



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1237470
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

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

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical 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

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

1237470

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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 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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Falcon Exploration, Inc.
Well Name	VADA UNRUH 1-25(SE)
Doc ID	1237470

All Electric Logs Run

MEL
DIL
BHCS
CNL/CDL

Form	ACO1 - Well Completion
Operator	Falcon Exploration, Inc.
Well Name	VADA UNRUH 1-25(SE)
Doc ID	1237470

Tops

Name	Top	Datum
STOTLER	3519	-697
TARKIO	3562	-740
LANSING	4234	-1412
CHEROKEE	4887	-2065
MORROW SH	5106	-2284
MORROW SS	5136	-2314
MISS ST GEN	5271	-2449
ST LOUIS	5325	-2503

DIAMOND TESTING

General Information Report

General Information

Company Name FALCON EXPLORATION, INC.
Contact JASON MITCHELL
Well Name VADA UNRUH #1-25 (SE)
Unique Well ID DST #1, MORROW SD., 5100-5160
Surface Location SEC 25-28S-31W, HASKELL CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #1, MORROW SD., 5100-5160
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator FALCON EXPLRATION, INC.
Report Date 2014/10/08
Prepared By TIM VENTERS

Qualified By MAC ARMSTRONG

Start Test Date 2014/10/08
Final Test Date 2014/10/08

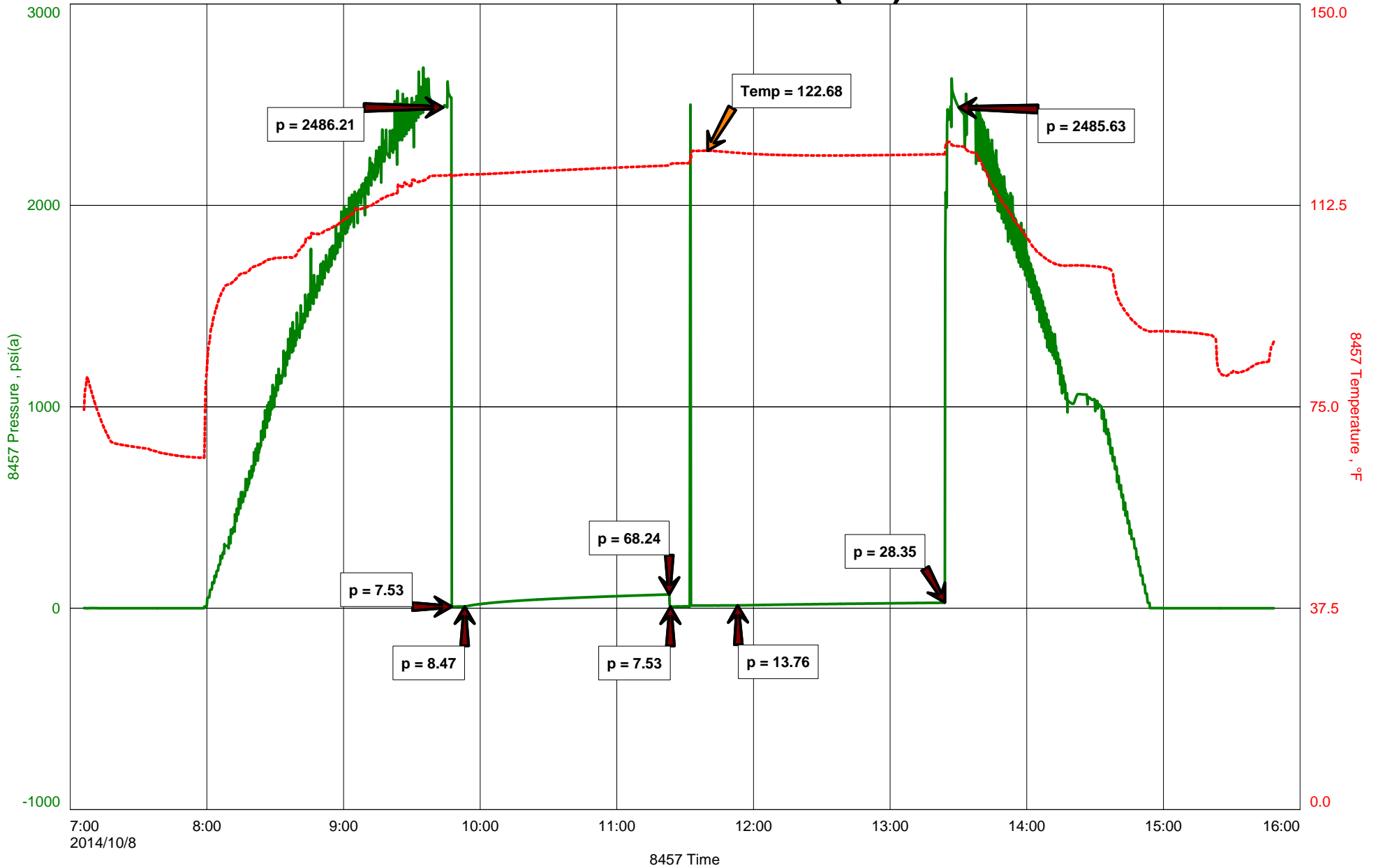
Start Test Time 07:06:00
Final Test Time 15:49:00

Test Recovery:

RECOVERED: 15' MUD

TOOL SAMPLE: 100% MUD

VADA UNRUH #1-25 (SE)





DIAMOND TESTING
P.O. Box 157
HOISINGTON, KANSAS 67544
(800) 542-7313

TIME ON: 07:06
TIME OFF: 15:49

DRILL-STEM TEST TICKET
FILE: VADAUNRUH1-25SEDST1

Company FALCON EXPLORATION, INC. Lease & Well No. VADA UNRUH #1-25
Contractor VAL ENERGY, INC. RIG #2 Charge to FALCON EXPLORATION, INC.
Elevation 2822 KB Formation MORROW SD. Effective Pay _____ Ft. Ticket No. T400
Date 10-8-14 Sec. 25 Twp. _____ 28 S Range _____ 31 W County HASKELL State KANSAS
Test Approved By MAC ARMSTRONG Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 1 Interval Tested from 5100 ft. to 5160 ft. Total Depth 5160 ft.

Packer Depth 5095 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 5100 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 5081 ft. Recorder Number 8457 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 5157 ft. Recorder Number 11030 Cap. 5,025 P.S.I.

Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 52 Drill Collar Length _____ ft. I.D. 2 1/4 in.

Weight 9.4 Water Loss 9.2 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.

Chlorides 3,400 P.P.M. Drill Pipe Length 5067 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number 2 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 29 ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{31' DP IN ANCHOR} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: VERY WEAK SURFACE BLOW, LASTING 1 MIN. (NO BB)

2nd Open: VERY WEAK SURFACE BLOW LASTING 30 SEC. (NO BB)

Recovered 15 ft. of MUD

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: WE FLUSHED TOOL 10 MIN. INTO FINAL FLOW PERIOD AND GOT A VERY

WEAK SURFACE BLOW LASTING 30 SEC.

TOOL SAMPLE: 100% MUD

Time Set Packer(s) 9:47 AM ^{A.M.} P.M. Time Started Off Bottom 1:22 PM ^{A.M.} P.M. Maximum Temperature 123 deg.

Initial Hydrostatic Pressure..... (A) 2486 P.S.I.

Initial Flow Period..... Minutes 5 (B) 8 P.S.I. to (C) 8 P.S.I.

Initial Closed In Period..... Minutes 90 (D) 68 P.S.I.

Final Flow Period..... Minutes 30 (E) 8 P.S.I. to (F) 14 P.S.I.

Final Closed In Period..... Minutes 90 (G) 28 P.S.I.

Final Hydrostatic Pressure..... (H) 2486 P.S.I.

Price Job
Other Charges
Insurance
Total

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

General Information Report

General Information

Company Name FALCON EXPLORATION, INC.
Contact JASON MITCHELL
Well Name VADA UNRUGH #1-25 (SE)
Unique Well ID DST #2, ST. LOUIS, 5350-5375
Surface Location SEC 25-28S-31W, HASKELL CO. KS.
Field WILDCAT
Well Type Vertical
Test Type STRADDLE
Formation DST #2, ST. LOUIS, 5350-5375
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator FALCON EXPLORATION, INC.
Report Date 2014/10/11
Prepared By TIM VENTERS
Qualified By MAC ARMSTRONG

Start Test Date 2014/10/10
Final Test Date 2014/10/11

Start Test Time 18:49:00
Final Test Time 01:21:00

Test Recovery:

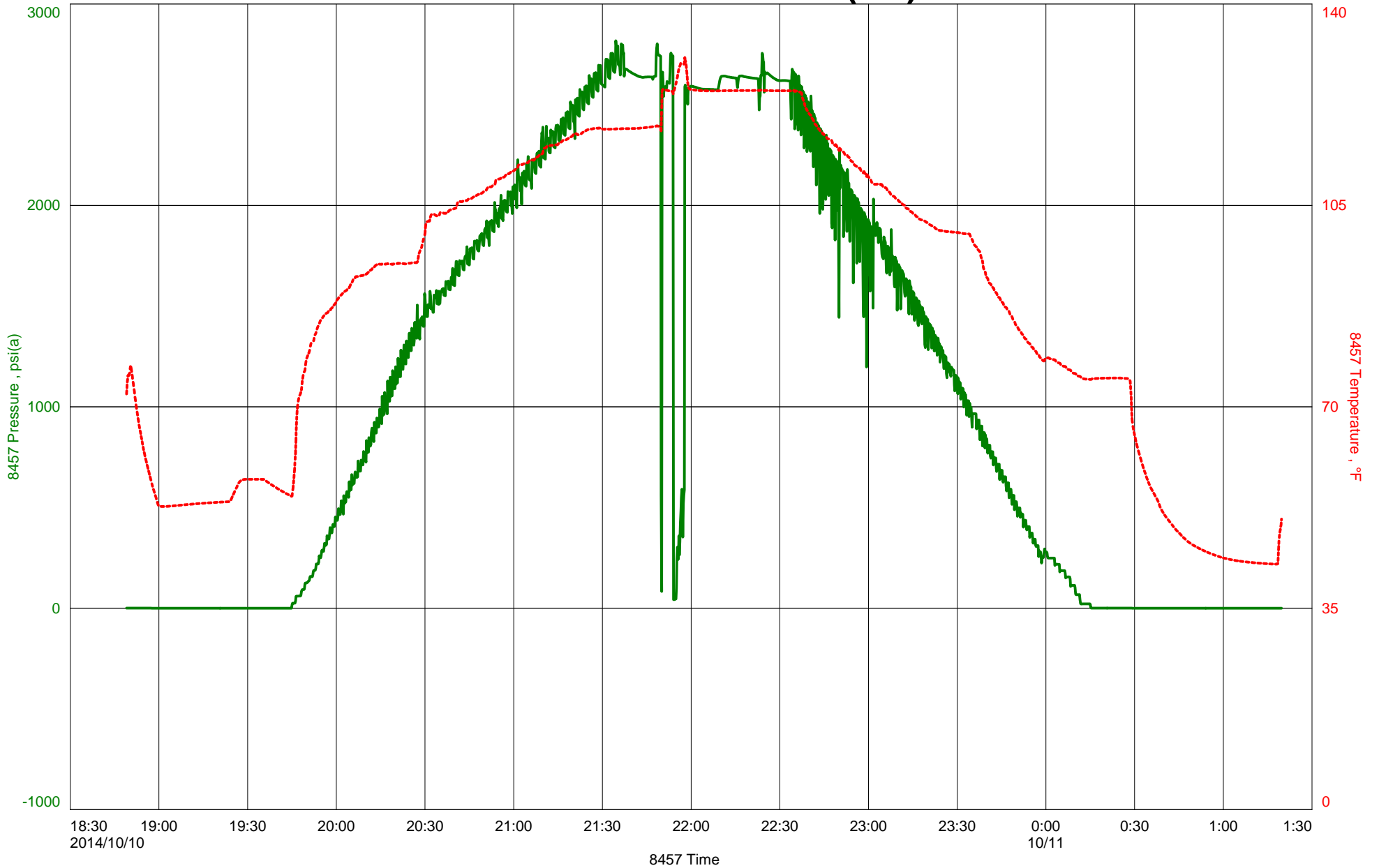
RECOVERED: 445' MUD

TOOL SAMPLE: 100% MUD

FALCON EXPLORATION, INC.
DST #2, ST. LOUIS, 5350-5375
Start Test Date: 2014/10/10
Final Test Date: 2014/10/11

