



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1208594
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: _____

1208594

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: 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: <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 <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Falcon Exploration, Inc.
Well Name	KENNETH DIRKS 3-8(SE)
Doc ID	1208594

All Electric Logs Run

DIL
MEL
BHCS
CNL/CDL

Form	ACO1 - Well Completion
Operator	Falcon Exploration, Inc.
Well Name	KENNETH DIRKS 3-8(SE)
Doc ID	1208594

Tops

Name	Top	Datum
STOTLER	3533	-715
LANSING	4242	1424
PAWNEE	4834	-2016
CHEROKEE	4882	-2064
MORROW SS	5106	-2288
MISS/CHESTER	5144	-2326
MISS/ST GEN	5226	-2408
ST LO B POR	5295	-2477

DIAMOND TESTING

General Information Report

General Information

Company Name	FALCON EXPLORATION, INC.	Representative	TIM VENTERS
Contact	JASON MITCHELL	Well Operator	FALCON EXPLORATION, INC.
Well Name	KENNETH DIRKS #3-8 (SE)	Report Date	2014/03/08
Unique Well ID	DST #1, MORROW SD., 5084-5133	Prepared By	TIM VENTERS
Surface Location	SEC 8-28S-30W GRAY CO. KS.	Qualified By	KEITH REAVIS
Field	WILDCAT		
Well Type	Vertical		
Test Type	CONVENTIONAL		
Formation	DST #1, MORROW SD., 5084-5133		
Well Fluid Type	01 Oil		
Start Test Date	2014/03/07	Start Test Time	15:46:00
Final Test Date	2014/03/08	Final Test Time	11:22:00

Test Recovery:

RECOVERED: 2990' GAS IN PIPE
20' GO, 6% GAS, 94% OIL, GRAVITY: 20
480' G, SWCO, 4% GAS, 82% OIL, 14% WATER
1440' G, SMCO, 3% GAS, 87% OIL, 10% MUD
125' G, OCM, 6% GAS, 21% OIL, 73% MUD
2065' TOTAL FLUID

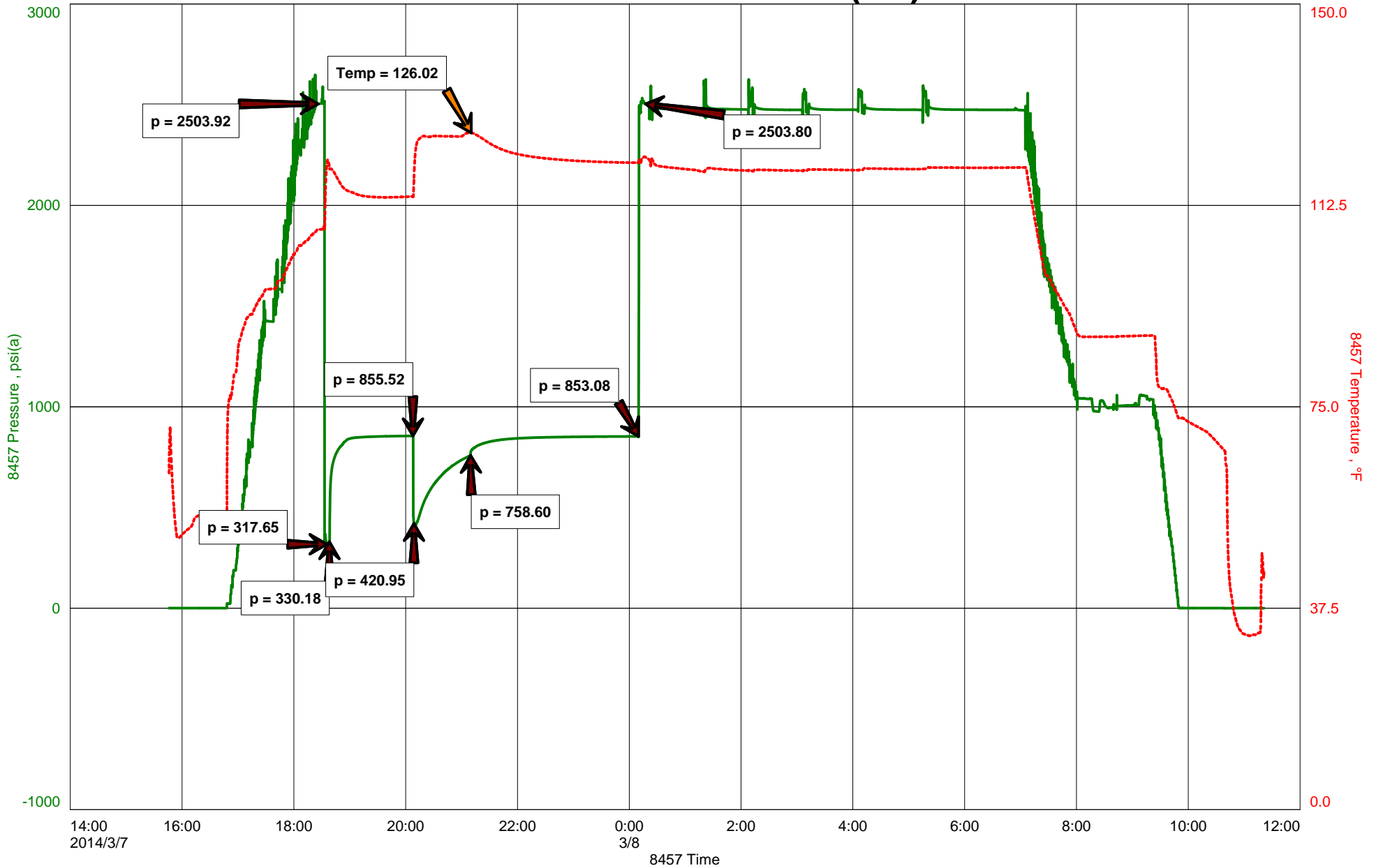
TOOL SAMPLE: 97% OIL, 3% MUD

CHLORIDES: 83,000 ppm
PH: 6.0
RW: .10 @ 64 deg.

FALCON EXPLORATION, INC.
DST #1, MORROW SD., 5084-5133
Start Test Date: 2014/03/07
Final Test Date: 2014/03/08

KENNETH DIRKS #3-8 (SE)
Formation: DST #1, MORROW SD., 5084-5133
Pool: WILDCAT
Job Number: T318

KENNETH DIRKS #3-8 (SE)





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

TIME ON: 15:46 3-7-14
 TIME OFF: 11:22 3-8-14

DRILL-STEM TEST TICKET
 FILE: KENNETHDIRKS3-8(SE)DST1

Company FALCON EXPLORATION, INC. Lease & Well No. KENNETH DIRKS 3-8 (SE)
 Contractor VAL ENERGY, INC. RIG #2 Charge to FALCON EXPLORATION, INC.
 Elevation 2818 KB Formation MORROW SD. Effective Pay _____ Ft. Ticket No. T318
 Date 3-7-14 Sec. 8 Twp. _____ 28 S Range _____ 30 W County GRAY State KANSAS
 Test Approved By KEITH REAVIS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 1 Interval Tested from 5084 ft. to 5133 ft. Total Depth 5133 ft.
 Packer Depth 5079 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 5084 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 5065 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
 Bottom Recorder Depth (Outside) 5130 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type CHEMICAL Viscosity 54 Drill Collar Length _____ ft. I.D. 2 1/4 in.
 Weight 9.5 Water Loss 6.4 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.
 Chlorides 3,000 P.P.M. Drill Pipe Length 5051 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 YES Anchor Length 17 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{32' DP IN ANCHOR} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: GOOD 2 INCH BLOW, BUILDING, REACHING BOB 30 SEC. (BOB BB)
 2nd Open: VERY STRONG BLOW, HITTING BOB INSTANTANEOUSLY. (BOB BB)

Recovered <u>2990</u> ft. of <u>GAS IN PIPE</u>	
Recovered <u>20</u> ft. of <u>GO, 6% GAS, 94% OIL, GRAVITY: 20</u>	
Recovered <u>480</u> ft. of <u>T, SWCO, 4% GAS, 82% OIL, 14% WATER</u>	
Recovered <u>1440</u> ft. of <u>G, SMCO, 3% GAS, 87% OIL, 10% MUD</u>	
Recovered <u>125</u> ft. of <u>G, OCM, 6% GAS, 21% OIL, 73% MUD</u>	Price Job
Recovered <u>2065</u> ft. of <u>TOTAL FLUID</u> CHLORIDES: <u>93,000</u> ppm	Other Charges
Remarks: _____ PH: <u>6.0</u>	Insurance
_____ RW: <u>.10 @ 64 deg.</u>	
TOOL SAMPLE: <u>97% OIL, 3% MUD</u>	Total

Time Set Packer(s) 6:32 PM A.M. P.M. Time Started Off Bottom 12:07 AM A.M. P.M. Maximum Temperature 126 deg.

