



KANSAS CORPORATION COMMISSION 1108683
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 # 33350
Name: Southwind Drilling, Inc.
Wellsite Geologist: Adam T. Kennedy
Purchaser: MVP

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 #: _____

<u>10/09/2012</u>	<u>10/16/2012</u>	<u>10/24/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-009-25759-00-00

Spot Description: _____

SE NE NW SW Sec. 33 Twp. 17 S. R. 13 East West

2150 Feet from North / South Line of Section

1050 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Barton

Lease Name: Morgenstern Well #: 1-33

Field Name: _____

Producing Formation: Arbuckle

Elevation: Ground: 1872 Kelly Bushing: 1877

Total Depth: 3454 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 810 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: 6700 ppm Fluid volume: 600 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 Gertson Date: 01/23/2013

1108683

Operator Name: Valhalla Exploration LLC Lease Name: Morgenstern Well #: 1-33
 Sec. 33 Twp. 17 S. R. 13 East West County: Barton

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 (Attach Additional Sheets)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Topeka	2768	-891
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Heebner	3063	-1186
Electric Log Submitted Electronically (If no, Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Brown Lime	3140	-1263
List All E. Logs Run:		Lansing	3160	-1283
Attached		Stark	3318	-1441
		Arbuckle	3342	-1465
		RTD	3454	-1577

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	810	Common	375	3% cc 2% gel
Production	7.875	5.5	15.5	3451	savenger, poz	150	2% gel, 5% catset, 5% koc, 5% flt322

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing	3344-3345	common	50	
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone	3360-3360	common	50	

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
4	3344-3345	Shot-Squeeze	3344-3345
2	3360	Shot-Squeeze	3360
4	3344-3345	Shot	3345

TUBING RECORD:	Size: <u>2.875</u>	Set At: <u>3408</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>11/3/2012</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 Bbls. <u>5</u>	Gas Mcf	Water Bbls. <u>25</u>	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3344</u> <u>3345</u>
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Form	ACO1 - Well Completion
Operator	Valhalla Exploration LLC
Well Name	Morgenstern 1-33
Doc ID	1108683

All Electric Logs Run

DIL
MICRO
CDNL
SONIC

RECEIVED OCT 18 2012



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: 10/13/2012
Invoice # 5385
P.O.#:
Due Date: 11/12/2012
Division: Russell

Invoice

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

Reference:
MORGENSTERN 1-33

Description of Work:
LONG SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 991.39	No				
Common-Class A	375	\$ 5,105.57	Yes				
Bulk Truck Mat-Material Service Charge	386	\$ 838.17	No				
Calcium Chloride	14	\$ 724.43	Yes				
Pump Truck Mileage-Job to Nearest Camp	13	\$ 140.86	No				
Premium Gel (Bantonite)	7	\$ 123.73	Yes				
8 5/8" Top Rubber Plug	1	\$ 115.09	Yes				
Baffle Plate Aluminum, 8 5/8"	1	\$ 97.71	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	13	\$ 82.43	No				

Invoice Terms:

Net 30

SubTotal: \$ 8,219.38
Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (1,232.91)

SubTotal for Taxable Items:	\$ 5,241.55
SubTotal for Non-Taxable Items:	\$ 1,744.92
Total:	\$ 6,986.47
Tax:	\$ 382.63

7.30% Barton County Sales Tax

Thank You For Your Business!

Amount Due: \$ 7,369.10
Applied Payments:
Balance Due: \$ 7,369.10

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.

Federal Tax I.D.# 20-2886107

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

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

No. 5385

Date 10-10-12 Sec. 33 Twp. 17 Range 13 County Barton State KS On Location _____ Finish 4:30 PM

Lease Morgenstern Well No. 1-33 Location Hoisington, KS - 1/2 N on Susank

Contractor Southwind #6 Owner Rd, E/Into

Type Job 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. 810'

Csg. 8 5/8" Depth 811' Charge To Uathalla Exploration

Tbg. Size _____ Depth _____ Street _____

Tool _____ Depth _____ City _____ State _____

Cement Left in Csg. 40' Shoe Joint 40' The above was done to satisfaction and supervision of owner agent or contractor.

Meas Line _____ Displace 49 BLS Cement Amount Ordered 375 sx Common 3% cc 2% cc

EQUIPMENT

Pumptrk <u>15</u> No. _____	Cementer <u>Nick</u>	Common <u>375</u>
Bulktrk <u>13</u> No. _____	Helper _____	Poz. Mix _____
Beitrk <u>P.U.</u> No. _____	Driver <u>Doug</u>	Gel. <u>7</u>
	Driver <u>Rick</u>	Calcium <u>14</u>

JOB SERVICES & REMARKS

Remarks: Cement did Circulate.

Rat Hole _____ Hulls _____

Mouse Hole _____ Salt _____

Centralizers _____ Flowseal _____

Baskets _____ Kol-Seal _____

D/V or Port Collar _____ Mud CLR 48 _____

_____ CFL-117 or CD110 CAF 38 _____

_____ Sand _____

_____ Handling 386 _____

_____ Mileage _____

FLOAT EQUIPMENT

Guide Shoe _____

Centralizer _____

Baskets _____

AFU Inserts _____

Float Shoe _____

Latch Down _____

1 - Baffle plate

1 - Rubber plug

Pumptrk Charge Long Surface

Mileage 13

Signature [Signature] Tax _____

Discount _____

Total Charge _____



PAGE 1 of 1	CUST NO 1007761	INVOICE DATE 10/17/2012
INVOICE NUMBER 1718 - 91027810		

Pratt (620) 672-1201
 B VALHALLA EXPLORATION LLC
 I 133 NORTH GLENDALE
 L WICHITA
 L KS US 67208
 T
 O ATTN: KENNEDY

J LEASE NAME Morgenstern 1-33
 O LOCATION
 B COUNTY Barton
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
 E
RECEIVED OCT 23 2012

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE	
40524151	20920		Net - 30 days	11/16/2012	
		QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 10/16/2012 to 10/16/2012</i>					
0040524151					
171806595A Cement-New Well Casing/Pi 10/16/2012					
Cement 5 1/2" Longstring					
50/50 POZ		150.00	EA	8.25	1,237.50 T
60/40 POZ		80.00	EA	9.00	720.00 T
Celloflake		38.00	EA	2.78	105.45 T
Gypsum		630.00	EA	0.56	354.38 T
FLA-322		63.00	EA	5.63	354.38 T
Gilsonite		750.00	EA	0.50	375.88 T
Mud Flush		500.00	EA	0.65	322.50 T
KCL Potassium Chloride		346.00	EA	1.13	389.25
Claymax KCL Substitute		4.00	EA	26.25	105.00 T
"Latch Down Plug & Baffle, 5 1/2" (Blue)		1.00	EA	300.00	300.00
"Auto Fill Float Shoe 5 1/2" (Blue)"		1.00	EA	270.00	270.00
"Turbolizer, 5 1/2" (Blue)"		8.00	EA	82.50	660.00
"5 1/2" Basket (Blue)"		1.00	EA	217.50	217.50
"Unit Mileage Chg (PU, cars one way)"		60.00	MI	3.19	191.25
Heavy Equipment Mileage		120.00	MI	5.25	630.00
"Proppant & Bulk Del. Chgs., per ton mil		585.00	EA	1.20	702.00
Depth Charge; 3001-4000'		1.00	EA	1,619.99	1,619.99
Blending & Mixing Service Charge		230.00	BAG	1.05	241.50
Plug Container Util. Chg.		1.00	EA	187.50	187.50
"Service Supervisor, first 8 hrs on loc.		1.00	EA	131.25	131.25

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	9,116.33
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	261.05
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	9,377.38
DALLAS, TX 75284-1903	MIDLAND, TX 79702		

RECEIVED NOV 19 2012

PAGE 1 of 1	CUST NO 1007761	INVOICE DATE 11/15/2012
INVOICE NUMBER 1718 - 91051455		



Pratt (620) 672-1201
 B VALHALLA EXPLORATION LLC
 I 133 NORTH GLENDALE
 L WICHITA
 L KS US 67208
 T
 O ATTN: KENNEDY

J LEASE NAME Morgenstern 1-33
 O LOCATION
 B COUNTY Barton
 S STATE KS
 I JOB DESCRIPTION Cement-New Well Casing/Pi
 T JOB CONTACT
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.	TERMS	DUE DATE	
40534669	20920		Net - 30 days	12/15/2012	
For Service Dates: 11/12/2012 to 11/12/2012					
0040534669					
171807033A Cement-New Well Casing/Pi 11/12/2012 Cement Squeeze					
Common Cement		50.00	EA	12.00	600.00 T
C-53L		5.00	EA	90.00	450.00 T
"Unit Mileage Chg (PU, cars one way)"		60.00	MI	3.19	191.25
Heavy Equipment Mileage		120.00	MI	5.25	630.00
*Proppant & Bulk Del. Chgs., per ton mil		141.00	EA	1.20	169.20
Depth Charge; 3001-4000'		1.00	EA	1,620.00	1,620.00
Blending & Mixing Service Charge		50.00	BAG	1.05	52.50
*Service Supervisor, first 8 hrs on loc.		1.00	EA	131.25	131.25

PLEASE REMIT TO:	SEND OTHER CORRESPONDENCE TO:	SUB TOTAL	3,844.20
BASIC ENERGY SERVICES, LP	BASIC ENERGY SERVICES, LP	TAX	76.65
PO BOX 841903	PO BOX 10460	INVOICE TOTAL	3,920.85
DALLAS, TX 75284-1903	MIDLAND, TX 79702		



