



KANSAS CORPORATION COMMISSION 1095216
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 # 33483
Name: Valhalla Exploration LLC
Address 1: 133 N GLENDALE ST
Address 2: _____
City: WICHITA State: KS Zip: 67208 + 4022
Contact Person: Kris Kennedy
Phone: (316) 558-5202
CONTRACTOR: License # 33793
Name: H2 Drilling LLC
Wellsite Geologist: Derek W. Patterson
Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SLOW
 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 #: _____

<u>2/03/2012</u>	<u>2/08/2012</u>	<u>2/28/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-159-22680-00-00

Spot Description: _____
E2 NW NE Sec. 33 Twp. 18 S. R. 10 East West
660 Feet from North / South Line of Section
1650 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Rice

Lease Name: RINGWALD Well #: 1-33

Field Name: _____

Producing Formation: Quartzite

Elevation: Ground: 1735 Kelly Bushing: 1743

Total Depth: 3212 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 344 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: 7900 ppm Fluid volume: 3000 bbls

Dewatering method used: Evaporated

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: Deanna Garrison Date: 10/17/2012



1095216

Operator Name: Valhalla Exploration LLC Lease Name: RINGWALD Well #: 1-33
 Sec. 33 Twp. 18 S. R. 10 East West County: Rice

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Dual Induction Micro Neutron Density	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">Name</td> <td style="width:15%;">Top</td> <td style="width:15%;">Datum</td> </tr> <tr> <td>Heebner</td> <td>2721</td> <td>-978</td> </tr> <tr> <td>Lansing</td> <td>2863</td> <td>-1120</td> </tr> <tr> <td>Base Kansas City</td> <td>3122</td> <td>-1379</td> </tr> <tr> <td>Quartzite</td> <td>3131</td> <td>-1388</td> </tr> </table>	Name	Top	Datum	Heebner	2721	-978	Lansing	2863	-1120	Base Kansas City	3122	-1379	Quartzite	3131	-1388
Name	Top	Datum														
Heebner	2721	-978														
Lansing	2863	-1120														
Base Kansas City	3122	-1379														
Quartzite	3131	-1388														

CASING RECORD <input checked="" 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
Surface	12.25	8.625	23	344	Common	180	2% gel 3% CaCl
Production	7.865	5.5	15.5	3211	Common	150	10% salt 5% gilsonite

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 (Amount and Kind of Material Used)	Depth
2	3171-3173, 3178-3182, 3150-3152, 3154-3156, 3259-3261, 3164-3168	Acid 1500gal 7% hcl, Fracture 3600bbl h20	

TUBING RECORD: Size: <u>2.865</u> Set At: <u>3185</u> Packer At: <u>N/A</u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>04/18/2012</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours	Oil Bbbs. <u>10</u> Gas Mcf <u>0</u> Water Bbbs. <u>300</u> Gas-Oil Ratio _____ Gravity <u>38</u>

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 checked="" 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 (Specify) _____	PRODUCTION INTERVAL: <u>3171</u> <u>3261</u>
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QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 2/10/2012
 Invoice # 230

P.O.#:
 Due Date: 3/11/2012
 Division: Russell

Invoice

Contact:
 VALHALLA EXPLORATION
Address/Job Location:
 VALHALLA EXPLORATION
 133 N GLENDALE STREET
 WICHITA, KS 67208

Reference:
 RINGWALD 1-33

Description of Work:
 PROD LONG STRING

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 1,530.82	No	Bulk Truck Mileage-Job to Nearest Bulk Plant	28	\$182.76	No
Common-Class A	175	\$ 2,386.18	Yes	KCL	2	\$66.75	Yes
Gilsonite	875	\$ 1,466.91	Yes				
5 1/2" Turbolizer	9	\$ 583.41	Yes				
Mud Clear	500	\$ 413.53	Yes				
Bulk Truck Mat-Material Service Charge	198	\$ 442.59	No				
Auto Fill Float Shoe, 5 1/2"	1	\$ 342.00	Yes				
Pump Truck Mileage-Job to Nearest Camp	28	\$ 312.32	No				
5 1/2" Basket	1	\$ 257.06	Yes				
Leach Down Plug & Baffle, 5 1/2"	1	\$ 250.35	Yes				
Salt (Fine)	15	\$ 234.04	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 8,468.70
 Discount Available ONLY if Invoice is Paid & Received
 within listed terms of invoice: \$ (1,270.31)

SubTotal for Taxable Items:	\$ 5,100.19
SubTotal for Non-Taxable Items:	\$ 2,098.21
Total:	\$ 7,198.40
Tax:	\$ 372.31

7.30% Rice County Sales Tax

Thank You For Your Business!

Amount Due: \$ 7,570.71
Applied Payments:
Balance Due: \$ 7,570.71

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 230

Date	2/19/12	Sec.	33	Twp.	18	Range	10	County	Rice	State	KS	On Location		Finish	11:45 AM						
Lease	Ringwald		Well No.	1-33		Location															
Contractor										H2 Drilling Rig #3						Owner	To Quality Oilwell Cementing, Inc.				
Type Job																You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.					
Hole Size		7 7/8"		T.D.		3213'		Charge To								VALHALLA EXPLORATION					
Csg.		5/2" 15.50		Depth		3212'		Street													
Tbg. Size				Depth				City								State					
Tool				Depth				The above was done to satisfaction and supervision of owner agent or contractor.													
Cement Left in Csg.		21'		Shoe Joint		21'		Cement Amount Ordered								175 ex Com 10% Salt					
Meas Line				Displace		76 Bbls.		5% Gilsonite													

EQUIPMENT

Pumptrk	9	No.	Cement Helper	Paul	Common	175
Bulktrk	14	No.	Driver	Matt	Poz. Mix.	
Bulktrk	PV	No.	Driver	Brain	Gel.	

JOB SERVICES & REMARKS

Remarks:	Calcium	KCL 2 gal
Rat Hole	Hulls	
Mouse Hole	Salt	15
Centralizers	Flowseal	
Baskets	Kol-Seal	875#
D/V or Port Collar	Mud CLR 48	500 gal / 20 Bbls. KCL
Est. Circ. - 1 hour	CFL-117 or CD110	CAF 38
Pump 500 gal Mud	Sand	
Plug - Red	Handling	148
Mix 175 500	Mileage	

FLOAT EQUIPMENT

Displace - First 20 Bbls = KCL	Guide Shoe	
Land Plug	Centralizer	9 - Turbos
Float Head	Baskets	1
	AFU Inserts	
	Float Shoe	
	Latch Down	w/ Plug

Thank you!