Initial Hydrostatic Pressure..... (A) 2504 P.S.I.
 Initial Flow Period..... Minutes 5 (B) 318 P.S.I. to (C) 330 P.S.I.
 Initial Closed In Period..... Minutes 90 (D) 856 P.S.I.
 Final Flow Period..... Minutes 60 (E) 421 P.S.I. to (F) 759 P.S.I.
 Final Closed In Period..... Minutes 180 (G) 853 P.S.I.
 Final Hydrostatic Pressure..... (H) 2504 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

General Information Report

General Information

Company Name FALCON EXPLORATION, INC.
Contact JASON MITCHELL
Well Name KENNETH DIRKS #3-8 (SE)
Unique Well ID DST #2, ST. LOUIS, 5293-5331
Surface Location SEC 8-28S-30W, GRAY CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #2, ST. LOUIS, 5293-5331
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator FALCON EXPLORATION, INC.
Report Date 2014/02/09
Prepared By TIM VENTERS
Qualified By KEITH REAVIS

Start Test Date 2014/03/09
Final Test Date 2014/03/09

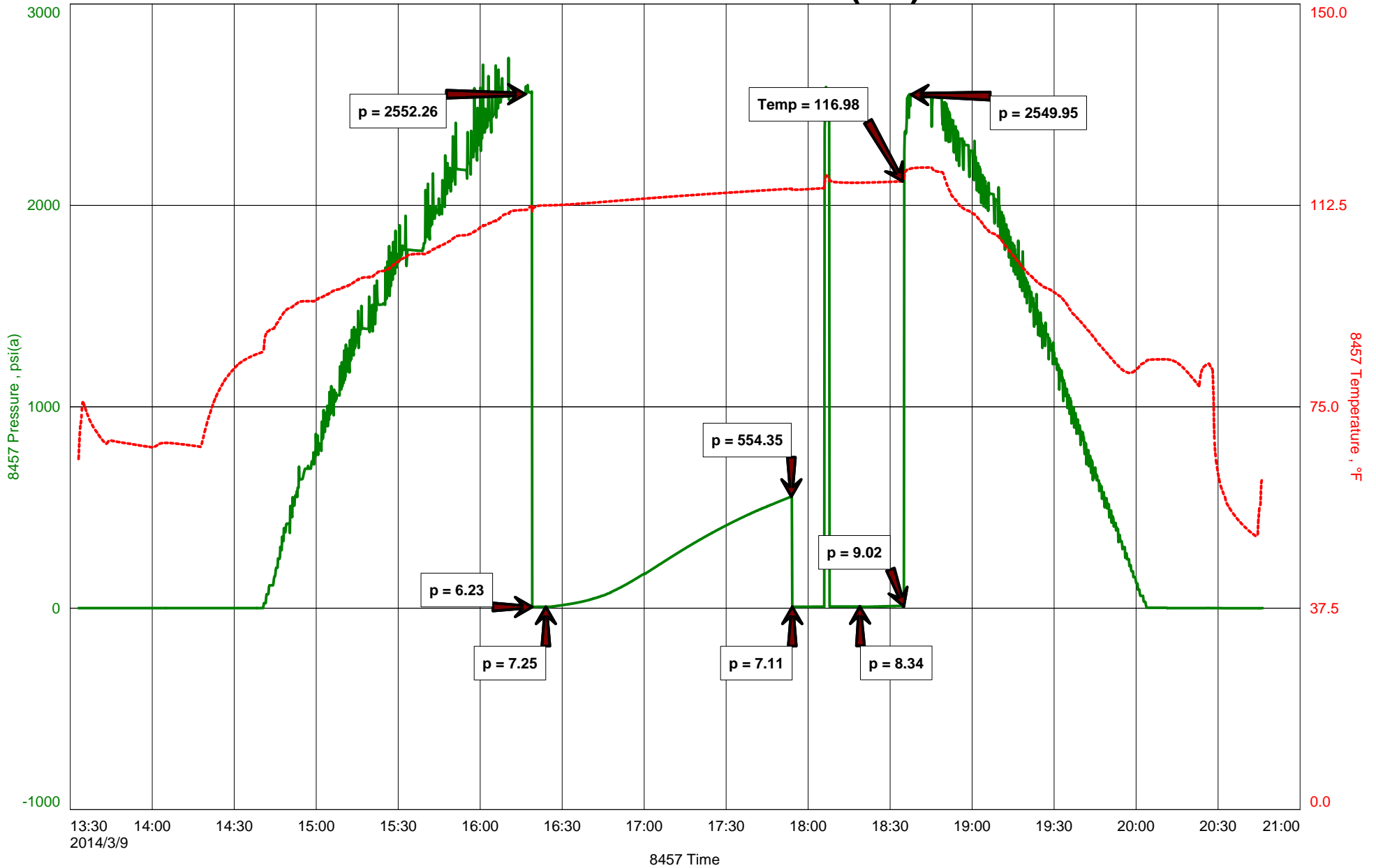
Start Test Time 13:33:00
Final Test Time 20:47:00

Test Recovery:

RECOVERED: 5' M W/SP. O, SPOTTY OIL, 100% MUD

TOOL SAMPLE: SPOTTY OIL, 100% MUD

KENNETH DIRKS #3-8 (SE)





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

TIME ON: 13:33
 TIME OFF: 22:47

DRILL-STEM TEST TICKET
 FILE: KENNETHDIRKS3-8(SE)DST2

Company FALCON EXPLORATION, INC. Lease & Well No. KENNETH DIRKS 3-8 (SE)
 Contractor VAL ENERGY, INC. RIG #2 Charge to FALCON EXPLORATION, INC.
 Elevation 2818 KB Formation ST. LOUS Effective Pay _____ Ft. Ticket No. T319
 Date 3-9-14 Sec. 8 Twp. 28 S Range 30 W County GRAY State KANSAS
 Test Approved By KEITH REAVIS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 2 Interval Tested from 5293 ft. to 5331 ft. Total Depth 5331 ft.

Packer Depth 5288 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 5293 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 5274 ft. Recorder Number 8457 Cap. 10,000 P.S.I.

Bottom Recorder Depth (Outside) 5328 ft. Recorder Number 11029 Cap. 5,025 P.S.I.

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

Mud Type CHEMICAL Viscosity 45 Drill Collar Length _____ ft. I.D. 2 1/4 in.

Weight 9.1 Water Loss 6.4 cc. Weight Pipe Length _____ ft. I.D. 2 7/8 in.

Chlorides 2,500 P.P.M. Drill Pipe Length 5260 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 38 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: WEAK SURFACE BLOW THROUGHOUT PERIOD (NO BB)

2nd Open: NO BLOW THROUGHOUT PERIOD. (NO BB)

Recovered 5 ft. of M W/SP. O, SPOTTY OIL, 100% MUD

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

TOOL SAMPLE: SPOTTY OIL OIL, 100% MUD

Time Set Packer(s) 4:18 PM A.M. P.M. Time Started Off Bottom 6:33 PM A.M. P.M. Maximum Temperature 117 deg.

Initial Hydrostatic Pressure..... (A) 2552 P.S.I.

Initial Flow Period..... Minutes 5 (B) 6 P.S.I. to (C) 7 P.S.I.

Initial Closed In Period..... Minutes 90 (D) 554 P.S.I.

Final Flow Period..... Minutes 25 (E) 7 P.S.I. to (F) 8 P.S.I.

Final Closed In Period..... Minutes 15 (G) 9 P.S.I.

