOW BUILT 7 INCHES INTO WATER IN 30 MINUTES  
45/INITIAL SHUT IN: NO BLOW BACK  
45/FINAL OPEN WEAK BLOW BUILT 2 INCHES INTO WATER IN 15 MINUTES BLOW DIED OFF  
60/FINAL SHUT IN NO BLOW BACK

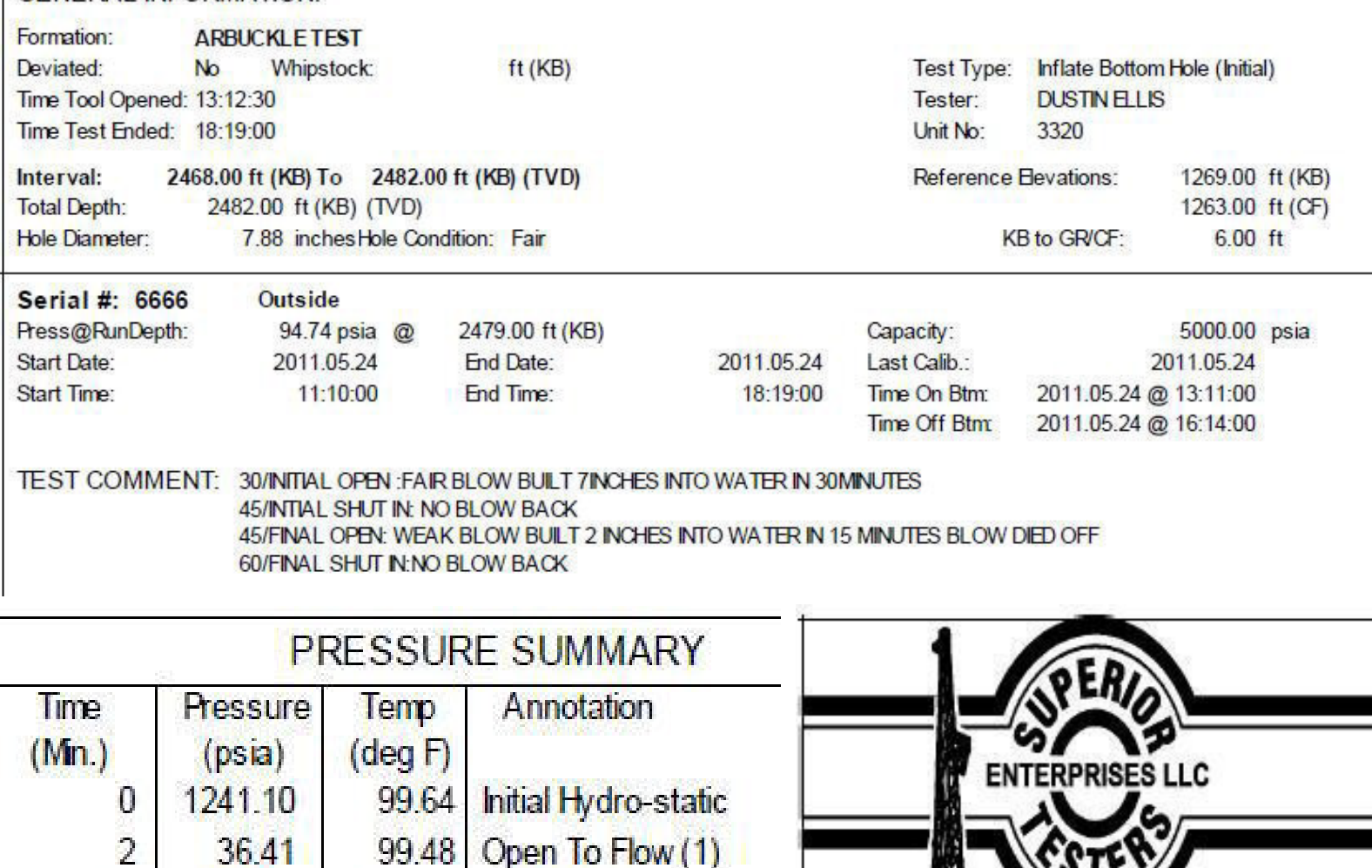
PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1241.10	99.64	Initial Hydro-static
2	36.41	99.48	Open To Flow (1)
32	61.05	101.97	Shut-In(1)
77	971.69	102.68	End Shut-In(1)
78	64.78	102.50	Open To Flow (2)
122	94.74	103.66	Shut-In(2)
182	966.86	104.79	End Shut-In(2)
183	1213.08	104.64	Final Hydro-static



Serial #: 6666 Outside NOBLE PETROLEUM INC 17-28-4 BUTLER DST Test Number: 4

Pressure vs. Time



24 Tue May 2011



**CONSOLIDATED**  
Oil Well Services, LLC

**ENTERED**

TICKET NUMBER 30540  
LOCATION Eureka KS  
FOREMAN Shannon Feck

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**

**CEMENT** Api # 15-015-23899

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY												
5-18-11	51631	Jones Augusta Pool #2	17	285	4E	Butler												
CUSTOMER <u>Noble Petroleum Inc.</u>			<table border="1"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>445</td> <td>DAVE</td> <td></td> <td></td> </tr> <tr> <td>439</td> <td>Joey</td> <td></td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	445	DAVE			439	Joey		
TRUCK #	DRIVER	TRUCK #					DRIVER											
445	DAVE																	
439	Joey																	
MAILING ADDRESS <u>3101 N. Rock Rd. Ste 125</u>																		
CITY <u>Wichita</u>		STATE <u>KS</u>	ZIP CODE <u>67226</u>															