Pumptrk Charge	prack Long String
Mileage	28

X Signature *[Signature]*

Tax
Discount
Total Charge



QUALITY OILWELL CEMENTING, INC.

PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraltel.net

Date: 2/7/2012
 Invoice # 360

P.O.#:
 Due Date: 3/8/2012
 Division: Russell

Invoice

Contact:
 VALHALLA EXPLORATION
Address/Job Location:
 VALHALLA EXPLORATION
 133 N GLENDALE STREET
 WICHITA, KS 67208

Reference:
 RINGWALD 1-33

Description of Work:
 SURFACE JOB

Services / Items Included:

	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 991.39	No				
Common-Class A	180	\$ 2,384.23	Yes				
Bulk Truck Matl-Material Service Charge	190	\$ 412.57	No				
Calcium Chloride	7	\$ 286.22	Yes				
Pump Truck Mileage-Job to Nearest Camp	28	\$ 303.39	No				
Bulk Truck Mileage-Job to Nearest Bulk Plant	28	\$ 177.54	No				
Premium Gel (Bentonite)	3	\$ 53.03	Yes				

Invoice Terms:

Net 30

	SubTotal:	\$ 4,608.36
	Discount Available <i>ONLY if Invoice is Paid & Received within listed terms of invoice:</i>	\$ (691.25)
<hr/>		
	SubTotal for Taxable Items:	\$ 2,314.95
	SubTotal for Non-Taxable Items:	\$ 1,602.15
<hr/>		
	Total:	\$ 3,917.10
	Tax:	\$ 168.99
	Amount Due:	\$ 4,086.10
	Applied Payments:	
	Balance Due:	\$ 4,086.10

7.30% Rice County Sales Tax

Thank You For Your Business!

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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QUALITY OIL WELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 360

Date	2-3-12	Sec.	33	Twp.	18	Range	10	County	RICE	State	KANSAS	On Location		Finish	10:00PM
Lease	RINDWALD		Well No.		1-33		Location CLAF TO EAST ON Hwy 4 TO 4th ST TO F. RD TO 1/2 MILE SINTO								
Contractor	HJ DETLING #3				Owner VALHALLA EXPLORATION										
Type Job	SHORT SURFACE				To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.										
Hole Size	12 1/4		T.D.		350'										
Csg.	8 5/8		Depth		344.77										
Tbg. Size			Depth		Charge To VALHALLA EXPLORATION										
Tool			Depth		Street 133 N. GLENDALE										
Cement Left in Csg.			Shoe Joint		15'										
Meas Line			Displace		21 BLS										
Cement Amount Ordered												180 com 32. 22			

EQUIPMENT

Pumptrk	9	No.	Cement Helper	MATT	Common	180
Bulktrk	8	No.	Driver	MICHAEL	Poz. Mix	
Bulktrk	P/U	No.	Driver	CISCO	Gel.	3

JOB SERVICES & REMARKS

Remarks:	Calcium	7
Rat Hole	Hulls	
Mouse Hole	Salt	
Centralizers	Flowseal	
Baskets	Kol-Seal	
D/V or Port Collar	Mud CLR 48	
ESTABLISHED CIRCULATION - MIXED	CFL-117 or CD110 CAF 38	
180 SKS CEMENT DISPLACED	Sand	
CEMENT DID CIRCULATE	Handling	790
	Mileage	

FLOAT EQUIPMENT

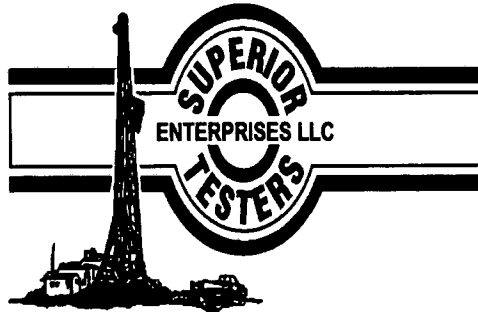
Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	Surface
Mileage	28

THANK YOU!

QUALITY OIL WELL CEMENTING, INC.

X Signature *[Handwritten Signature]*

Tax
Discount
Total Charge



DRILL STEM TEST REPORT

Prepared For: **Valhalla Exploration L.L.C**
133 N Glendale Wichita KS 67206

ATTN: Derek Patterson

Ringwald #1-33

33-18s-10w Rice

Start Date: 2012.02.06 @ 10:53:00

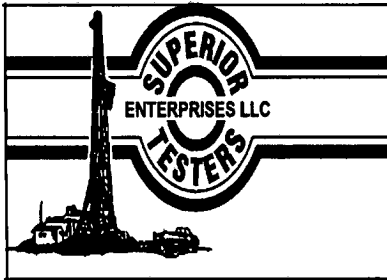
End Date: 2012.02.06 @ 15:01:00

Job Ticket #: 18738 DST #: 1

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

Printed: 2012.02.06 @ 15:15:20

Valhalla Exploration L.L.C 33-18s-10w Rice Ringwald #1-33 DST # 1 Topeka (Plattsmouth) 2012.02.06



DRILL STEM TEST REPORT

Valhalla Exploration L.L.C
 133 N Glendale Wichita KS 67206
 ATTN: Derek Patterson

33-18s-10w Rice
Ringwald #1-33
 Job Ticket: 18738 **DST#: 1**
 Test Start: 2012.02.06 @ 10:53:00

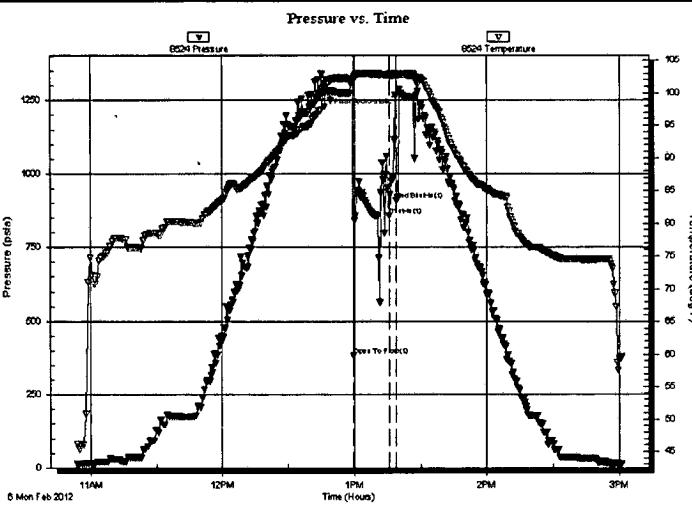
GENERAL INFORMATION:

Formation: **Topeka (Plattsmouth)**
 Deviated: No Whipstock: ft (KB)
 Test Type: Inflate Bottom Hole (Initial)
 Time Tool Opened: 12:59:30
 Tester: Jared Scheck
 Time Test Ended: 15:01:00
 Unit No: 3320-GB-70
 Interval: **2664.00 ft (KB) To 2690.00 ft (KB) (TVD)**
 Reference Elevations: 1743.00 ft (KB)
 Total Depth: 2690.00 ft (KB) (TVD)
 1735.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: KB to GR/CF: 8.00 ft

Serial #: 8524

Press@RunDepth: 856.23 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.02.06 End Date: 2012.02.06 Last Calib.: 2012.02.06
 Start Time: 10:53:00 End Time: 15:01:00 Time On Btm: 2012.02.06 @ 12:58:30
 Time Off Btm: 2012.02.06 @ 13:20:00

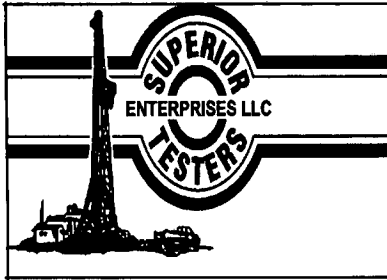
TEST COMMENT: 1st Opening 20 Minutes-chased tool 11 feet to bottom no blow flushed tool good surge pulled tool
 1st Shut-in -Pulled tool



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1307.45	102.24	Initial Hydro-static
1	383.13	101.85	Open To Flow (1)
18	856.23	102.68	Shut-in(1)
21	910.62	102.74	End Shut-in(1)
22	1285.72	102.80	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
65.00	Mud	0.32

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Valhalla Exploration L.L.C
 133 N Glendale Wichita KS 67206
 ATTN: Derek Patterson

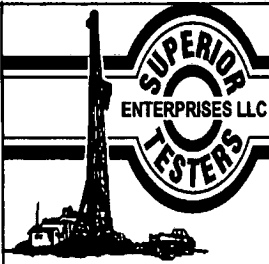
33-18s-10w Rice
Ringwald #1-33
 Job Ticket: 18738 **DST#: 1**
 Test Start: 2012.02.06 @ 10:53:00

Tool Information

Drill Pipe:	Length: 2364.00 ft	Diameter: 3.80 inches	Volume: 33.16 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: 300.00 ft	Diameter: 2.25 inches	Volume: 1.48 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 34.64 bbl</u>	Tool Chased 11.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	2664.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	54.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	2641.00	
Hydrolic Tool	5.00			2646.00	
Jars	6.00			2652.00	
Safety Joint	2.00			2654.00	
Packer	5.00			2659.00	28.00 Bottom Of Top Packer
Packer	5.00			2664.00	
Anchor	21.00			2685.00	
Recorder	1.00	8524	Inside	2686.00	
Recorder	1.00	8525	Outside	2687.00	
Bullnose	3.00			2690.00	26.00 Bottom Packers & Anchor
Total Tool Length:	54.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

Valhalla Exploration L.L.C

33-18s-10w Rice

133 N Glendale Wichita KS 67206

Ringwald #1-33

Job Ticket: 18738

DST#: 1

ATTN: Derek Patterson

Test Start: 2012.02.06 @ 10:53:00

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: 51.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.00 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 5800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	Mud	0.320