VADA UNRUGH #1-25 (SE)
Formation: DST #2, ST. LOUIS, 5350-5375
Pool: WILDCAT
Job Number: T401

VADA UNRUGH #1-25 (SE)





DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313

TIME ON: 18:49 10-10-14
 TIME OFF: 01:21 10-11-14

DRILL-STEM TEST TICKET
 FILE: VADAUNRUH1-25SEDST2

Company FALCON EXPLORATION, INC. Lease & Well No. VADA UNRUH #1-25 (SE)
 Contractor VAL ENERGY, INC. RIG #2 Charge to FALCON EXPLORATION, INC.
 Elevation 2822 KB Formation ST. LOUIS Effective Pay _____ Ft. Ticket No. T401
 Date 10-10-14 Sec. 25 Twp. 28 S Range 31 W County HASKELL State KANSAS
 Test Approved By MAC ARMSTRONG Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 2 Interval Tested from 5350 ft. to 5375 ft. Total Depth 5530 ft.

Packer Depth 5345 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 5350 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 5331 ft. Recorder Number 8457 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 5372 ft. Recorder Number 11029 Cap. 5,025 P.S.I.

Below Straddle Recorder Depth 5527 ft. Recorder Number 11030 Cap. 5,025 P.S.I.

Mud Type CHEMICAL Viscosity 53 Drill Collar Length 0 ft. I.D. 2 1/4 in.

Weight 9.35 Water Loss 9.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 1,400 P.P.M. Drill Pipe Length 5357 ft. I.D. 3 1/2 in.

Jars: Make STERLING Serial Number 2 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.

Did Well Flow? NO Reversed Out NO Anchor Length 25 ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: PACKER FAILURE

2nd Open: _____

Recovered 445 ft. of MUD

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

TOOL SAMPLE: 100% MUD

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.

Price Job
Other Charges
Insurance
Total

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

General Information Report

General Information

Company Name FALCON EXPLORATION, INC.
Contact JASON MITCHELL
Well Name VADA UNRUH \$1-25 (SE)
Unique Well ID DST #3, ST. LOUIS, 5344-5377
Surface Location SEC 25-28S-31W, HASKELL CO. KS.
Field WILDCAT
Well Type Vertical
Test Type STRADDLE
Formation DST #3, ST. LOUIS, 5344-5377
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator FALCON EXPLORATION, INC.
Report Date 2014/10/11
Prepared By TIM VENTERS
Qualified By MAC ARMSTRONG

Start Test Date 2014/10/11
Final Test Date 2014/10/11

Start Test Time 06:26:00
Final Test Time 13:06:00

Test Recovery:

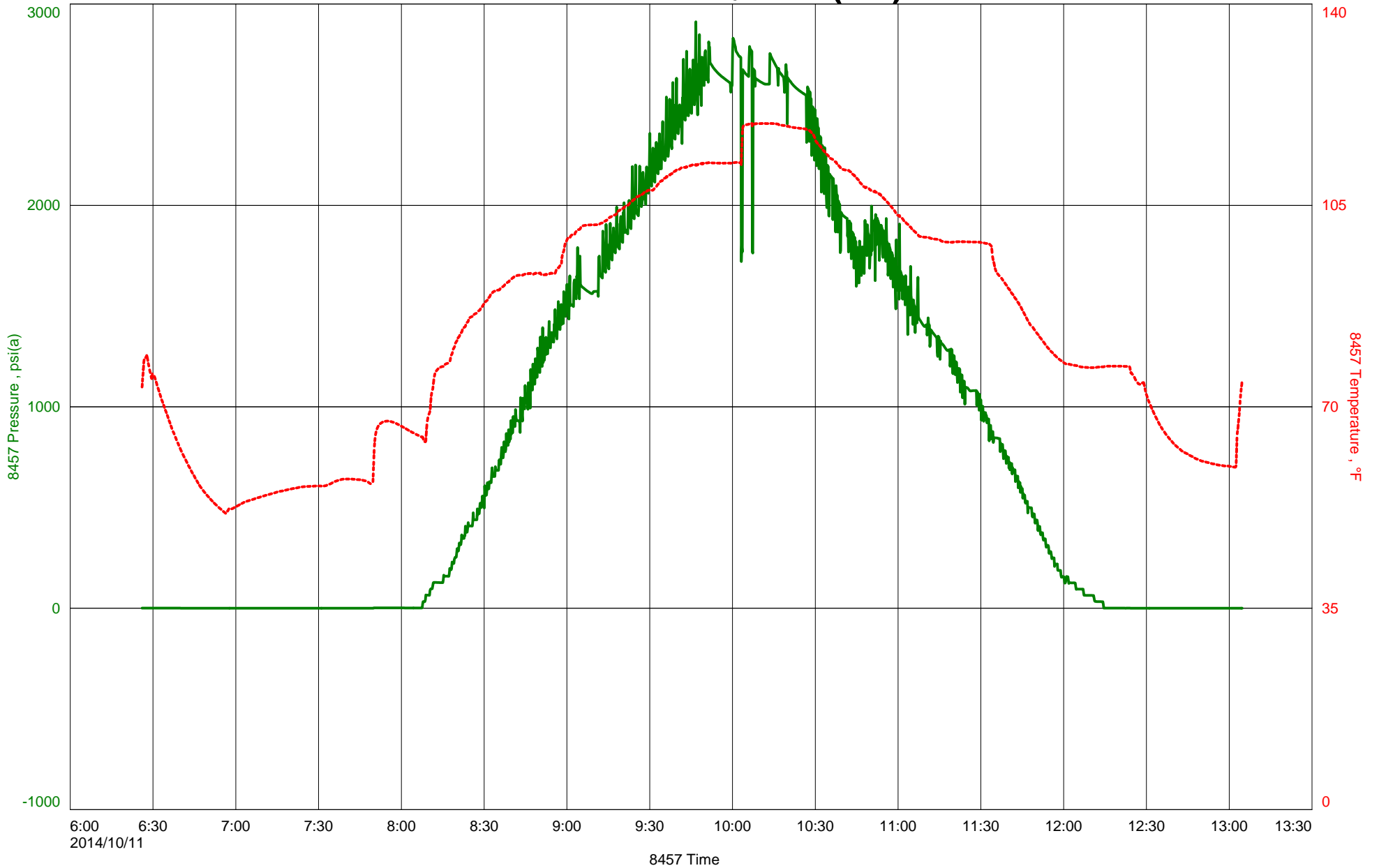
RECOVERED: 235' MUD

TOOL SAMPLE: 100%MUD

FALCON EXPLORATION, INC.
DST #3, ST. LOUIS, 5344-5377
Start Test Date: 2014/10/11
Final Test Date: 2014/10/11

VADA UNRUH \$1-25 (SE)
Formation: DST #3, ST. LOUIS, 5344-5377
Job Number: T402

VADA UNRUH \$1-25 (SE)





DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313

TIME ON: 06:26
 TIME OFF: 13:06

DRILL-STEM TEST TICKET
 FILE: VADAUNRUH1-25SEDST3

Company FALCON EXPLORATION, INC. Lease & Well No. VADA UNRUH #1-25 (SE)
 Contractor VAL ENERGY, INC. RIG #2 Charge to FALCON EXPLORATION, INC.
 Elevation 2822 KB Formation ST. LOUIS Effective Pay _____ Ft. Ticket No. T402
 Date 10-11-14 Sec. 25 Twp. 28 S Range 31 W County HASKELL State KANSAS
 Test Approved By MAC ARMSTRONG Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 3 Interval Tested from 5344 ft. to 5377 ft. Total Depth 5530 ft.
 Packer Depth 5339 ft. Size 6 3/4 in. Packer depth 5377 ft. Size 6 3/4 in.
 Packer Depth 5344 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 5325 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
 Bottom Recorder Depth (Outside) 5374 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
 Below Straddle Recorder Depth 5527 ft. Recorder Number 11030 Cap. 5,025 P.S.I.

Mud Type CHEMICAL Viscosity 53 Drill Collar Length 0 ft. I.D. 2 1/4 in.
 Weight 9.35 Water Loss 9.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 1,400 P.P.M. Drill Pipe Length 5311 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number 2 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 33 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: PACKER FAILURE

2nd Open: _____

Recovered 235 ft. of MUD
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: _____	Price Job
_____	Other Charges
_____	Insurance
TOOL SAMPLE: 100% MUD	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

General Information Report

General Information

Company Name FALCON EXPLORATION, INC.
Contact JASON MITCHELL
Well Name VADA UNRUH #1-25 (SE)
Unique Well ID DST #4, ST. LOUIS, 5323-5530
Surface Location SEC 25-28S-31W, HASKELL CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #4, ST. LOUIS, 5323-5530
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator FALCON EXPLORATION, INC.
Report Date 2014/10/12
Prepared By TIM VENTERS
Qualified By MAC ARMSTRONG

Start Test Date 2014/10/11
Final Test Date 2014/10/12

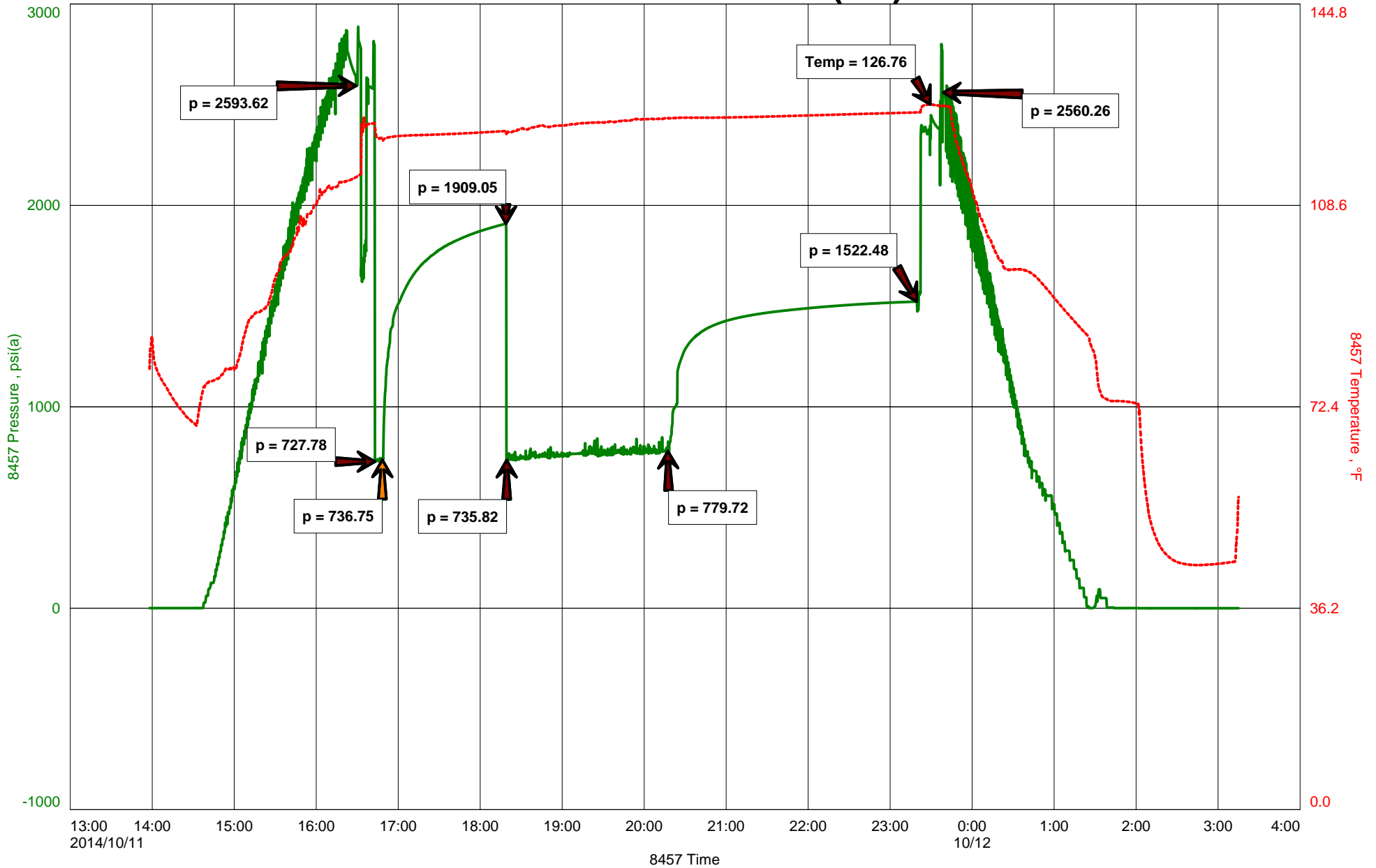
Start Test Time 13:58:00
Final Test Time 03:16:00

