



KANSAS CORPORATION COMMISSION 1062552
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 # _____

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: _____



1062552

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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Comanche Resources Company
Well Name	BONTRAGER 33-1
Doc ID	1062552

All Electric Logs Run

ARRAY INDUCTION SHALLOW FOCUSED
COMPACT PHOTO DENSITY COMPENSATED NEUTRON
COMPENSATED SONIC
MICRORESISTIVITY

**BASIC**ENERGY SERVICES
Liberal, Kansas**Cement Report**

Customer	<i>Centracor Exploration</i>	Lease No.		Date	<i>5-30-11</i>
Lease	<i>Bentley</i>	Well #	<i>33-1</i>	Service Receipt	<i>171701761</i>
Casing	<i>8 3/4</i>	Depth	<i>395</i>	County	<i>Scott</i>
Job Type	<i>2 1/2 Surface</i>	Formation		Legal Description	<i>33 19 34</i>

Pipe Data		Perforating Data		Cement Data
Casing size	Tubing Size	Shots/Ft		Lead
<i>8 3/4 2 1/2</i>		From	To	
Depth	Depth	From	To	
<i>395 ft</i>				
Volume	Volume	From	To	
	<i>500</i>			
Max Press	Max Press	From	To	Tail in <i>275 ft from top</i>
Well Connection	Annulus Vol.	From	To	<i>2800 - 74 Rev Make</i>
Plug Depth	Packer Depth	From	To	<i>1.54 ft Rev Make @ 14.5 ft</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>12:30</i>					<i>on loc. / Hold Safety Meeting</i>
<i>12:30</i>					<i>Rig Running Csg</i>
<i>00:40</i>					<i>Csg on Bottom</i>
<i>01:15</i>	<i>2000</i>				<i>Test Pump + Lines</i>
<i>01:16</i>	<i>250</i>		<i>5</i>	<i>4</i>	<i>Start Fresh H₂O</i>
<i>11:28</i>	<i>300</i>		<i>66</i>	<i>4.5</i>	<i>Start Cmt 275 ft @ 14.5"</i>
<i>01:36</i>	<i>300</i>		<i>0</i>	<i>5</i>	<i>Start Disp. w/ Fresh H₂O</i>
<i>01:41</i>	<i>350</i>		<i>20</i>	<i>2</i>	<i>Stop Rate</i>
<i>01:48</i>	<i>700</i>		<i>22.5</i>	<i>0</i>	<i>Shut down + Shut in Well</i>
<i>01:00</i>					<i>End Job</i>
					<i>Shut in well w/ 300 #</i>
					<i>Circulated CMT to the Cellar</i>

Service Units	<i>21955</i>	<i>2780510553</i>	<i>1935419578</i>		
Driver Names	<i>Carroll</i>	<i>Sutthard</i>	<i>Vesque Z</i>		

Jim Loumaster
Customer Representative

J. Bennett
Station Manager

M. P. ...
Cementer



BASIC
ENERGY SERVICES
Liberal, Kansas

Cement Report

Customer: Comanche Exploration	Lease No.:	Date: 6-8-11
Lease: Bortmaer	Well #: 33-1	Service Receipt: 01788
Casing: 5 1/2" 15.5	Depth: 1	County: Scott
State: KS	Job Type: 242- Two stage - DV, Production	Formation: 33-19-34
Legal Description:		

Pipe Data		Perforating Data		Cement Data
Casing size: 5 1/2" 15.5	Tubing Size:	Shots/Ft: 11/11/11		Lead:
Depth: 5099'	Depth:	From:	To:	
Volume: 120.4 bbl	Volume:	From:	To:	
Max Press: 2000#	Max Press:	From:	To:	Tail in:
Well Connection:	Annulus Vol.:	From:	To:	
Plug Depth: 5059'	Packer Depth: DV Tool - 2312'	From:	To:	