JOB TYPE Surface ° HOLE SIZE 12 1/4 HOLE DEPTH 220' CASING SIZE & WEIGHT 8 5/8"  
 CASING DEPTH 211' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.2-14.5 # SLURRY VOL 25.2 BBL WATER gal/sk 6.40 CEMENT LEFT in CASING 20'  
 DISPLACEMENT 13.0 BBL DISPLACEMENT PSI 200 MIX PSI 150 RATE 5 BBL/minute

REMARKS: Rig up to 8 5/8 casing Break circulation with 5 BBL H2O, mixed 105 SKS Class "A" cement with 3% calcium, 2% gel & 1/4 # Flo-seal/sk, Displace with 13.0 BBL H2O, shut well in. Good circulation @ all times, circulated 6 BBL of Slurry to pit. Job complete, rig down & wash up.

*Thanks Shannon & crew*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	775.00	775.00
5406	25	MILEAGE	4.00	100.00
11045	105 SKS	Class "A" cement	14.25	1496.25
1102	300 #	Calcium @ 3%	.70	210.00
1118 B	200 #	gel @ 2%	.20	40.00
1107	27 #	Flo-seal 1/4 #/SK	2.22	59.94
5407	4.9 tons	Ton - mileage bulk truck	m/c	330.00
			Sub total	3011.19
			6.55% SALES TAX	118.31
			ESTIMATED TOTAL	3129.50

Ravin 3737

241506

AUTHORIZATION Colton TITLE \_\_\_\_\_ DATE 5-18-11

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



ENTERED

TICKET NUMBER 30584

LOCATION Eureka

FOREMAN Rick Ledford

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT

CEMENT

API# 15-015-23899

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5-25-11	5631	Jones # 2	17	28	4E	Butler
CUSTOMER			TRUCK #			
Mailing Address			DRIVER			
CITY			TRUCK #			
STATE			DRIVER			
ZIP CODE			TRUCK #			
Wichita			KS			
67226			437			

JOB TYPE long string O HOLE SIZE 7 7/8" HOLE DEPTH 2549 CASING SIZE & WEIGHT 5 1/2" 14"  
 CASING DEPTH 2548' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 13.6" SLURRY VOL 62 Bbl WATER gal/sk 9.0 CEMENT LEFT in CASING 10.10  
 DISPLACEMENT 62.5 Bbl DISPLACEMENT PSI 900 ~~PSI 1400 Bump plug~~ RATE 5 BPM

REMARKS: Safety meeting - Rig up to 5 1/2" casing. Pump 5 Bbl water ahead 15 Bbl metasilicate pre-flush, 5 Bbl water spacer. Mixed 190 sacks thickset cement w/ 5" Kotsrol/sk. 14 7/8" CAF-115 + 14 7/8" CAF-38 @ 13.6"/gal. yield 1.25. Washout pump & lines, shut down, release latch down plug. Displace w/ 62.5 Bbl fresh water. Final pump pressure 900 PSI. Bump plug to 1400 PSI. release pressure, float + plug held. Good circulation @ all times. Job complete. Rig down.

"Thank You"

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	975.00	975.00
5406	25	MILEAGE	4.00	100.00
1126A	190 sacks	thickset cement	18.30	3477.00
1110A	950 #	5" Kotsrol/sk	.44	418.00
1135A	40 #	14 7/8" CAF-115	9.95	398.00
1146	40 #	14 7/8" CAF-38	8.10	324.00
1111A	100 #	metasilicate pre-flush	1.90	190.00
5407	10.45	tan mileage bulk tax	m/c	330.00
5502C	5 hrs	80 Bbl WAC TAX	90.00	450.00
1123	3300 gals	city water	15.00/1000	51.48
4454	1	5 1/2" latch down plug	254.00	254.00
4159	1	5 1/2" AFU float shoe	344.00	344.00
4104	1	5 1/2" cement basket	229.00	229.00
4130	6	5 1/2" x 7 7/8" centralizers	48.00	288.00
			Subtotal	1828.48
			SALES TAX 6.55%	391.26
			ESTIMATED TOTAL	8219.74

Ravin 3737

AUTHORIZATION Gary Sheed TITLE 241638 DATE \_\_\_\_\_

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Conservation Division  
Finney State Office Building  
130 S. Market, Rm. 2078  
Wichita, KS 67202-3802



Phone: 316-337-6200  
Fax: 316-337-6211  
<http://kcc.ks.gov/>

Mark Sievers, Chairman  
Ward Loyd, Commissioner  
Thomas E. Wright, Commissioner

Sam Brownback, Governor

June 29, 2011

JAY ABLAH  
Noble Petroleum, Inc.  
3101 N ROCK RD STE 125  
WICHITA, KS 67226-1300

Re: ACO1  
API 15-015-23899-00-00  
JONES 2  
SW/4 Sec.17-28S-04E  
Butler County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
JAY ABLAH