Test Recovery:

RECOVERED: 1415' MUD

TOOL SAMPLE: 100% MUD

VADA UNRUH #1-25 (SE)





DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313

TIME ON: 13:58 10-11-14
 TIME OFF: 03:16 10-12-14

DRILL-STEM TEST TICKET
 FILE: VADAUNRUH1-25SEDST4

Company FALCON EXPLORATION, INC. Lease & Well No. VADA UNRUH #1-25 (SE)
 Contractor VAL ENERGY, INC. RIG #2 Charge to FALCON EXPLORATION, INC.
 Elevation 2822 KB Formation ST. LOUIS Effective Pay _____ Ft. Ticket No. T403
 Date 10-11-14 Sec. 25 Twp. 28 S Range 31 W County HASKELL State KANSAS
 Test Approved By MAC ARMSTRONG Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 4 Interval Tested from 5323 ft. to 5530 ft. Total Depth 5530 ft.
 Packer Depth 5318 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 5323 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 5304 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
 Bottom Recorder Depth (Outside) 5527 ft. Recorder Number 11030 Cap. 5,025 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 53 Drill Collar Length _____ ft. I.D. 2 1/4 in.
 Weight 9.4 Water Loss 9.2 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
 Chlorides 2,900 P.P.M. Drill Pipe Length 5290 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number 2 Test Tool Length 33 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 20 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{187° DP IN ANCHOR} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: GOOD 1 1/2 INCH BLOW, BUILDING TO 2 INCHES. (NO BB)
 2nd Open: WEAK SURFACE BLOW, BUILDING TO 3 INCHES. (NO BB)

Recovered 1415 ft. of MUD
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: WE SLID ABOUT 2-3 FT. WHEN TRYING TO SEAT PACKERS, THEY DIDN'T SEAT THE FIRST TRY, BUT DID THE SECOND.
 TOOL SAMPLE: 100% MUD

Time Set Packer(s) 4:43 PM ^{A.M.}/_{P.M.} Time Started Off Bottom 11:18 PM ^{A.M.}/_{P.M.} Maximum Temperature 127 deg.

Initial Hydrostatic Pressure..... (A) 2594 P.S.I.
 Initial Flow Period..... Minutes 5 (B) 728 P.S.I. to (C) 736 P.S.I.
 Initial Closed In Period..... Minutes 90 (D) 1909 P.S.I.
 Final Flow Period..... Minutes 120 (E) 736 P.S.I. to (F) 780 P.S.I.
 Final Closed In Period..... Minutes 180 (G) 1522 P.S.I.
 Final Hydrostatic Pressure..... (H) 2560 P.S.I.

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**Falcon Exploration, Inc.
Vada Unruh No. 1-25(SE)
2520' FNL and 1110' FEL
NW NW NE SE
Sec 25 T28S R31W
Haskell County, Kansas**

Geological Report
by

Macklin M. Armstrong, P.G.
License Number 743

Scale 1:240 Imperial

Well Name:	Vada Unruh No. 1-25(SE)		
Surface Location:	Sec 25 T28S R31W		
Bottom Location:	2520' FNL and 1110' FEL		
API:	15-081-22083		
License Number:	5316		
Spud Date:	10/1/2014	Time:	5:00 PM
Region:	Haskell County, Kansas		
Drilling Completed:	10/10/2014	Time:	5:12 AM
Surface Coordinates:			
Bottom Hole Coordinates:			
Ground Elevation:	2812.00ft		
K.B. Elevation:	2822.00ft		
Logged Interval:	2600.00ft	To:	5534.00ft
Total Depth:	5530.00ft		
Formation:	Mississippi		
Drilling Fluid Type:	Chemical/Fresh Water Gel		

OPERATOR

Company:	Falcon Exploration, Inc.		
Address:	125 North Market Wichita, Kansas 67202		
Contact Geologist:	Dan Fredlund		
Contact Phone Nbr:	316-262-1378		
Well Name:	Vada Unruh No. 1-25(SE)		
Location:	Sec 25 T28S R31W	API:	15-081-22083
Pool:	Oil, Gas	Field:	Unnamed
State:	Kansas	Country:	Haskell

CONTRACTOR

Contractor: Val Energy, Inc.
 Rig #: 2
 Rig Type: mud rotary
 Spud Date: 10/1/2014
 TD Date: 10/10/2014
 Rig Release: 10/12/2014

Time: 5:00 PM
 Time: 5:12 AM
 Time: 8:15 PM

ELEVATIONS

K.B. Elevation: 2822.00ft
 K.B. to Ground: 10.00ft

Ground Elevation: 2812.00ft

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: 100.6558008
 N/S Co-ord:
 E/W Co-ord:

Latitude: 37.5835912

NOTES

Date	Depth	Activity
10-01-14	MIRU	Spud at 5:00 pm
10-02-14	830	Drilling
10-03-14	1850	Wiper Trip to CH
10-04-14	1850	TIH to Drill Plug
10-05-14	2721	Drilling
10-06-14	3984	Drilling
10-07-14	5030	Drilling
10-08-14	5160	TOH for DST No. 1
10-09-14	5300	Drilling
10-10-14	5530	ST to CH for Log
10-11-14	5530	TOH for DST No. 3
10-12-14	5530	P & A

Surface Casing: 8 5/8" 24# at 1846'
 Production Casing: None set

Deviation: 505' - 3/4°
 998' - 1°
 1850' - 3/4°
 5040' - 1/4°
 5530' - 1°

Bit Record:	Size	Make	Type	Depth In	Depth Out	Hours
	12 1/4"	JZ	Rock Bit	Surface	1850	22 3/4
	7 7/8"	PDC Lodgic	PLt 516	1850	5040	60
	7 7/8"	JZ	HA30Q	5040	5530	42 1/2

Drill Stem Tests:

DST No. 1 5100 to 5160 Morrow Sand
 5-90-30-90

Recovery: 15' Mud
 IHP 2486 FHP 2486
 IFP 8-8 FFP 8-14
 ISIP 68 FSIP 28
 Temp 123°

DST No. 2 5350 to 5375 (Straddle Test) Saint Louis
 Misrun due to packer failure

DST No. 3 5344 to 5377 (Straddle Test) Saint Louis
 Misrun due to packer failure

DST No. 4 5323 to 5530 Saint Louis
 5-90-120-180
 Recovery: 1415' Mud
 IHP 2594 FHP 2560
 IFP 728-736 FFP 736-780
 ISIP 1909 FSIP 1522
 Temp 127°


Formation	Sample	E-Log	Datum	Well 1	Well 2
Chase	2671	2667	+155	+4	+2
Winfield	2738	2734	+88	+5	+4
Towanda	2783	2781	+41	+11	+6
Fort Riley	2835	2834	-12	+10	+8
Cottonwood	3115	3117	-295	+3	+3
Neva	3157	3161	-339	+7	+1
Foracker	3272	3274	-452	+8	0
Root Shale	3496	3500	-678	+2	+2
Stotler	3514	3518	-695	+4	+3
Tarkio	3581	3586	-764	+2	-7
Topeka	3779	3785	-963	+6	+1
LeCompton	3974	3982	-1160	+10	+2
Heebner	4118	4127	-1305	+3	+1
Toronto	4138	4141	-1319	+8	+5
Douglas	4161	4171	-1349	-4	-4
Iatan	4214	4223	-1401	+5	+1
Lansing	4226	4235	-1413	+1	0
Muncie Creek	4446	4457	-1635	+2	+1
Stark	4609	4620	-1798	+4	-2
Swope	4621	4632	-1810	+4	-1
Marmaton	4739	4750	-1928	-2	+2
Pawnee	4829	4840	-2018	-6	0
Labette Shale	4857	4860	-2038	+6	+10
Cherokee Shale	4876	4887	-2065	-5	0
Lower Cherokee Shale	4916	4926	-2104	0	+2
Morrow Shale	5106	5104	-2282	+1	+4
Morrow Sand	5114	5112	-2290	+16	-5
Miss-Chester	5179	5177	-2355	-7	-2
Saint Gen	5262	5260	-2438	+2	+16
Saint Louis	5333	5326	-2504	-22	-26
Spergen	5462	5454	-2632	+6	+1
Total Depth	5530	5534	-2712		

Reference Well No. 1: Falcon Exploration, Inc. James Koehn No. 3-31(NW) S2 S2 N2 NW Sec 31 T28S R30W
 Reference Well No. 2: Falcon Exploration, Inc. Jantz No. 2-30(SW) S2 NW SW SW Sec 30 T28S R30W

Due to the results of the Drill Stem Tests and the electric log calculations, it was decided to plug this test well.

