

1105296

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 ☐ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☐ No

Cores Taken ☐ Yes ☐ No

Electric Log Run ☐ Yes ☐ No

Electric Log Submitted Electronically ☐ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

☐ Log Formation (Top), Depth and Datum ☐ Sample
Name Top Datum

CASING RECORD ☐ New ☐ 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 (Amount and Kind of Material Used)	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

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: ☐ Open Hole ☐ Perf. ☐ Dually Comp. (Submit ACO-5) ☐ Commingled (Submit ACO-4) ☐ Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Carrie Exploration & Development, a General Partnership
Well Name	James C-1
Doc ID	1105296

Tops

Name	Top	Datum
HEEBNER SHALE	2941	-1190
DOUGLAS SHALE	2980	-1229
BROWN LIME	3081	-1330
LKC	3110	-1359
BKC	3380	-1629
VIOLA	3466	-1715
SIMPSON SHALE	3488	-1737
ARBUCKLE	3554	-1803

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	CARRIE EXPLORATION & DEVELOPMENT	Job Number	M447
Well Name	JAMES #C-1	Representative	MIKE COCHRAN
Unique Well ID	DST#1 3092-3155 LKC A-C	Well Operator	CARRIE EXPLORATION & DEVELOPMENT
Surface Location	SEC.3-22S-10W RENO CO.KS.	Report Date	2012/12/18
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	HERB DEINES
	Test Unit		NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#1 3092-3155 LKC A-C		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2012/12/18	Start Test Time	14:20:00
Final Test Date	2012/12/18	Final Test Time	19:50:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

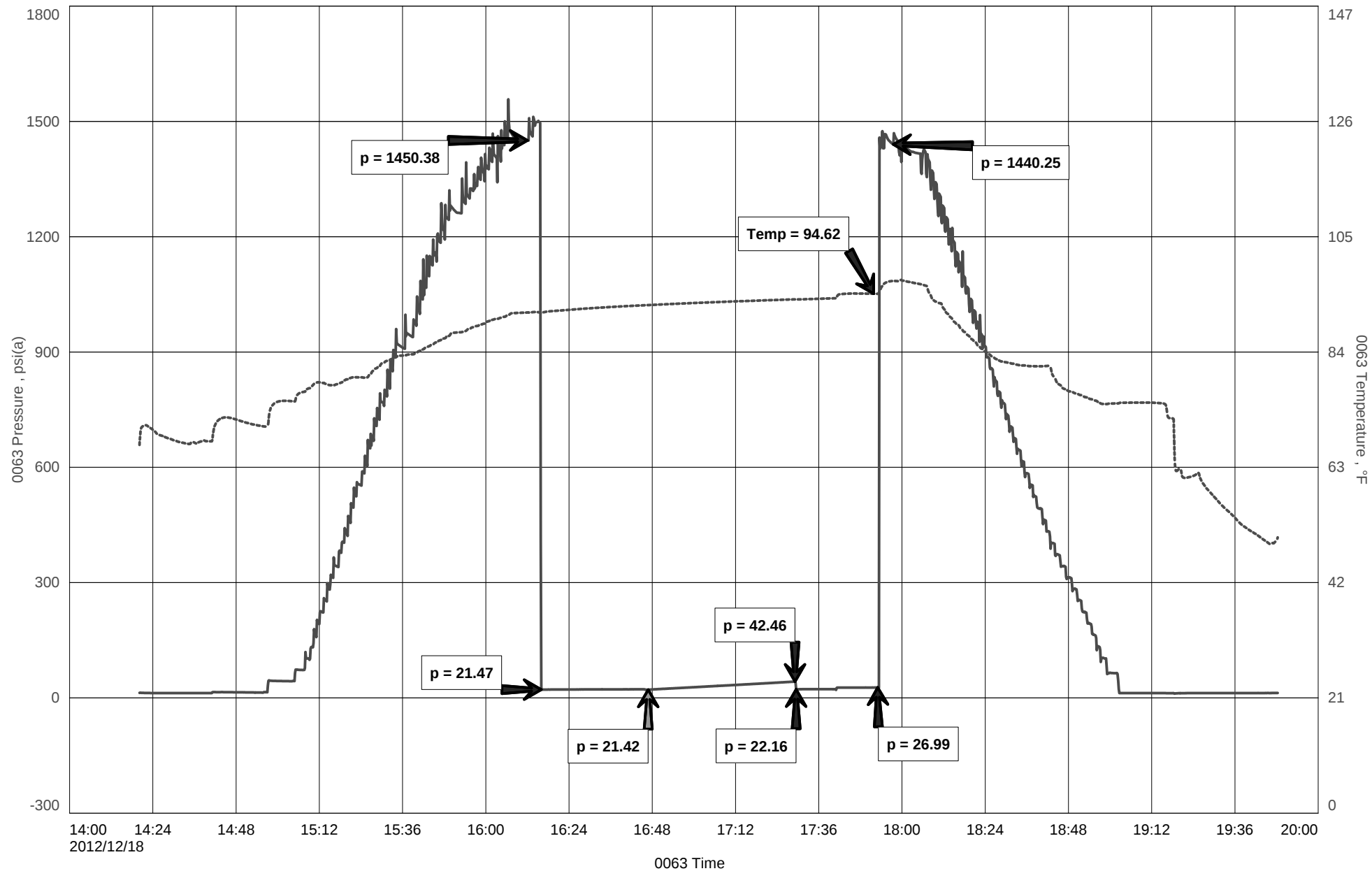
Remarks RECOVERED:
10' DM 100% MUD
10' TOTAL FLUID

TOOL SAMPLE: DRLG MUD W/ SOME (5) SPOTS OF OIL & SLIGHT GASSY ODOR

CARRIE EXPLORATION & DEVELOPMENT, A GENERAL PARTNERSHIP
DST#1 3092-3155 LKC A-C
Start Test Date: 2012/12/18
Final Test Date: 2012/12/18

JAMES #C-1
Formation: DST#1 3092-3155 LKC A-C
Pool: WILDCAT
Job Number: M447

JAMES #C-1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: _____

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size **6 3/4** in. Packer depth _____ ft. Size **6 3/4** in.
Packer Depth _____ ft. Size **6 3/4** in. Packer depth _____ ft. Size **6 3/4** in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. **2 1/4** in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. **2 7/8** in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. **3 1/2** in.
Jars: Make **STERLING** Serial Number _____ Test Tool Length _____ ft. Tool Size **3 1/2-IF** in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size **4 1/2-FH** in.
Main Hole Size **7 7/8** Tool Joint Size **4 1/2** in. Surface Choke Size **1** in. Bottom Choke Size **5/8** in.

Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

Time Set Packer(s) _____ A.M. _____ P.M. Time Started Off Bottom _____ A.M. _____ P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ P.S.I.