Final Hydrostatic Pressure..... (H) 2550 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

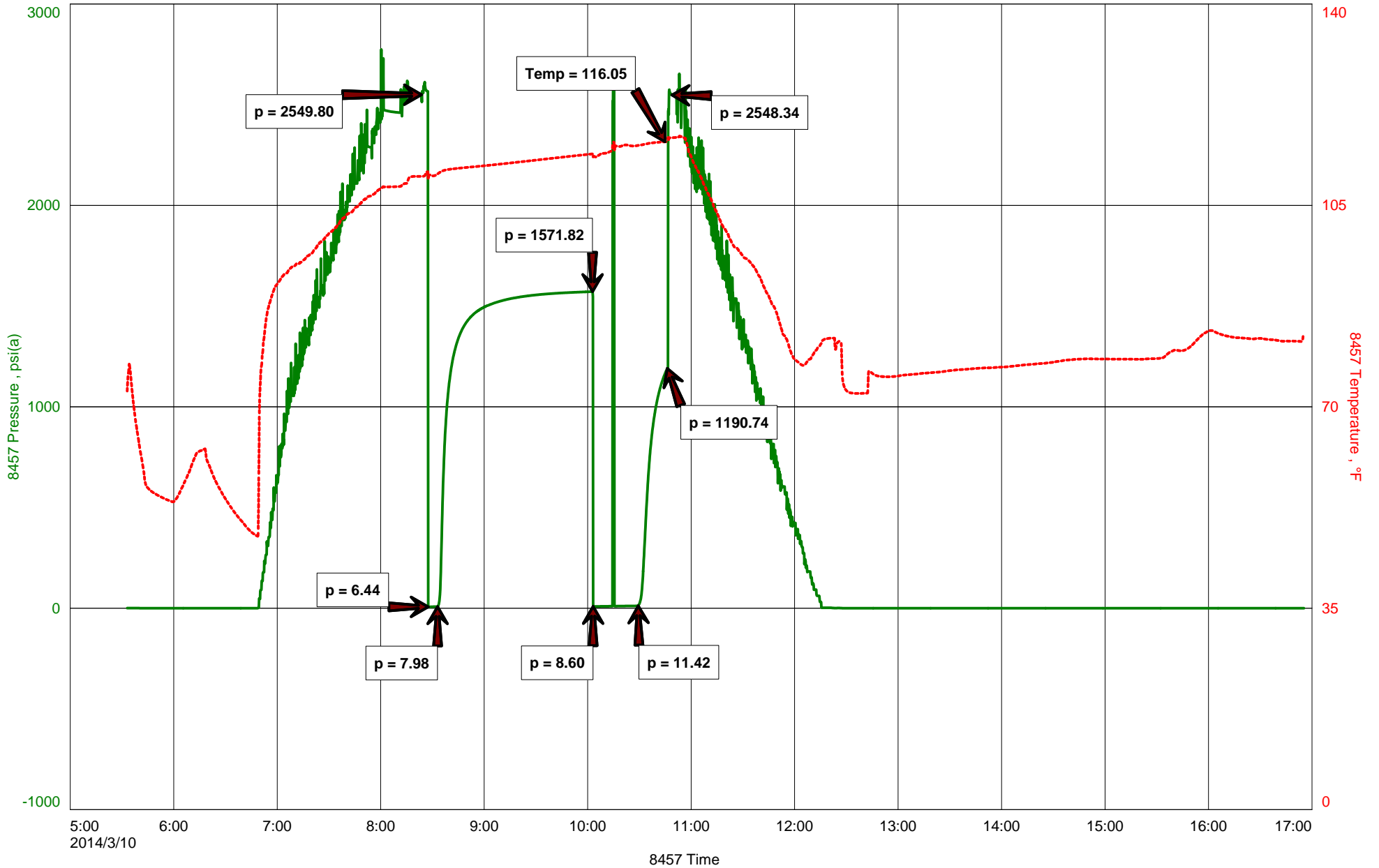
Company Name	FALCON EXPLORATION, INC.	Representative	TIM VENTERS
Contact	JASON MITCHELL	Well Operator	FALCON EXPLORATION, INC.
Well Name	KENNETH DIRKS #3-8	Report Date	2014/03/10
Unique Well ID	DST #3, ST. LOUIS "B", 5328-5346	Prepared By	TIM VENTERS
Surface Location	SEC 8-28S-30W, GRAY CO. KS.	Qualified By	KEITH REAVIS
Field	WILDCAT		
Well Type	Vertical		
Test Type	CONVENTIONAL		
Formation	DST #3, ST. LOUIS "B", 5328-5346		
Well Fluid Type	01 Oil		
Start Test Date	2014/03/10	Start Test Time	05:33:00
Final Test Date	2014/03/10	Final Test Time	16:57:00

Test Recovery:

RECOVERED: 5' MUD

TOOL SAMPLE: SPECKS OIL, 100% MUD

KENNETH DIRKS #3-8





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

TIME ON: 05:33
 TIME OFF: 16:57

DRILL-STEM TEST TICKET
 FILE: KENNETHDIRKS3-8(SE)DST3

Company FALCON EXPLORATION, INC. Lease & Well No. KENNETH DIRKS 3-8 (SE)
 Contractor VAL ENERGY, INC. RIG #2 Charge to FALCON EXPLORATION, INC.
 Elevation 2818 KB Formation ST. LOUS "B" Effective Pay _____ Ft. Ticket No. T320
 Date 3-10-14 Sec. 8 Twp. _____ 28 S Range _____ 30 W County GRAY State KANSAS
 Test Approved By KEITH REAVIS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 3 Interval Tested from 5328 ft. to 5346 ft. Total Depth 5346 ft.
 Packer Depth 5323 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 5328 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 5309 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
 Bottom Recorder Depth (Outside) 5343 ft. Recorder Number 11029 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 0 ft. I.D. 2 1/4 in.
 Weight 9.2 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 3,000 P.P.M. Drill Pipe Length 5295 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 18 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: WEAK SURFACE BLOW THROUGHOUT PERIOD. (NO BB)
 2nd Open: NO BLOW THROUGHOUT PERIOD. (NO BB)

Recovered 5 ft. of MUD
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Remarks: JASON TOOK OVER DURING THE INITIAL SHUT-IN.
 Price Job _____
 Other Charges _____
 Insurance _____
 Total _____

TOOL SAMPLE: SPOTTY OIL ,100% MUD
 Time Set Packer(s) 8:27 AM A.M. P.M. Time Started Off Bottom 10:42 AM A.M. P.M. Maximum Temperature 116 deg.
 Initial Hydrostatic Pressure..... (A) 2550 P.S.I.
 Initial Flow Period..... Minutes 5 (B) 6 P.S.I. to (C) 8 P.S.I.
 Initial Closed In Period..... Minutes 90 (D) 1572 P.S.I.
 Final Flow Period..... Minutes 25 (E) 9 P.S.I. to (F) 11 P.S.I.
 Final Closed In Period..... Minutes 15 (G) 1191 P.S.I.
 Final Hydrostatic Pressure..... (H) 2548 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.

OPERATOR

Company: Falcon Exploration, Inc.
 Address: 125 N. Market
 Suite 1252
 Wichita, KS 67202
 Contact Geologist: Dan Fredlund
 Contact Phone Nbr: 316-262-1378
 Well Name: Kenneth Dirks #3-8
 Location: Sec. 8 - T28S - R30W
 Pool:
 State: Kansas
 API: 15-069-20457-0000
 Field: N/A
 Country: USA

Scale 1:240 Imperial

Well Name: Kenneth Dirks #3-8
 Surface Location: Sec. 8 - T28S - R30W
 Bottom Location:
 API: 15-069-20457-0000
 License Number: 5316
 Spud Date: 2/27/2014 Time: 00:00
 Region: Gray County
 Drilling Completed: 3/11/2014 Time: 00:40
 Surface Coordinates: 2020' FSL & 1620' FEL
 Bottom Hole Coordinates:
 Ground Elevation: 2808.00ft
 K.B. Elevation: 2818.00ft To: 5550.00ft
 Logged Interval: 4000.00ft
 Total Depth: 5550.00ft
 Formation:
 Drilling Fluid Type: Chemical/Fresh Water Gel

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: Latitude:
 N/S Co-ord: 2020' FSL
 E/W Co-ord: 1620' FEL

LOGGED BY

Keith Reavis
Consulting Geologist

Company: Keith Reavis, Inc.
 Address: 3420 22nd Street
 Great Bend, KS 67530
 Phone Nbr: 620-617-4091
 Logged By: KLG #136 Name: Keith Reavis

CONTRACTOR

Contractor: Val Energy, Inc.
 Rig #: 2
 Rig Type: mud rotary Time: 00:00
 Spud Date: 2/27/2014 Time: 00:40
 TD Date: 3/11/2014
 Rig Release: Time:

ELEVATIONS

K.B. Elevation: 2818.00ft Ground Elevation: 2808.00ft
 K.B. to Ground: 10.00ft

NOTES

Due to results of drill stem test #1 in the Morrow Sand, the operator elected to set 5 1/2" production casing and further test through perforations and stimulation.

A Bloodhound gas detection system operated by Bluestem Environmental was employed during the drilling of this well. ROP and gas data were imported into this mudlog. The gas detector was operational by 2350 ft. A slight gas kick occurred through the Chase group of minor significance, otherwise, no gas kicks were recorded prior to point (4000 ft) where sample examination began on this mudlog. Gamma ray and caliper curves were also imported from the electrical log suite. All log tops were consistently 4-5 ft high to the drill time recorded from rig measurements. These curves were not shifted to provide and exact match, but left as recorded in the field.

Samples were saved and will be available for review at the Kansas Geological Survey Well Sample Library located in Wichita, KS.

