



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1074535

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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	LB Exploration, Inc.
Well Name	Hayden 1
Doc ID	1074535

All Electric Logs Run

Dual Induction
Borehole Compensated Sonic
Dual Compensated Porosity
Microresistivity

Form	ACO1 - Well Completion
Operator	LB Exploration, Inc.
Well Name	Hayden 1
Doc ID	1074535

Tops

Name	Top	Datum
Anhydrite	691	1151
Heebner	2964	-1122
Toronto	2984	-1142
Douglas	2999	-1157
Brown Lime	3076	-1234
Lansing	3089	-1247
BKC	3333	-1491
Conglomerate	3345	-1503
Arbuckle	3418	-1576

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. 4727

Date	3-16-11	Sec.	6	Twp.	18	Range	11	County	Barton	State	Ks	On Location		Finish	11:00 PM	
Lease	Hayden		Well No.	#1		Location		Hay K-4 + Camp Aldrich Blk top, 3/4								
Contractor	Royal Drilling Rig #2							Owner	E/S							
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.	370'		Charge To	LB Exploration									
Csg.	8 5/8"		Depth	3691		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.	15'		Shoe Joint	15'		Cement Amount Ordered 180 sx Common 3% CC										
Meas Line			Displace	22 1/2 BLS												

EQUIPMENT

Pumptrk	1	No.	Cementer	Deane	296 Gel
			Helper		Common 180
Bulktrk	3	No.	Driver	Brian F.	Poz. Mix
			Driver		Gel. 3
Bulktrk	1	No.	Driver	Rick	
			Driver		

JOB SERVICES & REMARKS

Remarks:	Cement did Circulate.	Calcium 6
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 189
		Mileage

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	Pumptrk Charge Surface
	Mileage 25

X Signature Blouy Budig

Tax	
Discount	
Total Charge	


QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

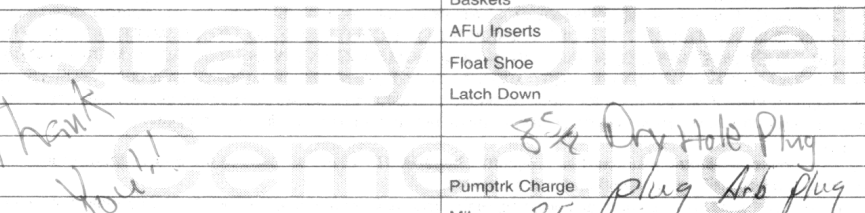
Phone 785-483-2025
Cell 785-324-1041

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

No. 4517

Date	3/22/11	Sec.	6	Twp.	18	Range	11	County	Barton	State	KS	On Location		Finish	9:00 AM
Lease	Hayden			Well No.	1			Location	Clafin, Twp, 1/2 S, E into						
Contractor	Royal Drilling Rig #2							Owner	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.						
Type Job	PTA							Charge To	LB Exploration, Inc.						
Hole Size	7 7/8			T.D.	3510'			Depth							
Csg.								Depth							
Tbg. Size								Street							
Tool								City	State						
Cement Left in Csg.	All of It			Shoe Joint				The above was done to satisfaction and supervision of owner agent or contractor.							
Meas Line				Displace				Cement Amount Ordered	1855x60/40 46 gel 4 1/2 lbs						
EQUIPMENT															
Pumptrk	9	No.		Cementer	Paul			Common	111						
Bulktrk	10	No.		Driver	Cisco			Poz. Mix	24						
Bulktrk		No.		Driver				Gel.	6						
JOB SERVICES & REMARKS															
Remarks:								Calcium							
Rat Hole	30 5x							Hulls							
Mouse Hole	15 5x							Salt							
Centralizers								Flowseal	46#						
Baskets								Kol-Seal							
D/V or Port Collar								Mud CLR 48							
	3490' - 255x							CFL-117 or CD110 CAF 38							
	700' - 255x							Sand							
	125' - 80 5x							Handling	191						
	40' - 10 5x							Mileage							
FLOAT EQUIPMENT															
								Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
									8 5/8 Dry Hole Plug						
								Pumptrk Charge	plug Arb plug						
								Mileage	25						
								Tax							
								Discount							
								Total Charge							
X Signature															

Thank You!!