Respectfully submitted,
 Macklin M. Armstrong

ROCK TYPES

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

ACCESSORIES

MINERAL

P Pyrite
 • Sandy
 △ Chert White

FOSSIL

◇ Brachiopod
 ⊙ Crinoids
 F Fossils < 20%
 φ Oolite
 ♂ Pellets
 ⊕ Fossilinid

STRINGER

••• Siltstone

TEXTURE

C Chalky

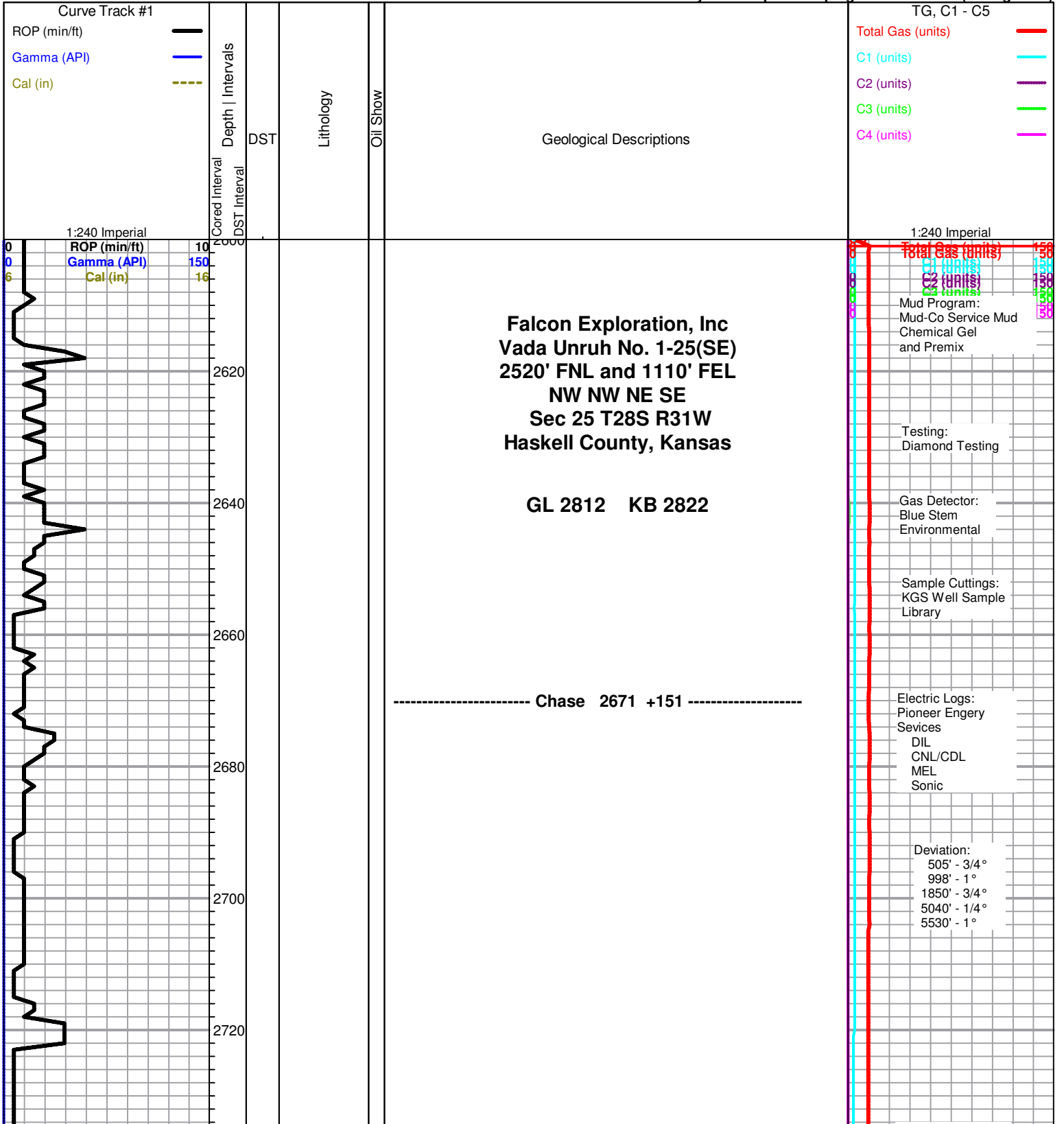
OTHER SYMBOLS

MISC

DST

- MISC**
- Daily Report
 - Digital Photo
 - Document
 - Folder
 - Link
 - Vertical Log File
 - Horizontal Log File
 - Core Log File
 - Drill Cuttings Rpt

- DST**
- DST Int
 - DST alt
 - Core



2740
2760
2780
2800
2820
2840
2860
2880
2900
2920
2940

ROP (min/ft) 10
Gamma (API) 150
Cal (in) 16

----- Winfield 2738 +84 -----

----- Towanda 2783 +39 -----

----- Fort Riley 2835 -13 -----

All formation tops on this geological log have been correlated back to the electric log

Total Gas (units) 50
C1 (units) 150
C2 (units) 150
C3 (units) 150
C4 (units) 150

2960
2980
3000
3020
3040
3060
3080
3100
3120
3140
3160

ROP (min/ft) 10
Gamma (API) 150
Cal (in) 16

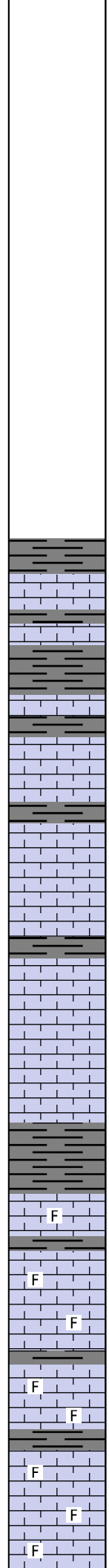
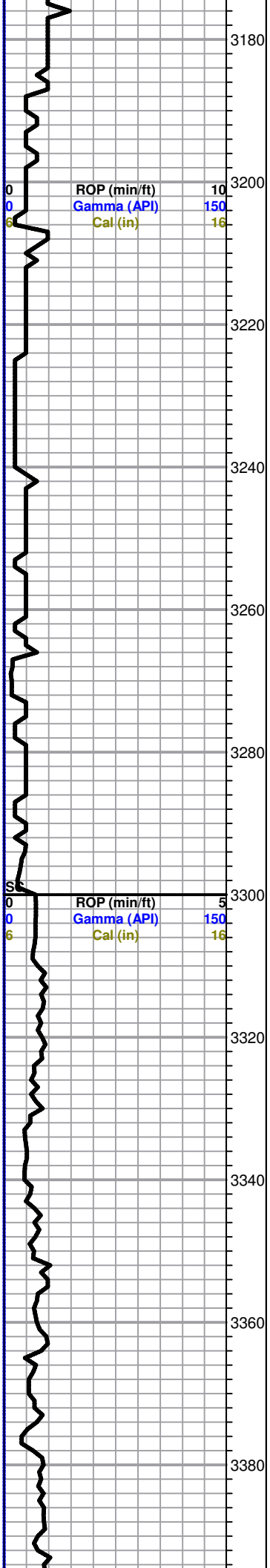


----- Cottonwood 3115 -293 -----

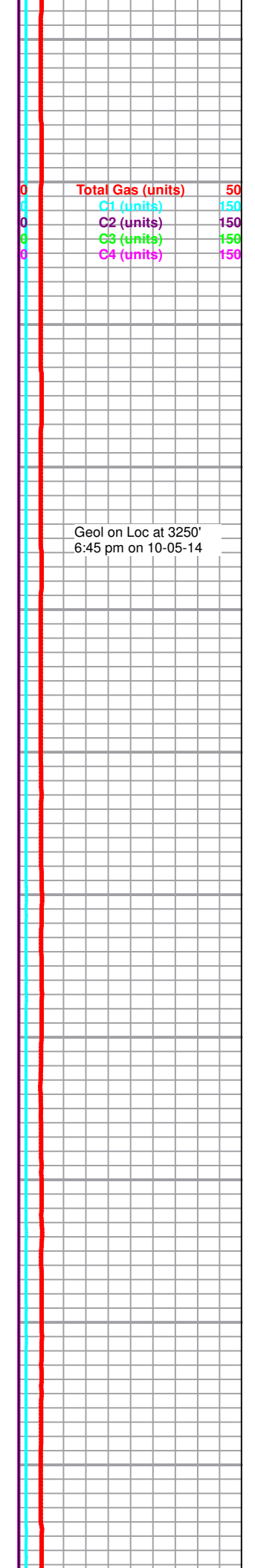
----- Neva 3157 -335 -----

Total Gas (units) 50
C1 (units) 150
C2 (units) 150
C3 (units) 150
C4 (units) 150

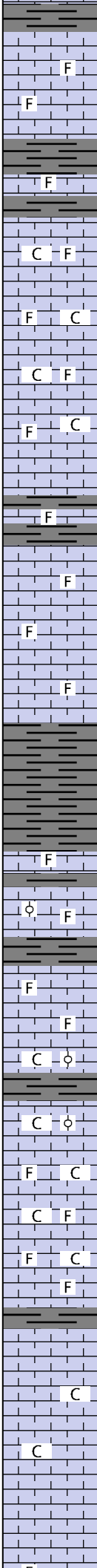
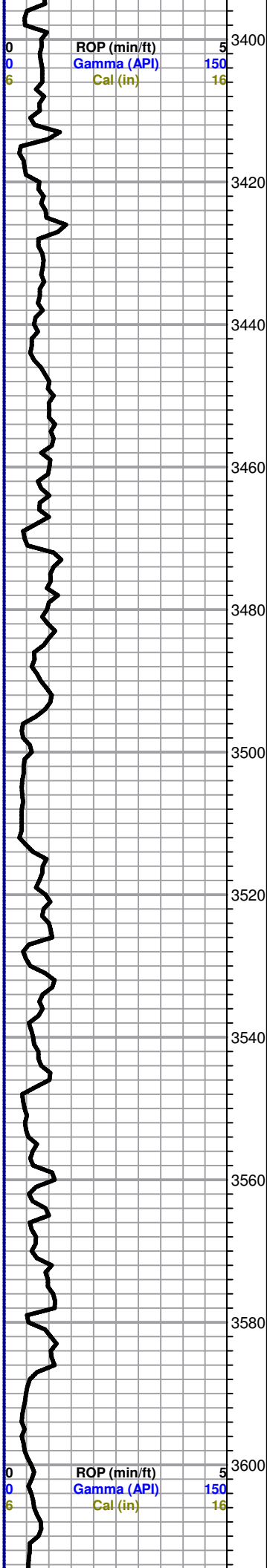




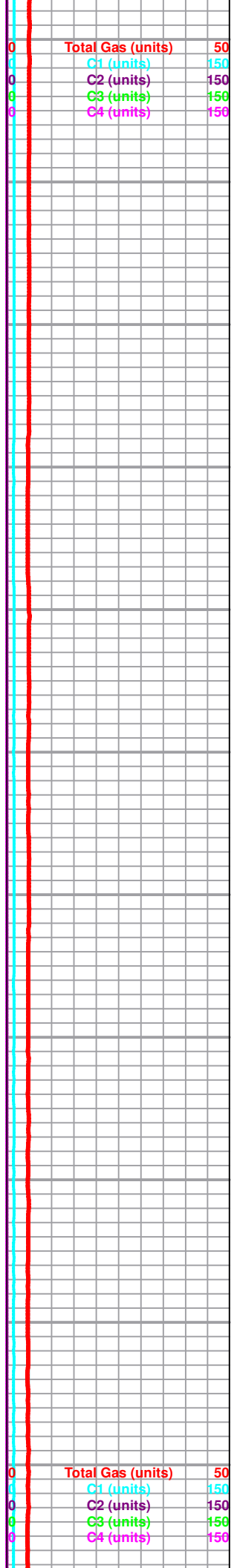
Sh-gry/dk gry
 Ls-lt gry/crm fxln mhd fr inte xln por nsfo
 Sh-gry/dk gry
 Ls-crm/lt gry fxln mhd no por
 Sh-gry/dk gry
 ----- **Foraker 3272 -450** -----
 Ls-lt gry/crm fxln mhd no por
 Sh-gry/dk gry
 Ls-lt gry/crm fxln mhd no por
 Sh-gry/dk gry
 Ls-crm/lt gry fxln mhd no por
 Ls-AA
 Ls-lt gry fxln mhd no por
 Sh-gry/dk gry
 Ls-lt gry fxln mhd no por
 Ls-AA
 Ls-lt gry/crm fxln mhd no por
 Ls-AA
 Sh-gry/dk gry
 Ls-lt gry/crm fxln mhd sl fos no por
 Sh-gry/dk gry
 Ls-crm/lt gry fxln mhd sl fos no por
 Ls-AA
 Sh-gry/dk gry
 Ls-crm/lt gry fxln mhd sl fos no por
 Sh-gry/dk gry
 Ls-crm/lt gry fxln mhd sl fos no por
 Ls-AA
 Ls-crm/lt gry fxln mhd sl fos no por