Respectfully submitted,
 Keith Reavis

Falcon Exploration, Inc.
daily drilling report

DATE	7:00 AM DEPTH	REMARKS
03/06/2014	4357	Geologist Keith Reavis on location @ 0330 hrs, 4141 ft, drilling ahead Heebner, Toronto, Douglas, Lansing, Marmaton, Cherokee, @ 5060 ft. pull PDC bit
03/07/2014	5060	finish pulling PDC, tight hole, back in with button bit, ctch, resume drilling, base Cherokee, Morrow, show in Morrow sand warrants DST, TOH w/bit and in with tools, conducting DST #1
03/08/2014	5133	Let tools hang overnight (oil loaded) complete DST #1, successful test, reverse out load, TIH w/bit, CTCH, resume drilling, Chester
03/09/2014	5305	drilling, St. Gen, St. Louis, show in A zone warrants test, TOH w/bit, conduct and complete DST #1, successful test, round trip tools and bit
03/10/2014	5346	resume drilling 0100 hrs, St. Louis B, show warrants DST, TOH w/bit, conducting DST #3, complete DST, successful test, TIH w/bit, resume drilling, rathole ahead, Mississippian
03/11/2014	5550	TD @0040 hrs, TOH for logs, conduct and complete logging operations, geologist off location @ 1000 hrs

Falcon Exploration, Inc.
well comparison sheet

Formation	DRILLING WELL Falcon - K. Dirks #3-8 2020' FSL & 1620' FEL Sec. 8 T28S R30W				COMPARISON WELL Falcon - K. Dirks #2-8 2090' FSL & 440' FEL Sec. 8 T28S R30W				COMPARISON WELL Falcon - Lanterman #1-8 2030' FNL & 370' FEL Sec. 8 T28S R30W				
	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Structural Relationship	Log	Sub-Sea	Log	Sub-Sea	Structural Relationship	Log
Heebner	4150	-1332	4145	-1327	4149	-1330	-2 3	4146	-1325	-7	-2		
Lansing	4248	-1430	4242	-1424	4246	-1427	-3 3	4249	-1428	-2	4		
Stark	4606	-1788	4602	-1784	4612	-1793	5 9	4606	-1785	-3	1		
Marmaton	4753	-1935	4749	-1931	4752	-1933	-2 2	4743	-1922	-13	-9		
Fawnee	4835	-2017	4835	-2017	4838	-2019	2 2	4837	-2016	-1	-1		
Cherokee	4885	-2067	4881	-2063	4886	-2067	0 4	4881	-2060	-7	-3		
Morrow Sand	5109	-2291	5105	-2287	5117	-2298	7 11	5118	-2297	6	10		
Miss St. Gen.	5193	-2375	5208	-2390	5217	-2398	23 8	5244	-2423	48	33		
St. Lo B Por.	5332	-2514	5329	-2511	5341	-2522	8 11	5345	-2524	10	13		
Salem	5503	-2685	5500	-2682	5498	-2679	-6 -3	np					
Total Depth	5550	-2732	5548	-2730	5550	-2731	-1 1	5406	-2585	-147	-145		

DST #1



DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: KENNETHDIRKS3-8(SE)DST1

Company **FALCON EXPLORATION, INC.** Lease & Well No. **KENNETH DIRKS 3-8 (SE)**
 Contractor **VAL ENERGY, INC. RIG #2** Charge to **FALCON EXPLORATION, INC.**
 Elevation **2818 KB** Formation **MORROW SD.** Effective Pay _____ Ft. Ticket No. **T318**
 Date **3-7-14** Sec. **8** Twp. **28 S** Range **30 W** County **GRAY** State **KANSAS**
 Test Approved By **KEITH REAVIS** Diamond Representative **TIMOTHY T. VENTERS**

Formation Test No. **1** Interval Tested from **5084 ft.** to **5133 ft.** Total Depth **5133 ft.**
 Packer Depth **5079 ft.** Size **6 3/4 in.** Packer depth _____ ft. Size **6 3/4 in.**
 Packer Depth **5084 ft.** Size **6 3/4 in.** Packer depth _____ ft. Size **6 3/4 in.**

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) **5065 ft.** Recorder Number **8457** Cap. **10,000 P.S.I.**
 Bottom Recorder Depth (Outside) **5130 ft.** Recorder Number **11029** Cap. **5,025 P.S.I.**
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
 Mud Type **CHEMICAL** Viscosity **54** Drill Collar Length **0 ft.** I.D. **2 1/4 in.**
 Weight **9.5** Water Loss **6.4 cc.** Weight Pipe Length **0 ft.** I.D. **2 7/8 in.**
 Chlorides **3,000 P.P.M.** Drill Pipe Length **5051 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 **YES** Anchor Length **17 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: **GOOD 2 INCH BLOW, BUILDING, REACHING**
 2nd Open: **VERY STRONG BLOW, HITTING BOB INSTANT.**
 Recovered **2990 ft.** of **GAS IN PIPE**
 Recovered **20 ft.** of **GO, 6% GAS, 94% OIL, GRAVITY: 20**
 Recovered **480 ft.** of **T,SWCO, 4% GAS, 82% OIL, 14% WATER**
 Recovered **1440 ft.** of **G,SMCO, 3% GAS, 87% OIL, 10% MUD**
 Recovered **125 ft.** of **G,OCM, 6% GAS, 21% OIL, 73% MUD**
 Recovered **2065 ft.** of **TOTAL FLUID** CHLORIDES: **93.0**
 Remarks: _____ PH: **6.0**
 RW: **.10 @ 64 deg.**



TOOL SAMPLE: **97% OIL, 3% MUD**
 Time Set Packer(s) **6:32 PM** A.M. Time Started Off Bottom **12:07 AM** P.M. Maximum Temperature **126 deg.**
 Initial Hydrostatic Pressure _____ (A) **2504 P.S.I.**
 Initial Flow Period _____ Minutes **5** (B) **318 P.S.I.** to (C) **330 P.S.I.**
 Initial Closed In Period _____ Minutes **90** (D) **856 P.S.I.**
 Final Flow Period _____ Minutes **60** (E) **421 P.S.I.** to (F) **759 P.S.I.**
 Final Closed In Period _____ Minutes **180** (G) **853 P.S.I.**
 Final Hydrostatic Pressure _____ (H) **2504 P.S.I.**

DST #2



DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: KENNETHDIRKS3-8(SE)DST2

TIME ON: 13:33
 TIME OFF: 22:47

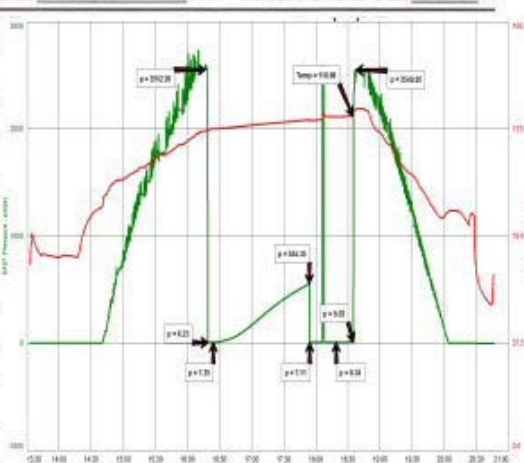
Company FALCON EXPLORATION, INC. Lease & Well No. KENNETH DIRKS 3-8 (SE)
 Contractor VAL ENERGY, INC. RIG #2 Charge to FALCON EXPLORATION, INC.
 Elevation 2818 KB Formation ST. LOUS Effective Pay _____ Ft. Ticket No. T319
 Date 3-9-14 Sec. 8 Twp. 28 S Range 30 W County GRAY State KANSAS
 Test Approved By KEITH REAVIS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 2 Interval Tested from 5293 ft. to 5331 ft. Total Depth 5331 ft.
 Packer Depth 5288 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 5293 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set
 Top Recorder Depth (Inside) 5274 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
 Bottom Recorder Depth (Outside) 5328 ft. Recorder Number 11029 Cap. 5,025 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
 Mud Type CHEMICAL Viscosity 45 Drill Collar Length 0 ft. I.D. 2 1/4 in.
 Weight 9.1 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 2,500 P.P.M. Drill Pipe Length 5260 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 38 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: WEAK SURFACE BLOW THROUGHOUT PERIC
 2nd Open: NO BLOW THROUGHOUT PERIOD.

Recovered 5 ft. of M W/SP. O, SPOTTY OIL, 100% MUD
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Remarks: _____



TOOL SAMPLE: SPOTTY OIL OIL, 100% MUD

Time Set Packer(s) 4:18 PM A.M. P.M. Time Started Off Bottom 6:33 PM A.M. P.M. Maximum Temperature 117 deg.
 Initial Hydrostatic Pressure _____ (A) 2552 P.S.I.
 Initial Flow Period _____ Minutes 5 (B) 6 P.S.I. to (C) 7 P.S.I.
 Initial Closed In Period _____ Minutes 90 (D) 554 P.S.I.
 Final Flow Period _____ Minutes 25 (E) 7 P.S.I. to (F) 8 P.S.I.
 Final Closed In Period _____ Minutes 15 (G) 9 P.S.I.
 Final Hydrostatic Pressure _____ (H) 2550 P.S.I.