DRILL STEM TEST REPORT

Prepared For: **L.B.Exploration**
2135 2nd Road
Holyrood Kansas 67450-9021

ATTN: Jim Musgrove

6-18s-11w Barton

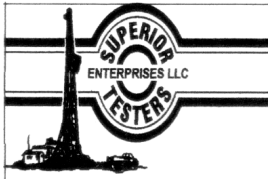
Hayden #1

Start Date: 2011.03.20 @ 10:45:00
End Date: 2011.03.20 @ 00:00:00
Job Ticket #: 15785 DST #: 1

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

Printed: 2011.03.28 @ 12:23:30

L.B.Exploration
Hayden #1
6-18s-11w Barton
DST # 1
Kansas City "A-F"
2011.03.20



DRILL STEM TEST REPORT

L.B. Exploration
 2135 2nd Road
 Holyrood Kansas 67450-9021
 ATTN: Jim Musgrove

Hayden #1
6-18s-11w Barton
 Job Ticket: 15785 **DST#: 1**
 Test Start: 2011.03.20 @ 10:45:00

GENERAL INFORMATION:

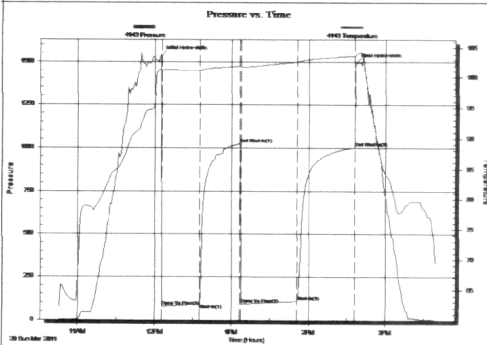
Formation: **Kansas City "A-F"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 00:00:00 Tester: Gene Budig
 Time Test Ended: 00:00:00 Unit No: 3335-
 Interval: **3091.00 ft (KB) To 3167.00 ft (KB) (TVD)** Reference Elevations: 1842.00 ft (KB)
 Total Depth: 3167.00 ft (KB) (TVD) 1835.00 ft (CF)
 Hole Diameter: 7.88 inches-Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 4143

Inside

Press@RunDepth: 1001.94 psia @ 3162.83 ft (KB) Capacity: 5000.00 psia
 Start Date: 2011.03.20 End Date: 2011.03.20 Last Calib.: 2011.03.20
 Start Time: 10:45:30 End Time: 15:39:30 Time On Btm: 2011.03.20 @ 12:05:00
 Time Off Btm: 2011.03.20 @ 14:37:00

TEST COMMENT: 1st Opening 30 Minutes weak building blow built to 4 inches into the water
 1st Shut-In 30 Minutes-No blow back
 2nd Opening 45 Minutes-Weak building blow built to 4 inches into the water
 2nd Shut-In 45 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1536.85	101.32	Initial Hydro-static
1	75.45	101.21	Open To Flow (1)
30	90.10	101.26	Shut-in(1)
61	1024.30	101.93	End Shut-In(1)
62	91.11	101.88	Open To Flow (2)
106	106.07	102.66	Shut-in(2)
151	1001.94	103.68	End Shut-In(2)
152	1497.18	103.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
110.00	Drilling mud	1.54

Gas Rates

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



DRILL STEM TEST REPORT

L.B.Exploration
 2135 2nd Road
 Holyrood Kansas 67450-9021
 ATTN: Jim Musgrove

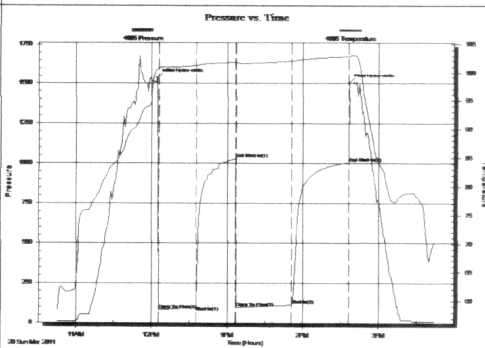
Hayden #1
6-18s-11w Barton
 Job Ticket: 15785 **DST#: 1**
 Test Start: 2011.03.20 @ 10:45:00