Total Length: 65.00 ft Total Volume: 0.320 bbl

Num Fluid Samples: 0

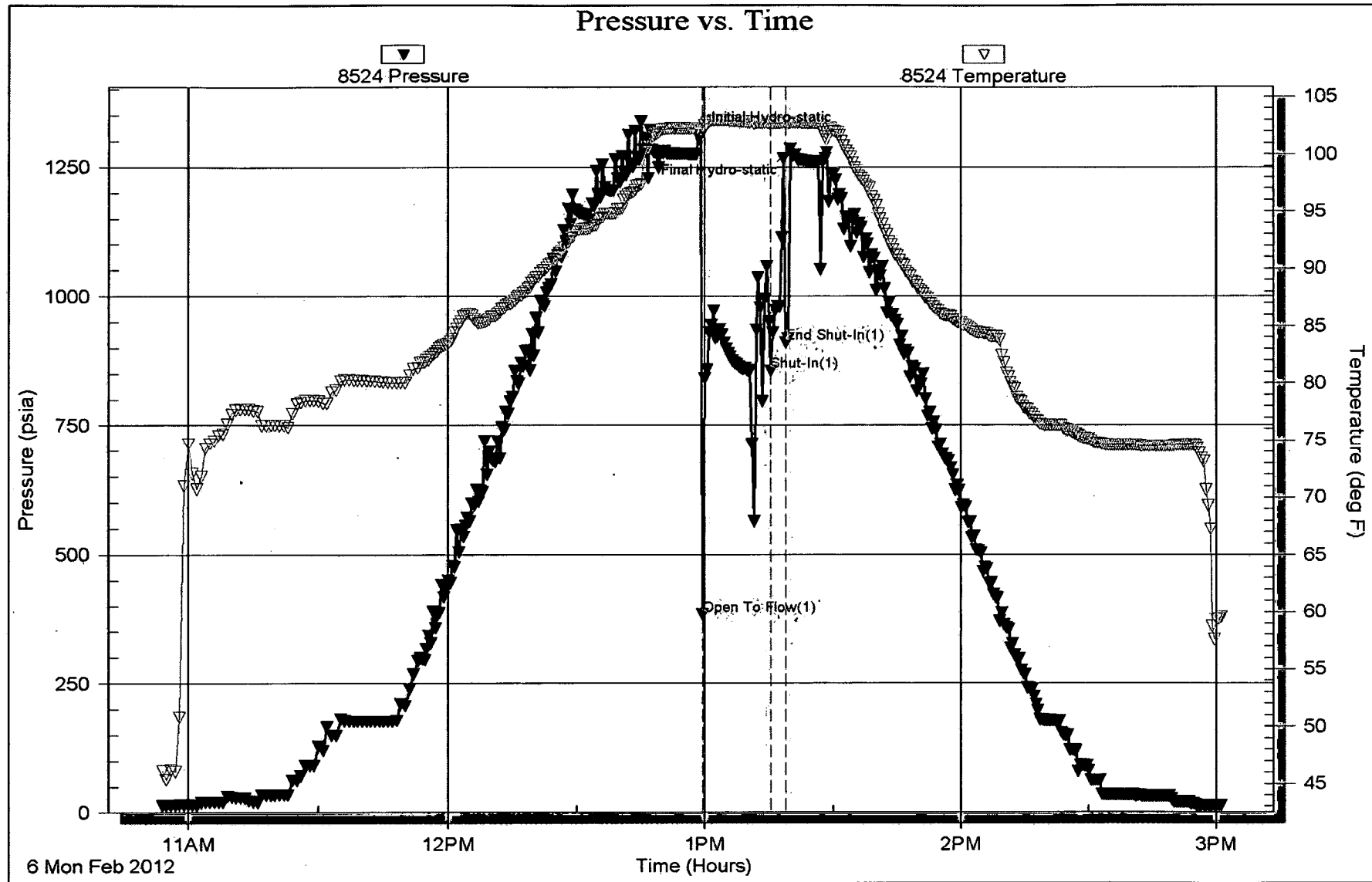
Num Gas Bombs: 0

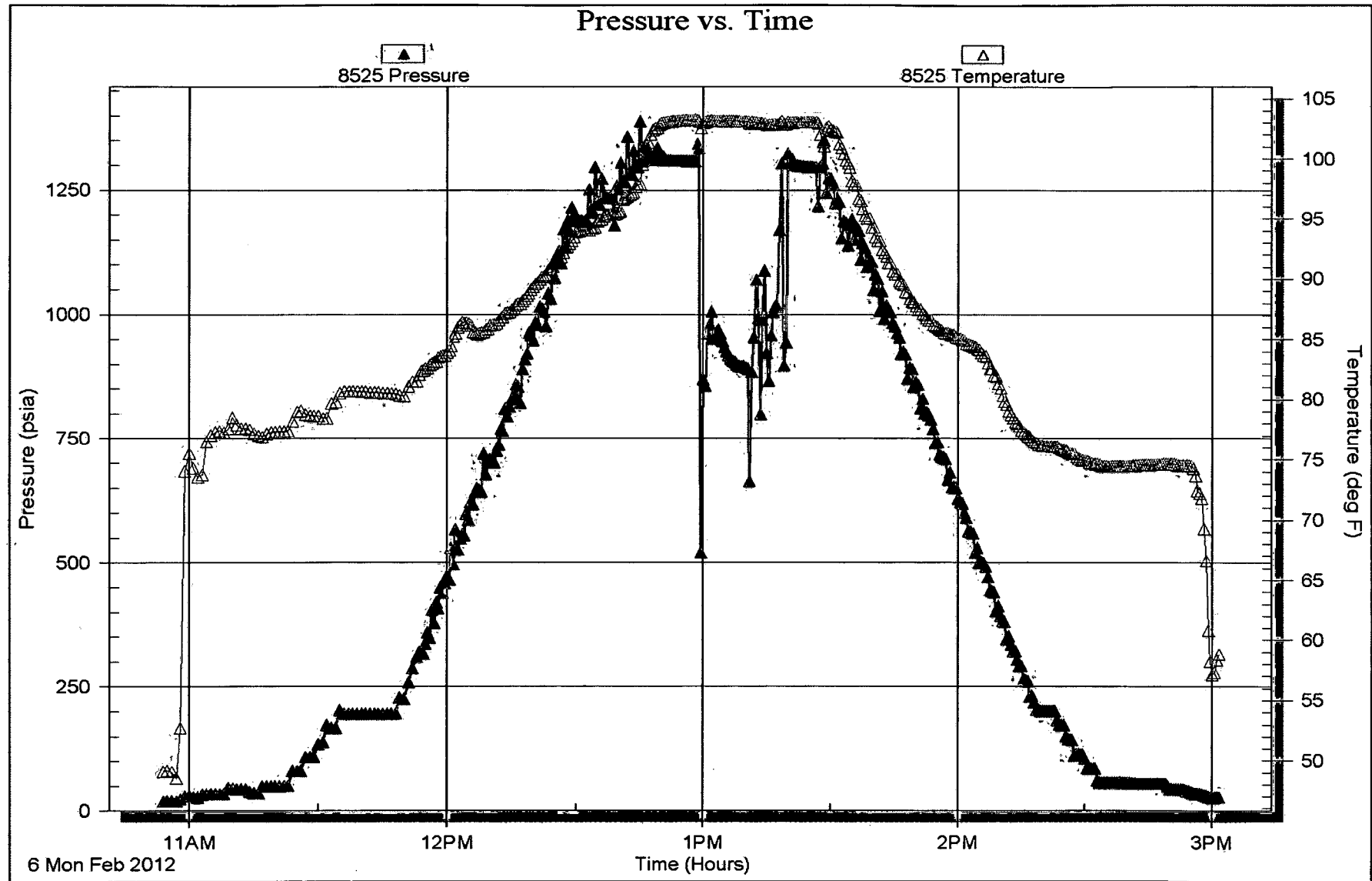
Serial #:

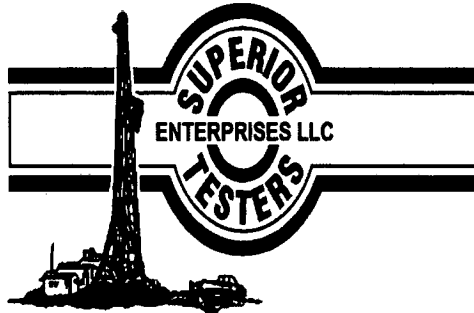
Laboratory Name:

Laboratory Location:

Recovery Comments: Miss run







DRILL STEM TEST REPORT

Prepared For: **Valhalla Exploration L.L.C**
133 N Glendale Wichita KS 67206

ATTN: Derek Patterson

Ringwald #1-33

33-18s-10w Rice

Start Date: 2012.02.06 @ 19:30:00

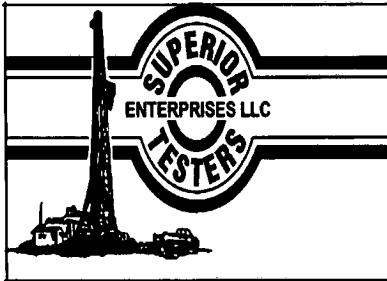
End Date: 2012.02.07 @ 01:32:00

Job Ticket #: 18739 DST #: 2

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

Printed: 2012.02.07 @ 02:03:48

Valhalla Exploration L.L.C 33-18s-10w Rice Ringwald #1-33 DST # 2 Topeka (Plattsmouth) 2012.02.06



DRILL STEM TEST REPORT

Valhalla Exploration L.L.C
 133 N Glendale Wichita KS 67206
 ATTN: Derek Patterson

33-18s-10w Rice
Ringwald #1-33
 Job Ticket: 18739 **DST#: 2**
 Test Start: 2012.02.06 @ 19:30:00