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	CARRIE EXPLORATION & DEVELOPMENT	Job Number	M448
Well Name	JAMES #C-1	Representative	MIKE COCHRAN
Unique Well ID	DST#2 3154-3220 L/KC D-G	Well Operator	CARRIE EXPLORATION & DEVELOPMENT
Surface Location	SEC.3-22S-10W RENO CO.KS.	Report Date	2012/12/19
Field	WILDCAT	Prepared By	MIKE COCHRAN
Well Type	Vertical	Qualified By	HERB DEINES
	Test Unit		NO. 1

Test Information

Test Type	CONVENTIONAL		
Formation	DST#2 3154-3220 L/KC D-G		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2012/12/19	Start Test Time	04:20:00
Final Test Date	2012/12/19	Final Test Time	11:05:00
		Well Fluid Type	01 Oil
Gauge Name	0063		
Gauge Serial Number			

Test Results

Remarks RECOVERED:
1285' GMW 2% GAS, 95% WTR 3% MUD (1161' DP, 124' DC)
1285' TOTAL FLUID

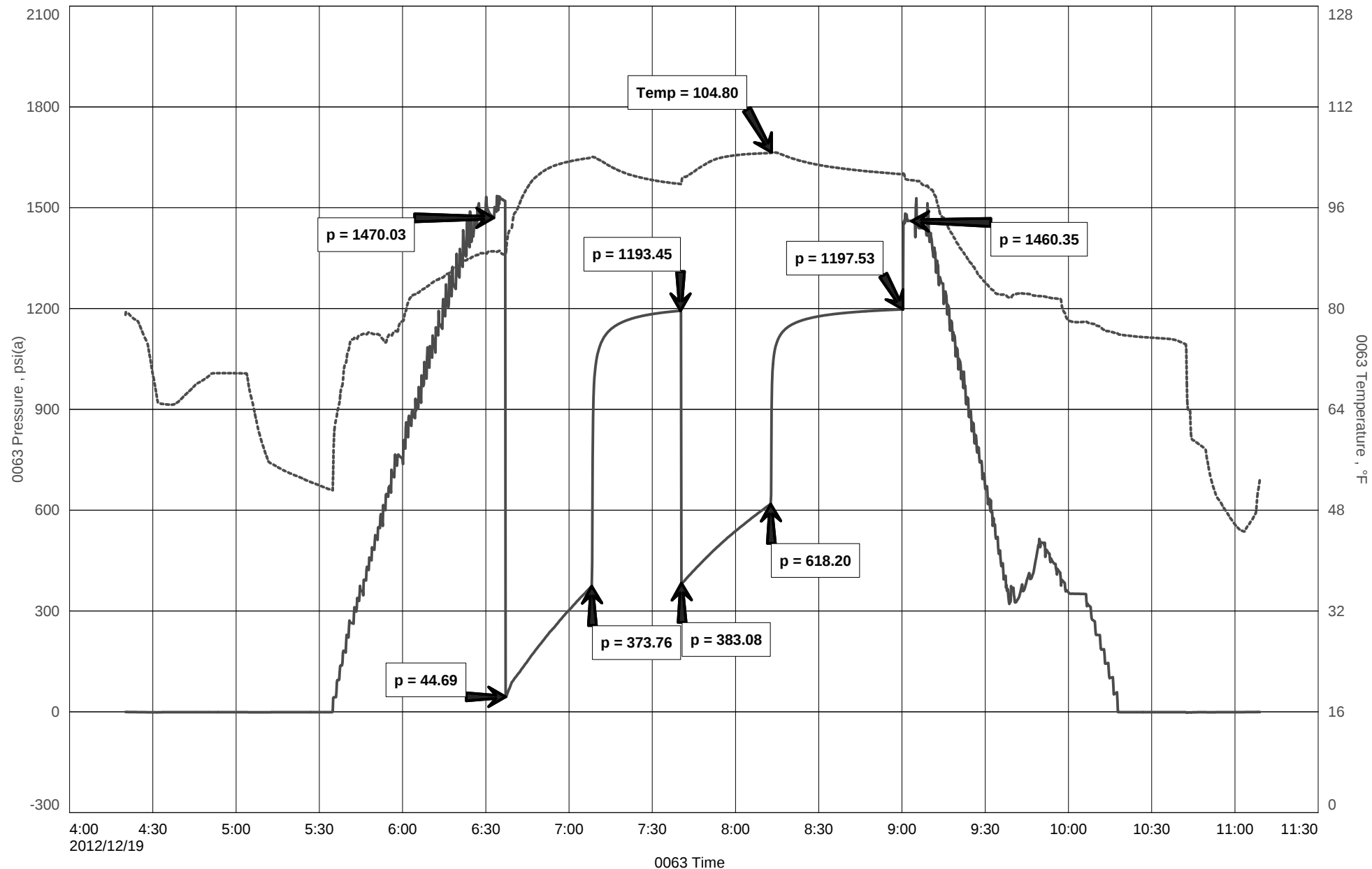
CHLOR: 57,000 PPM
PH:7.0
RW: 0.16 @ 55 DEG

TOOL SAMPLE: WTR W/ SOME SPOTS OF OIL% GASSY BUBBLES

CARRIE EXPLORATION & DEVELOPMENT, A GENERAL PARTNERSHIP
DST#2 3154-3220 L/KC D-G
Start Test Date: 2012/12/19
Final Test Date: 2012/12/19

JAMES #C-1
Formation: DST#2 3154-3220 L/KC D-G
Pool: WILDCAT
Job Number: M448

JAMES #C-1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: _____

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size **6 3/4** in. Packer depth _____ ft. Size **6 3/4** in.
Packer Depth _____ ft. Size **6 3/4** in. Packer depth _____ ft. Size **6 3/4** in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. **2 1/4** in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. **2 7/8** in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. **3 1/2** in.
Jars: Make **STERLING** Serial Number _____ Test Tool Length _____ ft. Tool Size **3 1/2-IF** in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size **4 1/2-FH** in.
Main Hole Size **7 7/8** Tool Joint Size **4 1/2** in. Surface Choke Size **1** in. Bottom Choke Size **5/8** in.

Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

Time Set Packer(s) _____ A.M. _____ P.M. Time Started Off Bottom _____ A.M. _____ P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ P.S.I.

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DIAMOND TESTING

Pressure Survey Report

General Information

Company Name	CARRIE EXPLORATION & DEVELOPMENT, A GENERAL PARTNERSHIP	Job Number	
Well Name		JAMES #C-1	Representative
Unique Well ID	DST#3 3450-3530 VIOLA/SIMPSON DOLOMITE	Well Operator	CARRIE EXPLORATION & DEV
Surface Location	SEC.3-22S-10W RENO CO.KS.	Report Date	
Field	WILDCAT	Prepared By	
Well Type	Vertical	Qualified By	
		Test Unit	

Test Information

Test Type	CONVENTIONAL		
Formation	DST#3 3450-3530 VIOLA/SIMPSON DOLOMITE		
Test Purpose (AEUB)	Initial Test		
Start Test Date	2012/12/20	Start Test Time	
Final Test Date	2012/12/20	Final Test Time	
		Well Fluid Type	
Gauge Name	0063		
Gauge Serial Number			