BASIC
ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET
1718 07033 A

DATE _____ TICKET NO. _____

DATE OF JOB <i>11-12-12</i>	DISTRICT <i>KANSAS</i>	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:
CUSTOMER <i>JALHALLA Exploration LLC</i>	LEASE	Morgenshtern #1-35					WELL NO.
ADDRESS	COUNTY <i>Barlow</i>	<i>35-17-13</i>					STATE <i>Ks.</i>
CITY	STATE	SERVICE CREW <i>Allen Joe, Steve</i>					
AUTHORIZED BY	JOB TYPE: <i>WEEZE</i>						
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE AM PM TIME
<i>25443-64</i>	<i>3 1/2</i>						<i>11-11-12 8:30 AM</i>
<i>33768-26720</i>	<i>3 1/2</i>						<i>11-12-12 9:30 AM</i>
<i>19959-21010</i>	<i>3 1/2</i>						<i>11-12-12 1:00 AM</i>
						RELEASED	<i>11-12-12 1:30 AM</i>
						MILES FROM STATION TO WELL	<i>60-miles</i>

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
<i>CF100C</i>	<i>Common Cement</i>	<i>SK</i>	<i>50</i>		<i>\$ 800.00</i>
<i>66132</i>	<i>C-53L</i>	<i>gal</i>	<i>5</i>		<i>\$ 600.00</i>
<i>E100</i>	<i>Unit mileage charge P.H.</i>	<i>mi.</i>	<i>60</i>		<i>\$ 255.00</i>
<i>E101</i>	<i>Heavy Equip. Mileage</i>	<i>mi.</i>	<i>120</i>		<i>\$ 840.00</i>
<i>E113</i>	<i>Bulk Oil, Ety.</i>	<i>TM</i>	<i>141</i>		<i>\$ 225.60</i>
<i>CF204</i>	<i>Depth Charge 3001-4000'</i>	<i>4-hr</i>	<i>1</i>		<i>\$ 2160.00</i>
<i>CE240</i>	<i>Bleeding & mixing service chg.</i>	<i>SK</i>	<i>50</i>		<i>\$ 70.00</i>
<i>5003</i>	<i>Service Supervisor first 8 hrs.</i>	<i>EA</i>	<i>1</i>		<i>\$ 175.00</i>

SUB TOTAL *16* \$ *3844.20*

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE <i>Allen P. Weirich</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>[Signature]</i> (WELL OWNER OPERATOR CONTRACTOR OR AGENT)
FIELD SERVICE ORDER NO.	

BASIC

energy services, L.P.

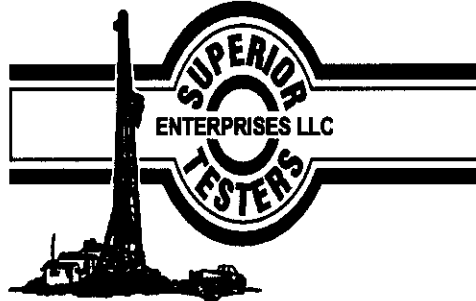
TREATMENT REPORT

Customer VAL HALLA Explor LLC		Lease No.		Date 11-12-12	
Lease Marionwestern		Well # 1-33			
Field Order # 070330	Station Pratt	Casing 5/8"	Depth	County Barton	State KS
Type Job DSQUEEZE	Formation C.M.W. Arbuckle		Legal Description 33-17-13		

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5/8"	Tubing Size 2 7/8"	Shots/Ft	50 SK	Acid	Common @ 14# gal	RATE	PRESS	ISIP
Depth	Depth	From 3344	To 3345	Pre Pad		Max		5 Min.
Volume 33	Volume 10.73	From 336	To 336.5	Pad		Min		10 Min.
Max Press 500 H	Max Press 2000 H	From	To	Frac		Avg		15 Min.
Well Connection	Annulus Vol.	From	To	Disp-oil		HHP Used		Annulus Pressure
Plug Depth	Packer Depth 3270	From	To	Flush SPLIT WATER		Gas Volume		Total Load

Customer Representative Kelly Branum			Station Manager Scotty			Treater Allen		
Service Units	28443	33708	20920	19959	21010			
Driver Names	Allen Joe	Melson Steve	Youn					

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
8:15 AM					ON Loc. Discuss Safety Setup Plan Job
9:38			65		CIR Hole @ 3302 Long way.
10:21	500*		9		Load ANN @ 3270 PSF 500*
10:30		400*		2 1/4	TAKE INJ RATE
10:40					Pump 4 BBL OIL
				2	st mix 50 SKS com @ 14*
			12		Finish mix
10:57		200*	2		st Disp. Pump 2 BBL OIL
				1 1/2	start SALT WATER
11:07		100*	14		shut down 14 BBL Total out
11:13					move out
11:18			18		shut down 18 BBL Total out
11:39		2000*			Bump Sp. 2000 H + stroke
					Release To TRUCK - Dry
12:19 pm					Run 4 Its PKR @ 3397 Res out
12:30			28	2	pumped 28 BBLs clear
					Pull 10 Its PKR @ 3081 (swirly)
12:50		400*			PSF up to 400* + shut in
					washup + Rackup equip
1:30					Job complete.
					+ Thanks Allen, Joe, Steve



DRILL STEM TEST REPORT

Prepared For: **Valhalla Exploration LLC.**

133 North Glendale ST.
Wichita Kansas 67208

ATTN: Adam Kennedy

Morgenstern #1-33

33-17s-13w-Barton

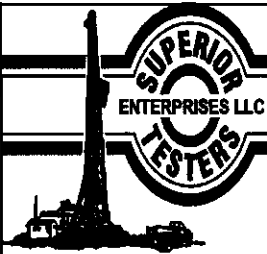
Start Date: 2012.10.13 @ 11:36:00

End Date: 2012.10.13 @ 17:29:30

Job Ticket #: 17856 DST #: 1

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

Printed: 2012.10.14 @ 03:48:24



DRILL STEM TEST REPORT

Valhalla Exploration LLC.
 133 North Glendale ST.
 Wichita Kansas 67208
 ATTN: Adam Kennedy

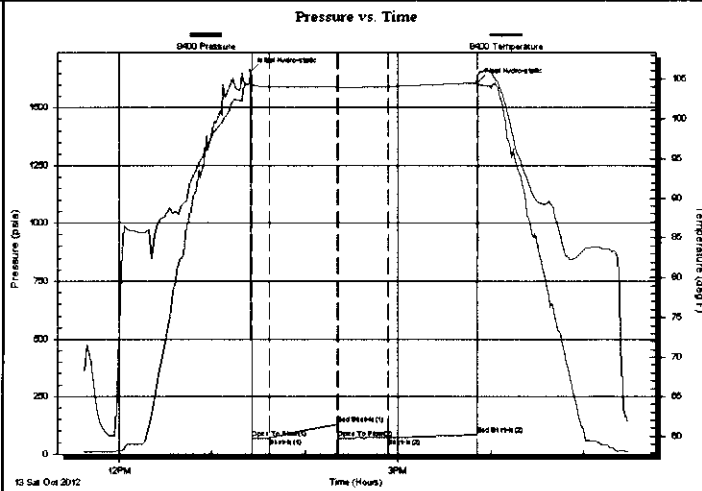
33-17s-13w-Barton
Morgenstern #1-33
 Job Ticket: 17856 DST#: 1
 Test Start: 2012.10.13 @ 11:36:00

GENERAL INFORMATION:

Formation: **Lansing H-J**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 13:26:00 Tester: Dustin Ellis
 Time Test Ended: 17:29:30 Unit No: 3315-Great Bend-25
 Interval: **3260.00 ft (KB) To 3335.00 ft (KB) (TVD)** Reference Elevations: 1877.00 ft (KB)
 Total Depth: 3335.00 ft (KB) (TVD) 1869.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 8400 Outside
 Press@RunDepth: 70.87 psia @ 3332.98 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.10.13 End Date: 2012.10.13 Last Calib.: 2012.10.14
 Start Time: 11:36:00 End Time: 17:29:30 Time On Btm: 2012.10.13 @ 13:25:00
 Time Off Btm: 2012.10.13 @ 15:51:30

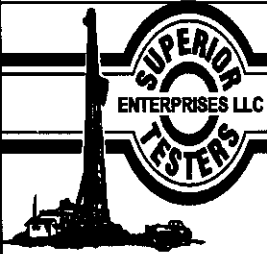
TEST COMMENT: 1st Open 10 minutes Weak surface blow
 1st Shut in 45 minutes No blow back
 2nd Open 30 minutes Weak surface blow died off after 7 minutes.
 2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1658.01	104.51	Initial Hydro-static
1	67.25	104.24	Open To Flow (1)
12	69.48	104.04	Shut-in(1)
56	129.52	103.98	End Shut-in(1)
57	70.18	103.95	Open To Flow (2)
89	70.87	104.04	Shut-in(2)
146	84.99	104.53	End Shut-in(2)
147	1610.00	105.37	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
5.00	Very lightly oil spotted mud 100%	0.07

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



DRILL STEM TEST REPORT

Valhalla Exploration LLC.
 133 North Glendale ST.
 Wichita Kansas 67208
 ATTN: Adam Kennedy