DST #3



DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: KENNETHDIRKS3-8(SE)DST3

TIME ON: 05:33
 TIME OFF: 16:57

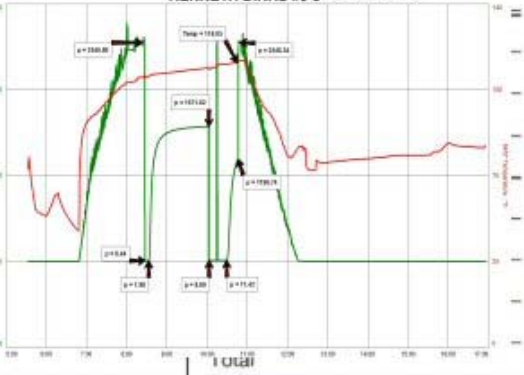
Company FALCON EXPLORATION, INC. Lease & Well No. KENNETH DIRKS 3-8 (SE)
 Contractor VAL ENERGY, INC. RIG #2 Charge to FALCON EXPLORATION, INC.
 Elevation 2818 KB Formation ST. LOUS "B" Effective Pay _____ Ft. Ticket No. T320
 Date 3-10-14 Sec. 8 Twp. 28 S Range 30 W County GRAY State KANSAS
 Test Approved By KEITH REAVIS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 3 Interval Tested from 5328 ft. to 5346 ft. Total Depth 5346 ft.
 Packer Depth 5323 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 5328 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set
 Top Recorder Depth (Inside) 5309 ft. Recorder Number 8457 Cap. 10,000 P.S.I.
 Bottom Recorder Depth (Outside) 5343 ft. Recorder Number 11029 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 0 ft. I.D. 2 1/4 in.
 Weight 9.2 Water Loss 6.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 3,000 P.P.M. Drill Pipe Length 5295 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 18 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: WEAK SURFACE BLOW THROUGHOUT PERIOD. (NO BB)
 2nd Open: NO BLOW THROUGHOUT PERIOD. (NO BB)

Recovered 5 ft. of MUD
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____
 Remarks: JASON TOOK OVER DURING THE INITIAL SHUT-IN.



TOOL SAMPLE: SPOTTY OIL, 100% MUD

Time Set Packer(s) 8:27 AM A.M. P.M. Time Started Off Bottom 10:42 AM A.M. P.M. Maximum Temperature 116 deg.
 Initial Hydrostatic Pressure _____ (A) 2550 P.S.I.
 Initial Flow Period _____ Minutes 5 (B) 6 P.S.I. to (C) 8 P.S.I.
 Initial Closed In Period _____ Minutes 90 (D) 1572 P.S.I.
 Final Flow Period _____ Minutes 25 (E) 9 P.S.I. to (F) 11 P.S.I.
 Final Closed In Period _____ Minutes 15 (G) 1191 P.S.I.
 Final Hydrostatic Pressure _____ (H) 2548 P.S.I.

ROCK TYPES

- | | | | |
|-----------|------------|------------|--------|
| Clystgy | Lmst fw7> | Carbon Sh | Ss |
| sdy lmst | shale, grn | shale, red | Siltst |
| Lmst fw<7 | shale, gry | Shcol | |

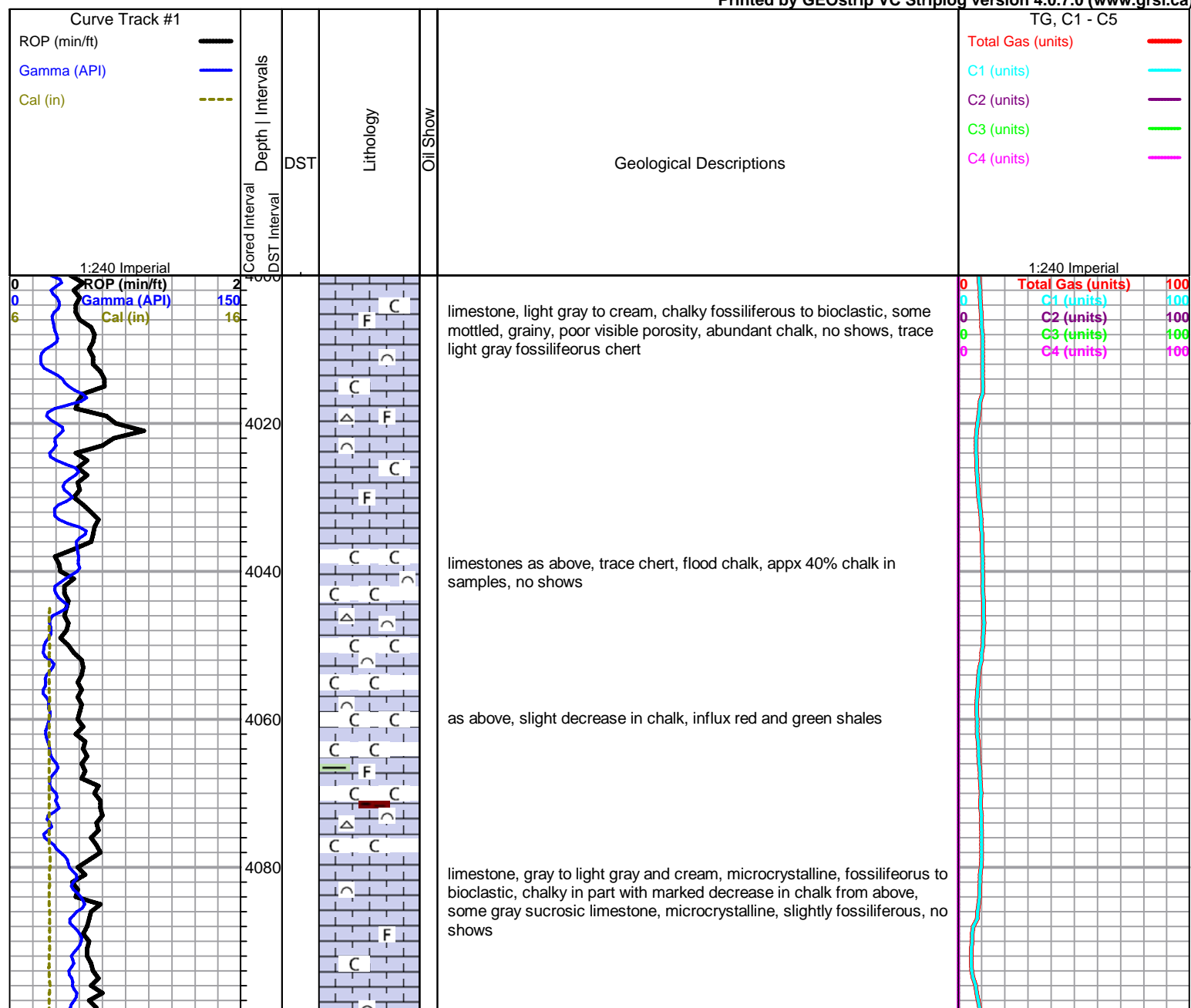
ACCESSORIES

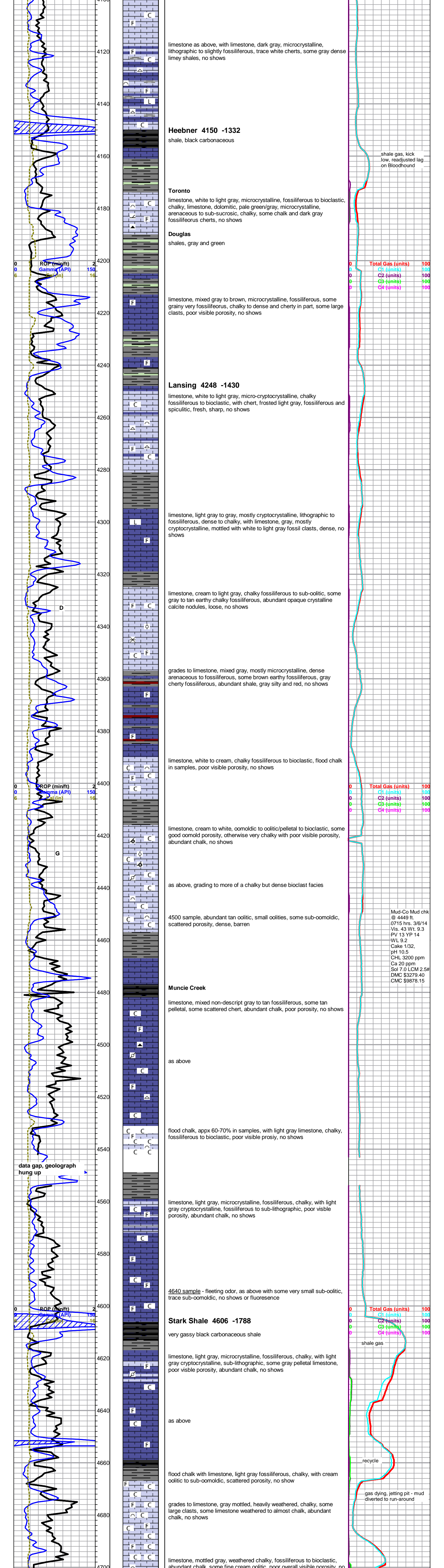
- | | | | |
|--------------------|----------------------------|-----------------|----------------|
| MINERAL | FOSSIL | STRINGER | TEXTURE |
| ▲ Chert, dark | ∩ Bioclastic or Fragmental | ▨ Dolomite | C Chalky |
| ∟ Dolomitic | F Fossils < 20% | ▨ Limestone | L Lithogr |
| ∩ Glauconite | ∅ Oolite | ▨ Sandstone | |
| × Mineral Crystals | ∩ Pellets | ▨ Siltstone | |
| P Pyrite | ∩ Oomoldic | ▨ Shale | |
| △ Chert White | | ▨ green shale | |
| | | ▨ red shale | |
| | | ▨ carb shale | |