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
3:00pm					on loc.-site assessment (start reg)
6:00pm					spot trucks - rig up
7:00pm					safety meeting
7:00pm					assembly in break circ. 1hr.
8:00pm					pressure test 2500#
8:05			5	4	start pumping 5 bbl H ₂ O spacer
8:10			12	4	pump 12 bbl superflush
8:15			5	4	pump 5 bbl H ₂ O spacer
8:15			69	5	mix + pump 250 sk AA2 w/ 5% latex, 10% salt, 16% C-15 5# Gilsomil, 1# Doframer
					1.54 ft ³ /sk, 6.66 gal/sk @ 14.8 #
					drop plug, wash pumping lines
8:30	400		0	6	disp 120.4 bbl total
					60 bbl H ₂ O, 60.4 mud
9:00	1500#		170	0	land table down plug
9:15	2000#				open DV tool @ 2000#
					circ w/ rig
12:00			13	3	plug cut mouse holes w/ 50 sk
12:30			262	5	mix + pump lead cut 500 sk
					A-Con w/ 3% CC, 1# poly flake, 2% WCA 1
					2.95 ft ³ /sk, 18.10 gal/sk @ 11.4 #
12:45			1213	215	mix + pump tail cut 50 sk
			2359		Premium Plus w/ 2% CC, 1# poly flake

Service Units:	8.15 11
Driver Names:	30 Cement/Cementing - paid

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



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

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

Sam Brownback, Governor

August 31, 2011

CARRIE RENNER
Comanche Resources Company
6520 N WESTERN AVE STE 300
OKLAHOMA CITY, OK 73116-7334

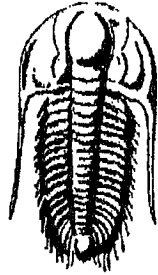
Re: ACO1
API 15-171-20798-00-00
BONTRAGER 33-1
W/2 Sec.33-19S-34W
Scott County, Kansas

Dear Production Department:

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

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

Respectfully,
CARRIE RENNER



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **Comanche Resources Company LLC**

6520 N Western Ave. Ste300
Oklahoma City, OK 73116

ATTN: Sean Deenihan

33-19-34w-Scott,KS

Bontrager 33-1

Start Date: 2011.06.03 @ 11:56:15

End Date: 2011.06.03 @ 19:39:00

Job Ticket #: 041224 DST #: 1

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

ORIGINAL

Printed: 2011.06.09 @ 16:48:21 Page 1

Comanche Resources Company LLC

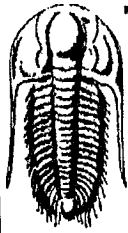
Bontrager 33-1

33-19-34w-Scott,KS

DST # 1

Lansing

2011.06.03



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Comanche Resources Company LLC

Bontrager 33-1

6520 N Western Ave. Ste 300
Oklahoma City, OK 73116

33-19-34w-Scott, KS

Job Ticket: 041224

DST#: 1

ATTN: Sean Deenihan

Test Start: 2011.06.03 @ 11:56:15

GENERAL INFORMATION:

Formation: **Lansing**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 14:11:30
 Time Test Ended: 19:39:00

Test Type: Conventional Bottom Hole
 Tester: Mike Roberts
 Unit No: 48

Interval: **4230.00 ft (KB) To 4302.00 ft (KB) (TVD)**
 Total Depth: 4302.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 3075.00 ft (KB)
 3064.00 ft (CF)
 KB to GR/CF: 11.00 ft

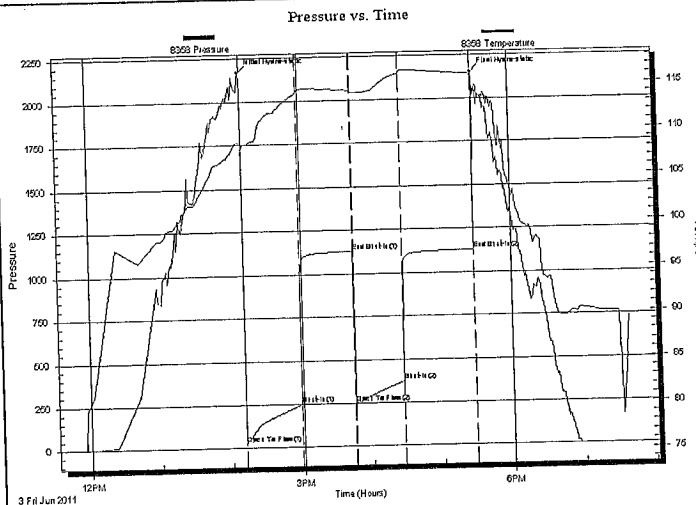
Serial #: 8358

Outside

Press@RunDepth: 374.30 psig @ 4297.00 ft (KB)
 Start Date: 2011.06.03 End Date: 2011.06.03
 Start Time: 11:56:00 End Time: 19:38:45