GENERAL INFORMATION:

Formation: **Kansas City "A-F"**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 00:00:00
 Tester: Gene Budig
 Time Test Ended: 00:00:00
 Unit No: 3335-
 Interval: **3091.00 ft (KB) To 3167.00 ft (KB) (TVD)**
 Reference Elevations: 1842.00 ft (KB)
 Total Depth: 3167.00 ft (KB) (TVD) 1835.00 ft (CF)
 Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 4005 Outside
 Press@RunDepth: 1005.93 psia @ 3163.83 ft (KB) Capacity: 5000.00 psia
 Start Date: 2011.03.20 End Date: 2011.03.20 Last Calib.: 2011.03.20
 Start Time: 10:45:30 End Time: 15:45:00 Time On Btm: 2011.03.20 @ 12:04:30
 Time Off Btm: 2011.03.20 @ 14:36:30

TEST COMMENT: 1st Opening 30 Minutes weak building blow built to 4 inches into the water
 1st Shut-In 30 Minutes-No blow back
 2nd Opening 45 Minutes-Weak building blow built to 4 inches into the water
 2nd Shut-In 45 Minutes-No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1535.02	100.68	Initial Hydro-static
1	78.19	100.90	Open To Flow (1)
32	102.38	101.21	Shut-In(1)
62	1029.46	101.81	End Shut-In(1)
63	96.07	101.80	Open To Flow (2)
107	110.20	102.02	Shut-In(2)
152	1005.93	102.86	End Shut-In(2)
152	1503.90	102.88	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
110.00	Drilling mud	1.54

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

L.B.Exploration

Hayden #1

2135 2nd Road
Holyrood Kansas 67450-9021

6-18s-11w Barton

Job Ticket: 15785

DST#: 1

ATTN: Jim Musgrove

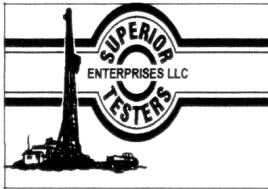
Test Start: 2011.03.20 @ 10:45:00

Tool Information

Drill Pipe:	Length: 3100.00 ft	Diameter: 3.80 inches	Volume: 43.48 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.86 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	54000.00 lb
			Total Volume: 43.48 bbl	Tool Chased	8.00 ft
Drill Pipe Above KB:	30.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3091.00 ft			Final	48000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	75.83 ft				
Tool Length:	96.83 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			3071.00	
Shut-In Tool	5.00			3076.00	
Hydroic Tool	5.00			3081.00	
Packer	5.00			3086.00	21.00 Bottom Of Top Packer
Packer	5.00			3091.00	
Perforations	4.00			3095.00	
Change Over Sub	0.75			3095.75	
Drill Pipe	31.33			3127.08	
Change Over Sub	0.75			3127.83	
Perforations	34.00			3161.83	
Recorder	1.00	4143	Inside	3162.83	
Recorder	1.00	4005	Outside	3163.83	
Bullnose	3.00			3166.83	75.83 Bottom Packers & Anchor
Total Tool Length:	96.83				



DRILL STEM TEST REPORT

FLUID SUMMARY

L.B.Exploration

Hayden #1

2135 2nd Road
Holyrood Kansas 67450-9021

6-18s-11w Barton

Job Ticket: 15785

DST#: 1

ATTN: Jim Musgrove

Test Start: 2011.03.20 @ 10:45:00

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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 3800.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
110.00	Drilling mud	1.543