Test Results

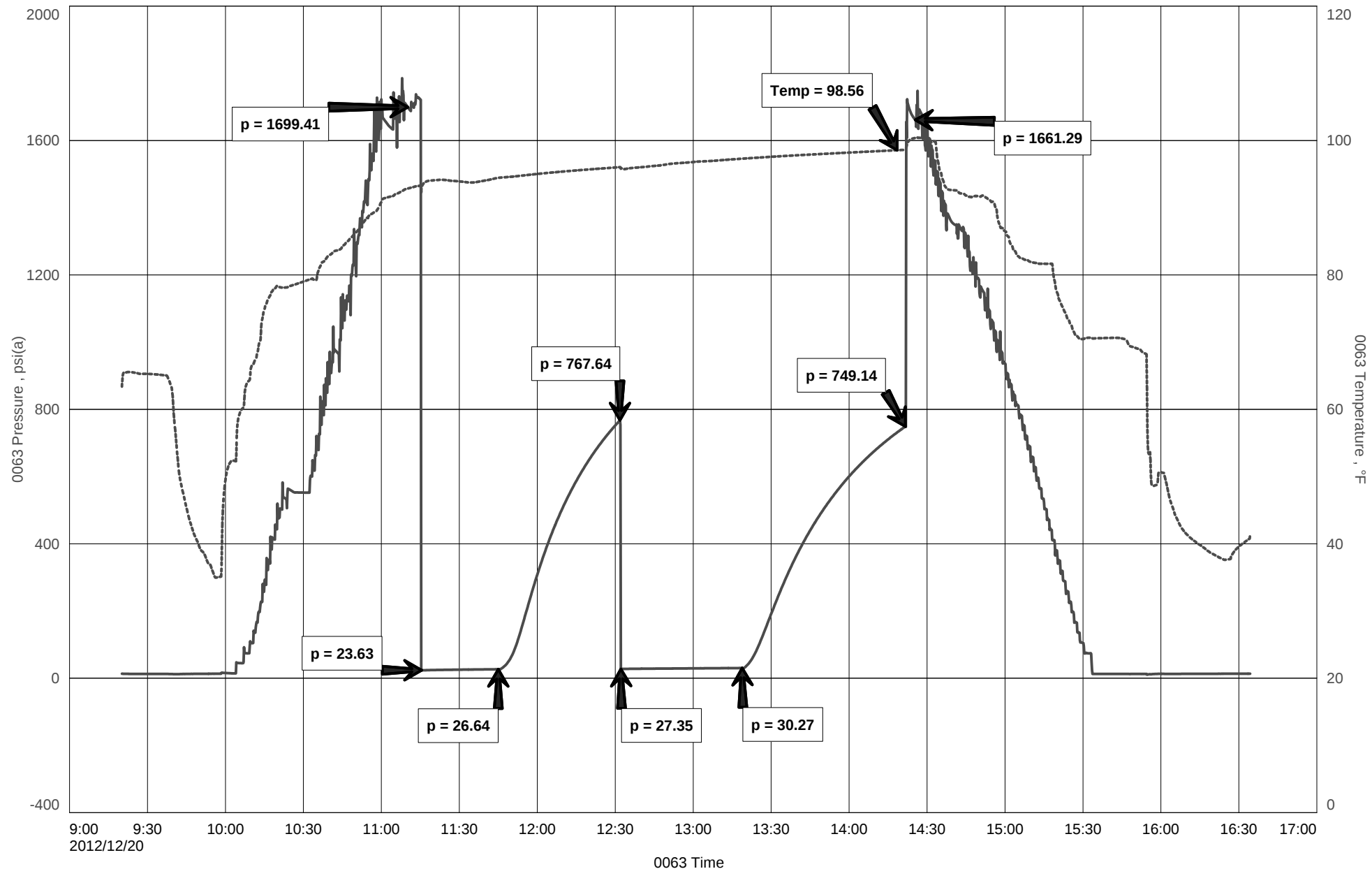
Remarks RECOVERED:
15' DM 100% MUD W/ SOME GASSY BUBBLES
15' TOTAL FLUID

TOOL SAMPLE: 100% DRLG MUD

CARRIE EXPLORATION & DEVELOPMENT, A GENERAL PARTNERSHIP
DST#3 3450-3530 VIOLA/SIMPSON DOLOMITE
Start Test Date: 2012/12/20
Final Test Date: 2012/12/20

JAMES #C-1
Formation: DST#3 3450-3530 VIOLA/SIMPSON DOLOMITE
Pool: WILDCAT
Job Number: M449

JAMES #C-1





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313
DRILL-STEM TEST TICKET
FILE: _____

TIME ON: _____
TIME OFF: _____

Company _____ Lease & Well No. _____
Contractor _____ Charge to _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ S Range _____ W County _____ State **KANSAS**
Test Approved By _____ Diamond Representative _____

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft.
Packer Depth _____ ft. Size **6 3/4** in. Packer depth _____ ft. Size **6 3/4** in.
Packer Depth _____ ft. Size **6 3/4** in. Packer depth _____ ft. Size **6 3/4** in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type _____ Viscosity _____ Drill Collar Length _____ ft. I.D. **2 1/4** in.
Weight _____ Water Loss _____ cc. Weight Pipe Length _____ ft. I.D. **2 7/8** in.
Chlorides _____ P.P.M. Drill Pipe Length _____ ft. I.D. **3 1/2** in.
Jars: Make **STERLING** Serial Number _____ Test Tool Length _____ ft. Tool Size **3 1/2-IF** in.
Did Well Flow? _____ Reversed Out _____ Anchor Length _____ ft. Size **4 1/2-FH** in.
Main Hole Size **7 7/8** Tool Joint Size **4 1/2** in. Surface Choke Size **1** in. Bottom Choke Size **5/8** in.

Blow: 1st Open: _____
2nd Open: _____

Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
	Total

Time Set Packer(s) _____ A.M. _____ P.M. Time Started Off Bottom _____ A.M. _____ P.M. Maximum Temperature _____
Initial Hydrostatic Pressure..... (A) _____ P.S.I.
Initial Flow Period..... Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period..... Minutes _____ (D) _____ P.S.I.
Final Flow Period..... Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period..... Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure..... (H) _____ P.S.I.

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OPERATOR

Company: CARRIE EXPLORATION AND DEVELOPMENT
Address: 210 W 22ND STREET
HAYS, KANSAS 67601

Contact Geologist: RON HEROLD
Contact Phone Nbr: 913-961-2760
Well Name: JOHN ROTH C-3
Location: S2 NW NW SW Sec.34-19s-11w API: 15-009-25,774-00-00
Pool: Field:
State: KANSAS Country: USA

Scale 1:240 Imperial

Well Name: JOHN ROTH C-3
Surface Location: S2 NW NW SW Sec.34-19s-11w
Bottom Location:
API: 15-009-25,774-00-00
License Number: 6768
Spud Date: 11/20/2012 Time: 2:00 PM
Region: BARTON COUNTY
Drilling Completed: 11/30/2012 Time: 4:43 AM
Surface Coordinates: 2230' FSL & 330' FWL
Bottom Hole Coordinates:
Ground Elevation: 1774.00ft
K.B. Elevation: 1782.00ft
Logged Interval: 2400.00ft To: 3430.00ft
Total Depth: 3430.00ft
Formation: LANSING-KANSAS CITY
Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: Latitude:
N/S Co-ord: 2230' FSL
E/W Co-ord: 330' FWL

LOGGED BY

Company: SOLUTIONS CONSULTING
Address: 108 W 35TH
HAYS, KS 67601

Phone Nbr: (785) 639-1337
Logged By: Geologist Name: HERB DEINES

CONTRACTOR

Contractor: SOUTHWIND DRILLING INC.
Rig #: 6
Rig Type: MUD ROTARY
Spud Date: 11/20/2012 Time: 2:00 PM
TD Date: 11/30/2012 Time: 4:43 AM
Rig Release: 11/30/2012 Time: 11:45 PM

ELEVATIONS

K.B. Elevation: 1782.00ft Ground Elevation: 1774.00ft
K.B. to Ground: 8.00ft

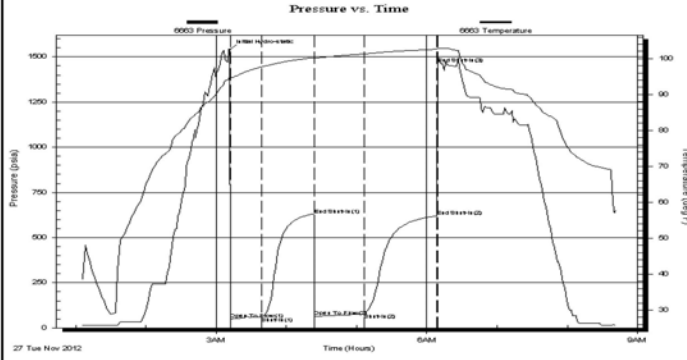
NOTES

RECOMMENDATION TO RUN CASING TO FURTHER TEST AND LKC POTENTIAL
BASED ON FAVORABLE RESULTS OF DST # 5 AND LOG EVALUATION OF LKC AND ARBUCKLE.

