

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1252188
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
-----------------------------------	-----------------	---

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: _____

1252188

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
--	---

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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--	---	---

Form	ACO1 - Well Completion
Operator	Falcon Exploration, Inc.
Well Name	GILBERT NICKEL 1-25(NW)
Doc ID	1252188

All Electric Logs Run

FULL WAVE SONIC
DIL
BHCS
CNL/CDL
MEL

DIAMOND TESTING

General Information Report

General Information

Company Name FALCON EXPLORATION, INC.
Contact JASON MITCHELL
Well Name GILBERT NICKEL #1-25 (NW)
Unique Well ID DST #1, ATOKA, 5014-5129
Surface Location SEC 25-28S-31W, HASKELL CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #1, ATOKA, 5014-5129
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator FALCON EXPLORATION, INC.
Report Date 2014/02/11
Prepared By TIM VENTERS
Qualified By DAVE WILLIAMS

Start Test Date 2014/02/10
Final Test Date 2014/02/11

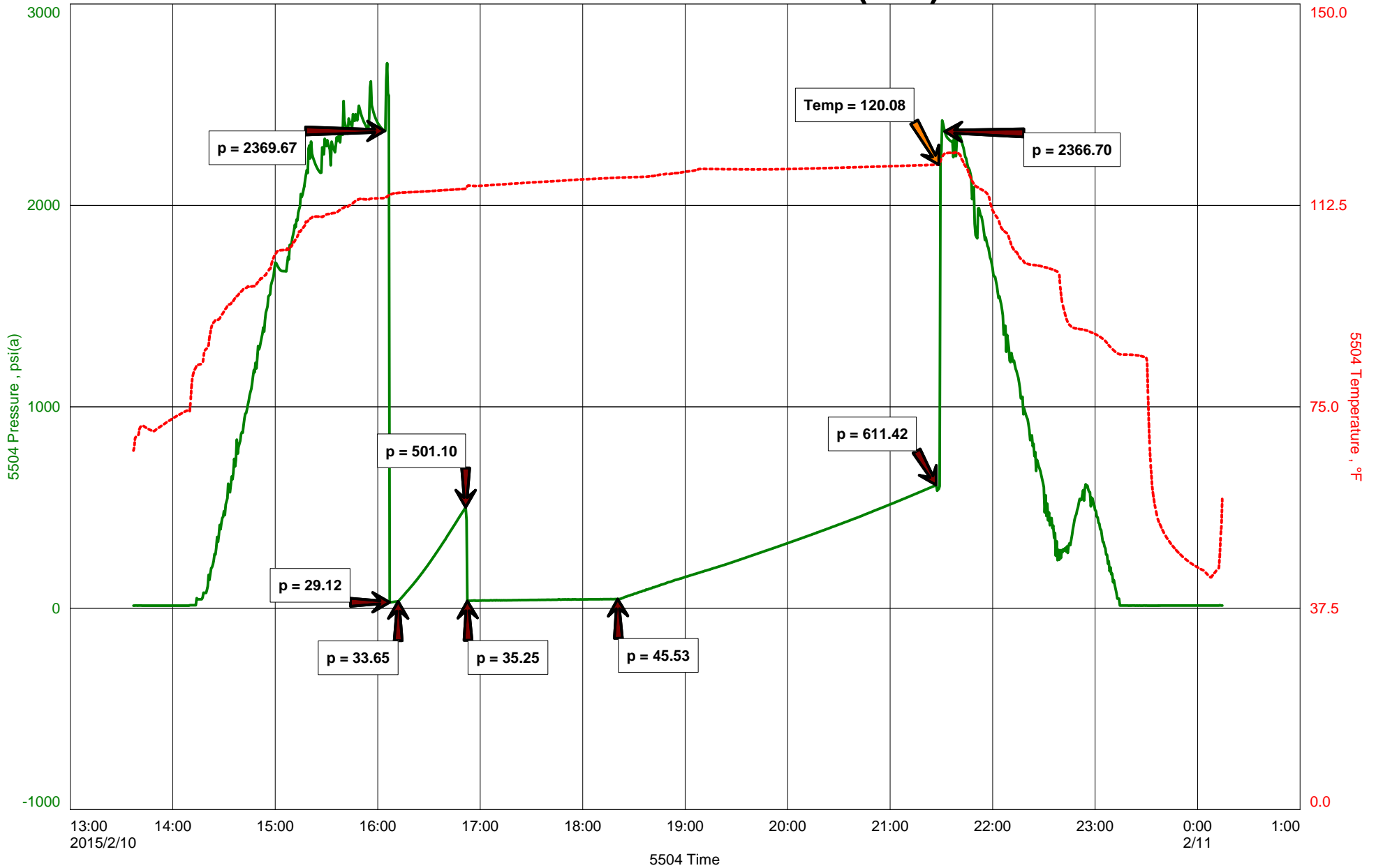
Start Test Time 13:37:00
Final Test Time 00:15:00