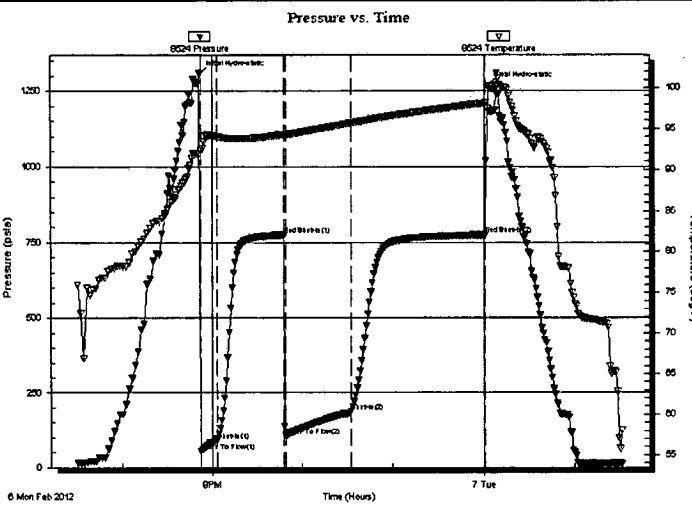
GENERAL INFORMATION:

Formation: **Topeka (Plattsmouth)**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 20:52:30 Tester: Jared Scheck
 Time Test Ended: 01:32:00 Unit No: 3320-GB-70
 Interval: **2665.00 ft (KB) To 2690.00 ft (KB) (TVD)** Reference Elevations: 1743.00 ft (KB)
 Total Depth: 2690.00 ft (KB) (TVD) 1735.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8524

Press@RunDepth: 186.06 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.02.06 End Date: 2012.02.07 Last Calib.: 2012.02.07
 Start Time: 19:30:00 End Time: 01:32:00 Time On Btm: 2012.02.06 @ 20:51:30
 Time Off Btm: 2012.02.07 @ 00:02:30

TEST COMMENT: 1st Opening 10 Minutes-Fair blow built 9 inches into bucket water in 10 minutes
 1st Shut-in 45 Minutes-Very weak surface
 2nd Opening 45 Minutes-Weak building blow built bottom of bucket in 23 minutes
 2nd Shut-in 90 Minutes-1/4inch blow back



PRESSURE SUMMARY

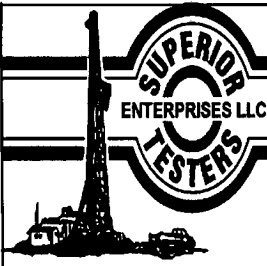
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1307.42	91.94	Initial Hydro-static
1	54.36	92.30	Open To Flow (1)
12	89.19	94.03	Shut-in(1)
57	775.28	94.29	End Shut-in(1)
58	107.63	94.28	Open To Flow (2)
101	186.06	95.67	Shut-in(2)
190	774.13	98.11	End Shut-in(2)
191	1268.01	97.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Gassey Oil cut Mud	0.30
0.00	10% Gas 30% Oil 60% Mud	0.00
60.00	Gassey Oil cut Muddy Water	0.30
0.00	10% Gas 20% Oil 30% Mud 40% Water	0.00
180.00	Water 5 %Mud 95%Water	0.89
0.00	120 Feet Gas in pipe	0.00

Gas Rates

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



DRILL STEM TEST REPORT

Valhalla Exploration L.L.C
 133 N Glendale Wichita KS 67206
 ATTN: Derek Patterson

33-18s-10w Rice
Ringwald #1-33
 Job Ticket: 18739 **DST#: 2**
 Test Start: 2012.02.06 @ 19:30:00

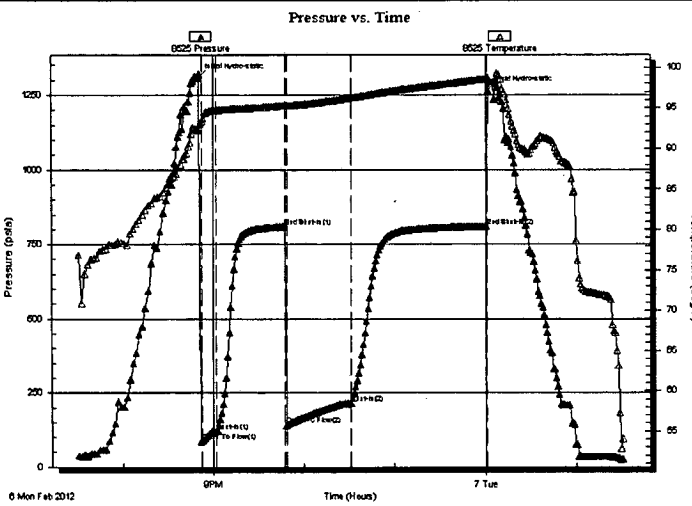
GENERAL INFORMATION:

Formation: **Topeka (Plattsmouth)**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 20:52:30 Tester: Jared Scheck
 Time Test Ended: 01:32:00 Unit No: 3320-GB-70
 Interval: **2665.00 ft (KB) To 2690.00 ft (KB) (TVD)** Reference Elevations: 1743.00 ft (KB)
 Total Depth: 2690.00 ft (KB) (TVD) 1735.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8525

Press@RunDepth: 809.96 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.02.06 End Date: 2012.02.07 Last Calib.: 2012.02.07
 Start Time: 19:30:00 End Time: 01:31:00 Time On Btm: 2012.02.06 @ 20:50:00
 Time Off Btm: 2012.02.07 @ 00:01:30

TEST COMMENT: 1st Opening 10 Minutes-Fair blow built 9 inches into bucket w water in 10 minutes
 1st Shut-in 45 Minutes-Very weak surface
 2nd Opening 45 Minutes-Weak building blow built bottom of bucket in 23 minutes
 2nd Shut-in 90 Minutes-1/4inch blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1309.64	92.25	Initial Hydro-static
2	86.65	93.29	Open To Flow (1)
12	121.40	94.75	Shut-In(1)
58	808.87	95.33	End Shut-In(1)
59	141.71	95.26	Open To Flow (2)
102	215.56	96.26	Shut-In(2)
191	809.96	98.60	End Shut-In(2)
192	1265.45	98.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	Gassey Oil cut Mud	0.30
0.00	10% Gas 30% Oil 60% Mud	0.00
60.00	Gassey Oil cut Muddy Water	0.30
0.00	10% Gas 20% Oil 30% Mud 40% Water	0.00
180.00	Water 5 %Mud 95%Water	0.89
0.00	120 Feet Gas in pipe	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Valhalla Exploration L.L.C
 133 N Glendale Wichita KS 67206
 ATTN: Derek Patterson