OPEN HOLE LOGGING BY PIONEER ENERGY SERVICES: DUAL INDUCTION LOG, DUAL COMPENSATED
POROSITY LOG, MICRORESISTIVITY LOG

DRILL STEM TESTING BY SUPERIOR TESTERS ENTERPRISES, LLC: FIVE (5) CONVENTIONAL TESTS

DST # 1 TEST SUMMARY A-B ZONES OF LKC

	DRILL STEM TEST REPORT																																						
Carrie Exploration 210 West 22nd Hays Kansas 67601 ATTN: Herb	34-19s-11w-Barton John Roth C3 Job Ticket: 17873 DST#: 1 Test Start: 2012.11.27 @ 01:05:00																																						
GENERAL INFORMATION: <table style="width: 100%;"> <tr> <td style="width: 60%;"> Formation: Lansing A-C Deviated: No Whipstock: ft (KB) Time Tool Opened: 03:12:00 Time Test Ended: 08:41:30 Interval: 3047.00 ft (KB) To 3090.00 ft (KB) (TVD) Total Depth: 3090.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Fair </td> <td style="width: 40%;"> Test Type: Conventional Bottom Hole (Initial) Tester: Dustin Ellis Unit No: 3315-Great Bend-25 Reference Elevations: 1785.00 ft (KB) 1777.00 ft (CF) KB to GR/CF: 8.00 ft </td> </tr> </table>				Formation: Lansing A-C Deviated: No Whipstock: ft (KB) Time Tool Opened: 03:12:00 Time Test Ended: 08:41:30 Interval: 3047.00 ft (KB) To 3090.00 ft (KB) (TVD) Total Depth: 3090.00 ft (KB) (TVD) Hole Diameter: 7.88 inches Hole Condition: Fair	Test Type: Conventional Bottom Hole (Initial) Tester: Dustin Ellis Unit No: 3315-Great Bend-25 Reference Elevations: 1785.00 ft (KB) 1777.00 ft (CF) KB to GR/CF: 8.00 ft																																		
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Serial #: 6663 Outside <table style="width: 100%;"> <tr> <td style="width: 33%;"> Press@RunDepth: 77.87 psia @ 3086.00 ft (KB) Start Date: 2012.11.27 Start Time: 01:05:00 </td> <td style="width: 33%;"> End Date: 2012.11.27 End Time: 08:41:30 </td> <td style="width: 33%;"> Capacity: 5000.00 psia Last Calib.: 2012.11.27 Time On Btm: 2012.11.27 @ 03:11:30 Time Off Btm: </td> </tr> </table> TEST COMMENT: 1st Open 30 minutes Fair building blow blew 4.5 inches . 1st Shut in 45 minutes No blow back 2nd Open 45 minutes Weak blow blew 1/2 inch. into bucket of water. 2nd Shut in 60 minutes No blow back				Press@RunDepth: 77.87 psia @ 3086.00 ft (KB) Start Date: 2012.11.27 Start Time: 01:05:00	End Date: 2012.11.27 End Time: 08:41:30	Capacity: 5000.00 psia Last Calib.: 2012.11.27 Time On Btm: 2012.11.27 @ 03:11:30 Time Off Btm:																																	
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Recovery <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Length (ft)</th> <th>Description</th> <th>Volume (bbl)</th> </tr> </thead> <tbody> <tr> <td>65.00</td> <td>Muddy water Mud 20% Water 80%</td> <td>0.91</td> </tr> <tr> <td>0.00</td> <td>Chlorides 36,000@56degree</td> <td>0.00</td> </tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>		Length (ft)	Description	Volume (bbl)	65.00	Muddy water Mud 20% Water 80%	0.91	0.00	Chlorides 36,000@56degree	0.00													Gas Rates <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Choke (inches)</th> <th>Pressure (psia)</th> <th>Gas Rate (Mcf/d)</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>		Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)												
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0.00	Chlorides 36,000@56degree	0.00																																					
Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)																																					

Superior Testers Enterprises LLC

Ref. No: 17873

Printed: 2012.11.27 @ 07:05:04

DST # 2 TEST SUMMARY D-F ZONES OF LKC

	DRILL STEM TEST REPORT		
Carrie Exploration 210 West 22nd Hays Kansas 67601	34-19s-11w-Barton John Roth C3 Job Ticket: 17874 DST#: 2		



ATTN: Herb

Test Start: 2012.11.27 @ 05:03:00

GENERAL INFORMATION:Formation: **Lansing D-F**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:16:00

Time Test Ended: 11:54:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315-Great Bend-25

Interval: **3088.00 ft (KB) To 3135.00 ft (KB) (TVD)**

Total Depth: 3135.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1785.00 ft (KB)

1777.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6663 Outside

Press@RunDepth: 52.14 psia @ 3131.00 ft (KB)

Start Date: 2012.11.27

End Date:

2012.11.27

Start Time: 05:03:00

End Time:

11:54:00

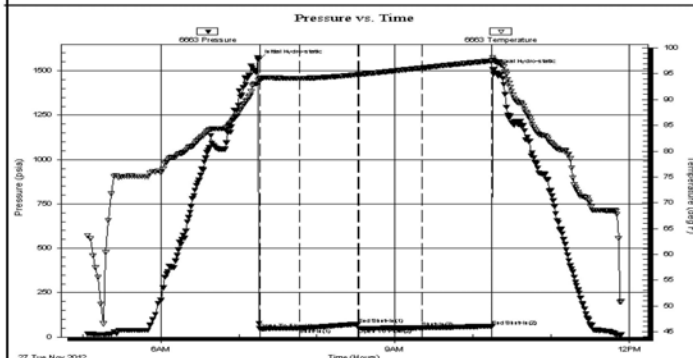
Capacity: 5000.00 psia

Last Calib.: 2012.11.27

Time On Btm: 2012.11.27 @ 07:15:00

Time Off Btm: 2012.11.27 @ 10:15:00

TEST COMMENT: 1st Open 30 minutes Fair blow blew 1 inch. into the bucket.
 1st Shut in 45 minutes No blow back
 2nd Open 45 minutes Weak surface blow died off.
 2nd Shut in 60 minutes No blow back

**PRESSURE SUMMARY**

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1561.82	93.74	Initial Hydro-static
1	47.81	94.01	Open To Flow (1)
32	49.49	94.11	Shut-In (1)
77	74.48	94.85	End Shut-In (1)
78	49.46	94.87	Open To Flow (2)
126	52.14	96.14	Shut-In (2)
180	62.16	97.53	End Shut-In (2)
180	1507.38	98.16	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
18.00	Mud 100%	0.25

Gas Rates

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
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Superior Testers Enterprises LLC

Ref. No: 17874

Printed: 2012.11.27 @ 22:10:12

DST # 3 NO TEST SUMMARY AVAILABLE DUE TO COMPUTER FAILURE**DST # 4 TEST SUMMARY ARBUCKLE****DRILL STEM TEST REPORT**

Carrie Exploration

210 West 22nd Hays Kansas
67601

ATTN: Herb

34-19s-11w-Barton**John Roth C3**

Job Ticket: 17701

DST#: 4

Test Start: 2012.11.29 @ 03:46:00

GENERAL INFORMATION:Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 05:04:30