Capacity: 8000.00 psig
 Last Calib.: 2011.06.03
 Time On Btm: 2011.06.03 @ 14:10:15
 Time Off Btm: 2011.06.03 @ 17:28:45

TEST COMMENT: IF:BOB in 15 min.
 IS:No return blow
 FF:BOB in 23 min.
 FS:No return blow



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2169.34	108.85	Initial Hydro-static
1	23.24	107.94	Open To Flow (1)
49	249.24	114.10	Shut-In(1)
95	1128.72	114.32	End Shut-In(1)
95	251.65	114.13	Open To Flow (2)
137	374.30	116.12	Shut-In(2)
198	1128.76	115.97	End Shut-In(2)
199	2154.17	115.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
360.00	mcw 20% m 80% w	2.90
372.00	w cm 10% w 90% m	5.22

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Comanche Resources Company LLC

Bontrager 33-1

6520 N Western Ave. Ste 300
Oklahoma City, OK 73116

33-19-34w-Scott, KS

Job Ticket: 041224

DST#: 1

ATTN: Sean Deenihan

Test Start: 2011.06.03 @ 11:56:15

Tool Information

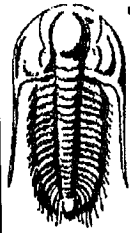
Drill Pipe:	Length: 3981.00 ft	Diameter: 3.80 inches	Volume: 55.84 bbl	Tool Weight: 1500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 236.00 ft	Diameter: 2.25 inches	Volume: 1.16 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 57.00 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	15.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4230.00 ft			Final 65000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	72.00 ft			
Tool Length:	100.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4203.00	
Shut In Tool	5.00			4208.00	
Hydraulic tool	5.00			4213.00	
Jars	5.00			4218.00	
Safety Joint	3.00			4221.00	
Packer	5.00			4226.00	28.00 Bottom Of Top Packer
Packer	4.00			4230.00	
Stubb	1.00			4231.00	
Perforations	1.00			4232.00	
Change Over Sub	1.00			4233.00	
Drill Pipe	63.00			4296.00	
Change Over Sub	1.00			4297.00	
Recorder	0.00	8358	Outside	4297.00	
Recorder	0.00	6669	Outside	4297.00	
Bullnose	5.00			4302.00	72.00 Bottom Packers & Anchor

Total Tool Length: 100.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Comanche Resources Company LLC

Bontrager 33-1

6520 N Western Ave. Ste 300
Oklahoma City, OK 73116

33-19-34w-Scott, KS

Job Ticket: 041224

DST#: 1

ATTN: Sean Deenihan

Test Start: 2011.06.03 @ 11:56:15

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 0 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: 25000 ppm
Viscosity: 47.00 sec/qt	Cushion Volume: bbl	
Water Loss: 5.98 in ³	Gas Cushion Type:	
Resistivity: 0.00 ohm.m	Gas Cushion Pressure: psig	
Salinity: 5200.00 ppm		
Filter Cake: 1.00 inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
360.00	mcw 20% m 80% w	2.900
372.00	w cm 10% w 90% m	5.218

Total Length: 732.00 ft Total Volume: 8.118 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: RW= .234@92.9=25000 ppm