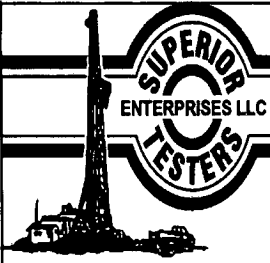
33-18s-10w Rice
Ringwald #1-33
 Job Ticket: 18739 **DST#: 2**
 Test Start: 2012.02.06 @ 19:30:00

Tool Information

Drill Pipe:	Length: 2365.00 ft	Diameter: 3.80 inches	Volume: 33.17 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: 300.00 ft	Diameter: 2.25 inches	Volume: 1.48 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 34.65 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	2665.00 ft			Final 43000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	25.00 ft			
Tool Length:	53.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	2642.00	
Hydrolic Tool	5.00			2647.00	
Jars	6.00			2653.00	
Safety Joint	2.00			2655.00	
Packer	5.00			2660.00	28.00 Bottom Of Top Packer
Packer	5.00			2665.00	
Anchor	20.00			2685.00	
Recorder	1.00	8524	Inside	2686.00	
Recorder	1.00	8525	Outside	2687.00	
Bullnose	3.00			2690.00	25.00 Bottom Packers & Anchor
Total Tool Length:	53.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

Valhalla Exploration L.L.C
 133 N Glendale Wichita KS 67206
 ATTN: Derek Patterson

33-18s-10w Rice
Ringwald #1-33
 Job Ticket: 18739 **DST#: 2**
 Test Start: 2012.02.06 @ 19:30:00

Mud and Cushion Information

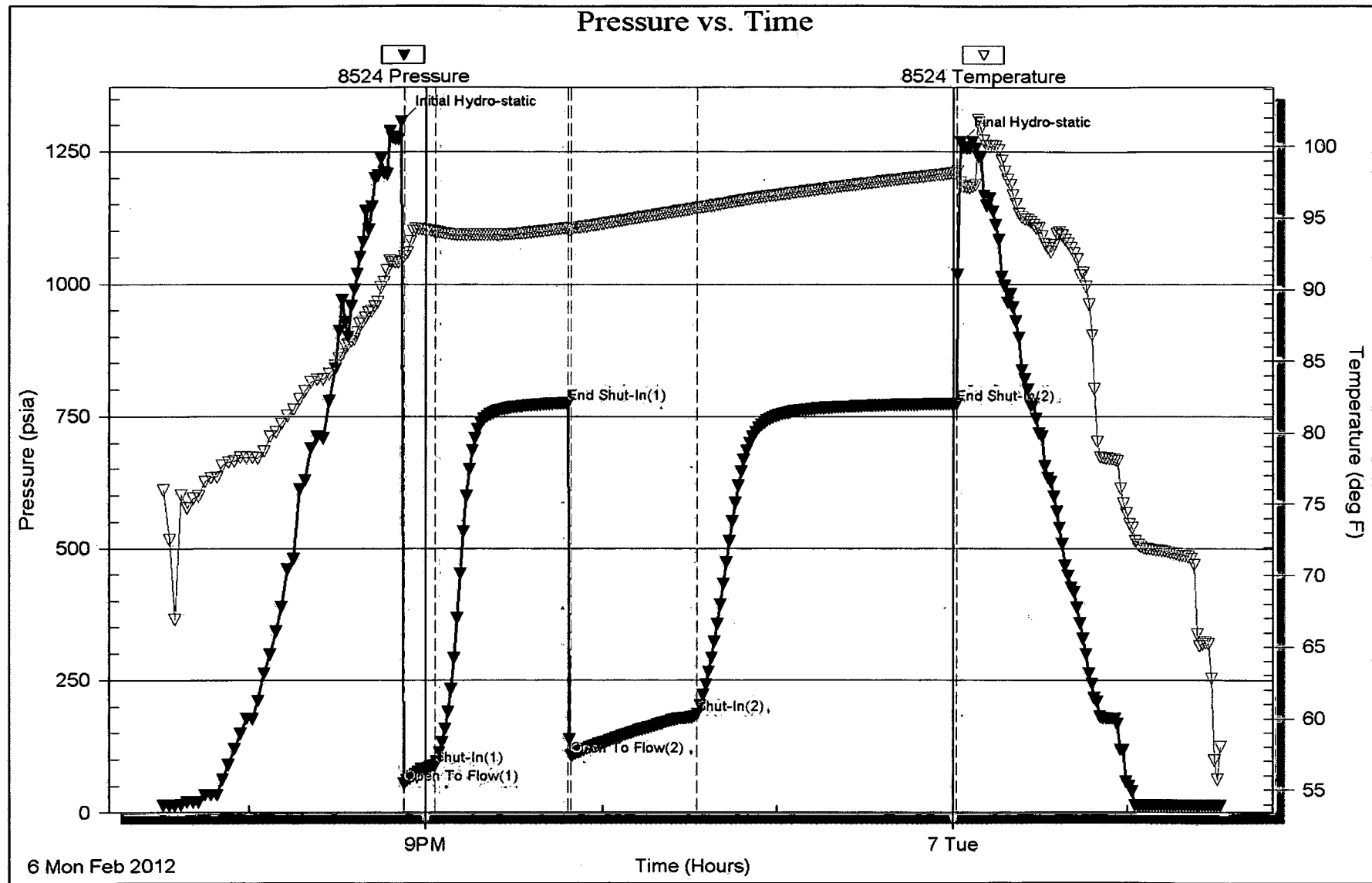
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 51.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.00 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 5800.00 ppm			
Filter Cake: 1.00 inches			