Time Test Ended: 09:37:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Dustin Ellis

Unit No: 3315-Great Bend-25

Interval: **3300.00 ft (KB) To 3328.00 ft (KB) (TVD)**

Total Depth: 3328.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1785.00 ft (KB)

1777.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6663 Inside

Press@RunDepth: 44.13 psia @ 3324.00 ft (KB)

Start Date: 2012.11.29

End Date:

2012.11.29

Start Time: 03:47:00

End Time:

09:37:00

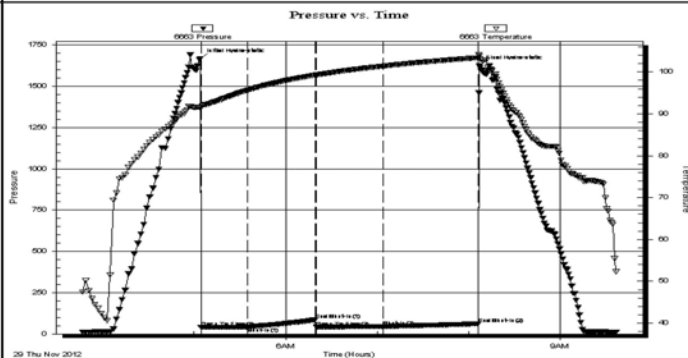
Capacity: 5000.00 psia

Last Calib.: 2012.11.29

Time On Btm: 2012.11.29 @ 05:04:00

Time Off Btm: 2012.11.29 @ 08:07:00

TEST COMMENT: 1st Open 30 minutes Weak blow blew 1/2 inch.
 1st Shut in 45 minutes No blow back
 2nd Open 45 minutes Weak blow blew 1/2 inch.
 2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1667.10	91.57	Initial Hydro-static
1	40.23	91.49	Open To Flow (1)
31	41.95	95.65	Shut-In(1)
76	87.03	99.26	End Shut-In(1)
76	42.41	99.28	Open To Flow (2)
121	44.13	101.40	Shut-In(2)
182	62.18	103.39	End Shut-In(2)
183	1624.02	103.75	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Slightly oil cut mud 4%Oil96% Mud	0.21

Gas Rates

Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)
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Superior Testers Enterprises LLC

Ref. No: 17701

Printed: 2012.11.30 @ 09:36:15

DST # 5 TEST SUMMARY ARBUCKLE



DRILL STEM TEST REPORT

Carrie Exploration
210 West 22nd Hays Kansas
67601
ATTN: Herb

34-19s-11w-Barton

John Roth C3

Job Ticket: 17702

DST#:5

Test Start: 2012.11.29 @ 03:01:00

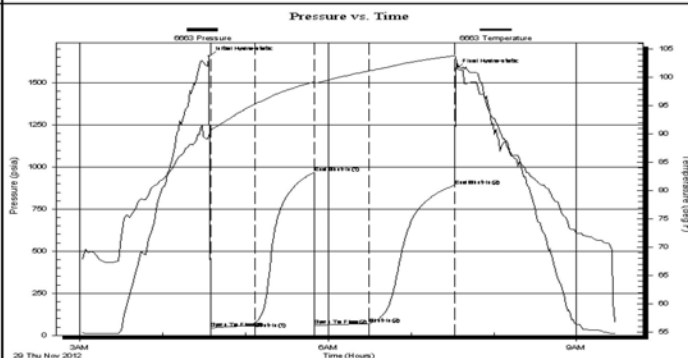
GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:34:30
Time Test Ended: 09:28:30
Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Ellis
Unit No: 3315-Great-Bend-25
Interval: **3300.00 ft (KB) To 3333.00 ft (KB) (TVD)**
Reference Elevations: 1785.00 ft (KB)
Total Depth: 3333.00 ft (KB) (TVD)
1777.00 ft (CF)
Hole Diameter: 7.88 inchesHole Condition: Fair
KB to GR/CF: 8.00 ft

Serial #: 6663 Inside

Press@RunDepth: 69.52 psia @ 3329.00 ft (KB)
Capacity: 5000.00 psia
Start Date: 2012.11.29 End Date: 2012.11.29
Last Calib.: 2012.11.29
Start Time: 03:01:00 End Time: 09:28:30
Time On Btm: 2012.11.29 @ 04:33:30
Time Off Btm: 2012.11.29 @ 07:32:30

TEST COMMENT: 1st Open 30 minutes Fair building blow blew 5.5 inches
1st Shut in 45 minutes No blow back
2nd Open 45 minutes Fair building blow blew bottom bucket 28 minutes.
2nd Shut in 60 minutes No blow back



PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1657.54	89.74	Initial Hydro-static
1	43.54	90.55	Open To Flow (1)
34	75.45	95.28	Shut-In(1)
76	966.82	99.20	End Shut-In(1)
77	60.59	99.00	Open To Flow (2)
116	69.52	101.14	Shut-In(2)
178	891.02	103.82	End Shut-In(2)
179	1582.96	103.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	Clean Oil 100%	0.21
55.00	Oil cut mud 20% Oil Mud 80%	0.77

Gas Rates

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

	Clystgy		Lmst fw<7		shale, gry		Ss
	Clystcol		Lmst fw>7		Carbon Sh		
	Dolprim		shale, grn		shale, red		