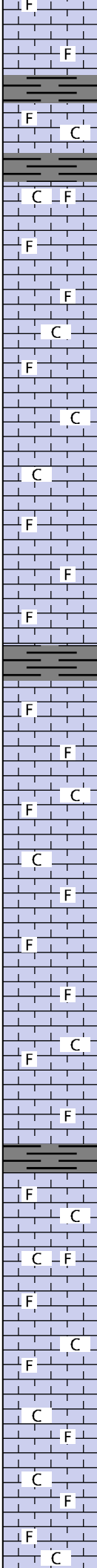
Geol on Loc at 3250'
 6:45 pm on 10-05-14



Sh-gry/dk gry
 Ls-crm/lt gry fxln mhd sl fos no por
 Ls-AA
 Sh-gry/dk gry
 Ls-crm/gry fxln mhd sl fos no por
 Sh-gry/dk gry
 Ls-crm/gry f/mxln soft/mhd sl clkly sl fos no por
 Ls-AA
 Ls-AA
 Ls-crm/gry f/mxln mhd sl clkly sl fos no por
 Ls-AA
 Ls-AA
 Sh-gry/dk gry
 Ls-gry f/mxln mhd sl fos no por
 Sh-gry/dk gry
 Ls-gry f/mxln mhd sl fos no por
 Ls-AA
 Ls-gry/brn fxln mhd/dns sl fos no por
 Ls-AA
 ----- **Root Shale 3496 -674** -----
 Sh-gry/dk gry
 Sh-AA
 Sh-AA
 ----- **Stotler 3514 -692** -----
 Ls-gry mott dk gry f/mxln dns fos no por
 Sh-gry/dk gry
 Ls-tan/gry sm mott dk gry fxln mhd/dns sl fos sl ool no por
 Sh-gry/dk gry
 Ls-gry fxln mhd sl fos no por
 Ls-AA
 Ls-crm/lt gry fxln mhd clkly fos sl ool no por
 Sh-gry/dk gry
 Ls-crm/lt gry fxln mhd clkly fos sl ool pr por inter xln por nsfo
 Ls-crm/lt gry fxln soft clkly fos pr inter xln por nsfo
 Ls-crm/lt gry fxln mhd sl clkly fos no por
 Ls-crm/lt gry fxln soft clkly fos pr inter xln por nsfo
 Ls-crm/tan f/mxln mhd sl fos no por
 ----- **Tarkio 3581 -759** -----
 Ls-crm/tan fxln dns no por
 Ls-crm/tan f/mxln soft clkly pr inter xln por nsfo
 Ls-AA
 Ls-lt gry/crm fxln mhd no por
 Ls-AA



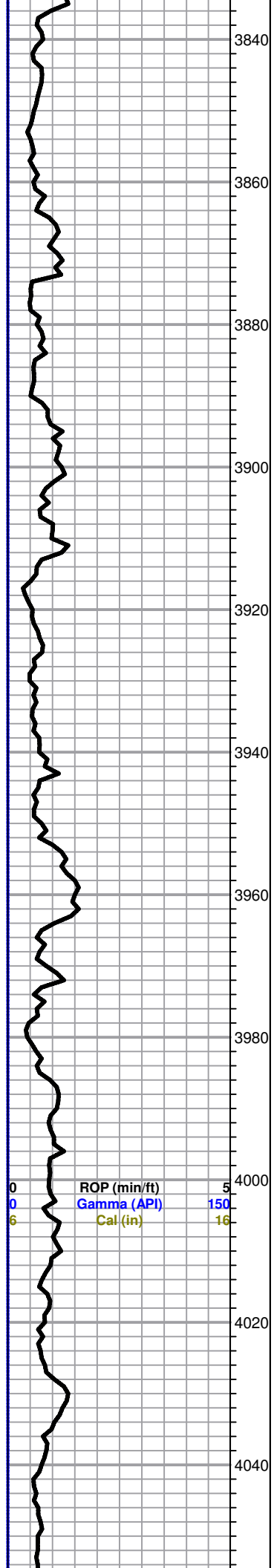
3620
3640
3660
3680
3700
3720
3740
3760
3780
3800
3820



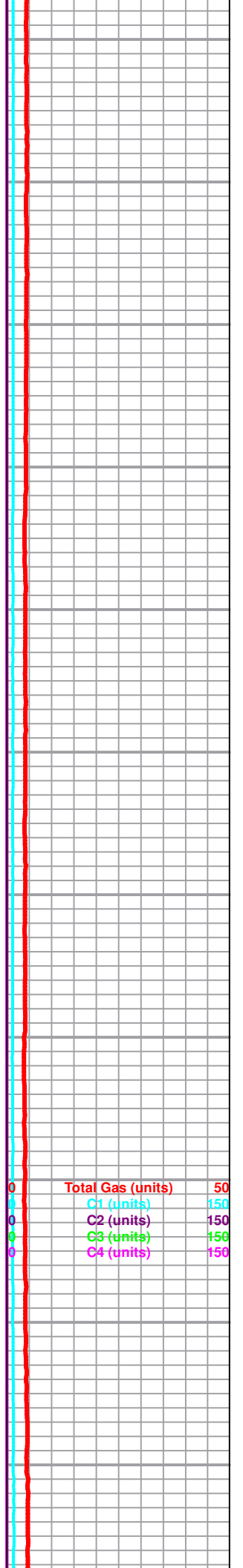
Ls-crm/lt gry fxln dns sl fos no por
Ls-AA
Sh-gry/dk gry
Ls-crm/lt tan fxln soft clkly sl fos pr inter xln por nsfo
Sh-gry/dk gry
Ls-crm/lt tan fxln mhd sl clkly sl fos no por
Ls-lt gry/crm f/mxln dns sl fos no por
Ls-AA
Ls-crm/lt tan fxln mhd sl clkly no por
Ls-crm/tan/lt gry f/mxln mhd fos pr inter xln por nsfo
Ls-crm/lt tan fxln mhd sl clkly no por
Ls-AA
Ls-lt gry/gry f/mxln mhd/dns sl fos no por
Ls-AA
Ls-lt gry/gry f/mxln soft/mhd pr/fr inter xln por nsfo
Sh-gry/dk gry
Ls-lt gry/tan fxln mhd/dns sl fos no por
Ls-AA
Ls-crm/tan/lt gry fxln soft/mhd sl fos clkly fr inter xln por nsfo
Ls-crm/tan fxln mhd sl clkly no por
Ls-lt gry f/mxln dns fos no por
Ls-AA
Ls-lt gry/gry f/mxln mhd fos no por
Ls-lt gry/crm f/xln mhd sl fos no por sm Ls-wt fxln soft clkly no por
Ls-gry f/mxln mhd/dns fos no por
Ls-AA
----- **Topeka 3779 -957** -----
Ls-lt gry/crm/tan f/mxln mhd sl clkly sl fos no por
Ls-crm/lt gry f/mxln soft sl clkly sl fos fr inter xln por nsfo
sm Ls-wt fxln soft clkly no por
Ls-crm/tan f/mxln dns sl clkly sl fos no por
Ls-AA
Ls-crm/tan/lt gry f/mxln dns sl clkly fos no por
Ls-AA
Ls-tan/gry fxln soft/mhd sl fos pr inter xln por nsfo

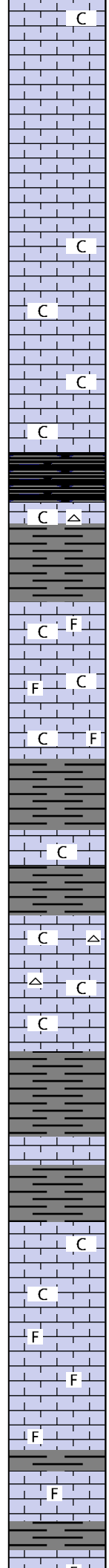
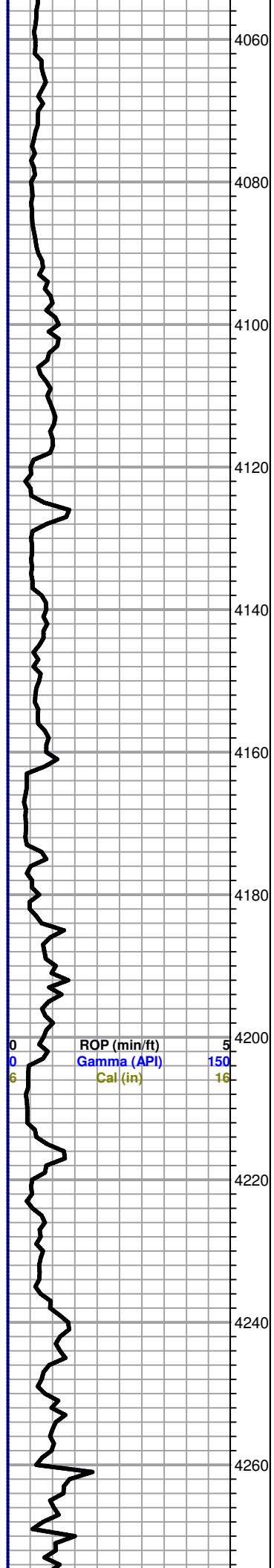
ROP (min/ft) 5
Gamma (API) 150
Cal (in) 16

Total Gas (units) 50
C1 (units) 150
C2 (units) 150
C3 (units) 150
C4 (units) 150

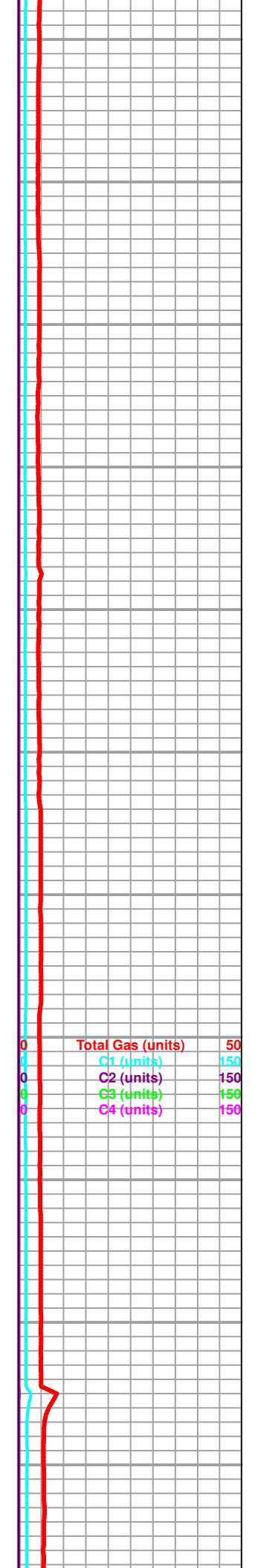


3840	F	Ls-AA
	C	
	F	Ls-crm/lt gry f/mxln mhd/dns sl fos no por
3860	F	Ls- AA
	C	Ls-crm/tan/lt gry f/mxln dns sl clkly no por
		Sh-gry/dk gry
3880	C	Ls-crm/lt gry fxln soft sl clkly fr inter xln por nsfo sm Ls-wt fxln soft clkly no por
	C	Ls-tan/gry f/mxln mhd fos no por
	F	Ls-AA
	F	Ls-tan/gry f/mxln dns sl fos no por
3900		Ls-AA
		Ls-AA
	F	Ls-crm/tan f/mxln soft sl clkly sl fos no por sm Ls-wt fxln soft clkly
	C	Ls-AA
3920	C	Ls-crm/tan f/mxln mhd/dns sl clkly sl fos no por
	F	Ls-crm/tan f/mxln mhd sl clkly sl fos no por
	C	Ls-AA
3940	F	Ls-crm/tan f/mxln mhd/dns sl clkly sl fos no por
	F	Ls-crm/lt tan f/mxln mhd sl clkly sl fos no por
	C	Ls-AA
3960	F	Ls-tan/lt gry f/mxln mhd/dns fos no por
		Sh-gry/dk gry
	C	Ls-crm/lt tan f/mxln mhd sl clkly no por
		----- Lecompton 3974 -1152 -----
3980	C	Ls-crm/lt tan f/mxln soft sl clkly no por sm Ls-wt fxln soft clkly no por
		Sh-gry/dk gry
	F	Ls-lt gry f/mxln mhd/dns fos no por
	F	Ls-AA
4000	F	Ls-AA
		Sh-gry/dk gry
	F	Ls-lt gry f/mxln mhd fos no por
	F	Ls-AA
4020	F	Ls-lt gry fxln dns sl fos no por
	F	Ls-AA
		Sh-gry/dk gry
	F	Ls-lt gry/gry f/mxln mdh/dns sl fos no por
4040	F	Ls-AA
	C	Ls-lt gry/lt tan f/mxln soft sl clkly no por sm Ls-wt fxln soft clkly no por