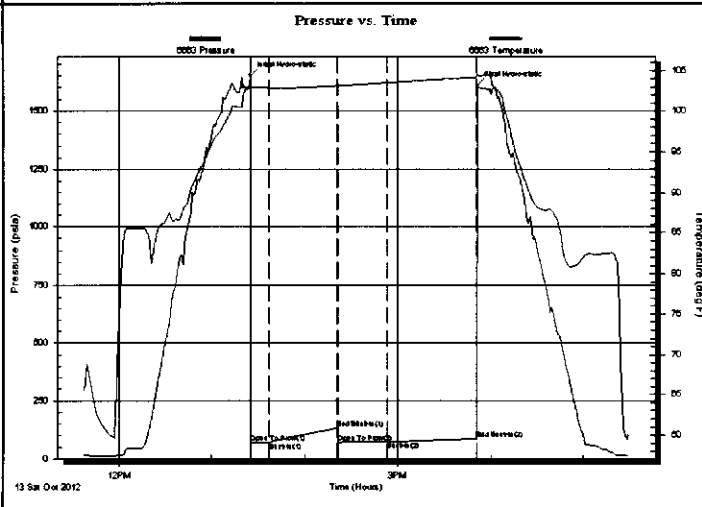
33-17s-13w-Barton
Morgenstern #1-33
 Job Ticket: 17856 **DST#: 1**
 Test Start: 2012.10.13 @ 11:36:00

GENERAL INFORMATION:

Formation: **Lansing H-J**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 13:26:00 Tester: Dustin Ellis
 Time Test Ended: 17:29:30 Unit No: 3315-Great Bend-25
 Interval: **3260.00 ft (KB) To 3335.00 ft (KB) (TVD)** Reference Elevations: 1877.00 ft (KB)
 Total Depth: 3335.00 ft (KB) (TVD) 1869.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 8.00 ft

Serial #: 6663 Inside
 Press@RunDepth: 85.19 psia @ 3331.98 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.10.13 End Date: 2012.10.13 Last Calib.: 2012.10.14
 Start Time: 11:36:00 End Time: 17:29:30 Time On Btm: 2012.10.13 @ 13:25:00
 Time Off Btm: 2012.10.13 @ 15:51:30

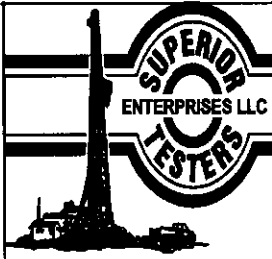
TEST COMMENT: 1st Open 10 minutes Weak surface blow
 1st Shut in 45 minutes No blow back
 2nd Open 30 minutes Weak surface blow died off after 7 minutes.
 2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1652.14	102.80	Initial Hydro-static
1	66.84	102.51	Open To Flow (1)
12	69.33	102.90	Shut-in(1)
56	129.45	103.16	End Shut-in(1)
57	70.21	103.15	Open To Flow (2)
88	71.07	103.52	Shut-in(2)
146	85.19	104.20	End Shut-in(2)
147	1609.73	104.51	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
5.00	Very lightly oil spotted mud 100%	0.07

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Valhalla Exploration LLC.
 133 North Glendale ST.
 Wichita Kansas 67208
 ATTN: Adam Kennedy

33-17s-13w-Barton
Morgenstern #1-33
 Job Ticket: 17856 **DST#: 1**
 Test Start: 2012.10.13 @ 11:36:00

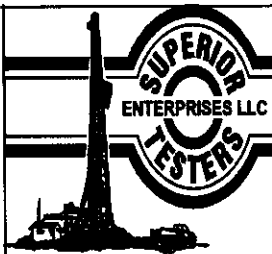
Tool Information

Drill Pipe:	Length: 3271.00 ft	Diameter: 3.80 inches	Volume: 45.88 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: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 45.88 bbl</u>	Tool Chased 4.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	3260.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	75.98 ft			
Tool Length:	95.98 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3245.00	
Hydraulic Tool	5.00			3250.00	
Packer	5.00			3255.00	20.00 Bottom Of Top Packer
Packer	5.00			3260.00	
Anchor	6.00			3266.00	
Change Over Sub	0.75			3266.75	
Drill Pipe	31.48			3298.23	
Change Over Sub	0.75			3298.98	
Anchor	32.00			3330.98	
Recorder	1.00	6663	Inside	3331.98	
Recorder	1.00	8400	Outside	3332.98	
Bull Plug	3.00			3335.98	75.98 Bottom Packers & Anchor

Total Tool Length: 95.98



DRILL STEM TEST REPORT

FLUID SUMMARY

Valhalla Exploration LLC.

33-17s-13w-Barton

133 North Glendale ST.
Wichita Kansas 67208

Morgenstern #1-33

Job Ticket: 17856

DST#: 1

ATTN: Adam Kennedy

Test Start: 2012.10.13 @ 11:36:00

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: 8.40 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure: psia

Salinity: 4800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Very lightly oil spotted mud 100%	0.070