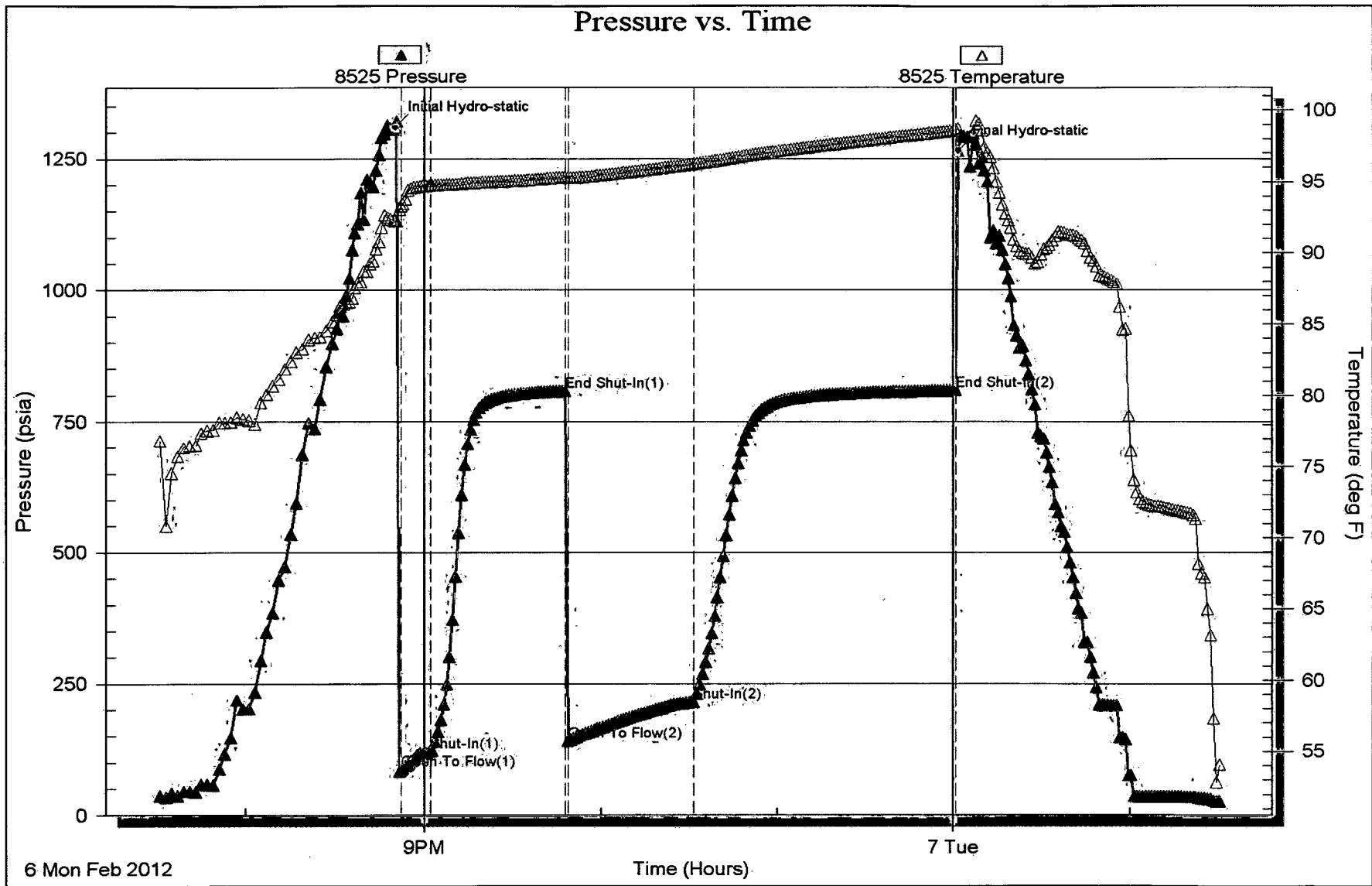
Recovery Information

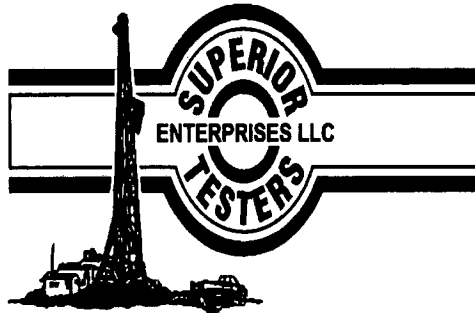
Recovery Table

Length ft	Description	Volume bbl
60.00	Gassey Oil cut Mud	0.295
0.00	10% Gas 30% Oil 60% Mud	0.000
60.00	Gassey Oil cut Muddy Water	0.295
0.00	10% Gas 20% Oil 30% Mud 40% Water	0.000
180.00	Water 5 %Mud 95%Water	0.885
0.00	120 Feet Gas in pipe	0.000
0.00	Chlorides 50,000 Resisivity .25 @56 deg	0.000

Total Length: 300.00 ft Total Volume: 1.475 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Valhalla Exploration L.L.C**
133 N Glendale Wichita KS 67206

ATTN: Derek Patterson

Ringwald #1-33

33-18s-10w Rice

Start Date: 2012.02.07 @ 19:40:00

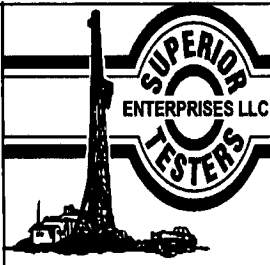
End Date: 2012.02.08 @ 01:53:30

Job Ticket #: 18740 DST #: 3

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

Printed: 2012.02.08 @ 01:06:24

Valhalla Exploration L.L.C 33-18s-10w Rice Ringwald #1-33 DST # 3 Lansing "H" 2012.02.07



DRILL STEM TEST REPORT

Valhalla Exploration L.L.C
 133 N Glendale Wichita KS 67206
 ATTN: Derek Patterson

33-18s-10w Rice
Ringwald #1-33
 Job Ticket: 18740 **DST#: 3**
 Test Start: 2012.02.07 @ 19:40:00

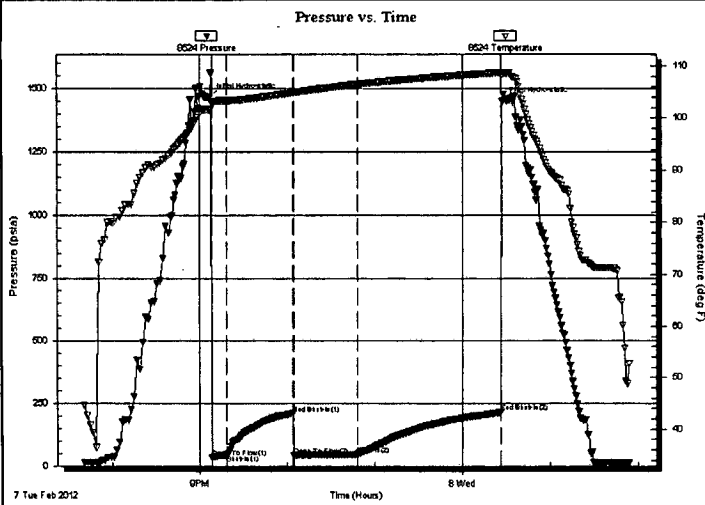
GENERAL INFORMATION:

Formation: **Lansing "H"**
 Deviated: **No Whipstock:** ft (KB)
 Test Type: **Conventional Bottom Hole (Initial)**
 Time Tool Opened: **21:08:30**
 Tester: **Jared Scheck**
 Time Test Ended: **01:53:30**
 Unit No: **3320-GB-70**
Interval: 2987.00 ft (KB) To 3020.00 ft (KB) (TVD)
 Reference Elevations: **1743.00 ft (KB)**
Total Depth: 3020.00 ft (KB) (TVD)
1735.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: **Fair**
KB to GR/CF: 8.00 ft