DST Test Number: 1

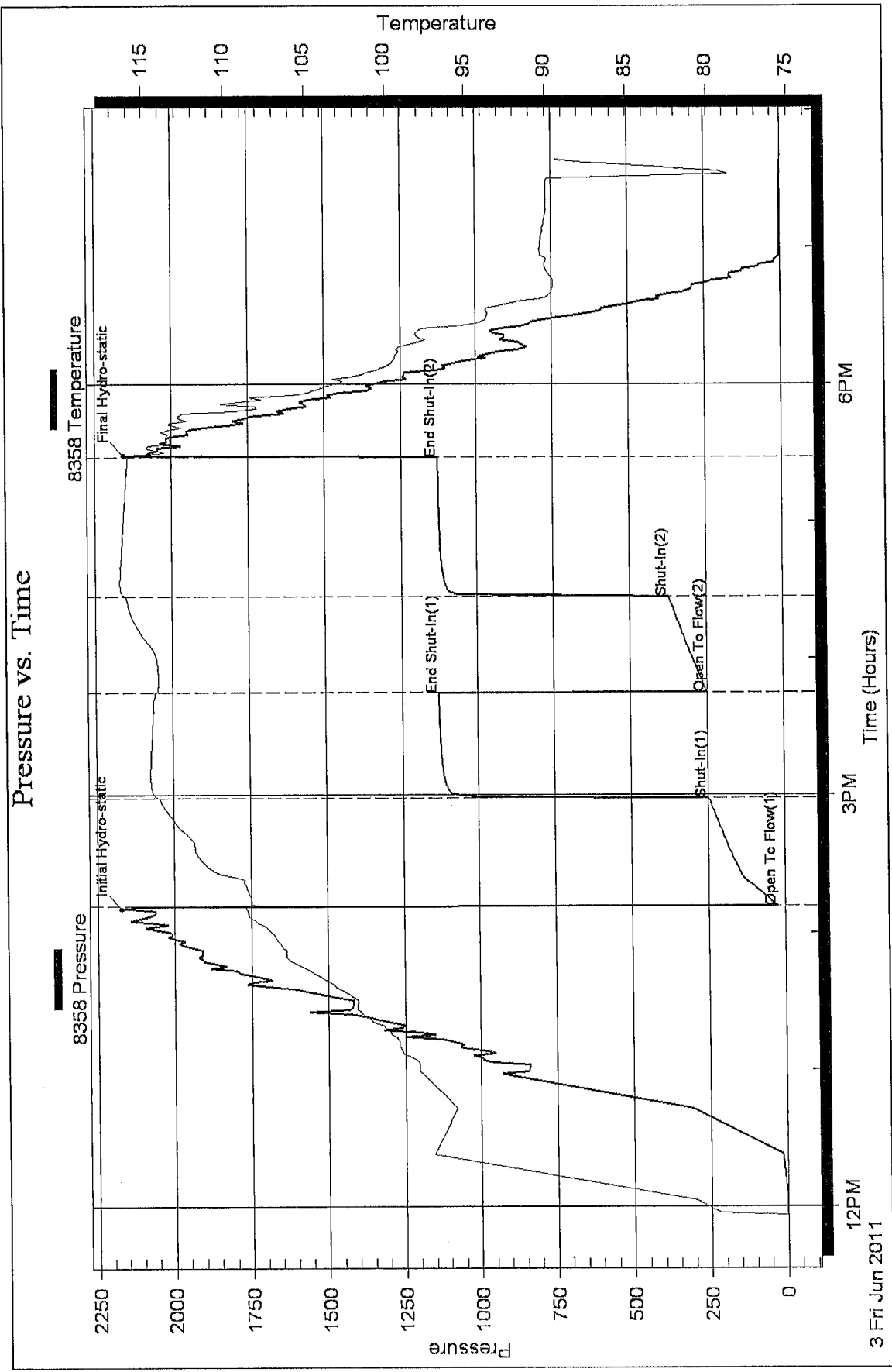
33-19-34w -Scott, KS

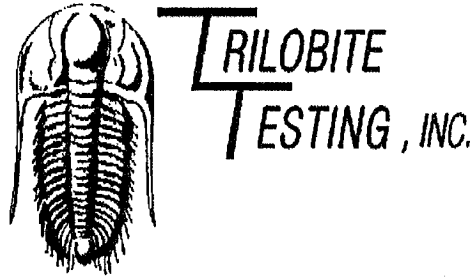
Comanche Resources Company LLC

Outside

Serial #: 8358

Pressure vs. Time





DRILL STEM TEST REPORT

Prepared For: **Comanche Resources Company LLC**

6520 N Western Ave. Ste300
Oklahoma City, OK 73116

ATTN: Sean Deenihan

33-19-34w-Scott,KS

Bontrager 33-1

Start Date: 2011.06.04 @ 18:52:15

End Date: 2011.06.05 @ 03:00:45

Job Ticket #: 041225 DST #: 2

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Comanche Resources Company LLC

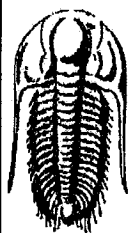
Bontrager 33-1

33-19-34w-Scott,KS

DST # 2

Pawnee

2011.06.04



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Comanche Resources Company LLC