Total Length: 5.00 ft Total Volume: 0.070 bbl

Num Fluid Samples: 0

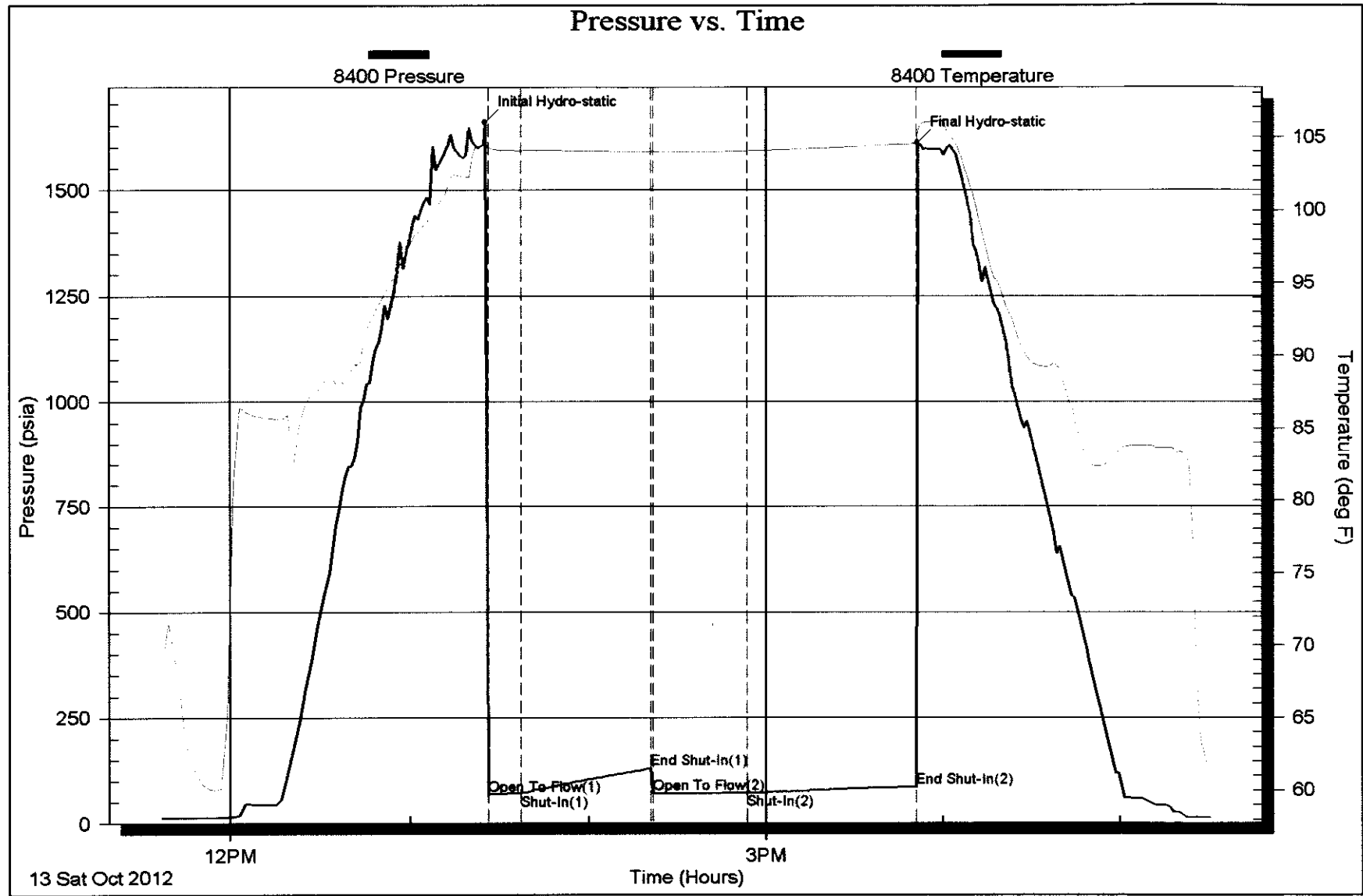
Num Gas Bombs: 0

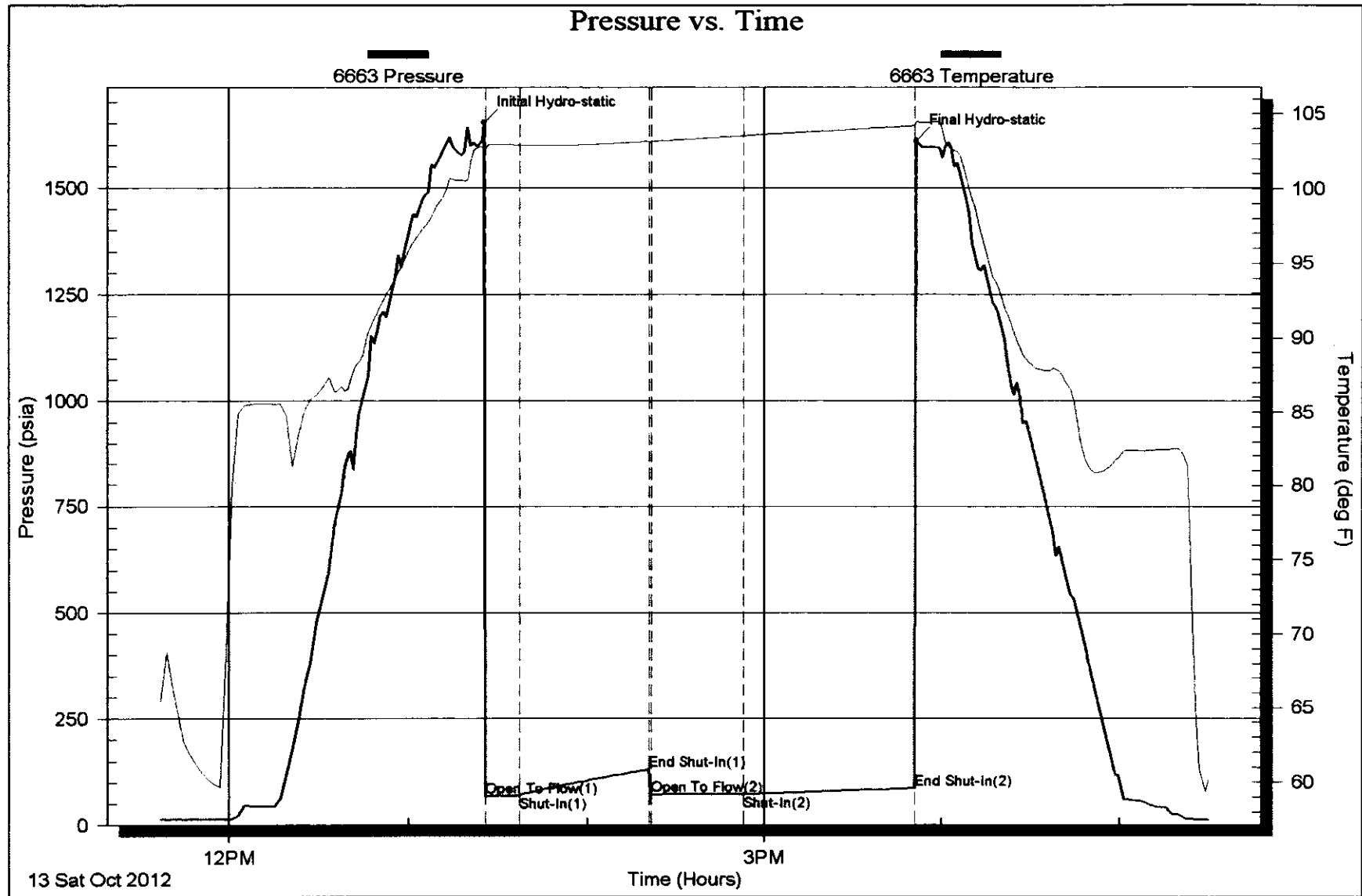
Serial #:

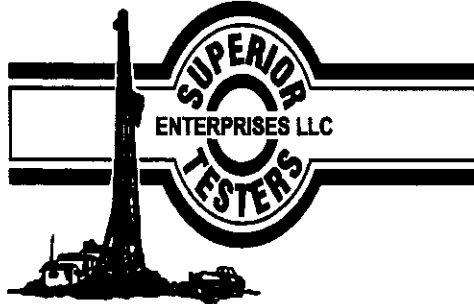
Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Valhalla Exploration LLC.**

133 North Glendale ST.
Wichita Kansas 67208

ATTN: Adam Kennedy

Morgenstern #1-33

33-17s-13w-Barton

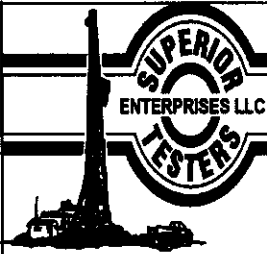
Start Date: 2012.10.14 @ 02:25:00

End Date: 2012.10.14 @ 08:42:30

Job Ticket #: 17857 DST #: 2

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

Printed: 2012.10.14 @ 19:08:56



DRILL STEM TEST REPORT

Valhalla Exploration LLC.
 133 North Glendale ST.
 Wichita Kansas 67208
 ATTN: Adam Kennedy

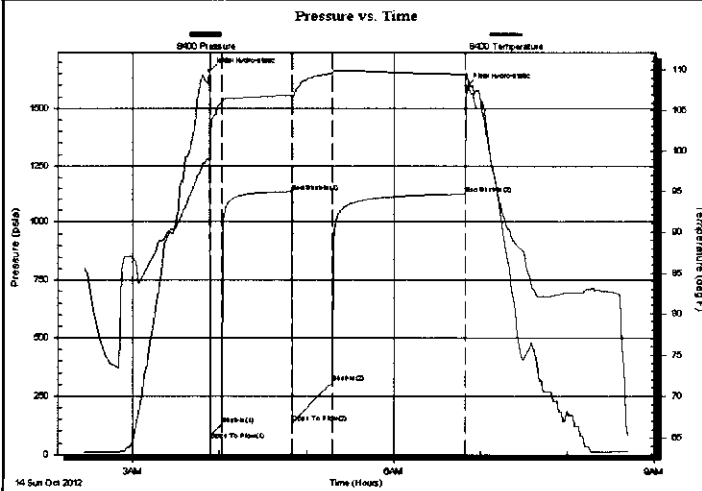
33-17s-13w-Barton
Morgenstern #1-33
 Job Ticket: 17857 DST#: 2
 Test Start: 2012.10.14 @ 02:25:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:53:30
 Time Test Ended: 08:42:30
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-25
 Interval: **3344.00 ft (KB) To 3364.00 ft (KB) (TVD)**
 Total Depth: 3364.00 ft (KB) (TVD)
 Reference Elevations: 1877.00 ft (KB)
 1869.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 8.00 ft

Serial #: 8400 Outside
 Press@RunDepth: 308.81 psia @ 3361.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.10.14 End Date: 2012.10.14 Last Calib.: 2012.10.14
 Start Time: 02:25:00 End Time: 08:42:30 Time On Btm: 2012.10.14 @ 03:53:00
 Time Off Btm: 2012.10.14 @ 06:50:00

TEST COMMENT: 1st Open 10 minutes Fair building blow blew bottom bucket 5 minutes.
 1st Shut in 45 minutes No blow
 2nd Open 30 minutes Fair building blow blew bottom bucket 5 minutes.
 2nd Shut in 90 minutes No blow back.



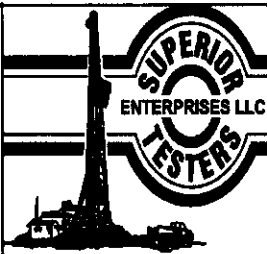
PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1661.22	99.27	Initial Hydro-static
1	60.30	101.74	Open To Flow (1)
9	127.13	105.89	Shut-In(1)
57	1135.67	106.89	End Shut-In(1)
58	134.51	106.55	Open To Flow (2)
85	308.81	109.55	Shut-In(2)
177	1124.86	109.45	End Shut-In(2)
177	1595.21	109.56	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	Oil cut watery mud	3.48
0.00	Oil 35%Mud30%Water35%	0.00
360.00	Water cut mud Water 95% Mud 5%	5.05
0.00	Chlorides 36,000@ 68 degrees	0.00

Gas Rates

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



DRILL STEM TEST REPORT

Valhalla Exploration LLC.
 133 North Glendale ST.
 Wichita Kansas 67208
 ATTN: Adam Kennedy

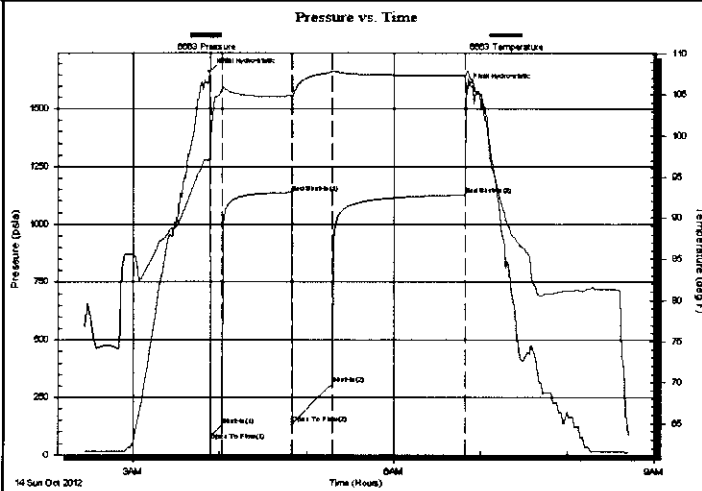
33-17s-13w-Barton
Morgenstern #1-33
 Job Ticket: 17857 **DST#: 2**
 Test Start: 2012.10.14 @ 02:25:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:53:30
 Time Test Ended: 08:42:30
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-25
 Interval: **3344.00 ft (KB) To 3364.00 ft (KB) (TVD)**
 Total Depth: 3364.00 ft (KB) (TVD)
 Reference Elevations: 1877.00 ft (KB)
 1869.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 8.00 ft

Serial #: 6663 Inside
 Press@RunDepth: 1124.80 psia @ 3360.00 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.10.14 End Date: 2012.10.14 Last Calib.: 2012.10.14
 Start Time: 02:25:00 End Time: 08:42:30 Time On Btm: 2012.10.14 @ 03:53:00
 Time Off Btm: 2012.10.14 @ 06:50:00

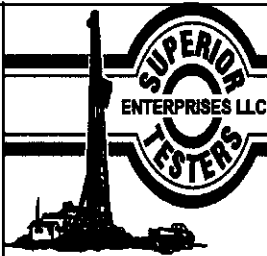
TEST COMMENT: 1st Open 10 minutes Fair building blow blew bottom bucket 5 minutes.
 1st Shut in 45 minutes No blow
 2nd Open 30 minutes Fair building blow blew bottom bucket 5 minutes.
 2nd Shut in 90 minutes No blow back.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1662.68	97.42	Initial Hydro-static
1	59.23	99.61	Open To Flow (1)
9	126.70	105.63	Shut-In(1)
57	1136.69	104.87	End Shut-In(1)
57	134.03	104.59	Open To Flow (2)
85	309.24	107.79	Shut-In(2)
177	1124.80	107.32	End Shut-In(2)
177	1596.74	107.44	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
248.00	Oil cut watery mud	3.48
0.00	Oil 35%Mud30%Water35%	0.00
360.00	Water cut mud Water 95% Mud 5%	5.05
0.00	Chlorides 36,000@ 68 degrees	0.00

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Valhalla Exploration LLC.