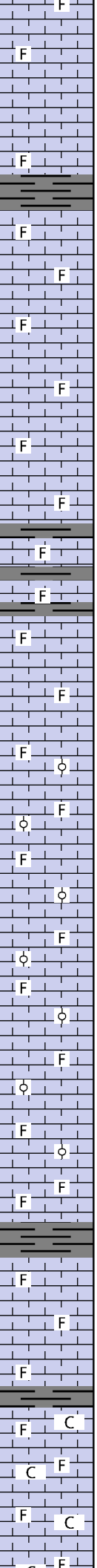




Ls-AA
 Ls-gry/lt gry fxln dns no por
 Ls-AA
 Ls-lt gry fxln dns no por
 Ls-lt gry/crm fxln mhd sl clk no por
 Ls-AA
 Ls-lt gry/crm fxln mhd sl clk no por
 Ls-AA
 Ls-lt gry/crm fxln mhd sl clk no por
 ----- **Heebner 4118 -1296** -----
 Sh-blk carb
 Ls-lt gry/gry fxln dns no por sm Cht-wt fsh opa
 Sh-gry/dk gry
 ----- **Toronto 4138 -1316** -----
 Ls-crm/wt fxln soft clk sl fos no por
 Ls-AA
 Ls-lt gry/crm f/mxln mhd sl clk sl fos no por
 ----- **Douglas 4161 -1339** -----
 Sh-gry/dk gry
 Ls-lt gry/crm fxln soft/mhd clk no por
 Sh-gry/dk gry
 Ls-lt gry/crm fxln mhd sl clk no por sm Cht-wt fsh opa
 Ls-AA sm Cht-wt fsh opa
 Ls-lt gry/crm fxln mhd sl clk no por
 Sh-gry/dk gry
 Sh-AA
 ----- **Iatan 4214 -1392** -----
 Ls-tan/brn fxln dns no por
 Sh-gry/dk gry
 ----- **Lansing 4226 -1404** -----
 Ls-tan fxln soft/mhd sl clk no por
 Ls-AA
 Ls-crm/tan fxln mhd sl fos no por
 Ls-AA
 Ls-crm/lt gry fxln dns sl fos no por
 Sh-gry/dk gry
 Ls-crm/tan f/mxln mhd sl fos no por
 Sh-gry/dk gry
 Ls-lt gry fxln mhd sl fos no por



4280
4300
4320
4340
4360
4380
4400
4420
4440
4460
4480



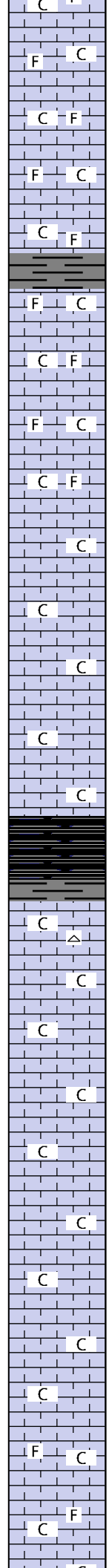
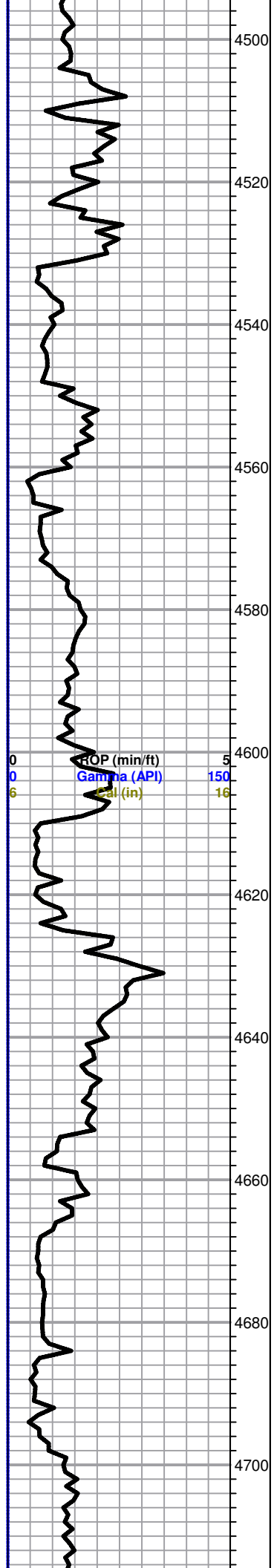
Ls-lt gry fxl n mhd sl fos no por
Ls-AA
Ls-It gry/gry fxl n mhd no por
Ls-AA
Ls-It gry/tan f/mxln mhd sl fos no por
Sh-gry/dk gry
Ls-It gry/tan f/mxln mhd sl fos no por
Ls-It gry/crm fxl n mhd sl fos nsfo
Ls-AA
Ls-It gry/gry/brn f/mxln mhd sl fos no por
Ls-AA
Ls-It gry/gry/dk gry f/mxln mhd sl fos no por
Ls-AA
Sh-gry/dk gry
Ls-It gry/gry/tan fxl n mhd sl fos no por
Sh-gry/dk gry
Ls-It gry fxl n dns sl fos no por
Sh-gry/dk gry
Ls-It gry fxl n dns sl fos no por
Ls-It gry/crm mott dk gry f/mxln mhd sl fos no por
Ls-AA
Ls-tan/lt gry f/mxln soft fos sl ool sl ooc fr inter ool/ooc por nsfo
Ls-AA
Ls-crm/tan/gry f/mxln soft/mhd fos ool and ooc fr ooc por nsfo
Ls-AA
Ls-crm/tan f/mxln soft fos ool and ooc fr ooc por nsfo
Ls-AA
Ls-tan/lt gry f/mxln soft fos sl ool fr inter ool por nsfo
Ls-AA
Ls-AA
Ls-It gy/gry f/mxln dns sl fos no por
Ls-It gry/gry/tan fxl n mhd sl fos no por
----- **Muncie Creek 4446 -1624** -----
Sh-gry/dk gry
Ls-It gry/gry fxl n mhd sl fos no por
Ls-It gry/crm mott gry f/mxln soft sl fos pr inter xln por nsfo
Ls-It gry/crm f/mxln mhd/dns sl fos no por
Sh-gry/dk gry
Ls-It gry/crm f/mxln mhd/dns clky sl fos no por
Ls-It gry f/mxln mhd sl fos sl fos no por
Ls-It gry f/mxln mhd/dns sl clky sl fos no por

ROP (min/ft) 5
Gamma (API) 150
Cal (in) 16

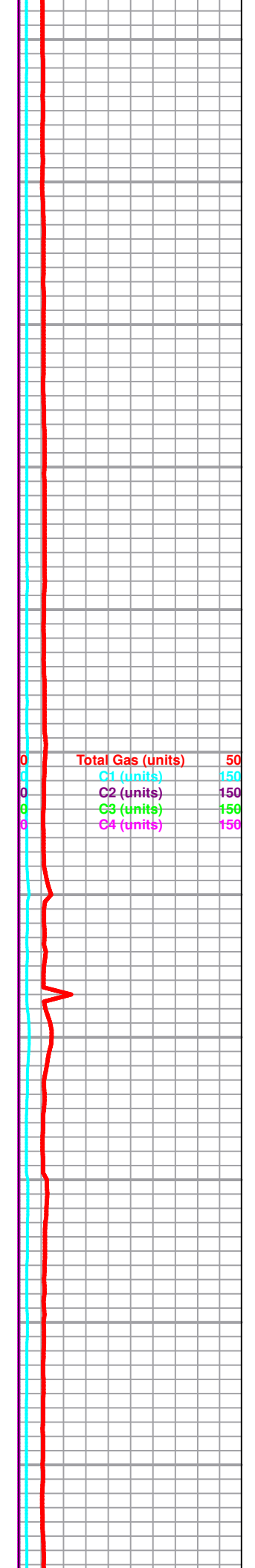
Gas test at 4350'

Mud Data at 4389'
1:10 pm 10-06-14
Wt 9.4 Vis 43
WL 11.6 pH 10
Chl 4400 Sol 7.6%
YP 14 LCM 1/2#

Total Gas (units)	50
C1 (units)	150
C2 (units)	150
C3 (units)	150
C4 (units)	150

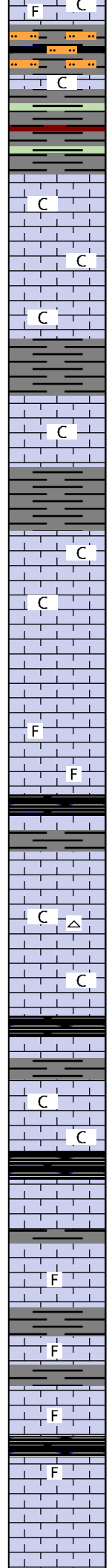
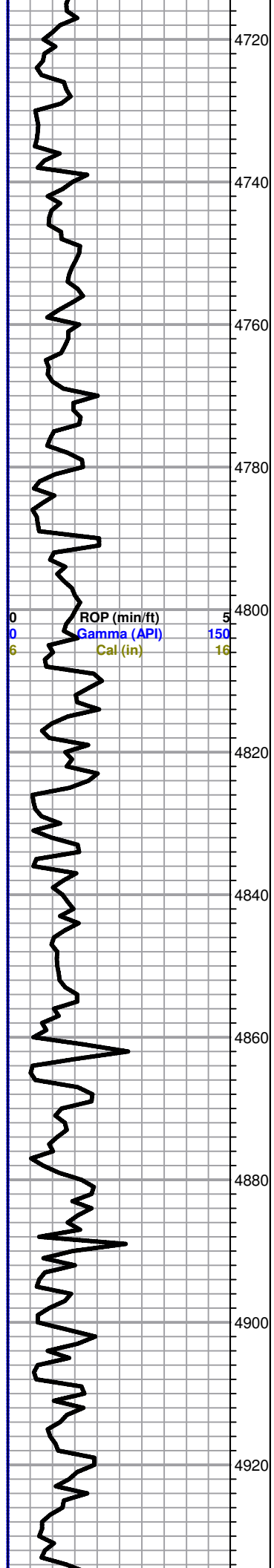