Total Length: 110.00 ft Total Volume: 1.543 bbl

Num Fluid Samples: 0

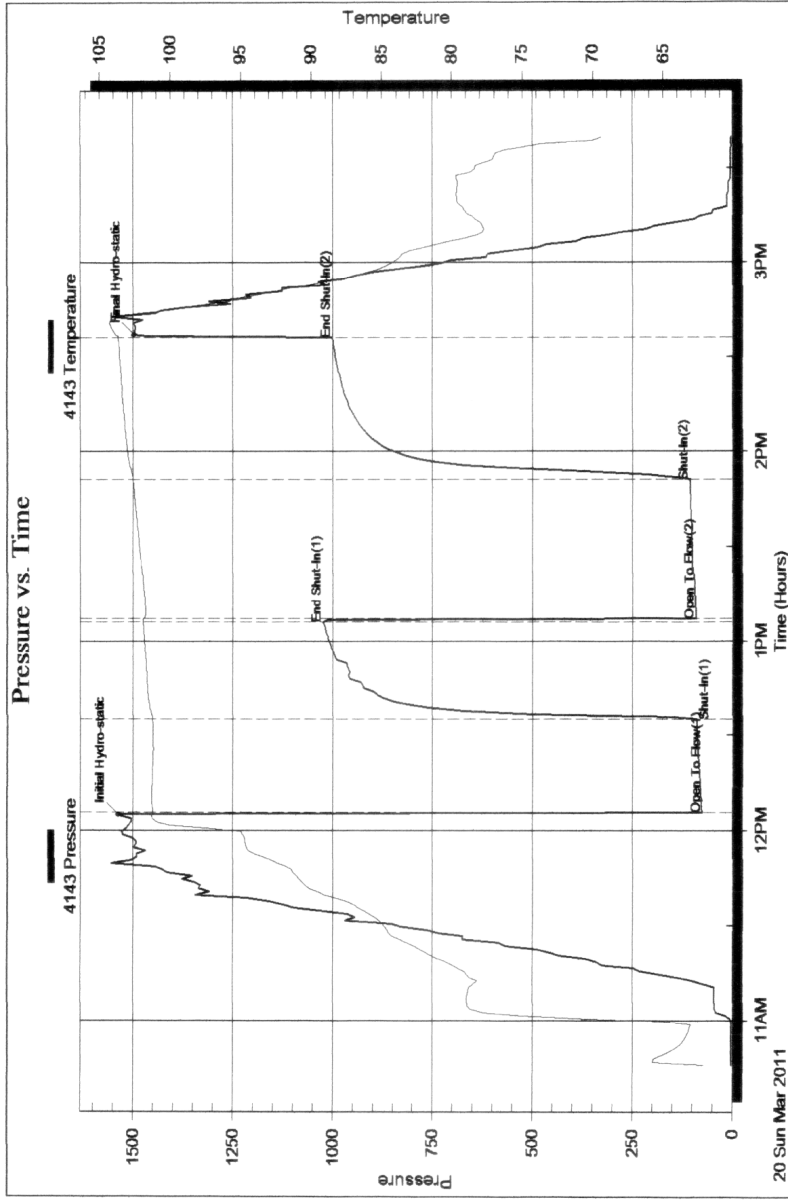
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