Bontrager 33-1

6520 N Western Ave. Ste 300
Oklahoma City, OK 73116

33-19-34w-Scott, KS

Job Ticket: 041225

DST#: 2

ATTN: Sean Deenihan

Test Start: 2011.06.04 @ 18:52:15

Tool Information

Drill Pipe:	Length: 4291.00 ft	Diameter: 3.80 inches	Volume: 60.19 bbl	Tool Weight: 1500.00 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: 236.00 ft	Diameter: 2.25 inches	Volume: 1.16 bbl	Weight to Pull Loose: 80000.00 lb
		Total Volume:	61.35 bbl	Tool Chased 5.00 ft
Drill Pipe Above KB:	6.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4549.00 ft			Final 61000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	37.00 ft			
Tool Length:	65.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4522.00	
Shut In Tool	5.00			4527.00	
Hydraulic tool	5.00			4532.00	
Jars	5.00			4537.00	
Safety Joint	3.00			4540.00	
Packer	5.00			4545.00	28.00 Bottom Of Top Packer
Packer	4.00			4549.00	
Stubb	1.00			4550.00	
Perforations	31.00			4581.00	
Recorder	0.00	8358	Outside	4581.00	
Recorder	0.00	6669	Outside	4581.00	
Bullnose	5.00			4586.00	37.00 Bottom Packers & Anchor

Total Tool Length: 65.00



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Comanche Resources Company LLC
 6520 N Western Ave. Ste300
 Oklahoma City, OK 73116
 ATTN: Sean Deenihan

Bontrager 33-1
33-19-34w-Scott,KS
 Job Ticket: 041225 **DST#: 2**
 Test Start: 2011.06.04 @ 18:52:15

GENERAL INFORMATION:

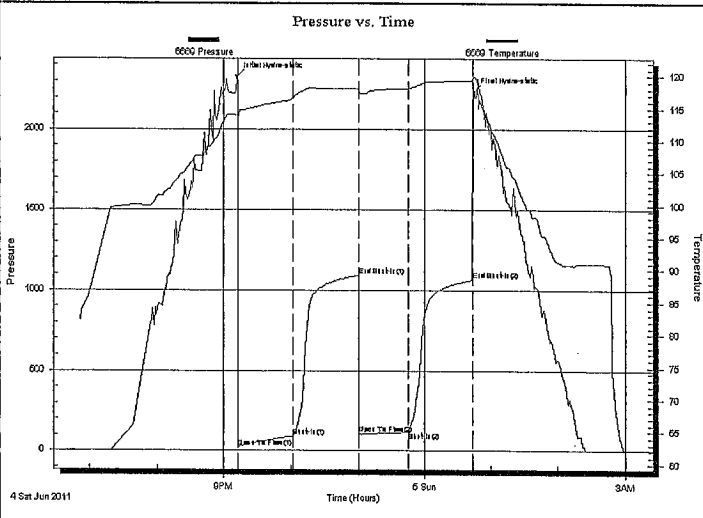
Formation: **Pawnee**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:12:30
 Time Test Ended: 03:00:45
 Interval: **4549.00 ft (KB) To 4586.00 ft (KB) (TVD)**
 Total Depth: 4586.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Mike Roberts
 Unit No: 48
 Reference Elevations: 3075.00 ft (KB)
 3064.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 6669

Outside

Press@RunDepth: 117.77 psig @ 4581.00 ft (KB)
 Start Date: 2011.06.04 End Date: 2011.06.05
 Start Time: 18:52:15 End Time: 03:00:45
 Capacity: 8000.00 psig
 Last Calb.: 2011.06.05
 Time On Btm: 2011.06.04 @ 21:11:30
 Time Off Btm: 2011.06.05 @ 00:45:00

TEST COMMENT: IF:BOB in 18 min
 IS:Weak surface return blow
 FF:BOB in 13 min.
 FS:Return blow built to 1"



PRESSURE SUMMARY

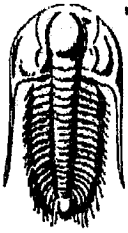
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2325.35	113.96	Initial Hydro-static
1	18.98	113.66	Open To Flow (1)
50	90.05	116.65	Shut-In(1)
109	1089.96	118.06	End Shut-In(1)
110	102.92	117.69	Open To Flow (2)
154	117.77	118.15	Shut-In(2)
212	1062.94	119.28	End Shut-In(2)
214	2231.66	119.90	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
236.00	mco 10% m 40% g 50% o	1.16
62.00	mco 10% m 20% g 70% o	0.87

Gas Rates

	Choke (Inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Comanche Resources Company LLC