Ls-AA
 Ls-lt gry/crm f/mxln mhd sl clkly sl fos no por
 Ls-AA
 Ls-lt gry/tan f/mxln mhd sl clkly sl fos no por
 Ls-AA
 Ls-tan/gry f/mxln mhd clkly sl fos no por
 Sh-gry/dk gry
 Ls-tan/gry f/mxln mhd clkly sl fos no por
 Ls-tan/gry fxln dns clkly sl fos no por
 Ls-AA
 Ls-crm/lt gry mott gry f/mxln soft/mhd clkly sl fos no por
 Ls-AA
 Ls-lt gry fxln mhd sl clkly no por
 Ls-lt gry/crm fxln mhd/dns sl cly no por
 Ls-AA
 Ls-lt gry/gry fxln mhd sl clkly no por
 Ls-lt gry/gry fxln dns sl clkly no porr
 ----- Stark 4609 -1787 -----
 Sh-blk carb
 ----- Swope 4621 -1799 -----
 Ls-lt gry/gry fxln mhd sl clkly no por sm Cht-wt fsh opaq
 Ls-lt gry/gry fxln mhd/dns sl clkly no por
 Ls-AA
 Ls-lt gry/gry fxln mhddns sl clkly no por sm Ls-crm mott gry fxln soft clkly no por
 Ls-AA
 Ls-gry fxln mhd/dns sl clkly no por
 Ls-lt gry/gry fxln mhd sl clkly no por
 Ls-AA
 Ls-lt gry/gry fxln mhd sl clkly no por
 Ls-AA
 Ls-lt gry/gry fxln mhd sl clkly sl fos no por
 Ls-AA
 Ls-lt gry fxln mhd/dns sl clkly sl fos no por

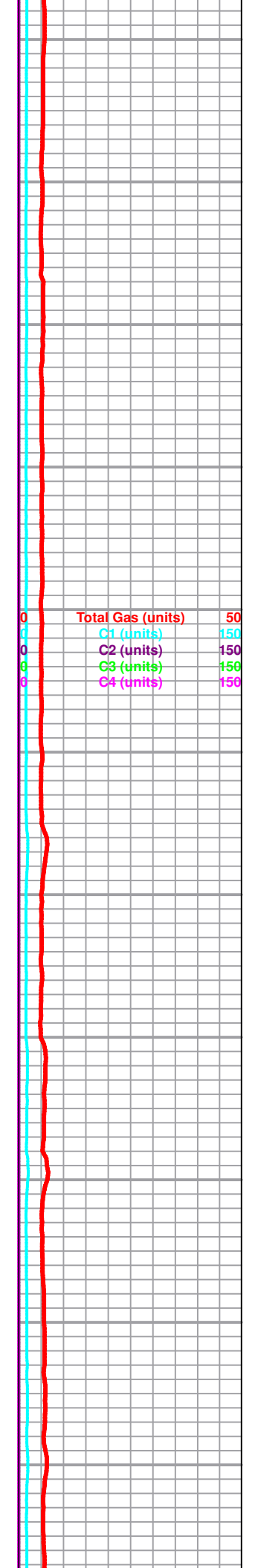


ROP (min/ft) 5
 Gamma (API) 150
 SFL (in) 16

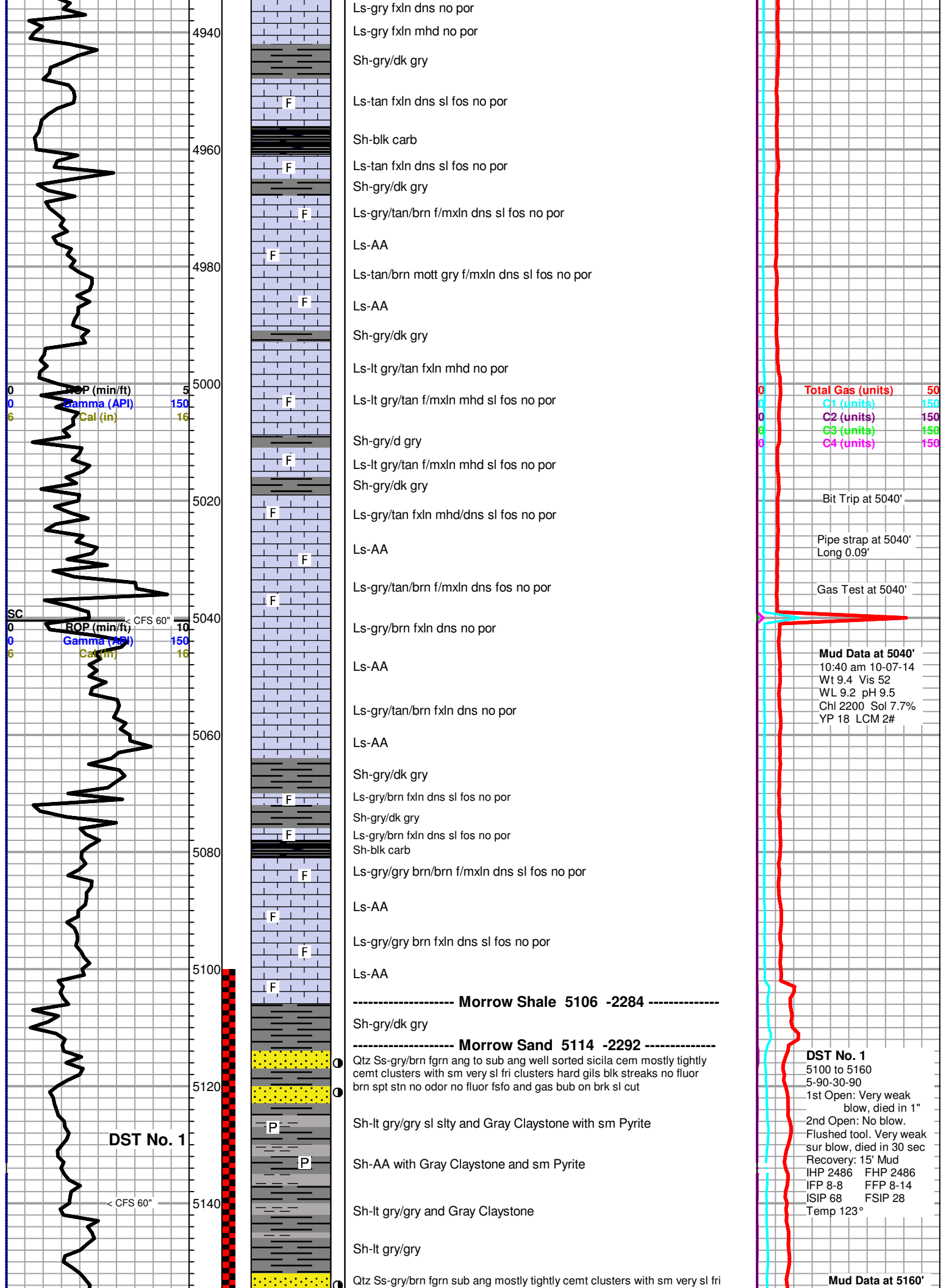
Total Gas (units) 50
 C1 (units) 150
 C2 (units) 150
 C3 (units) 150
 C4 (units) 150



Sh-gry/dk gry/blk sm Siltstone-lt gry/gry grn vfgrn
 Ls-lt gry fxln mhd/dns sl clky no por
 Sh-gry/dk gry/dk grn/sm mar
 ----- **Marmaton 4739 -1917** -----
 Ls-crm/lt tan f/mxln mhd sl clky no por
 Ls-AA
 Ls-crm/lt tan fxln mhd sl clky no por
 Sh-gry/dk gry
 Ls-crm/lt gry fxln mhd sl clky no por
 Sh-gry/dk gry
 Ls-lt gry/crm fxln mhd sl clky no por
 Ls-AA
 Ls-crm/lt gry/gry fxln mhd/dns no por
 Ls-AA
 Ls-tan/crm fxln dns sl fos no por
 ----- **Pawnee 4829 -2007** -----
 Ls-tan fxln dns no por
 Sh-gry/dk gry
 Ls-tan/crm/lt gry f/mxln mhd no por
 Ls-crm/tan fxln mhd sl clky no por sm Cht-wt fsh opaq
 Ls-AA
 Ls-lt gry/crm fxln mhd sl clky no por
 ----- **Labette Shale 4857 -2035** -----
 Sh-blk carb
 Ls-tan/brn fxln dns no por
 Sh-gry/dk gry
 Ls-lt gry/sm crm mott gry f/mxln mhd sl clky no por
 Ls-AA
 ----- **Cherokee Shale 4876 -2054** -----
 Sh-blk carb
 Ls-tan fxln mhd/dns no por
 Sh-gry/dk gry
 Ls-tan/gry f/mxln mhd/dns sl fos no por
 Sh-gry/dk gry
 Ls-tan/gry f/mxln dns sl fos no por
 Sh-gry/dk gry
 Ls-tan/gry f/mxln dns fos no por
 ----- **Lower Cherokee Shale 4916 -2094** -----
 Sh-blk carb
 Ls-tan/gry f/mxln dns sl fos no por
 Ls-gry/tan fxln mhd/dns no por
 Ls-gry/tan fxln mhd no por

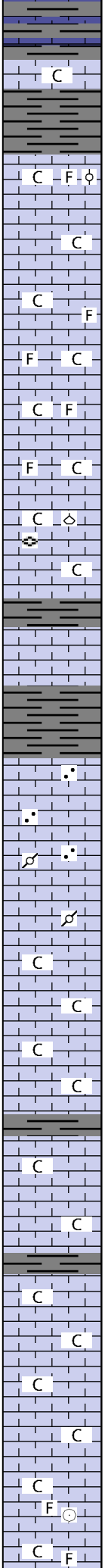
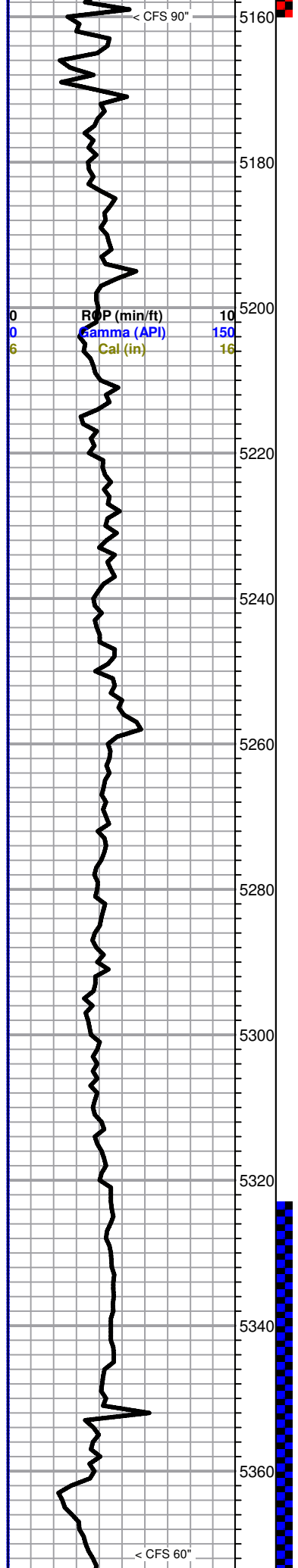