OTHER SYMBOLS

- | | |
|--------------------|------------|
| Oil Show | DST |
| ● Good Show | ■ DST Int |
| ○ Fair Show | ■ DST alt |
| ● Poor Show | ■ Core |
| ○ Spotted or Trace | tail pipe |
| ○ Questionable Stn | |
| ■ Dead Oil Stn | |
| ■ Fluorescence | |
| * Gas | |

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limestone as above, with limestone, dark gray, microcrystalline, lithographic to slightly fossiliferous, trace white cherts, some gray dense limy shales, no shows

Heebner 4150 -1332
shale, black carbonaceous

Toronto
limestone, white to light gray, microcrystalline, fossiliferous to bioclastic, chalky, limestone, dolomitic, pale green/gray, microcrystalline, arenaceous to sub-sucrosic, chalky, some chalk and dark gray fossiliferous cherts, no shows

Douglas
shales, gray and green

limestone, mixed gray to brown, microcrystalline, fossiliferous, some grainy very fossiliferous, chalky to dense and cherty in part, some large clasts, poor visible porosity, no shows

Lansing 4248 -1430

limestone, white to light gray, micro-cryptocrystalline, chalky fossiliferous to bioclastic, with chert, frosted light gray, fossiliferous and spiculitic, fresh, sharp, no shows

limestone, light gray to gray, mostly cryptocrystalline, lithographic to fossiliferous, dense to chalky, with limestone, gray, mostly cryptocrystalline, mottled with white to light gray fossil clasts, dense, no shows

limestone, cream to light gray, chalky fossiliferous to sub-oolitic, some gray to tan earthy chalky fossiliferous, abundant opaque crystalline calcite nodules, loose, no shows

grades to limestone, mixed gray, mostly microcrystalline, dense arenaceous to fossiliferous, some brown earthy fossiliferous, gray cherty fossiliferous, abundant shale, gray silty and red, no shows

limestone, white to cream, chalky fossiliferous to bioclastic, flood chalk in samples, poor visible porosity, no shows

limestone, cream to white, oomoldic to oolitic/pelletal to bioclastic, some good oomold porosity, otherwise very chalky with poor visible porosity, abundant chalk, no shows

as above, grading to more of a chalky but dense bioclast facies

4500 sample, abundant tan oolitic, small oolities, some sub-oomoldic, scattered porosity, dense, barren

Muncie Creek

limestone, mixed non-descript gray to tan fossiliferous, some tan pelletal, some scattered chert, abundant chalk, poor porosity, no shows

as above

flood chalk, appx 60-70% in samples, with light gray limestone, chalky, fossiliferous to bioclastic, poor visible prosiy, no shows

limestone, light gray, microcrystalline, fossiliferous, chalky, with light gray cryptocrystalline, sub-lithographic, some gray pelletal limestone, poor visible porosity, abundant chalk, no shows

4640 sample - fleeting odor, as above with some very small sub-oolitic, trace sub-oomoldic, no shows or fluorescence

Stark Shale 4606 -1788

very gassy black carbonaceous shale

limestone, light gray, microcrystalline, fossiliferous, chalky, with light gray cryptocrystalline, sub-lithographic, some gray pelletal limestone, poor visible porosity, abundant chalk, no shows

as above

flood chalk with limestone, light gray fossiliferous, chalky, with cream oolitic to sub-oomoldic, scattered porosity, no show

grades to limestone, gray mottled, heavily weathered, chalky, some large clasts, some limestone weathered to almost chalk, abundant chalk, no shows

limestone, mottled gray, weathered chalky, fossiliferous to bioclastic, abundant chalk some fine cream oolitic, poor overall visible porosity, no

shale gas, kick low, readjusted lag on Bloodhound

Mud-Co Mud chk @ 4449 ft.
0715 hrs. 3/6/14
Vis. 43 Wt. 9.3
PV 13 YP 14
WL 9.2
Cake 1/32,
pH 10.5
CHL 3200 ppm
Ca 20 ppm
Sol 7.0 LCM 2.5#
DMC \$3279.40
CMC \$9878.15

shale gas

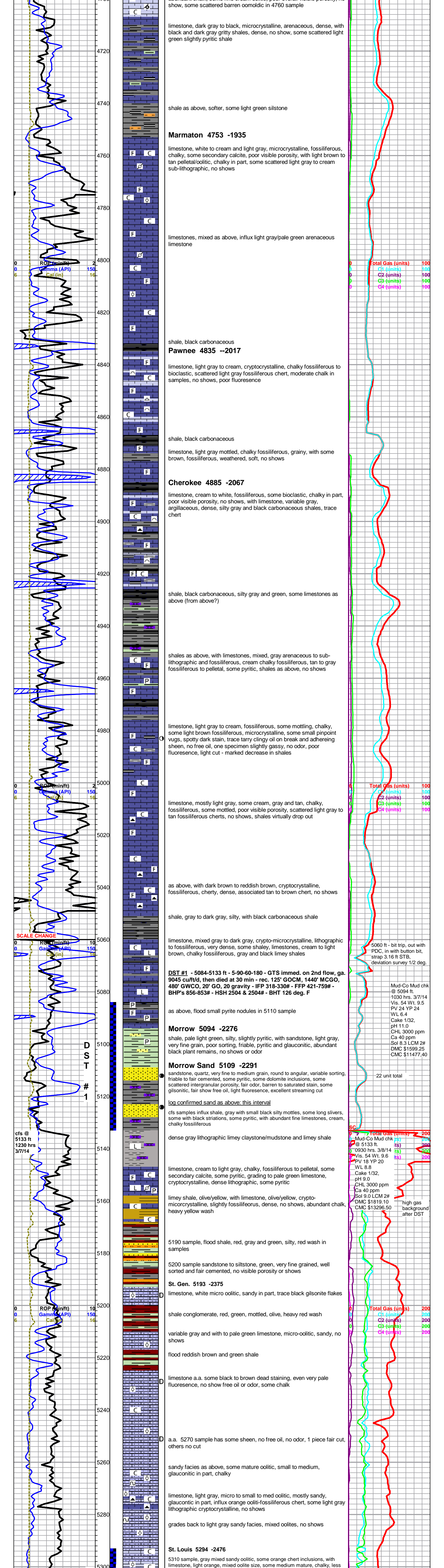
recycle

gas dying, jetting pit - mud diverted to run-around

Total Gas (units)	100
C1 (units)	100
C2 (units)	100
C3 (units)	100
C4 (units)	100

Total Gas (units)	100
C1 (units)	100
C2 (units)	100
C3 (units)	100
C4 (units)	100

Total Gas (units)	100
C1 (units)	100
C2 (units)	100
C3 (units)	100
C4 (units)	100



limestone, dark gray to black, microcrystalline, arenaceous, dense, with black and dark gray gritty shales, dense, no show, some scattered light green slightly pyritic shale

shale as above, softer, some light green siltstone

Marmaton 4753 -1935

limestone, white to cream and light gray, microcrystalline, fossiliferous, chalky, some secondary calcite, poor visible porosity, with light brown to tan pelletal/oolitic, chalky in part, some scattered light gray to cream sub-lithographic, no shows

limestones, mixed as above, influx light gray/pale green arenaceous limestone

Pawnee 4835 --2017

limestone, light gray to cream, cryptocrystalline, chalky fossiliferous to bioclastic, scattered light gray fossiliferous chert, moderate chalk in samples, no shows, poor fluorescence

shale, black carbonaceous

limestone, light gray mottled, chalky fossiliferous, grainy, with some brown, fossiliferous, weathered, soft, no shows