33-17s-13w-Barton

133 North Glendale ST.
Wichita Kansas 67208

Morgenstern #1-33

Job Ticket: 17857

DST#: 2

ATTN: Adam Kennedy

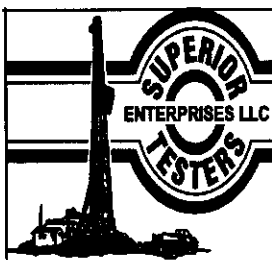
Test Start: 2012.10.14 @ 02:25:00

Tool Information

Drill Pipe:	Length: 3326.00 ft	Diameter: 3.80 inches	Volume: 46.66 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: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 45000.00 lb
			Total Volume: 46.66 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	10.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3344.00 ft			Final 45000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	20.00 ft			
Tool Length:	48.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3321.00	
Hydraulic Tool	5.00			3326.00	
Jars	6.00			3332.00	
Safety Joint	2.00			3334.00	
Packer	5.00			3339.00	28.00 Bottom Of Top Packer
Packer	5.00			3344.00	
Anchor	15.00			3359.00	
Recorder	1.00	6663	Inside	3360.00	
Recorder	1.00	8400	Outside	3361.00	
Bull Plug	3.00			3364.00	20.00 Bottom Packers & Anchor
Total Tool Length:	48.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

Valhalla Exploration LLC.

33-17s-13w-Barton

133 North Glendale ST.
Wichita Kansas 67208

Morgenstern #1-33

Job Ticket: 17857

DST#: 2

ATTN: Adam Kennedy

Test Start: 2012.10.14 @ 02:25:00

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: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.80 in ³	Gas Cushion Type:		
Resistivity: 0.40 ohm.m	Gas Cushion Pressure: psia		
Salinity: 6700.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	Oil cut watery mud	3.479
0.00	Oil 35% Mud 30% Water 35%	0.000
360.00	Water cut mud Water 95% Mud 5%	5.050
0.00	Chlorides 36,000@ 68 degrees	0.000

Total Length: 608.00 ft Total Volume: 8.529 bbl

Num Fluid Samples: 0

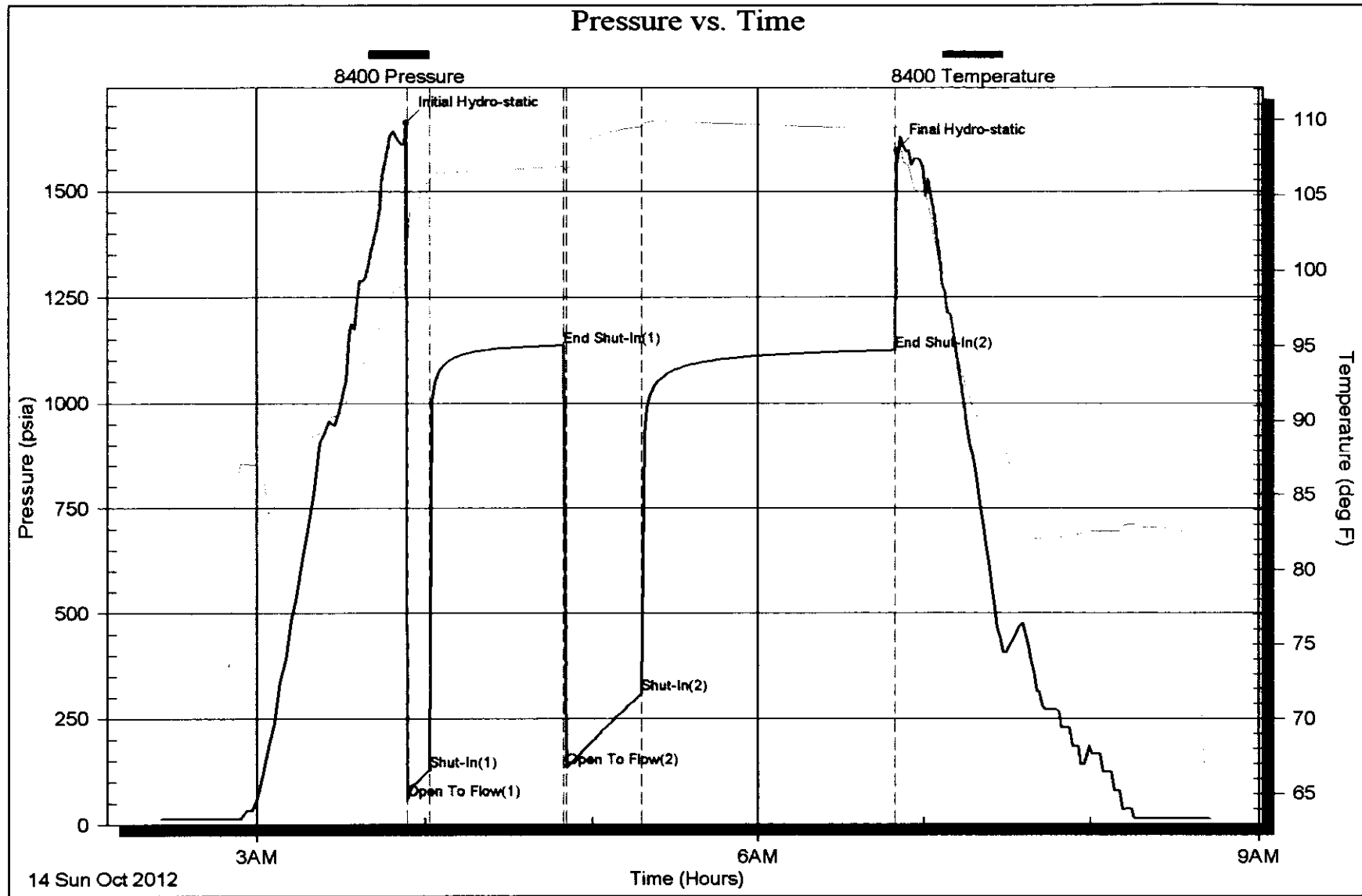
Num Gas Bombs: 0

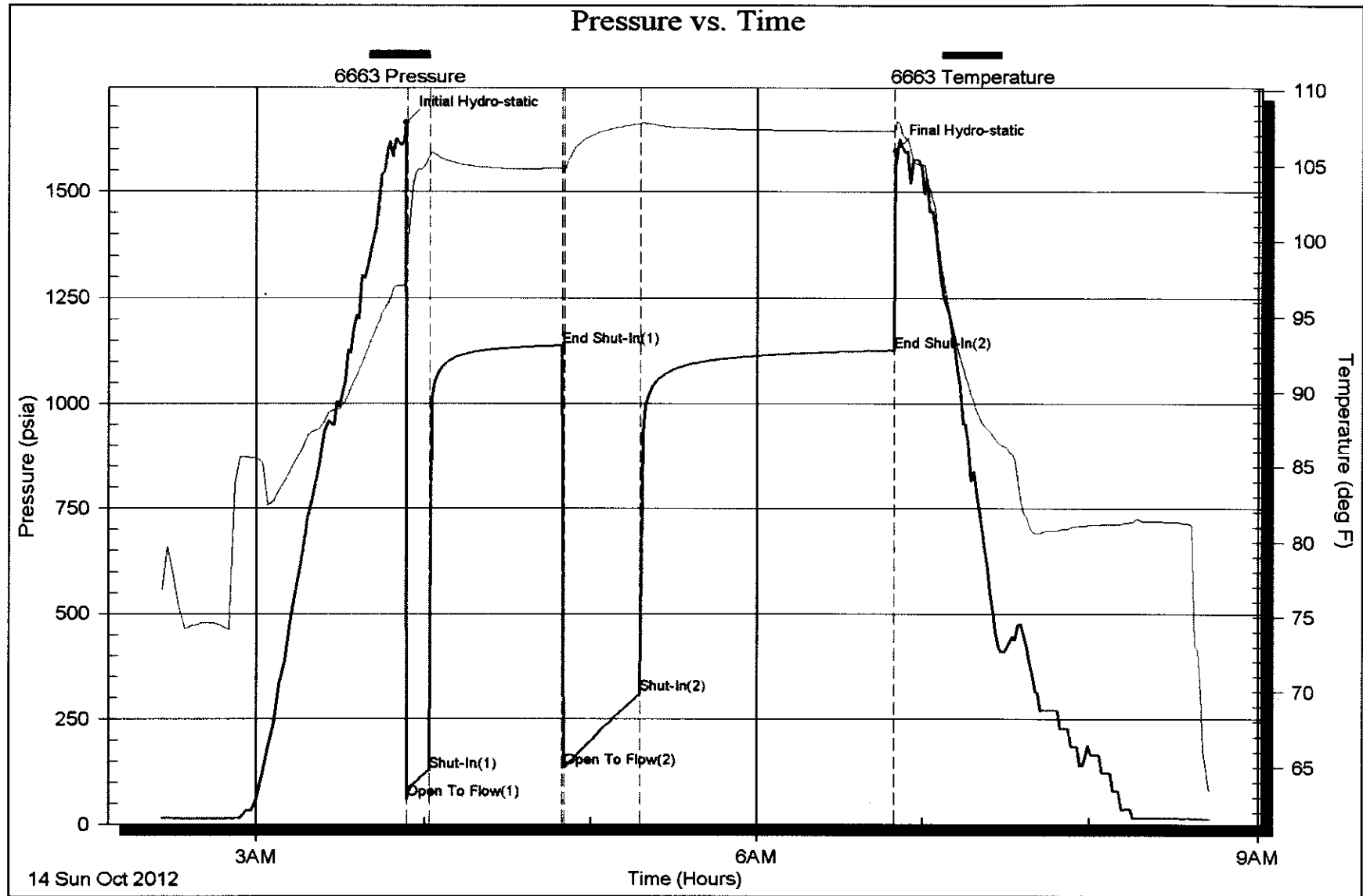
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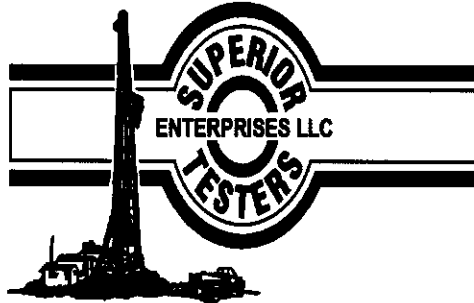
Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Valhalla Exploration LLC.**