Total Gas (units)	50
C1 (units)	150
C2 (units)	150
C3 (units)	150
C4 (units)	150



clusters sm gils blk streaks brn spt stn no odor no flouo fsfo on brk sl cut

10:50 am 10-08-14
Wt 9.4 Vis 52
WL 9.2 pH 9
Chl 3400 Sol 7.7%
YP 17 LCM 3#



Sh-gry/dk gry with sm Ls-gry mott dk gry fxln mhd/dns no por

Ls-lt gry f/mxln mhd sl clky no por

Sh-lt gry/gry

----- **Miss-Chester 5179 -2357** -----

Ls-lt gry cxln mhd sl clky fos with blk ool and irregular shaped fos no por

Ls-crm/lt gry f/mxln mhd clky no por

Ls-AA

Ls-crm/lt gry m/cxln mhd sl clky sl fos no por

Ls-AA

Ls-gry/lt gry cxln to blkly mhd/dns sl clky fos no por

Ls-AA

Ls-tan/lt gry cxln to blkly mhd sl clky fos no por sm free Fuss and Brach

Ls-crm/lt gry f/mxln mhd clky no por

Sh-gry/dk gry

Ls-lt gry/crm fgran mhd no por

Sh-gry/dk gry

----- **Saint Gen 5262 -2440** -----

Ls-lt gry/crm/wt fgran mhd/dns no por

Ls-AA

Ls-crm/lt gry/wt fgran to pelletal mhd sl fos no por

Ls-AA

Ls-crm/lt tan fxln clky mhd no por

Ls-AA

Ls-crm/tan fxln sl clky mhd no por

Ls-AA

Sh-gry/dk gry

Ls-crm/lt tan fxln to sl gran mhd clky no por

Ls-AA

----- **St Louis 5333 -2511** -----

Ls-crm/wt f/mxln mhd sl clky no por

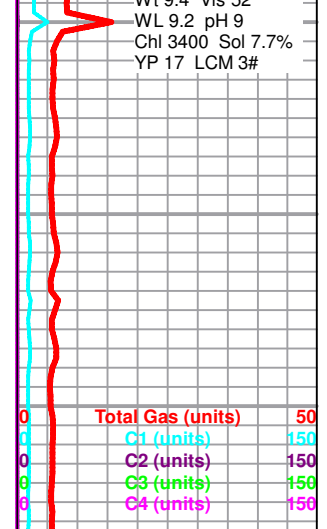
Ls-AA

Ls-crm f/mxln mhd sl clky no por

Ls-crm fxln mhd clky no por

Ls-crm/wt f/mxln mhd sl clky fos sl ool no por sm free Crin

Ls-crm/lt tan f/mxln mhd sl clky sl fos no por

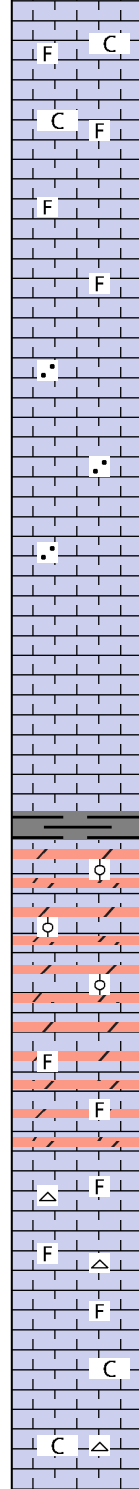
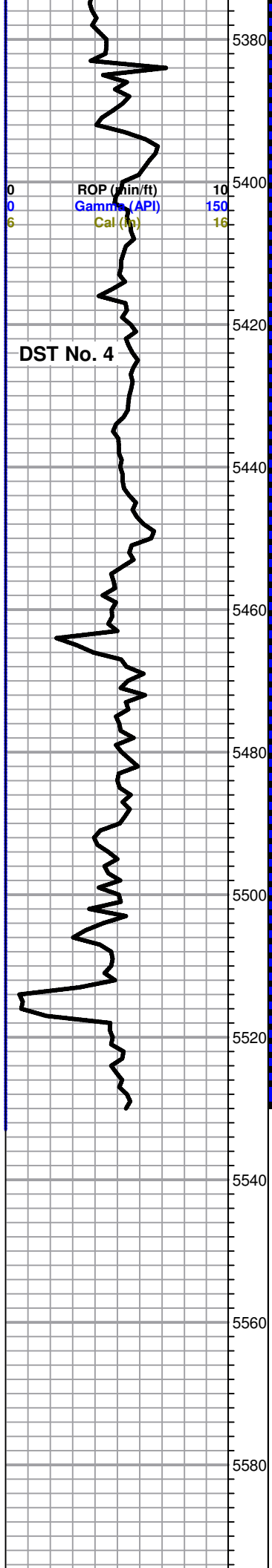


Total Gas (units) 50
C1 (units) 150
C2 (units) 150
C3 (units) 150
C4 (units) 150

Mud Data at 5349'
 10:10 am 10-09-14
 Wt 9.4 Vis 49
 WL 8.8 pH 10.5
 Chl 1800 Sol 7.6%
 YP 17 LCM 2#

DST No. 2
 5350 to 5375

< CFS 60°



5380 F C Ls-AA

5400 C F Ls-AA

F Ls-lt gry/tan f/mxln mhd/dns sl fos no por

F Ls-AA

Ls-lt gry/tan fxln to sl gran mhd/dns no por

5420 Ls-AA

Ls-lt gry/tan fxln to sl gran mhd/dns no por

5440 Ls-AA

Ls-tan f/mxln mhd/dns no por

Ls-AA

----- **Spergen 5462 -2640** -----

Ls-crm/tan f/mxln mhd/dns no por with sm Dolo-gry fxln dns sl fos ool fr inter ool por nsfo

Ls and Dolo-AA

Ls-crm/lt gry fxln mhd/dns no por with sm Dolo-lt gry fxln dns sl fos no por

Ls and Dolo-AA

Ls-crm/tan f/mxln mhd sl fos no por sm Cht-wt fsh opa

Ls and Cht-AA

Ls-crm/tan mxln soft/mhd fos sl clkly fr inter xln por nsfo

Ls-crm/lt tan f/mxln mhd/dns sl clkly no por sm Cht-wt fsh opa

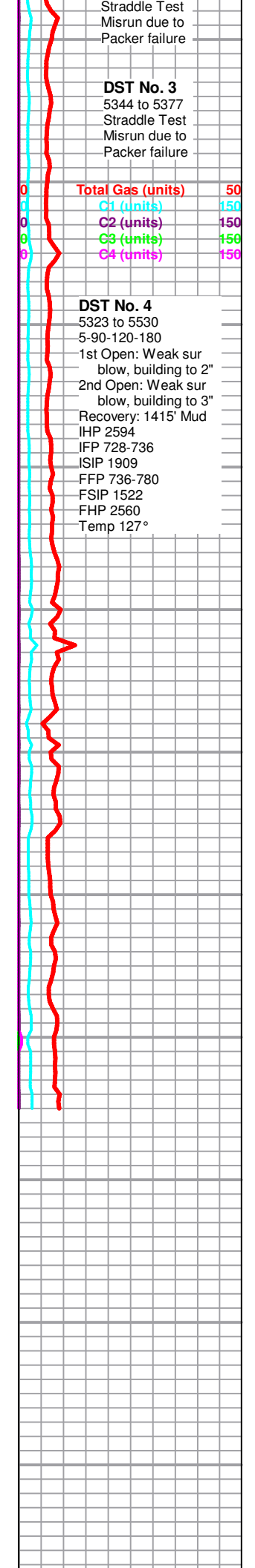
----- **RTD 5530 -2708** -----

Finished Drilling at 5:12 am on 10-10-12. CFS - 60".
 Pulled 10 stand short trip, then Cir for Log - 90"

Finished Logging at 4:56 pm on 10-10-12

VADAUNRUH1-25SEDST1all-2.jpg

VADAUNRUH1-25SEDST4all-2.jpg



DST No. 3
 5344 to 5377
 Straddle Test
 Misrun due to
 Packer failure

Total Gas (units)	50
C1 (units)	150
C2 (units)	150
C3 (units)	150
C4 (units)	150

DST No. 4
 5323 to 5530
 5-90-120-180
 1st Open: Weak sur
 blow, building to 2"
 2nd Open: Weak sur
 blow, building to 3"
 Recovery: 1415' Mud
 IHP 2594
 IFP 728-736
 ISIP 1909
 FFP 736-780
 FSIP 1522
 FHP 2560
 Temp 127°

Customer <i>Falcon Exploration</i>		Lease No.		Date <i>10-17-14</i>	
Lease <i>VADA Wrcuh</i>		Well # <i>1-25</i>		Service Receipt	
Casing <i>8 5/8"</i>		Depth		County <i>Haskell</i>	
Job Type <i>PTA</i>		Formation		State <i>KS</i>	
				Legal Description <i>25-28-31</i>	
Pipe Data			Perforating Data		
Casing size <i>8 5/8"</i>	Tubing Size	Shots/Ft			Cement Data <i>Lead 2105/sk 60/40 lbs 490 Total Gel 13.5709</i>
Depth	Depth	From	To	Tail in	
Volume	Volume	From	To		
Max Press	Max Press	From	To		
Well Connection	Annulus Vol.	From	To		
Plug Depth <i>DTA 1860'</i>	Packer Depth	From	To		
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>0800</i>					<i>Called out</i>
<i>1230</i>					<i>ON Location</i>
<i>1250</i>					<i>Safety Meeting</i>
<i>1300</i>					<i>Setup Test Lines</i>
<i>1320</i>					<i>Pump 1 BBL Water 50sk</i>
<i>1337</i>			<i>13.4 BBLs</i>	<i>3</i>	<i>Mix Pump 1st Plug 1860' - 1580'</i>
<i>1343</i>			<i>21</i>	<i>3</i>	<i>Displace 1st Plug PLH to 860'</i>
					<i>2nd Plug 860' - 600' 40sk</i>
<i>1505</i>			<i>10.3 BBLs</i>	<i>3</i>	<i>Mix pump Cement</i>
			<i>5.6 BBLs</i>		<i>Displace</i>
<i>1525</i>					<i>3rd Plug 350' - 150' 50sk</i>
			<i>1.3 BBLs</i>		<i>Mix pump Cement</i>
			<i>1.3 BBLs</i>		<i>Displace</i>
<i>1540</i>			<i>5.8 BBLs</i>	<i>3</i>	<i>Surface Plug 60' to Surface 20sk</i>
			<i>1/2 BBL</i>		<i>Displace 1/2 BBLs</i>
<i>1550</i>					<i>Rat Hole 30sk</i>
<i>1600</i>					<i>Waste Hole 20sk</i>
					<i>Job Completed</i>
					<i>BASIC</i>
					<i>THANKS YOU</i>
Service Units	<i>21755</i>	<i>70897-19570</i>	<i>27808-19853</i>		
Driver Names	<i>Roger</i>	<i>Sam</i>	<i>Carlos</i>		

Rick Smith
Customer Representative

Jenny Bennett
Station Manager

Roger Bennett
Cementer



Cement Report

Customer	Falcon Exploration			Lease No.		Date	10/3/14	
Lease	Vada Vukuh			Well #	1-25	Service Receipt	171706144A	
Casing	8 5/8 24"	Depth	1847	County	Haskell	State	KS	
Job Type	Surface		Formation	Legal Description				
Pipe Data				Perforating Data				Cement Data
Casing size	8 5/8 / 24#		Tubing Size	Shots/Ft				Lead 460 sk ton @ 11.4
Depth	1847		Depth	From	To			
Volume	114.7		Volume	From	To			2.95 18.10
Max Press	2000		Max Press	From	To			Tail in 150 sk Premix @ 14.8
Well Connection	PC		Annulus Vol.	From	To			
Plug Depth	1803.52		Packer Depth	From	To			1.34 6.33
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log			
05:00					Call out			
08:00					On location			
09:00					Safety mtg w/BES Employees			
09:15					Rig up / Running Casing			
11:30					Safety mtg			
12:15					Pressure Test 2200psi			
12:30	100		20	4	Start Pumping Stop loss			
12:45	310		24.68	5	Start Lead cement			
13:40	200		35.79	4.2	Start Tail cement			
13:45					Shutdown / Drop plug			
13:50	160		114.70	5	Start disp Washup on plug			
14:40					Shot down wait 5 min head return to pit			
14:45					Start Pump			
14:50	680				Plug down			
	1500				Pressure up			
					Released Sect			
					Plug Held Job Complete			
Service Units	86573	38117/19919	19827/34325	30463/19566				
Driver Names	Tommy M.	Daniel B.	Norma B.	Santiago C.				

Chuck
Customer Representative

Jerry Bennett
Station Manager

Tommy Marcelles
Cementer