ACCESSORIES

MINERAL

P Pyrite
△ Chert White

FOSSIL

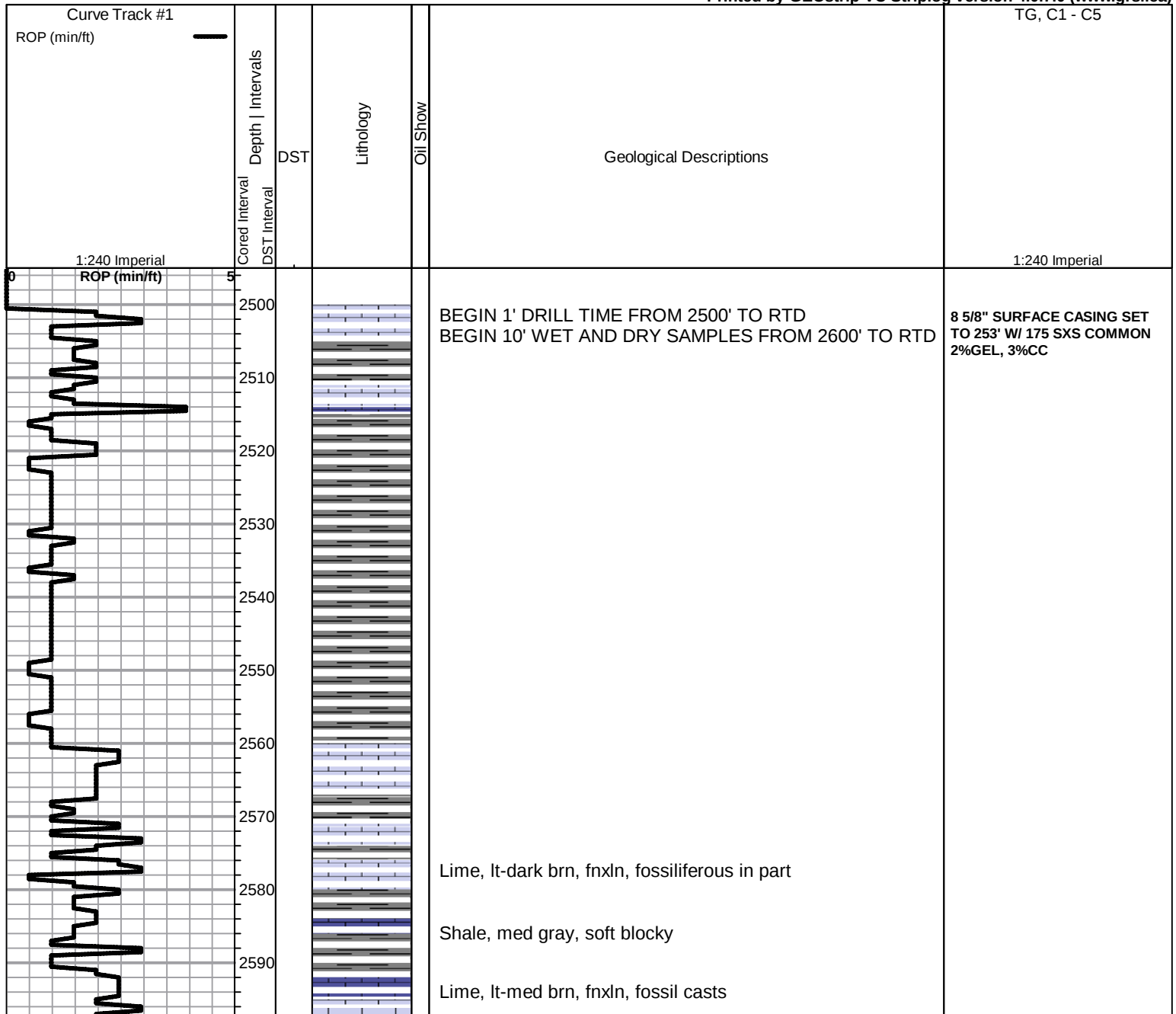
○ Oolite
⬢ Oomoldic

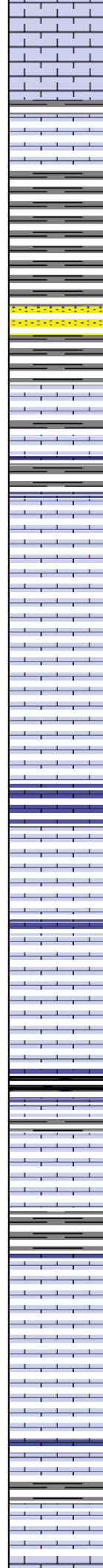
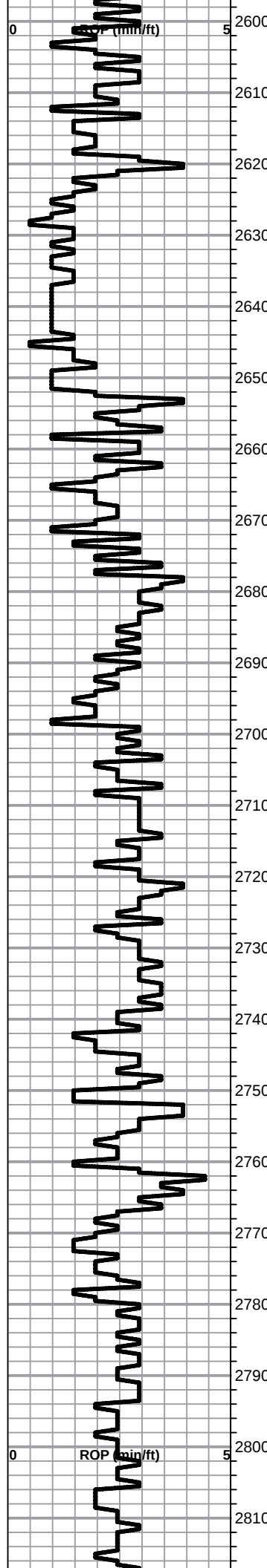
OTHER SYMBOLS

DST

■ DST Int
■ DST alt
■ Core

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)





Lime, lt brn-med grayish brn, fnxln, thin fusulinid beds in part

Lime, lt brn-med grayish brn, fnxln-granular, soft chalk
Shale, lt gray, soft, sticky clumps

Lime, med-dark brn, fnxln, slightly fossiliferous

Shale, lt gray, soft forming soft mud in part

Sandstone, lt gray, fn grained, gritty, glauconitic, NS, no staining

TOPEKA ELOG 2651-869

Lime, lt-dark brn, fnxln, thin fossil beds in part, NS

Lime, lt-med grn-gray, fnxln, scattered chalk, thin fossil beds

Lime, lt-med brn, fnxln, bedded chalk in part

Lime, lt-med brn, fnxln, slight thin bed chalk

Lime, lt-med brn-grayish brn, fnxln with increasing granular

Lime, lt-dark-grayish brn, fnxln, scattered micritic lime, micro fossils in darker limes.

Lime, lt-dark brn, fnxln, thin fusulinid beds

Lime, lt-med brn, fnxln, scattered fusulinids

Lime, lt-med brn, fnxln, scattered chalk beds with thin fossil beds in part

Lime, lt-med brn-grayish brn, fnxln, thin beds of fusulinids with crinoid segments in part

Shale, gray-black, carbonaceous
Lime, med brn, fn-vfxln with sticky clumps of chalk
Shale, lt gray, forming soft sticky clumps

