



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



DRILL STEM TEST REPORT

NOBLE PETROLEUM INC
 3101 N ROCK RD STE 125 WICHITA KS
 67226+3100
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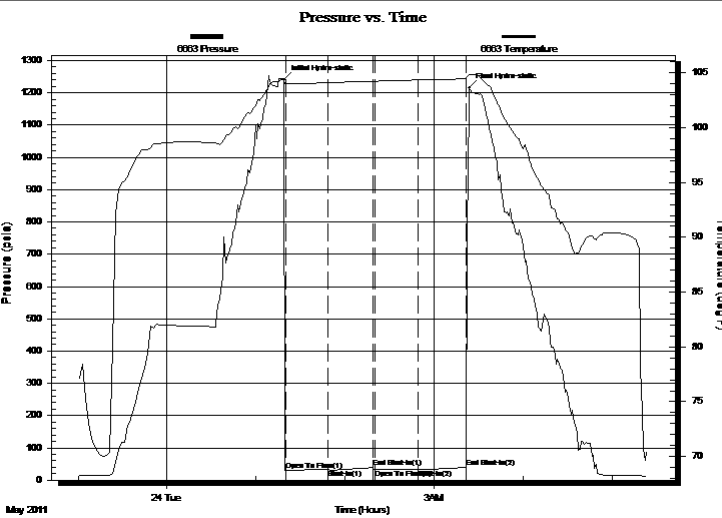
JONES #2
17-28-4 BUTLER
 Job Ticket: 15810 **DST#: 3**
 Test Start: 2011.05.23 @ 23:00:00

GENERAL INFORMATION:

Formation: **ARBUCKLE**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 01:20:00 Tester: DUSTIN ELLIS
 Time Test Ended: 05:23:30 Unit No: 3320-GB-290
 Interval: **2468.00 ft (KB) To 2477.00 ft (KB) (TVD)** Reference Elevations: 1269.00 ft (KB)
 Total Depth: 2477.00 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: 33.16 psia @ 2473.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2011.05.23 End Date: 2011.05.24 Last Calib.: 2011.05.24
 Start Time: 23:00:00 End Time: 05:23:30 Time On Btm: 2011.05.24 @ 01:19:00
 Time Off Btm: 2011.05.24 @ 03:24:00

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



PRESSURE SUMMARY

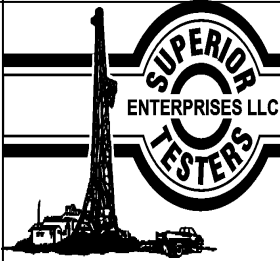
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1240.64	104.38	Initial Hydro-static
1	31.49	104.04	Open To Flow (1)
30	32.05	104.11	Shut-In(1)
60	38.56	104.25	End Shut-In(1)
61	32.47	104.25	Open To Flow (2)
90	33.16	104.35	Shut-In(2)
123	39.53	104.46	End Shut-In(2)
125	1216.11	104.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	SLIGHTLEY OIL CUT MUD 5%OIL 95%MUD	0.15

Gas Rates

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



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JONES #2

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17-28-4 BUTLER

Job Ticket: 15810

DST#: 3

ATTN:

Test Start: 2011.05.23 @ 23:00:00

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 #: 6666 Outside

Press @ RunDepth: 39.04 psia @ 2474.00 ft (KB)

Start Date: 2011.05.23

End Date: 2011.05.24

Start Time: 23:00:00

End Time: 05:22:30

Capacity: 5000.00 psia

Last Calib.: 2011.05.24

Time On Btm: 2011.05.24 @ 01:19:00

Time Off Btm: 2011.05.24 @ 03:24:00

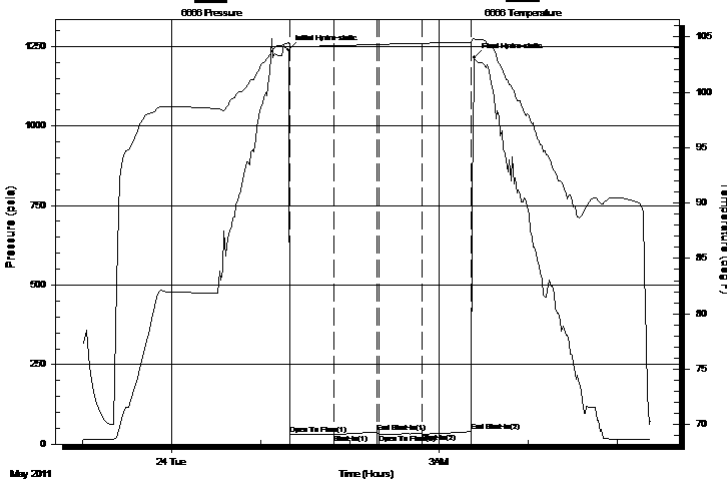
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30/INTAIL SHUT IN : NO BLOW BACK