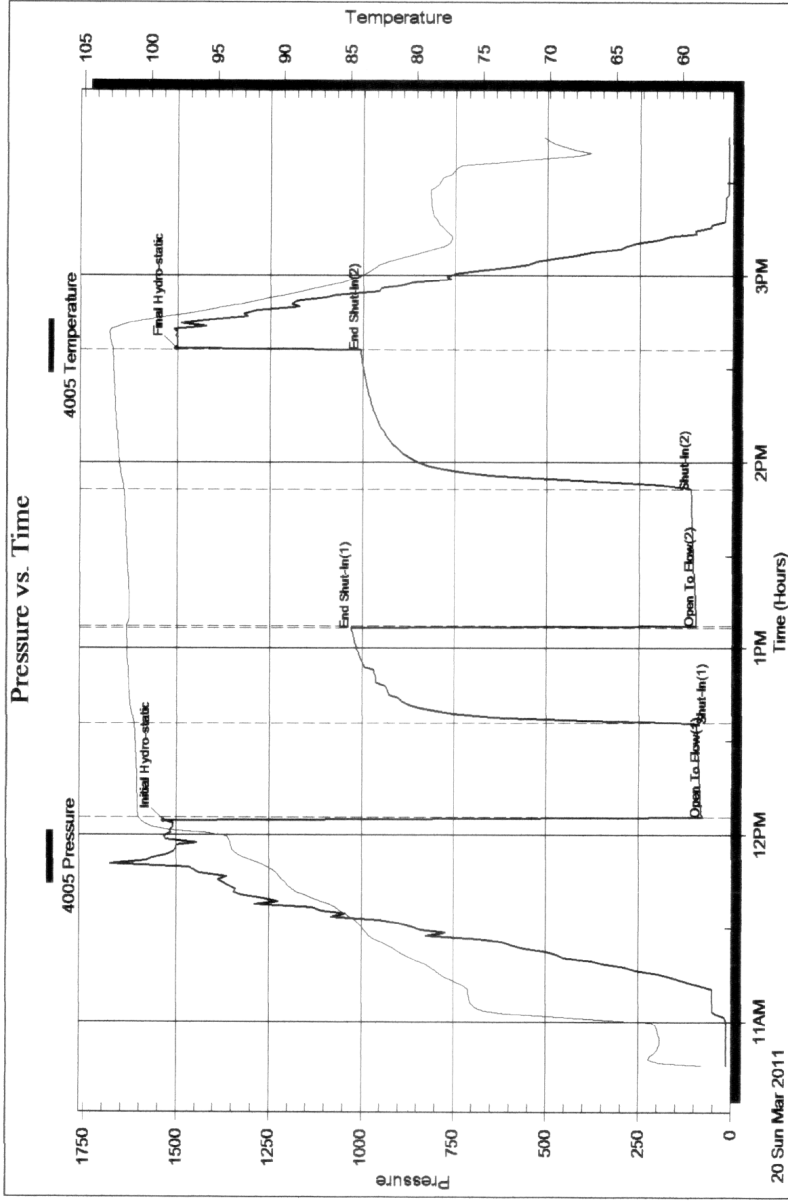


DST Test Number: 1

6-18s-11w Barton

Outside L.B. Exploration

Serial #: 4005



Printed: 2011.03.28 @ 12:23:32

Ref. No: 15785

Superior Testers Enterprises LLC



DRILL STEM TEST REPORT

Prepared For: **L.B.Exploration**
2135 2nd Road
Holyrood Kansas 67450-9021

ATTN: Jim Musgrove

6-18s-11w Barton

Hayden #1

Start Date: 2011.03.21 @ 03:15:00
End Date: 2011.03.21 @ 00:00:00
Job Ticket #: 15786 DST #: 2

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

Printed: 2011.03.28 @ 12:23:18

L.B.Exploration Hayden #1 6-18s-11w Barton DST # 2 Kansas City 2011.03.21



DRILL STEM TEST REPORT

L.B.Exploration
 2135 2nd Road
 Holyrood Kansas 67450-9021
 ATTN: Jim Musgrove

Hayden #1
6-18s-11w Barton
 Job Ticket: 15786 **DST#: 2**
 Test Start: 2011.03.21 @ 03:15:00

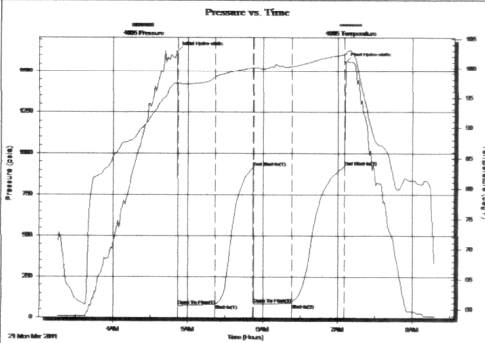
GENERAL INFORMATION:

Formation: Kansas City	Test Type: Conventional Bottom Hole (Initial)
Deviated: No Whipstock: ft (KB)	Tester: Gene Budig
Time Tool Opened: 00:00:00	Unit No: 3335-39
Time Test Ended: 00:00:00	Reference Elevations: 1842.00 ft (KB)
Interval: 3201.00 ft (KB) To 3300.00 ft (KB) (TVD)	1835.00 ft (CF)
Total Depth: 3300.00 ft (KB) (TVD)	KB to GR/CF: 7.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Fair

Serial #: 4005 Inside

Press@RunDepth: 918.17 psia @ 3296.11 ft (KB)	Capacity: 5000.00 psia
Start Date: 2011.03.21	Last Calib.: 2011.03.21
Start Time: 03:15:30	End Date: 08:18:30
End Time: 08:18:30	Time On Btm: 2011.03.21 @ 04:51:00
	Time Off Btm: 2011.03.21 @ 07:06:30