Serial #: 8524

Press@RunDepth: **46.75 psia @** ft (KB) Capacity: **5000.00 psia**
 Start Date: **2012.02.07** End Date: **2012.02.08** Last Calib.: **2012.02.08**
 Start Time: **19:40:00** End Time: **01:53:30** Time On Btm: **2012.02.07 @ 21:07:00**
 Time Off Btm: **2012.02.08 @ 00:27:30**

TEST COMMENT: 1st Opening 10 Minutes-Weak blow buolt 6 inches into bucket w ater in 10 minutes
 1st shut-in 45 Minutes-No blow back
 2nd Opening 45 Minutes-Weak blow built 4 inches into w ater in 45 minutes
 2nd Shut-in 90 Minutes-No blow back



PRESSURE SUMMARY

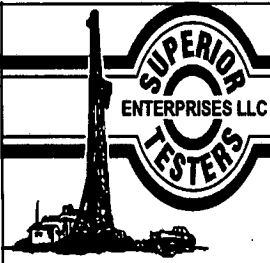
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1465.94	101.66	Initial Hydro-static
2	34.72	102.92	Open To Flow (1)
12	43.81	103.35	Shut-In(1)
57	209.16	104.89	End Shut-In(1)
58	42.03	104.94	Open To Flow (2)
101	46.75	106.49	Shut-In(2)
200	213.82	108.73	End Shut-In(2)
201	1449.83	108.38	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud	0.07

Gas Rates

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



DRILL STEM TEST REPORT

Valhalla Exploration L.L.C
 133 N Glendale Wichita KS 67206
 ATTN: Derek Patterson

33-18s-10w Rice
Ringwald #1-33
 Job Ticket: 18740 **DST#: 3**
 Test Start: 2012.02.07 @ 19:40:00

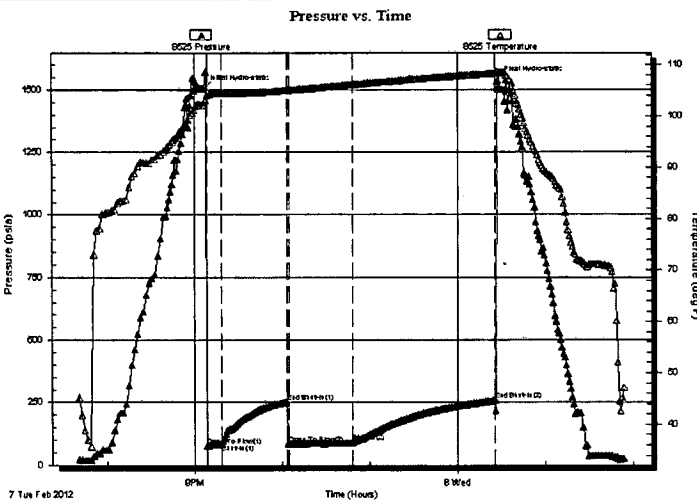
GENERAL INFORMATION:

Formation: **Lansing "H"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:08:30
 Time Test Ended: 01:53:30
 Interval: **2987.00 ft (KB) To 3020.00 ft (KB) (TVD)**
 Total Depth: 3020.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jared Scheck
 Unit No: 3320-GB-70
 Reference Elevations: 1743.00 ft (KB)
 1735.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8525

Press@RunDepth: 258.94 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.02.07 End Date: 2012.02.08 Last Calib.: 2012.02.08
 Start Time: 19:40:00 End Time: 01:53:30 Time On Btm: 2012.02.07 @ 21:06:30
 Time Off Btm: 2012.02.08 @ 00:27:30

TEST COMMENT: 1st Opening 10 Minutes-Weak blow buolt 6 inches into bucket w ater in 10 minutes
 1st shut-in 45 Minutes-No blow back
 2nd Opening 45 Minutes-Weak blow built 4 inches into w ater in 45 minutes
 2nd Shut-in 90 Minutes-No blow back



PRESSURE SUMMARY

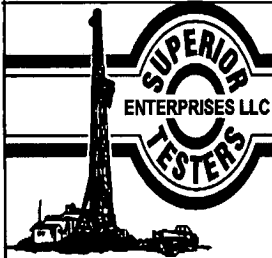
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1504.36	102.16	Initial Hydro-static
2	76.03	104.03	Open To Flow (1)
12	85.43	104.40	Shut-In(1)
57	251.68	105.02	End Shut-In(1)
58	85.88	105.04	Open To Flow (2)
102	91.67	106.14	Shut-In(2)
200	258.94	108.34	End Shut-In(2)
201	1536.91	108.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	mud	0.07

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Valhalla Exploration L.L.C
 133 N Glendale Wichita KS 67206
 ATTN: Derek Patterson

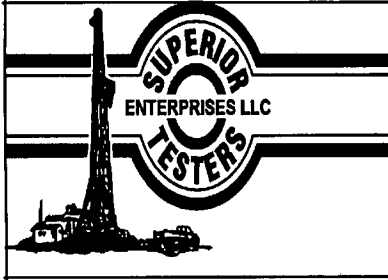
33-18s-10w Rice
Ringwald #1-33
 Job Ticket: 18740 **DST#: 3**
 Test Start: 2012.02.07 @ 19:40:00

Tool Information

Drill Pipe:	Length: 2674.00 ft	Diameter: 3.80 inches	Volume: 37.51 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: 300.00 ft	Diameter: 2.25 inches	Volume: 1.48 bbl	Weight to Pull Loose: 50000.00 lb
			<u>Total Volume: 38.99 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	2987.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	28.00 ft			
Tool Length:	56.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
SHut-InTool	5.00		Inside	2964.00	
Hydrolic Tool	5.00			2969.00	
Jars	6.00			2975.00	
Safety Joint	2.00			2977.00	
Packer	5.00			2982.00	28.00 Bottom Of Top Packer
Packer	5.00			2987.00	
Anchor	23.00			3010.00	
Recorder	1.00	8524	Inside	3011.00	
Recorder	1.00	8525	Outside	3012.00	
Bullnose	3.00			3015.00	28.00 Bottom Packers & Anchor
Total Tool Length:	56.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

Valhalla Exploration L.L.C
 133 N Glendale Wichita KS 67206
 ATTN: Derek Patterson

33-18s-10w Rice
Ringwald #1-33
 Job Ticket: 18740 **DST#: 3**
 Test Start: 2012.02.07 @ 19:40:00

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: 63.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.80 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 8800.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	mud	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