Cherokee 4885 -2067

limestone, cream to white, fossiliferous, some bioclastic, chalky in part, poor visible porosity, no shows, with limestone, variable gray, argillaceous, dense, silty gray and black carbonaceous shales, trace chert

shale, black carbonaceous, silty gray and green, some limestones as above (from above?)

shales as above, with limestones, mixed, gray arenaceous to sub-lithographic and fossiliferous, cream chalky fossiliferous, tan to gray fossiliferous to pelletal, some pyritic, shales as above, no shows

limestone, light gray to cream, fossiliferous, some mottling, chalky, some light brown fossiliferous, microcrystalline, some small pinpoint vugs, spotty dark stain, trace tarry clingy oil on break and adhering sheen, no free oil, one specimen slightly gassy, no odor, poor fluorescence, light cut - marked decrease in shales

limestone, mostly light gray, some cream, gray and tan, chalky, fossiliferous, some mottled, poor visible porosity, scattered light gray to tan fossiliferous cherts, no shows, shales virtually drop out

as above, with dark brown to reddish brown, cryptocrystalline, fossiliferous, cherty, dense, associated tan to brown chert, no shows

shale, gray to dark gray, silty, with black carbonaceous shale

limestone, mixed gray to dark gray, crypto-microcrystalline, lithographic to fossiliferous, very dense, some shaly, limestones, cream to light brown, chalky fossiliferous, gray and black limey shales

DST #1 - 5084-5133 ft - 5-90-60-180 - GTS immed. on 2nd flow, ga. 9045 cu/ft/d, then died at 30 min - rec. 125' GOCM, 1440' MCGO, 480' GWCO, 20' GO, 20 gravity - IFP 318-330# - FFP 421-759# - BHP's 856-853# - HSH 2504 & 2504# - BHT 126 deg. F

as above, flood small pyrite nodules in 5110 sample

Morrow 5094 -2276

shale, pale light green, silty, slightly pyritic, with sandstone, light gray, very fine grain, poor sorting, friable, pyritic and glauconitic, abundant black plant remains, no shows or odor

Morrow Sand 5109 -2291

sandstone, quartz, very fine to medium grain, round to angular, variable sorting, friable to fair cemented, some pyritic, some dolomite inclusions, some scattered intergranular porosity, fair odor, barren to saturated stain, some gilsonitic, fair show free oil, light fluorescence, excellent streaming cut

log confirmed sand as above: this interval

cfs samples influx shale, gray with small black silty mottles, some long slivers, some with black striations, some pyritic, with abundant fine limestones, cream, chalky fossiliferous

dense gray lithographic limey claystone/mudstone and limey shale

limestone, cream to light gray, chalky, fossiliferous to pelletal, some secondary calcite, some pyritic, grading to pale green limestone, cryptocrystalline, dense lithographic, some pyritic

limey shale, olive/yellow, with limestone, olive/yellow, crypto-microcrystalline, slightly fossiliferous, dense, no shows, abundant chalk, heavy yellow wash

5190 sample, flood shale, red, gray and green, silty, red wash in samples

5200 sample sandstone to siltstone, green, very fine grained, well sorted and fair cemented, no visible porosity or shows

St. Gen. 5193 -2375

limestone, white micro oolitic, sandy in part, trace black gilsonite flakes

shale conglomerate, red, green, mottled, olive, heavy red wash

variable gray and with to pale green limestone, micro-oolitic, sandy, no shows

flood reddish brown and green shale

limestone a.a. some black to brown dead staining, even very pale fluorescence, no show free oil or odor, some chalk

a.a. 5270 sample has some sheen, no free oil, no odor, 1 piece fair cut, others no cut

sandy facies as above, some mature oolitic, small to medium, glauconitic in part, chalky

limestone, light gray, micro to small to med oolitic, mostly sandy, glauconitic in part, influx orange ooliti-fossiliferous chert, some light gray lithographic cryptocrystalline, no shows

grades back to light gray sandy facies, mixed oolites, no shows

St. Louis 5294 -2476

5310 sample, gray mixed sandy oolitic, some orange chert inclusions, with limestone, light orange, mixed oolite size, some medium mature, chalky, less

Total Gas (units)	100
C1 (units)	100
C2 (units)	100
C3 (units)	100
C4 (units)	100

Total Gas (units)	100
C1 (units)	100
C2 (units)	100
C3 (units)	100
C4 (units)	100

5060 ft - bit trip, out with PDC, in with button bit, strap 3.16 ft STB, deviation survey 1/2 deg.

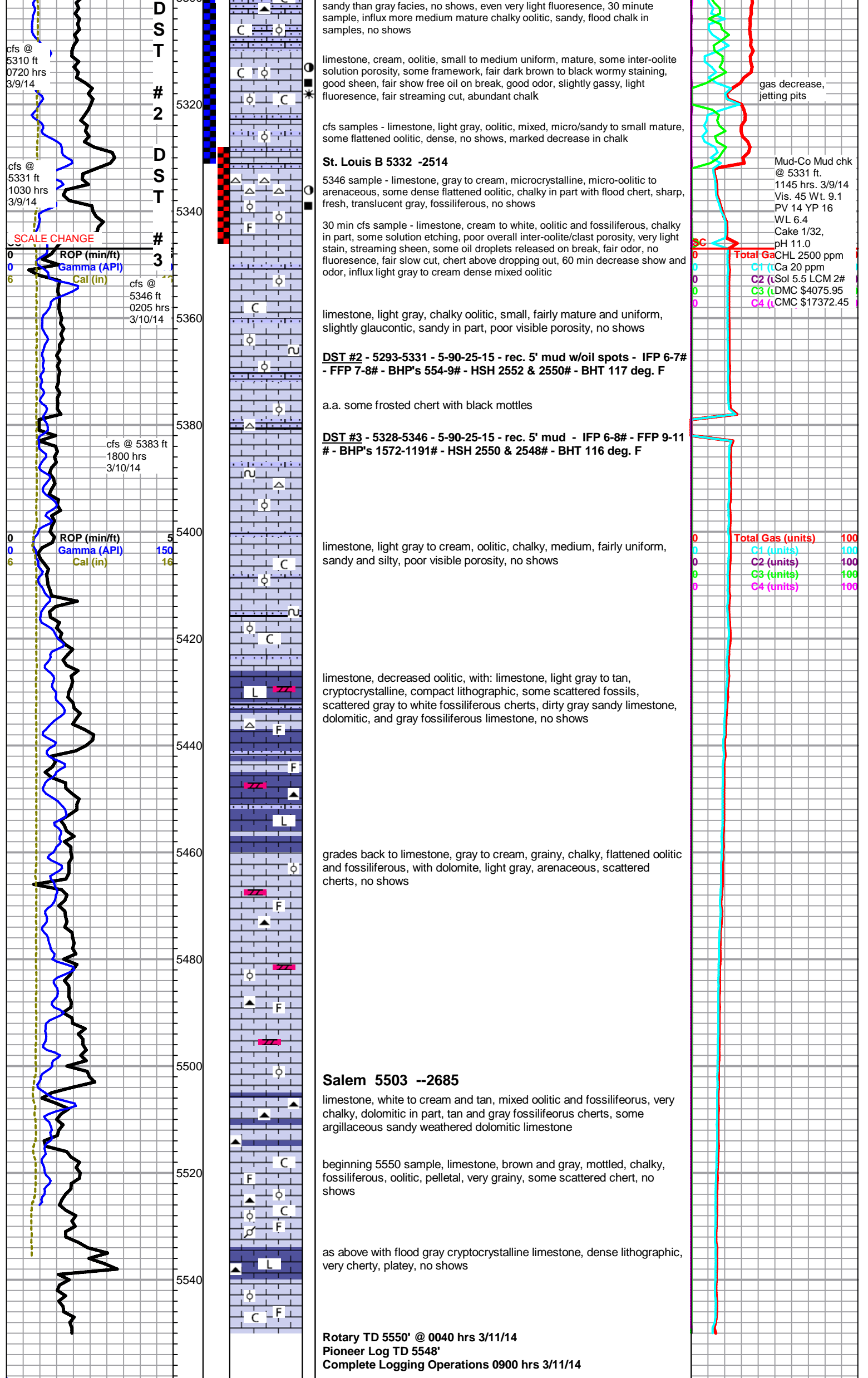
Mud-Co Mud chk @ 5094 ft. 1030 hrs. 3/7/14 Vis. 54 WT 9.5 PV 24 YP 24 WL 6.4 Cake 1/32, pH 11.0 CHL 3000 ppm Ca 40 ppm Sol 9.0 LCM 2# DMC \$1599.25 CMC \$11477.40