30/FINAL OPEN VERY WEAK SURGE DID NOT BUILD

30/FINAL OPEN NO BLOW BACK

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1239.97	104.44	Initial Hydro-static
1	30.89	104.12	Open To Flow (1)
30	31.35	104.20	Shut-In(1)
60	37.71	104.31	End Shut-In(1)
61	31.77	104.31	Open To Flow (2)
90	32.60	104.42	Shut-In(2)
123	39.04	104.52	End Shut-In(2)
125	1215.15	104.81	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
30.00	SLIGHTLY OIL CUT MUD 5%OIL 95%MUD	0.15

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

NOBLE PETROLEUM INC
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 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



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FLUID SUMMARY

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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 ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 2000.00 ppm			
Filter Cake: 1.00 inches			

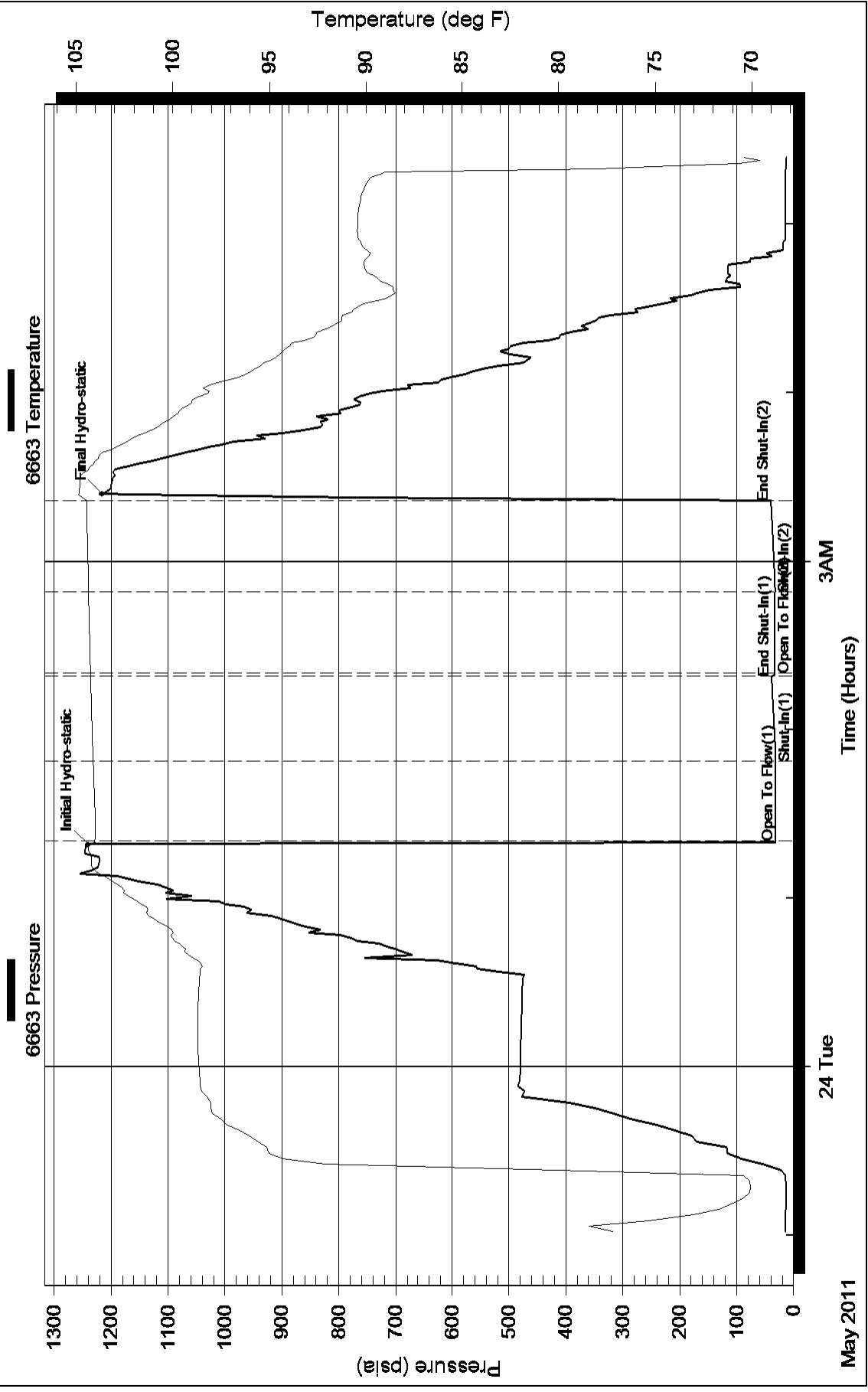
Recovery Information

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