Lime, lt brn-lt gray, fnxln, bed chalk in part

Shale, lt gray, soft forming soft mud

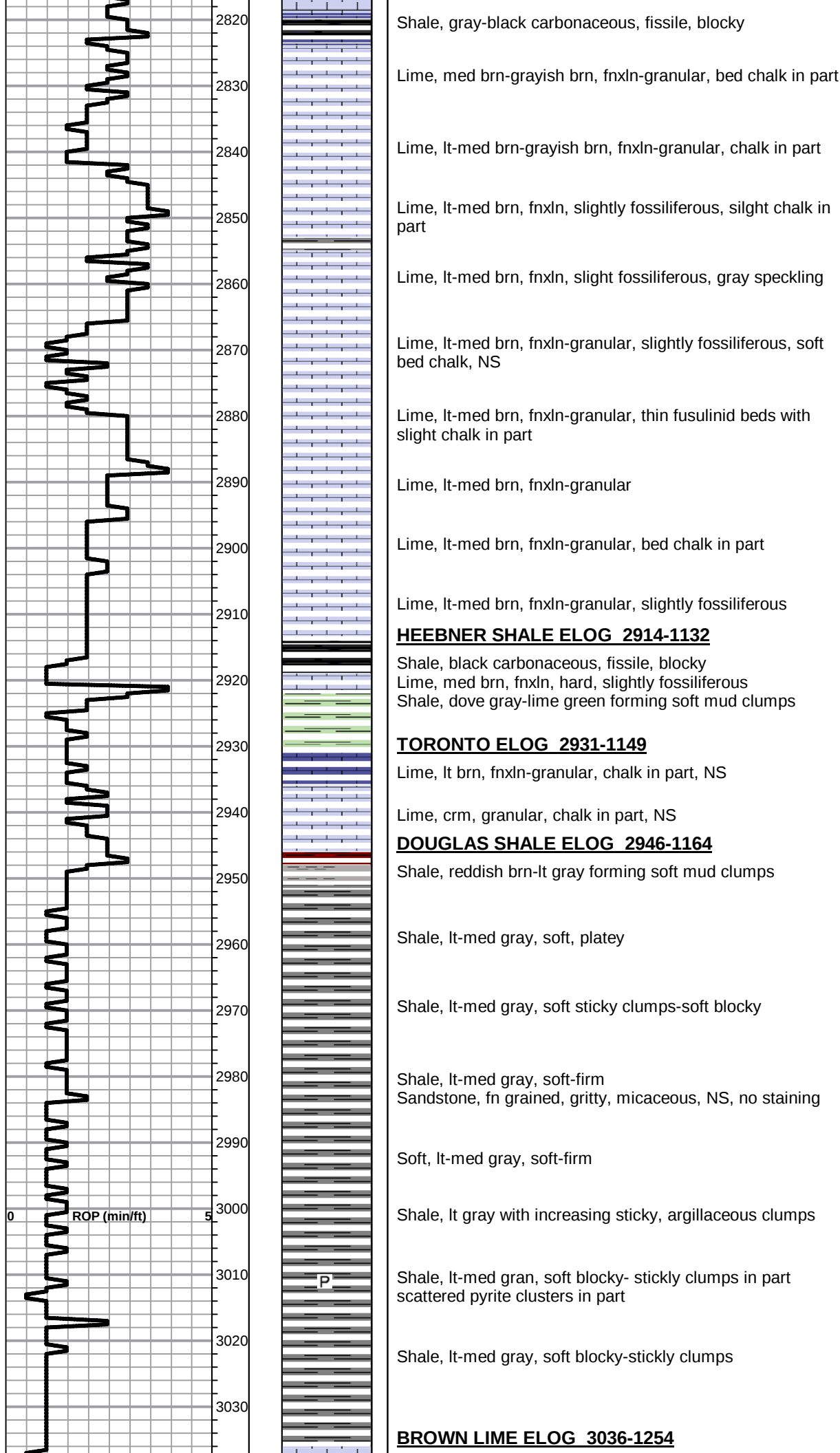
Lime, crm-lt brn, fnxln, bed chalk

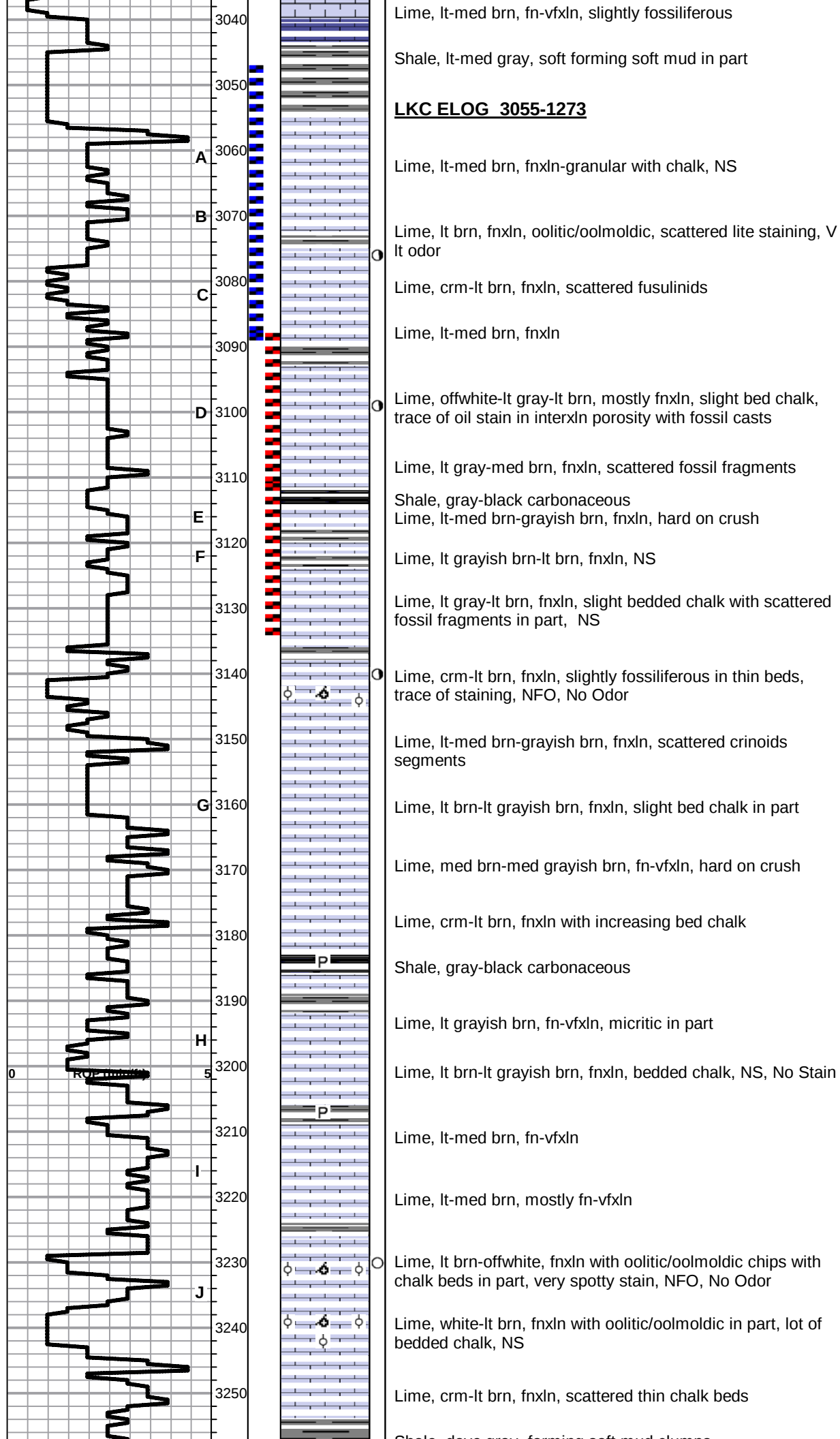
Lime, crm-lt brn, fnxln, bed chalk in part

Lime, lt brnm fnxln-granular, chalk in part

Lime, lt-med brn, fnxln-granular, slight bed chalk

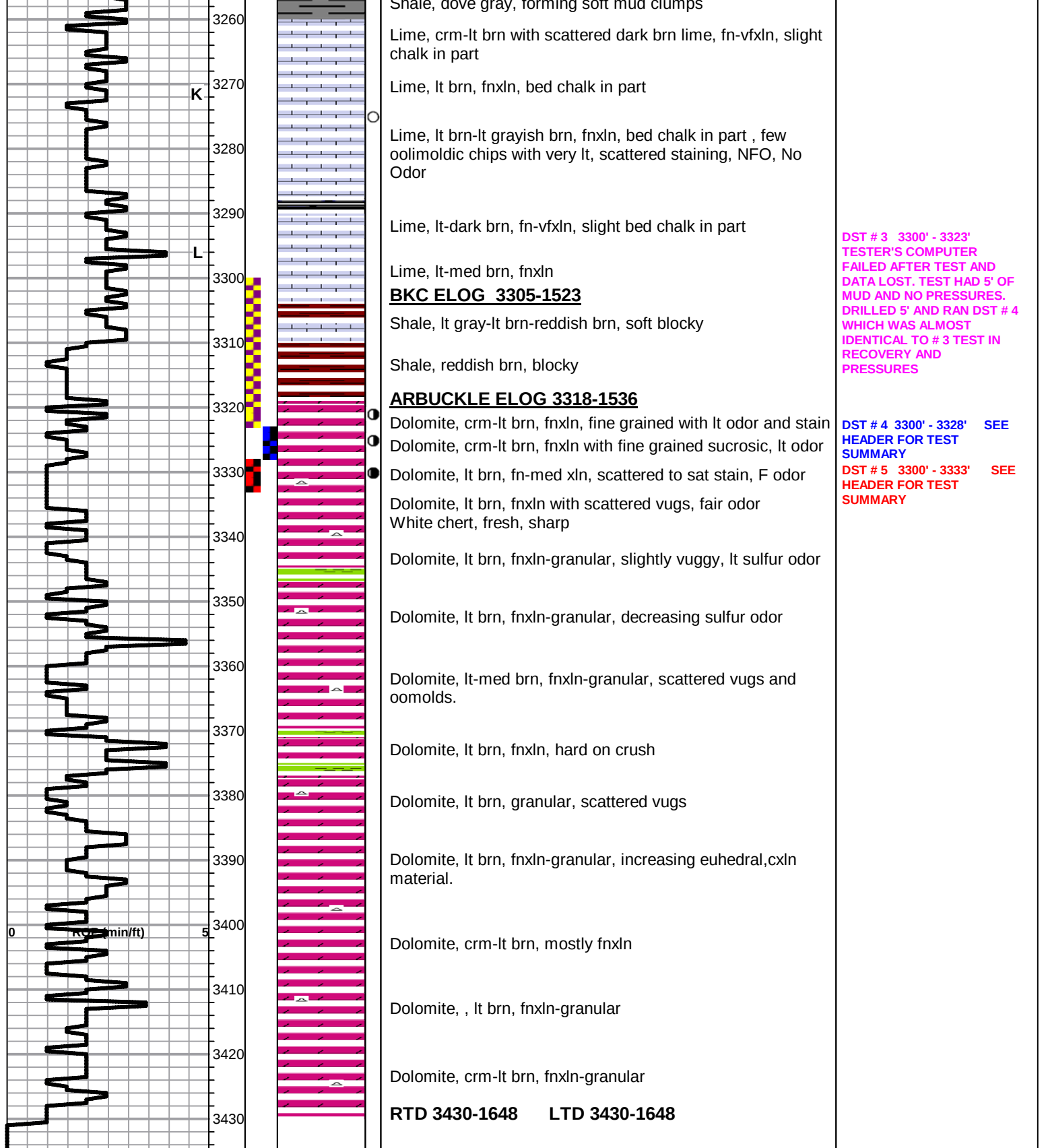
Lime, lt brn-lt gray, fnxln-granular, chalk in part