22 unit total

Total Gas (units)	200
C1 (units)	200
C2 (units)	200
C3 (units)	200
C4 (units)	200

high gas background after DST

Total Gas (units)	200
C1 (units)	200
C2 (units)	200
C3 (units)	200
C4 (units)	200



sandy than gray facies, no shows, even very light fluorescence, 30 minute sample, influx more medium mature chalky oolitic, sandy, flood chalk in samples, no shows

limestone, cream, oolitic, small to medium uniform, mature, some inter-oolite solution porosity, some framework, fair dark brown to black wormy staining, good sheen, fair show free oil on break, good odor, slightly gassy, light fluorescence, fair streaming cut, abundant chalk

cfs samples - limestone, light gray, oolitic, mixed, micro/sandy to small mature, some flattened oolitic, dense, no shows, marked decrease in chalk

St. Louis B 5332 -2514

5346 sample - limestone, gray to cream, microcrystalline, micro-oolitic to arenaceous, some dense flattened oolitic, chalky in part with flood chert, sharp, fresh, translucent gray, fossiliferous, no shows

30 min cfs sample - limestone, cream to white, oolitic and fossiliferous, chalky in part, some solution etching, poor overall inter-oolite/clast porosity, very light stain, streaming sheen, some oil droplets released on break, fair odor, no fluorescence, fair slow cut, chert above dropping out, 60 min decrease show and odor, influx light gray to cream dense mixed oolitic

limestone, light gray, chalky oolitic, small, fairly mature and uniform, slightly glauconitic, sandy in part, poor visible porosity, no shows

DST #2 - 5293-5331 - 5-90-25-15 - rec. 5' mud w/oil spots - IFP 6-7# - FFP 7-8# - BHP's 554-9# - HSH 2552 & 2550# - BHT 117 deg. F

a.a. some frosted chert with black mottles

DST #3 - 5328-5346 - 5-90-25-15 - rec. 5' mud - IFP 6-8# - FFP 9-11# - BHP's 1572-1191# - HSH 2550 & 2548# - BHT 116 deg. F

limestone, light gray to cream, oolitic, chalky, medium, fairly uniform, sandy and silty, poor visible porosity, no shows

limestone, decreased oolitic, with: limestone, light gray to tan, cryptocrystalline, compact lithographic, some scattered fossils, scattered gray to white fossiliferous cherts, dirty gray sandy limestone, dolomitic, and gray fossiliferous limestone, no shows

grades back to limestone, gray to cream, grainy, chalky, flattened oolitic and fossiliferous, with dolomite, light gray, arenaceous, scattered cherts, no shows

Salem 5503 --2685

limestone, white to cream and tan, mixed oolitic and fossiliferous, very chalky, dolomitic in part, tan and gray fossiliferous cherts, some argillaceous sandy weathered dolomitic limestone

beginning 5550 sample, limestone, brown and gray, mottled, chalky, fossiliferous, oolitic, pelletal, very grainy, some scattered chert, no shows

as above with flood gray cryptocrystalline limestone, dense lithographic, very cherty, platy, no shows

Rotary TD 5550' @ 0040 hrs 3/11/14
 Pioneer Log TD 5548'
 Complete Logging Operations 0900 hrs 3/11/14

gas decrease, jetting pits

Mud-Co Mud chk @ 5331 ft. 1145 hrs. 3/9/14 Vis. 45 Wt. 9.1 PV 14 YP 16 WL 6.4 Cake 1/32, pH 11.0

Total Gas (units) 100
 C1 (units) 100
 C2 (units) 100
 C3 (units) 100
 C4 (units) 100

Total Gas (units) 100
 C1 (units) 100
 C2 (units) 100
 C3 (units) 100
 C4 (units) 100

Total Gas (units) 100
 C1 (units) 100
 C2 (units) 100
 C3 (units) 100
 C4 (units) 100

Total Gas (units) 100
 C1 (units) 100
 C2 (units) 100
 C3 (units) 100
 C4 (units) 100

Total Gas (units) 100
 C1 (units) 100
 C2 (units) 100
 C3 (units) 100
 C4 (units) 100

Total Gas (units) 100
 C1 (units) 100
 C2 (units) 100
 C3 (units) 100
 C4 (units) 100

Total Gas (units) 100
 C1 (units) 100
 C2 (units) 100
 C3 (units) 100
 C4 (units) 100



Cement Report

Customer	Falcon Exploration		Lease No.	Date 3-1-14	
Lease	Kenneth Dicks		Well #	3-8	
Casing	8 5/8	Depth	1856	County	Gray
State	Kansas				
Job Type	Surface		Formation	Legal Description	

Pipe Data		Perforating Data		Cement Data
Casing size	8 5/8	Tubing Size		Lead 460 sk ACOW
Depth	1856	Depth	From To	2.95 ft ³ /sk 18.10 gal
Volume	115.35 BBLs	Volume	From To	
Max Press	1500	Max Press	From To	Tail in 150 sk P.P.
Well Connection	PC	Annulus Vol.	From To	
Plug Depth		Packer Depth	From To	1.34 ft ³ /sk 6.33 gal/sk

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
12:00					on location
14:00					Run float equipment
17:30					Prime up
17:40					Pressure Test to 2000 PSI
17:45	2000		0	5 bpm	Start Mixing Lead
18:30	210		246 BBL	5 bpm	Start Mixing Tail
18:45	110		276	4 bpm	Start displacement and Washup on plug
19:08	440		90	2 bpm	25 BBL out 90 gpm Reduce Rate
19:18	470		100	1 bpm	15 BBL out 100 gpm Reduce Rate
19:30	1000		115		Landed plug
19:35					Released back, Plug held
					Job Complete

Service Units	78939	37223/37426	38111 / 37547	19827/19883
Driver Names	Chad Hinz	Tommy Marshall	Cesar Garcia	Santiago Chavez

Leon Kuhn Customer Representative
 Jenny Bennett Station Manager
 Chad Hinz Cementer
 Tommy Marshall Taylor Printing, Inc.

Customer <i>FALCON Exploration</i>		Lease No.		Date <i>03-11-14</i>	
Lease <i>Kenneth Dirks</i>		Well # <i>3-8</i>		Service Receipt <i>1717-05607 A</i>	
Casing <i>5 1/2"</i>		Depth <i>5450'</i>		County <i>Gray</i> State <i>KS</i>	
Job Type <i>Z42 - Long String</i>		Formation		Legal Description <i>8-28-30</i>	
Pipe Data			Perforating Data		Cement Data
Casing size <i>5 1/2"</i>	Tubing Size		Shots/Ft		Lead <i>100 sks</i> <i>A. Conn 15' cement</i> <i>11.4ppg 2.95' cwt/sk</i> <i>2.75' cement</i> <i>1/4" # 1014/19 ke</i> Tail in <i>18.5' sk</i> <i>AR2 - Cement</i> <i>14.8 ppg - 1.510 cwt/sk</i> <i>0.5' 2.5-60 SA 1 1/2</i> <i>0.69' 2.5-15 1/4" Di Penner</i> <i>6" Wilson 1/2"</i>
Depth <i>5450'</i>	Depth	From	To		
Volume <i>129</i>	Volume	From	To		
Max Press	Max Press	From	To		
Well Connection	Annulus Vol.	From	To		
Plug Depth <i>5410'</i>	Packer Depth	From	To		
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>1100</i>					<i>Called Out</i>
<i>1130</i>					<i>On Location</i>
<i>1145</i>					<i>Safety Meeting</i>
					<i>Run Csg & Circ.</i>
<i>1140</i>			<i>15.8</i>	<i>2</i>	<i>Mix 30sks for Bat Hole</i>
<i>1150</i>			<i>10.5</i>	<i>2</i>	<i>Mix 20 sks for Mouse Hole</i>
					<i>Test Lines to Rig Floor 2500psi</i>
<i>1200</i>			<i>26.3</i>	<i>4</i>	<i>Mix Lead cement 11.4ppg</i>
<i>1210</i>			<i>49.8</i>	<i>4</i>	<i>Mix Tail Cement 14.8ppg</i>
					<i>Wash up</i>
					<i>Drop Top Hatch Down Plug</i>
<i>1222</i>	<i>0-600psi</i>		<i>129</i>	<i>6</i>	<i>Displace 129 Bbls</i>
<i>0120</i>	<i>1600</i>				<i>Land & Patch Plug</i>
<i>0022</i>					<i>Released</i>
					<i>Held</i>
					<i>Pack up</i>
					<i>Job Completed</i>
Service Units	<i>21755</i>	<i>38117-19919</i>	<i>38111-37124</i>		
Driver Names	<i>Roger</i>	<i>Gabriel</i>	<i>Santino</i>		

Leon Kubik
 Customer Representative

Jenny Bennett
 Station Manager

Roger Brown
 Cementer