TEST COMMENT: 1st Opening 30 Minutes weak blow for 23 minutes and died
 1st Shut-In 30 Minutes-No blow back
 2nd Opening 30 Minutes-Weak blow for 7 minutes and died
 2nd Shut-In 45 Minutes -No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1625.61	97.48	Initial Hydro-static
1	71.08	97.53	Open To Flow (1)
31	79.93	98.42	Shut-In(1)
61	915.62	100.11	End Shut-In(1)
62	82.32	100.07	Open To Flow (2)
92	85.52	100.35	Shut-In(2)
135	918.17	102.33	End Shut-In(2)
136	1559.96	102.50	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Drilling mud	0.56

Gas Rates

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



DRILL STEM TEST REPORT

L.B.Exploration
 2135 2nd Road
 Holyrood Kansas 67450-9021
 ATTN: Jim Musgrove

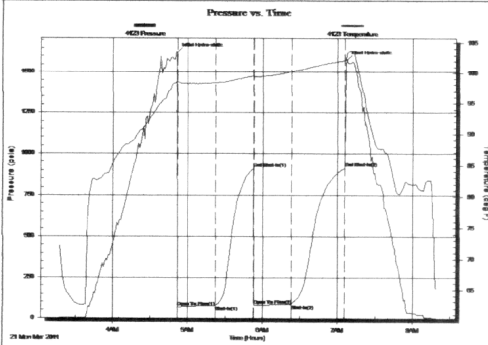
Hayden #1
6-18s-11w Barton
 Job Ticket: 15786 **DST#: 2**
 Test Start: 2011.03.21 @ 03:15:00

GENERAL INFORMATION:

Formation: **Kansas City**
 Deviated: No Whipstock: ft (KB)
 Test Type: Conventional Bottom Hole (Initial)
 Time Tool Opened: 00:00:00
 Tester: Gene Budig
 Time Test Ended: 00:00:00
 Unit No: 3335-39
 Interval: **3201.00 ft (KB) To 3300.00 ft (KB) (TVD)**
 Reference Elevations: 1842.00 ft (KB)
 Total Depth: 3300.00 ft (KB) (TVD)
 1835.00 ft (CF)
 Hole Diameter: 7.88 inches
 Hole Condition: Fair
 KB to GR/CF: 7.00 ft

Serial #: 4123 Outside
 Press@RunDepth: 915.55 psia @ 3297.11 ft (KB) Capacity: 5000.00 psia
 Start Date: 2011.03.21 End Date: 2011.03.21 Last Calib.: 2011.03.21
 Start Time: 03:17:30 End Time: 08:19:30 Time On Btm: 2011.03.21 @ 04:51:29
 Time Off Btm: 2011.03.21 @ 07:07:30

TEST COMMENT: 1st Opening 30 Minutes weak blow for 23 minutes and died
 1st Shut-In 30 Minutes-No blow back
 2nd Opening 30 Minutes-Weak blow for 7 minutes and died
 2nd Shut-In 45 Minutes -No blow back



PRESSURE SUMMARY

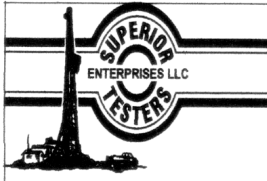
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1621.06	98.67	Initial Hydro-static
1	68.10	98.60	Open To Flow (1)
31	77.76	98.35	Shut-In(1)
62	913.40	99.44	End Shut-In(1)
62	78.85	99.41	Open To Flow (2)
92	84.85	100.26	Shut-In(2)
135	915.55	102.14	End Shut-In(2)
137	1576.89	103.10	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Drilling mud	0.56

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

L.B. Exploration
 2135 2nd Road
 Holyrood Kansas 67450-9021
 ATTN: Jim Musgrove

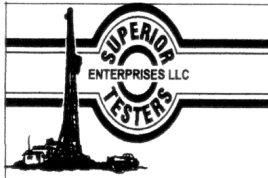
Hayden #1
6-18s-11w Barton
 Job Ticket: 15786 **DST#: 2**
 Test Start: 2011.03.21 @ 03:15:00