Bontrager 33-1

6520 N Western Ave. Ste300
Oaklahoma City, OK 73116

33-19-34w-Scott,KS

Job Ticket: 041225

DST#: 2

ATTN: Sean Deenihan

Test Start: 2011.06.04 @ 18:52:15

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

0 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

0 ppm

Viscosity: 45.00 sec/qt

Cushion Volume:

bbf

Water Loss: 5.99 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5600.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbf
236.00	mcgo 10%m 40%g 50%o	1.161
62.00	mcgo 10%m 20%g 70%o	0.870

Total Length: 298.00 ft Total Volume: 2.031 bbf

Num Fluid Samples: 0

Num Gas Bombs: 0

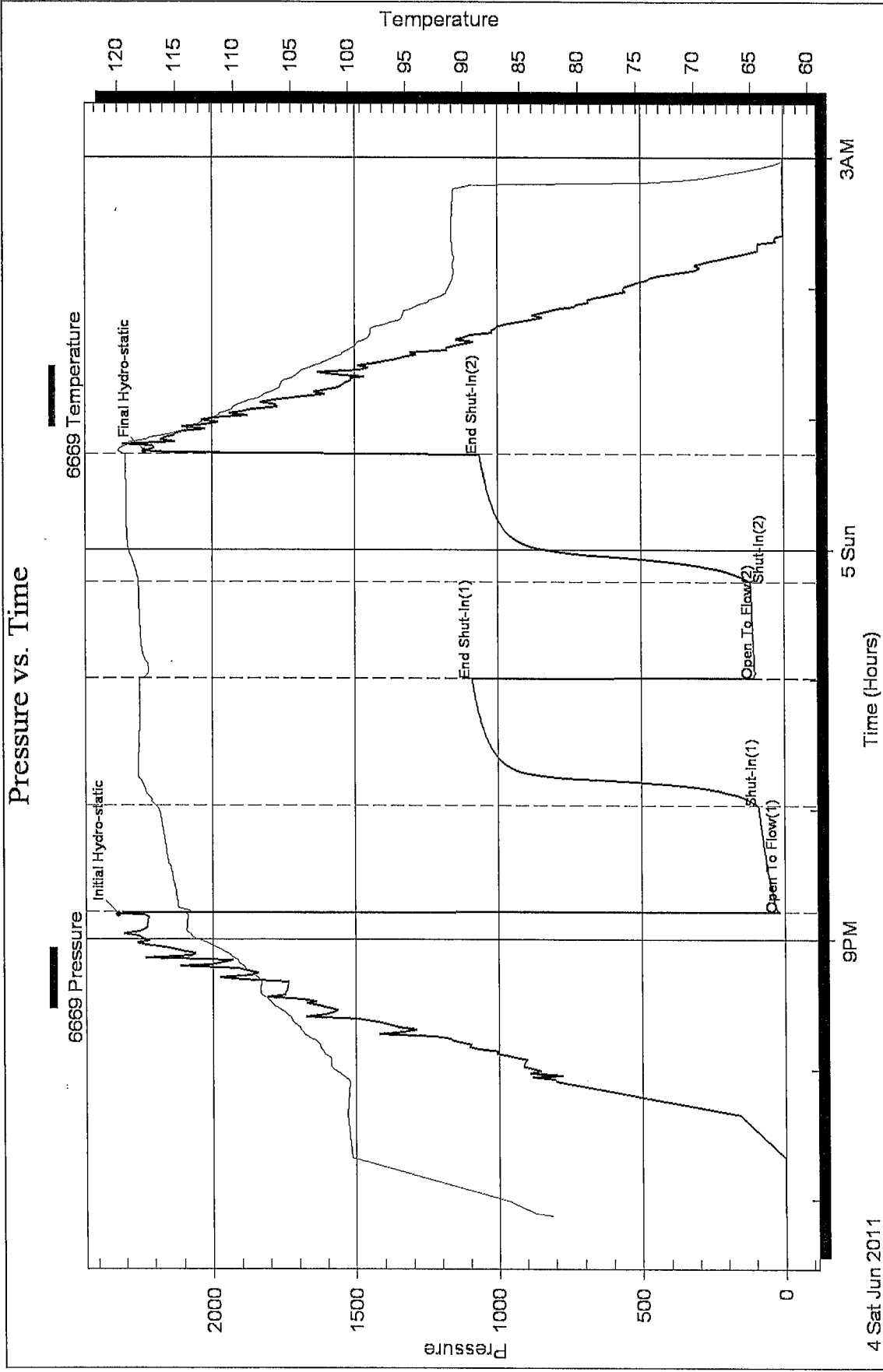
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time