133 North Glendale ST.
Wichita Kansas 67208

ATTN: Adam Kennedy

Morgenstern #1-33

33-17s-13w-Barton

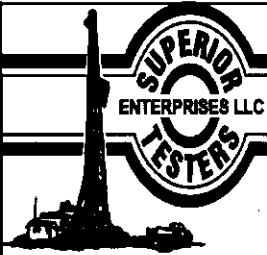
Start Date: 2012.10.15 @ 03:12:00

End Date: 2012.10.15 @ 08:50:30

Job Ticket #: 17858 DST #: 3

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

Printed: 2012.10.15 @ 07:06:30



DRILL STEM TEST REPORT

Valhalla Exploration LLC.

33-17s-13w-Barton

133 North Glendale ST.
Wichita Kansas 67208

Morgenstern #1-33

Job Ticket: 17858

DST#: 3

ATTN: Adam Kennedy

Test Start: 2012.10.15 @ 03:12:00

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:28:00

Time Test Ended: 08:50:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315-Great Bend-25

Interval: **3365.00 ft (KB) To 3371.00 ft (KB) (TVD)**

Reference Elevations: 1877.00 ft (KB)

Total Depth: 3371.00 ft (KB) (TVD)

1869.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 8400

Press@RunDepth: 46.94 psia @ ft (KB)

Capacity: 5000.00 psia

Start Date: 2012.10.15 End Date: 2012.10.15

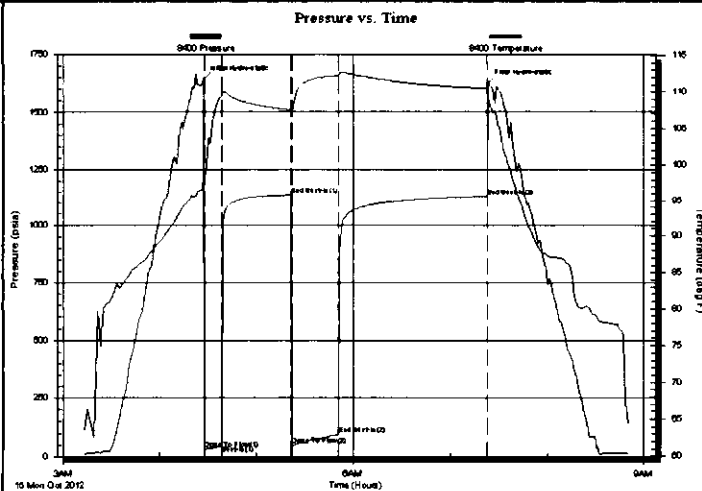
Last Calib.: 2012.10.15

Start Time: 03:12:00 End Time: 08:50:30

Time On Btm: 2012.10.15 @ 04:27:30

Time Off Btm: 2012.10.15 @ 07:23:30

TEST COMMENT: 1st Open 10 minutes Fair building blow blew 2.5 inches
1st Shut in 45 minutes No blow back
2nd Open 30 minutes Fair building blow 28 minutes bottom bucket
2nd Shut in 90 minutes No blow back



PRESSURE SUMMARY

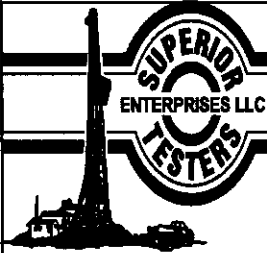
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1643.06	98.20	Initial Hydro-static
1	31.86	98.42	Open To Flow (1)
11	46.94	109.49	Shut-in(1)
55	1137.86	107.61	End Shut-in(1)
55	48.34	107.32	Open To Flow (2)
84	95.77	112.26	End Shut-in(2)
175	1130.06	110.50	End Shut-in(3)
176	1626.71	109.32	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	Water cut mud Mud 30% Water 70%	1.82
0.00	Chlorides 36,000 @56 degrees	0.00

Gas Rates

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



DRILL STEM TEST REPORT

Valhalla Exploration LLC.
 133 North Glendale ST.
 Wichita Kansas 67208
 ATTN: Adam Kennedy

33-17s-13w-Barton
Morgenstern #1-33
 Job Ticket: 17858 DST#: 3
 Test Start: 2012.10.15 @ 03:12:00

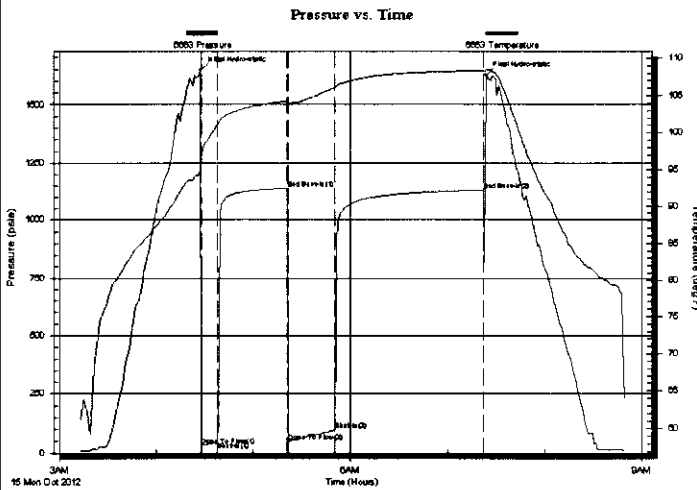
GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:28:00
 Time Test Ended: 08:50:30
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-25
 Interval: **3365.00 ft (KB) To 3371.00 ft (KB) (TVD)**
 Total Depth: 3371.00 ft (KB) (TVD)
 Reference Elevations: 1877.00 ft (KB)
 1869.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 8.00 ft

Serial #: 6663

Press@RunDepth: 1132.40 psia @ ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.10.15 End Date: 2012.10.15 Last Calib.: 2012.10.15
 Start Time: 03:12:00 End Time: 08:50:00 Time On Btm: 2012.10.15 @ 04:27:30
 Time Off Btm: 2012.10.15 @ 07:23:30

TEST COMMENT: 1st Open 10 minutes Fair building blow blew 2.5 inches
 1st Shut in 45 minutes No blow back
 2nd Open 30 minutes Fair building blow 28 minutes bottom bucket
 2nd Shut in 90 minutes No blow back



PRESSURE SUMMARY

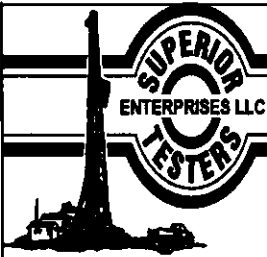
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1646.07	95.17	Initial Hydro-static
1	33.88	96.46	Open To Flow (1)
11	47.35	101.06	Shut-in(1)
54	1140.22	104.31	End Shut-in(1)
55	49.69	104.03	Open To Flow (2)
83	95.30	106.01	Shut-in(2)
175	1132.40	108.36	End Shut-in(2)
176	1625.52	108.48	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
130.00	Water cut mud Mud 30% Water 70%	1.82
0.00	Chlorides 36,000 @56 degrees	0.00

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Valhalla Exploration LLC.
 133 North Glendale ST.
 Wichita Kansas 67208
 ATTN: Adam Kennedy

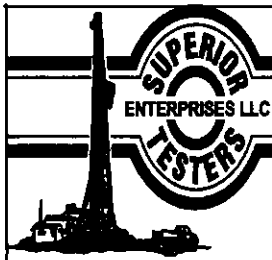
33-17s-13w-Barton
Morgenstern #1-33
 Job Ticket: 17858 **DST#: 3**
 Test Start: 2012.10.15 @ 03:12:00

Tool Information

Drill Pipe:	Length: 3351.00 ft	Diameter: 3.80 inches	Volume: 47.01 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: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 67000.00 lb
			<u>Total Volume: 47.01 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 65000.00 lb
Depth to Top Packer:	3365.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	6.00 ft			
Tool Length:	34.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			3342.00	
Hydraulic Tool	5.00			3347.00	
Jars	6.00			3353.00	
Safety Joint	2.00			3355.00	
Packer	5.00			3360.00	28.00 Bottom Of Top Packer
Packer	5.00			3365.00	
Anchor	1.00			3366.00	
Recorder	1.00	6663	Inside	3367.00	
Recorder	1.00	8400	Outside	3368.00	
Bull Plug	3.00			3371.00	6.00 Bottom Packers & Anchor
Total Tool Length:	34.00				



DRILL STEM TEST REPORT

FLUID SUMMARY

Valhalla Exploration LLC.