Tool Information

Drill Pipe:	Length: 3194.00 ft	Diameter: 3.80 inches	Volume: 44.80 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.86 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 54000.00 lb
			Total Volume: 44.80 bbl	Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 48000.00 lb
Depth to Top Packer:	3201.00 ft			Final 48000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	99.11 ft			
Tool Length:	120.11 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			3181.00	
Shut-In Tool	5.00			3186.00	
Hydroic Tool	5.00			3191.00	
Packer	5.00			3196.00	21.00 Bottom Of Top Packer
Packer	5.00			3201.00	
Perforations	5.00			3206.00	
Change Over Sub	0.75			3206.75	
Drill Pipe	60.61			3267.36	
Change Over Sub	0.75			3268.11	
Perforations	27.00			3295.11	
Recorder	1.00	4005	Inside	3296.11	
Recorder	1.00	4123	Outside	3297.11	
Bullnose	3.00			3300.11	99.11 Bottom Packers & Anchor
Total Tool Length:	120.11				



DRILL STEM TEST REPORT

FLUID SUMMARY

L.B.Exploration

Hayden #1

2135 2nd Road
Holyrood Kansas 67450-9021

6-18s-11w Barton

Job Ticket: 15786

DST#: 2

ATTN: Jim Musgrove

Test Start: 2011.03.21 @ 03:15:00

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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.29 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 3800.00 ppm			
Filter Cake: 1.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	Drilling mud	0.561

Total Length: 40.00 ft Total Volume: 0.561 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

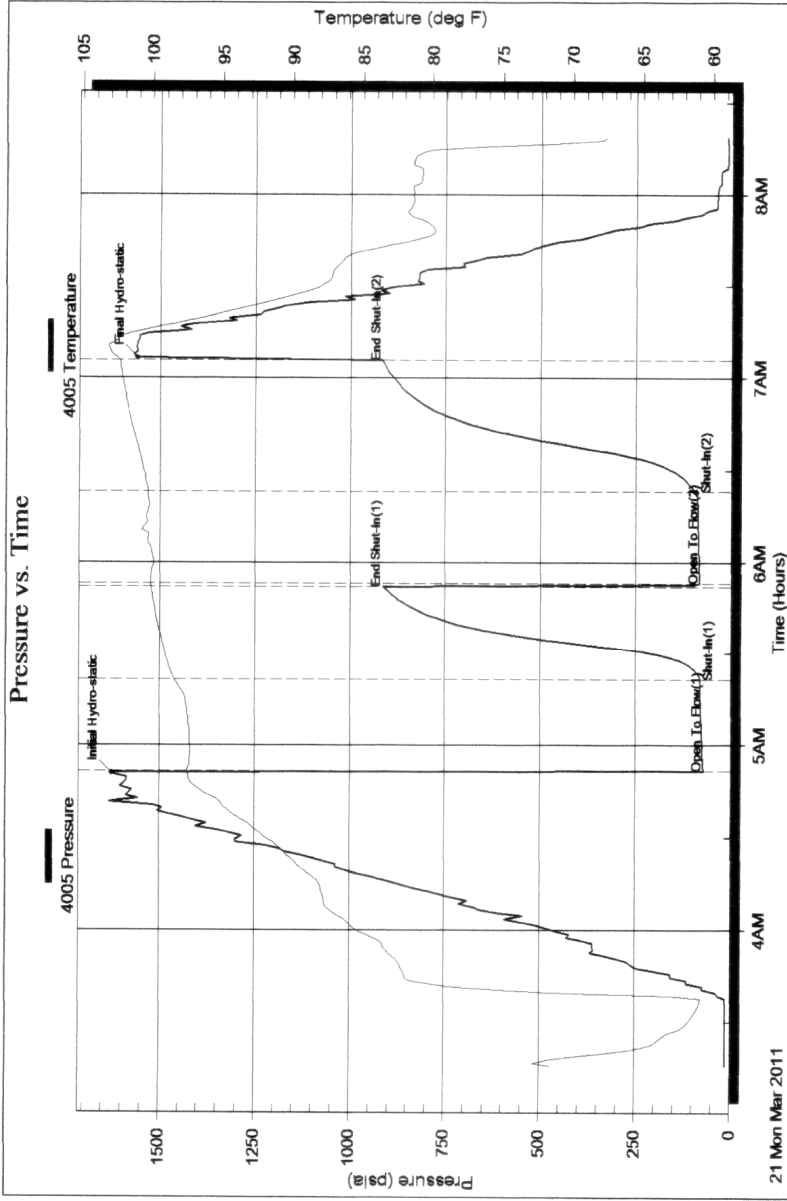
Recovery Comments:

DST Test Number: 2

6-18s-11w Barton

Inside L.B.Exploration

Serial #: 4005



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Ref. No: 15786

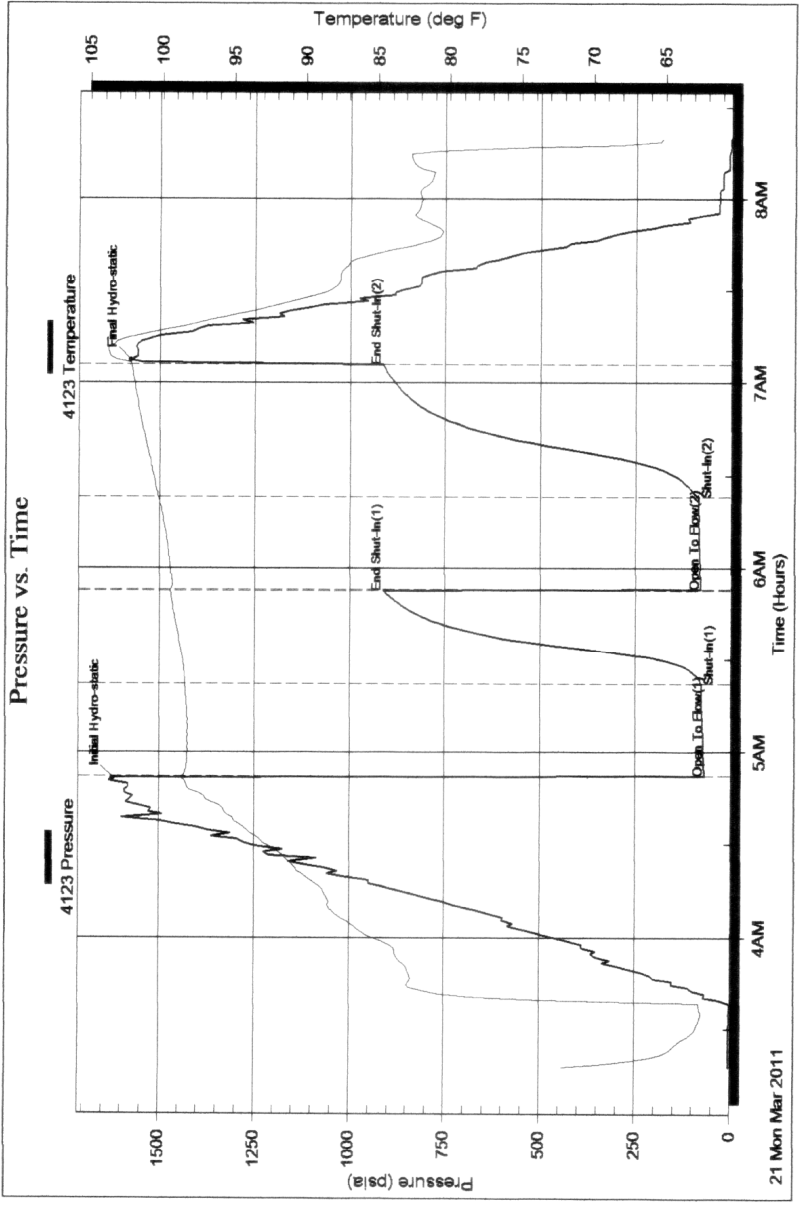
Superior Testers Enterprises LLC

Serial #: 4123

Outside L.B.Exploration

6-18s-11w Barton

DST Test Number: 2



21 Mon Mar 2011

Ref. No: 15786

Superior Testers Enterprises LLC

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