Sean Deenihan

Petroleum Geologists

15-171-20798

GEOLOGIST'S REPORT DRILLING TIME AND SAMPLE LOG

COMPANY <u>Comanche Resources Co. LLC</u> LEASE <u>Bontrager #33-1</u> FIELD <u>Wildcat</u> LOCATION <u>2640' FSL & 780' FEL</u> SEC <u>33</u> TWSP <u>19S</u> RGE <u>34W</u> COUNTY <u>Scott</u> STATE <u>Kansas</u> CONTRACTOR <u>Murfin Drilling Co., Inc. Rig #22</u> SPUD <u>5/30/2011</u> COMP <u>6/7/2011</u> RTD <u>5104'</u> LTD <u>5109'</u> MUD UP <u>3000'</u> TYPE MUD <u>Chemical</u>		ELEVATIONS KB <u>3075'</u> DF _____ GL <u>3064'</u> Measurements Are All From <u>Kelly Bushing</u>																																									
SAMPLES SAVED FROM <u>3900'</u> TO <u>RTD</u> DRILLING TIME KEPT FROM <u>3800'</u> TO <u>RTD</u> SAMPLES EXAMINED FROM <u>3900'</u> TO <u>RTD</u> GEOLOGICAL SUPERVISION FROM <u>3900'</u> REFERENCE WELL <u>ROE - Harkness #1-4</u>		CONDUCTOR _____ SURFACE <u>8-5/8" @393'</u> PRODUCTION <u>5.5" @5100'</u>																																									
Formation <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Formation</th> <th>Sample Tops</th> <th>E-Log Tops</th> <th>Struct Pos.</th> </tr> </thead> <tbody> <tr> <td>Anhydrite</td> <td>2287 (-788)</td> <td>2290 (+785)</td> <td>-14</td> </tr> <tr> <td>Hebner Sh</td> <td>3954 (-879)</td> <td>3957 (-880)</td> <td>-3</td> </tr> <tr> <td>Lansing</td> <td>3999 (-924)</td> <td>4003 (-928)</td> <td>-1</td> </tr> <tr> <td>Stark Sh</td> <td>4307 (-1232)</td> <td>4300 (-1225)</td> <td>16</td> </tr> <tr> <td>Marmaton</td> <td>4465 (-1390)</td> <td>4478 (-1478)</td> <td>-2</td> </tr> <tr> <td>Pawnee</td> <td>4560 (-1485)</td> <td>4565 (-1490)</td> <td>-7</td> </tr> <tr> <td>Cherokee Sh</td> <td>4596 (-1521)</td> <td>4603 (-1528)</td> <td>-1</td> </tr> <tr> <td>Morrow Sh</td> <td>4784 (-1709)</td> <td>4787 (-1712)</td> <td>7</td> </tr> <tr> <td>Miss (St. Gen)</td> <td>4853 (-1778)</td> <td>4850 (-1775)</td> <td>30</td> </tr> </tbody> </table>		Formation	Sample Tops	E-Log Tops	Struct Pos.	Anhydrite	2287 (-788)	2290 (+785)	-14	Hebner Sh	3954 (-879)	3957 (-880)	-3	Lansing	3999 (-924)	4003 (-928)	-1	Stark Sh	4307 (-1232)	4300 (-1225)	16	Marmaton	4465 (-1390)	4478 (-1478)	-2	Pawnee	4560 (-1485)	4565 (-1490)	-7	Cherokee Sh	4596 (-1521)	4603 (-1528)	-1	Morrow Sh	4784 (-1709)	4787 (-1712)	7	Miss (St. Gen)	4853 (-1778)	4850 (-1775)	30	CASING ELECTRICAL SURVEYS CND, DIL, MICRO, Sonic Weatherford	
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REMARKS The Bontrager #33-1 will be further evaluated through casing based on sample, log, and DST analysis.

15-171-20798 Respectfully Submitted,

Sean Deenihan

Curve Track 1 ROP (Min/Ft) _____ Gamma (API) _____	Geological Descriptions	Engineering Data TG (Units) _____
Depth	Lithology	