33-17s-13w-Barton

133 North Glendale ST.
Wichita Kansas 67208

Morgenstern #1-33

Job Ticket: 17858

DST#: 3

ATTN: Adam Kennedy

Test Start: 2012.10.15 @ 03:12:00

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: 49.00 sec/qt

Cushion Volume: bbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: 0.40 ohm.m

Gas Cushion Pressure: psia

Salinity: 6700.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
130.00	Water cut mud Mud 30% Water 70%	1.824
0.00	Chlorides 36,000 @56 degrees	0.000

Total Length: 130.00 ft

Total Volume: 1.824 bbl

Num Fluid Samples: 0

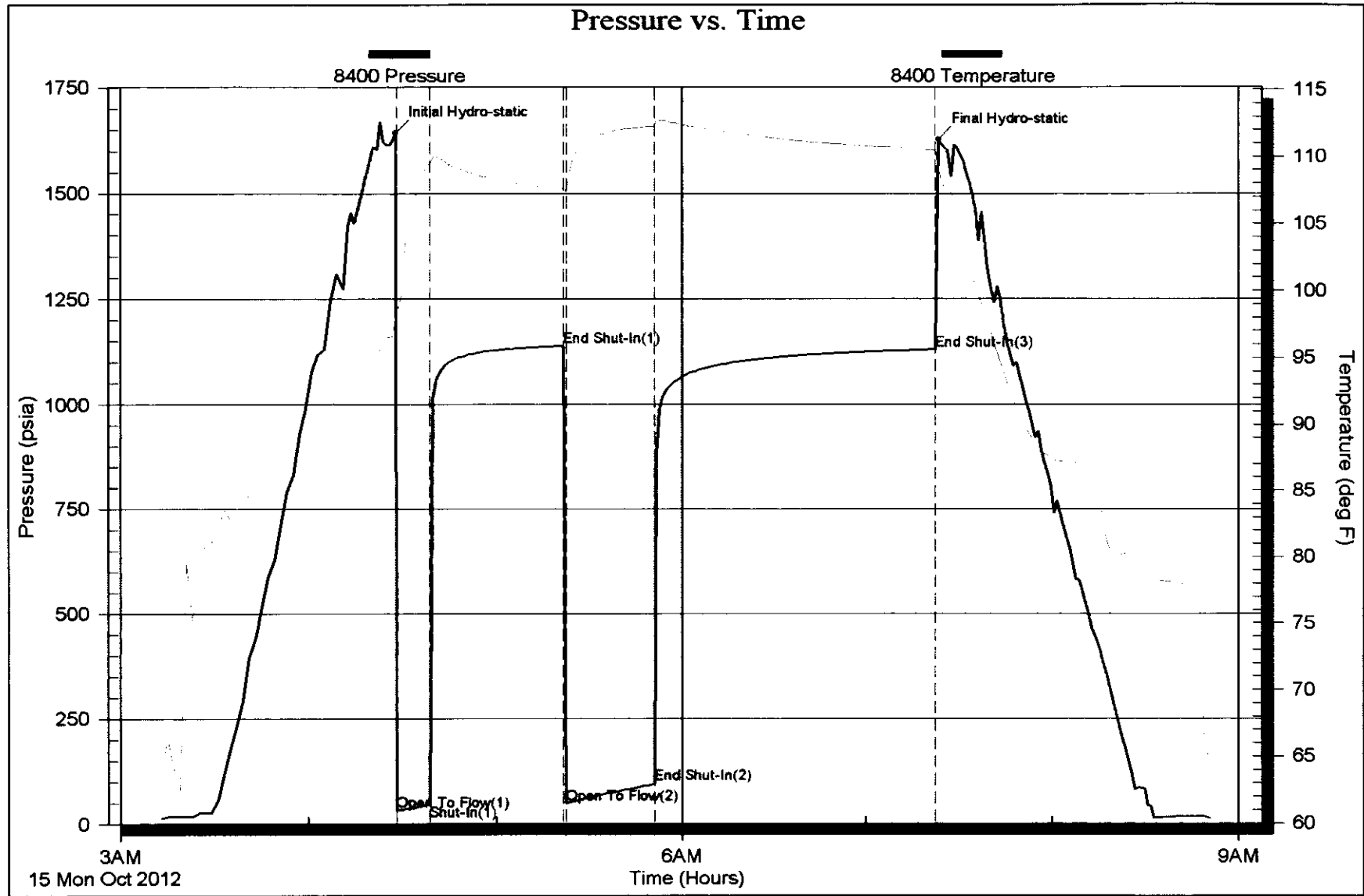
Num Gas Bombs: 0

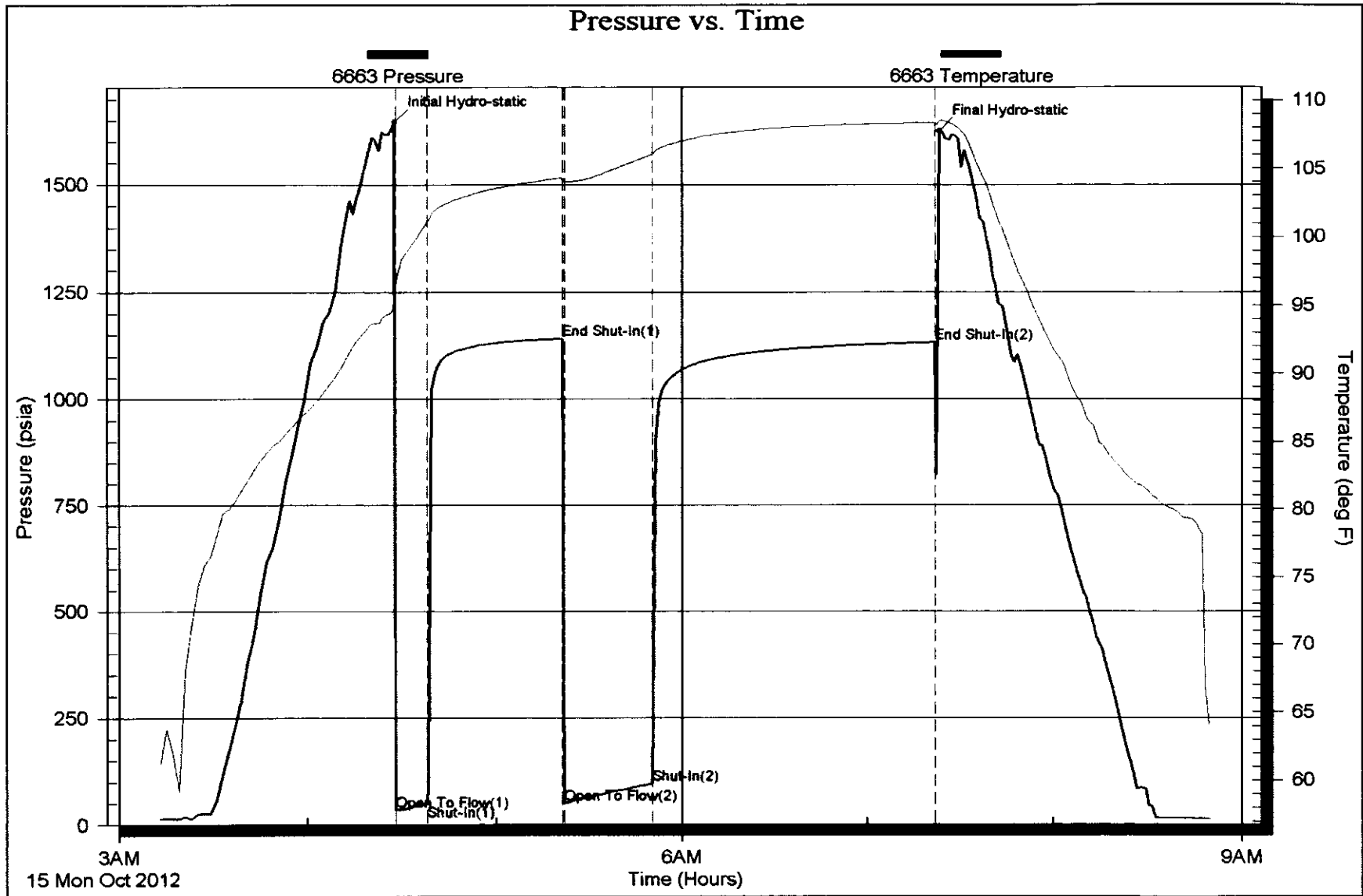
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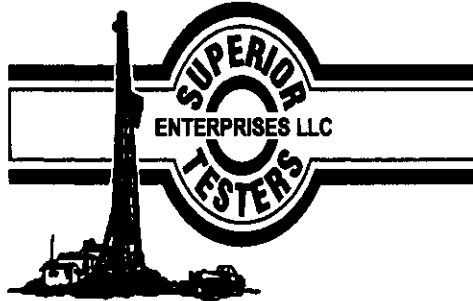
Laboratory Name:

Laboratory Location:

Recovery Comments:







DRILL STEM TEST REPORT

Prepared For: **Valhalla Exploration LLC.**

133 North Glendale ST.
Wichita Kansas 67208

ATTN: Adam Kennedy

Morgenstern #1-33

33-17s-13w-Barton

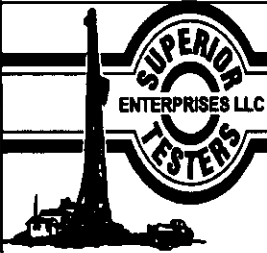
Start Date: 2012.10.15 @ 09:15:00

End Date: 2012.10.15 @ 17:20:00

Job Ticket #: 17859 DST #: 4

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

Printed: 2012.10.16 @ 03:42:57



DRILL STEM TEST REPORT

Valhalla Exploration LLC.
 133 North Glendale ST.
 Wichita Kansas 67208
 ATTN: Adam Kennedy

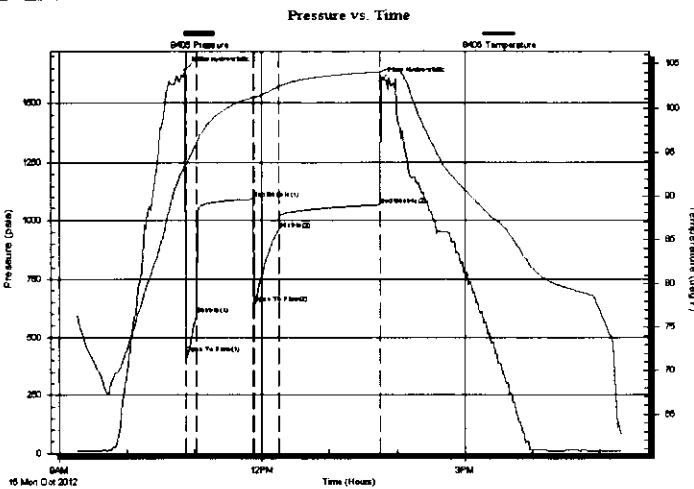
33-17s-13w-Barton
Morgenstern #1-33
 Job Ticket: 17859 **DST#: 4**
 Test Start: 2012.10.15 @ 09:15:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:52:30
 Time Test Ended: 17:20:00
 Test Type: Conventional Straddle (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-25
 Interval: **3332.00 ft (KB) To 3348.00 ft (KB) (TVD)**
 Total Depth: 3454.00 ft (KB) (TVD)
 Reference Elevations: 1877.00 ft (KB)
 1869.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 8.00 ft

Serial #: 8405 Outside
 Press@RunDepth: 958.74 psia @ 3334.16 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.10.15 End Date: 2012.10.15 Last Calib.: 2012.10.16
 Start Time: 09:15:00 End Time: 17:20:00 Time On Btm: 2012.10.15 @ 10:51:30
 Time Off Btm: 2012.10.15 @ 13:45:30

TEST COMMENT: 1st Open 10 minutes Strong building blow blew bottom bucket 1 minute.
 1st Shut in 45 minutes Yes blow back
 2nd Open 30 minutes Strong building blow blew bottom bucket 1 minute.
 2nd Shut in 90 minutes Yes blow back



PRESSURE SUMMARY

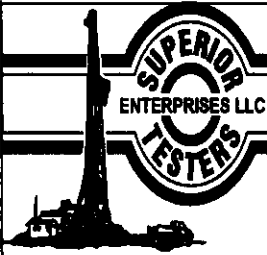
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1641.74	93.57	Initial Hydro-static
1	431.20	93.63	Open To Flow (1)
10	597.29	95.94	Shut-in(1)
61	1090.56	101.24	End Shut-in(1)
62	643.24	101.15	Open To Flow (2)
84	958.74	102.42	Shut-in(2)
174	1065.41	104.12	End Shut-in(2)
174	1594.85	104.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
2418.00	Clean Gassy oil 95%Oil 5%Gas	33.92
0.00	Gravity of oil 34 corrected	0.00

Gas Rates

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



DRILL STEM TEST REPORT

Valhalla Exploration LLC.
 133 North Glendale ST.
 Wichita Kansas 67208
 ATTN: Adam Kennedy

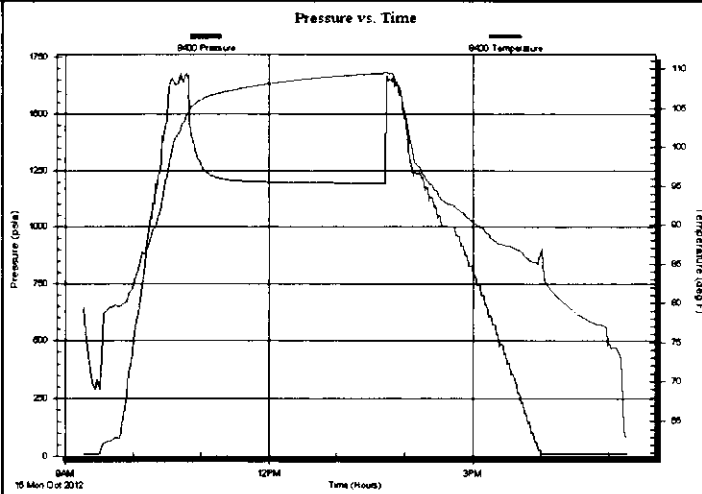
33-17s-13w-Barton
Morgenstern #1-33
 Job Ticket: 17859 **DST#: 4**
 Test Start: 2012.10.15 @ 09:15:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 10:52:30
 Time Test Ended: 17:20:00
 Test Type: Conventional Straddle (Initial)
 Tester: Dustin Ellis
 Unit No: 3315-Great Bend-25
 Interval: **3332.00 ft (KB) To 3348.00 ft (KB) (TVD)**
 Total Depth: 3454.00 ft (KB) (TVD)
 Reference Elevations: 1877.00 ft (KB)
 1869.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 KB to GR/CF: 8.00 ft

Serial #: 8400 Below
 Press@RunDepth: psia @ 3351.89 ft (KB) Capacity: 5000.00 psia
 Start Date: 2012.10.15 End Date: 2012.10.15 Last Calib.: 2012.10.16
 Start Time: 09:15:00 End Time: 17:17:30 Time On Btm:
 Time Off Btm:

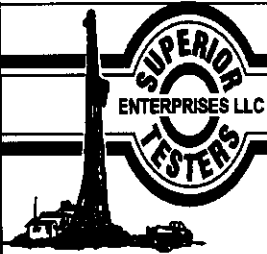
TEST COMMENT: 1st Open 10 minutes Strong building blow blew bottom bucket 1 minute.
 1st Shut in 45 minutes Yes blow back
 2nd Open 30 minutes Strong building blow blew bottom bucket 1 minute.
 2nd Shut in 90 minutes Yes blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation

Recovery		
Length (ft)	Description	Volume (bbl)
2418.00	Clean Gassy oil 95% Oil 5% Gas	33.92
0.00	Gravity of oil 34 corrected	0.00

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

Valhalla Exploration LLC.

33-17s-13w-Barton

133 North Glendale ST.
Wichita Kansas 67208

Morgenstern #1-33

Job Ticket: 17859

DST#: 4

ATTN: Adam Kennedy

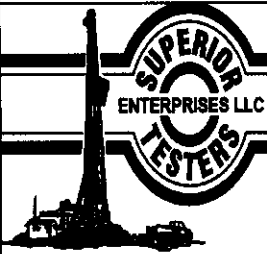
Test Start: 2012.10.15 @ 09:15:00

Tool Information

Drill Pipe:	Length: 3323.00 ft	Diameter: 3.80 inches	Volume: 46.61 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: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 62000.00 lb
			<u>Total Volume: 46.61 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	13.61 ft			String Weight: Initial 45000.00 lb
Depth to Top Packer:	3332.00 ft			Final 53000.00 lb
Depth to Bottom Packer:	3348.37 ft			
Interval between Packers:	16.37 ft			
Tool Length:	43.28 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
P.O. Sub	0.31			3309.70	
C.O. Sub	0.31			3310.01	
P.O. Sub	0.31			3310.32	
Recorder	1.80		Fluid	3312.12	
Conv. S.I. Tool	1.52			3313.64	
Sampler	1.10			3314.74	
HMV	2.10			3316.84	
Recorder	1.80		Inside	3318.64	
Telemetry Tool	7.01			3325.65	
Jars	2.05			3327.70	
Bypass Hanger	0.32			3328.02	
Safety Joint	0.78			3328.80	
Packer	1.78			3330.58	22.61 Bottom Of Top Packer
Packer	1.42			3332.00	
Stubb	0.36			3332.36	
Recorder Carrier	1.80			3334.16	
Recorder	0.00	6663	Outside	3334.16	
Recorder	0.00	8405	Outside	3334.16	
Perforations	13.00			3347.16	
Bypass Receiver	0.85			3348.01	
Blank Spacing	0.00			3348.01	
Stubb	0.36			3348.37	16.37 Tool Interval
Packer	1.42			3349.79	
Bypass Hanger	0.30			3350.09	
Recorder	1.80	8400	Below	3351.89	
Collar	0.00			3351.89	



DRILL STEM TEST REPORT

FLUID SUMMARY

Valhalla Exploration LLC.

33-17s-13w-Barton

133 North Glendale ST.
Wichita Kansas 67208

Morgenstern #1-33

Job Ticket: 17859

DST#: 4

ATTN: Adam Kennedy

Test Start: 2012.10.15 @ 09:15:00

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:

bbbl

Water Loss: 7.20 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psia

Salinity: 6800.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
2418.00	Clean Gassy oil 95%Oil 5%Gas	33.918
0.00	Gravity of oil 34 corrected	0.000

Total Length: 2418.00 ft

Total Volume: 33.918 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