DST # 1 3047' - 3090' SEE
HEADER FOR TEST SUMMARY

DST # 2 3088' - 3135' SEE
HEADER FOR TEST
SUMMARY





PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 134129
Invoice Date: Dec 21, 2012
Page: 1

Bill To:

Carrie Exploration & Development LLC
210 West 22nd Street
Hays, KS 67601

Now Includes:



Customer ID	Field Ticket #	Payment Terms	
Carrie	James C #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-03	Great Bend	Dec 21, 2012	1/20/13

Quantity	Item	Description	Unit Price	Amount
117.00	MAT	Class A Common	17.90	2,094.30
78.00	MAT	Pozmix	9.35	729.30
7.00	MAT	Gel	23.40	163.80
49.00	MAT	Flo Seal	2.97	145.50
209.30	SER	Cubic Feet	2.48	519.00
287.07	SER	Ton Mileage	2.60	746.40
1.00	SER	Rotary Plug	2,600.47	2,600.47
33.00	SER	Pump Truck Mileage	7.70	254.10
33.00	SER	Light Vehicle Mileage	4.40	145.20
1.00	CEMENTER	Tim Dickson		
1.00	EQUIP OPER	Joshua Isaac		
1.00	OPER ASSIST	Kevin Weighous		
<i>Lost Invoice</i>				

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$

ONLY IF PAID ON OR BEFORE
Jan 15, 2013

Subtotal	7,398.07
Sales Tax	540.06
Total Invoice Amount	7,938.13
Payment/Credit Applied	7,938.13
TOTAL	0.00



PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 134062

Invoice Date: Dec 14, 2012

Page: 1

Bill To:

Carrie Exploration & Development LLC
210 West 22nd Street
Hays, KS 67601



Customer ID	Well Name# or Customer P.O.	Payment Terms	
Carrie	James #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS2-01	Great Bend	Dec 14, 2012	1/13/13

Quantity	Item	Description	Unit Price	Amount
225.00	MAT	Class A Common	17.90	4,027.50
4.00	MAT	Gel	23.40	93.60
8.00	MAT	Chloride	64.00	512.00
242.80	SER	Cubic Feet	2.48	602.10
363.00	SER	Ton Mileage	2.60	943.80
1.00	SER	Surface	1,512.25	1,512.25
33.00	SER	Pump Truck Mileage	7.70	254.10
33.00	SER	Light Vehicle Mileage	4.40	145.20
1.00	CEMENTER	Patrick Helgerson		
1.00	EQUIP OPER	Joshua Isaac		
1.00	EQUIP OPER	Trint Hall		
1.00	OPER ASSIST	Alan Genereux		

1-3-13
3517

\$6,406.17

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 2022.60

ONLY IF PAID ON OR BEFORE
Jan 8, 2013

Subtotal	8,090.55
Sales Tax	338.22
Total Invoice Amount	8,428.77
Payment/Credit Applied	
TOTAL	8,428.77

Grant Sawyer

Federal Tax I.D.# 20-5975804

SERVICE POINT:

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

REMIT TO		P.O. BOX 93999		SOUTHLAKE, TEXAS 76092	
DATE	12-14-12	SEC.	3	TWP.	22S
LEASE	James	WELL #	6-1	RANGE	10W
OLD OR ☒ NEW (Circle one)	LOCATION		14 miles south Great Bend to 19 then East 18 miles		
OWNER		Carrie Bapalacion		ON LOCATION	9:30 PM
COUNTY		Beno		JOE START	1 AM 12/15
STATE		KS		JOB FINISH	1:30 AM 12/15

CONTRACTOR	Fossil Drilling
TYPE OF JOB	Surface
HOLE SIZE	12 1/4
CASING SIZE	8 5/8
TUBING SIZE	
DRILL PIPE	
TOOL	
PRES. MAX	1,000
MEAS. LINE	
CEMENT LEFT IN CSG.	1.272 lbs
PERFS.	
DISPLACEMENT	16 lbs
EQUIPMENT	

CEMENT

CEMENT
AMOUNT ORDERED

		@	17.90	4027. ⁵⁰
COMMON	225	@		
POZMIX		@	23.40	93. ⁶⁰
GEL	4	@	64.00	512. ⁸⁰
CHLORIDE	8	@		
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	242.80	@	2.48	602. ⁸⁰
MILEAGE	11 X 33 X		2.60	943. ⁸⁰
			TOTAL	6,179. ⁰⁰

DISPLACEMENT	EQUIPMENT
PUMP TRUCK	CEMENTER Patrick Helgeson
# 224	HELPER Seth Isaac / Trent Hall
BULK TRUCK	DRIVER Alan
# 341	DRIVER Allen Genereux
BULK TRUCK	
#	DRIVER

REMARKS:

REMARKS:

Dumped 5 bbls of Spewet Cement
Dumped 541 bbls of cement @ 152 ft.
Displayed casing with 16 bbls of
fresh water and left 15' of cement
in casing.

SERVICE

DEPTH OF JOB	275.99		
PUMP TRUCK CHARGE	1512.25		
EXTRA FOOTAGE	@		
MILEAGE	33	@ 7.70	254.10
MANIFOLD	@		
	33	@ 4.40	145.20

TOTAL 1,911.⁵⁵

CHARGE TO: Carrie Exploration
STREET _____
CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

TERMS AND

PRINTED NAME Robert L. Sanders

PRINTED NAME Robert L. L...
SIGNATURE Robert L. L...

SALES TAX (If Any)

TOTAL CHARGES

25%
DISCOUNT

TOTAL

338.21

8.090 - 55
60

2.022.60 IF

6.567- 95

IF PAID IN 30 DAYS