Test Recovery:

RECOVERED: 225' GAS IN PIPE
30' MUD

TOOL SAMPLE: TRACE OIL, 100% MUD

GILBERT NICKEL #1-25 (NW)





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

TIME ON: 13:37 1-10-15
TIME OFF: 00:15 2-11-15

DRILL-STEM TEST TICKET
FILE: GILBERTNICKEL1-25NWDST1

Company FALCON EXPLORATION, INC. Lease & Well No. GILBERT NICKEL #1-25 (NW)
Contractor STERLING DRILLING COMPANY RIG #5 Charge to FALCON EXPLORATION, INC.
Elevation 2855 KB Formation ATOKA Effective Pay _____ Ft. Ticket No. T438
Date 2-10-15 Sec. 25 Twp. _____ 28 S Range _____ 31 W County HASKELL State KANSAS
Test Approved By DAVE WILLIAMS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 1 Interval Tested from 5014 ft. to 5129 ft. Total Depth 5129 ft.

Packer Depth 5009 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 5014 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4995 ft. Recorder Number 5504 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 5126 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 65 Drill Collar Length 60 ft. I.D. 2 1/4 in.

Weight 9.3 Water Loss 7.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 3,400 P.P.M. Drill Pipe Length 4921 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 19 ft. Size 4 1/2-FH in

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. ^{96' DP IN ANCHOR} Surface Choke Size 1 in. Bottom Choke Size 5/8 in

Blow: 1st Open: WEAK SURFACE BLOW, BUILDING TO 1/4 INCH. (NO BB)

2nd Open: WEAK 1/4 INCH BLOW, BUILDING, REACHING BOB 78 1/2 MIN. (NO BB)

Recovered 225 ft. of GAS IN PIPE

Recovered 30 ft. of MUD

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: _____

TOOL SAMPLE: TRACE OIL, 100% MUD

Time Set Packer(s) 4:07 PM ^{A.M.}/_{P.M.} Time Started Off Bottom 9:27 PM ^{A.M.}/_{P.M.} Maximum Temperature 120 deg.

Initial Hydrostatic Pressure..... (A) 2370 P.S.I.

Initial Flow Period..... Minutes 5 (B) 29 P.S.I. to (C) 34 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 501 P.S.I.

Final Flow Period..... Minutes 90 (E) 35 P.S.I. to (F) 46 P.S.I.

Final Closed In Period..... Minutes 180 (G) 611 P.S.I.

Final Hydrostatic Pressure..... (H) 2367 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 GILBERT NICKEL #1-25 (NW)
Unique Well ID DST #2, MORROW SD., 5116-5200
Surface Location SEC 25-28S-31W, HASKELL CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #2, MORROW SD., 5116-5200
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator FALCON EXPLORATION, INC.
Report Date 2015/02/12
Prepared By TIM VENTERS
Qualified By DAVE WILLIAMS

Start Test Date 2015/02/11
Final Test Date 2015/02/12

Start Test Time 16:29:00
Final Test Time 01:44:00

Test Recovery:

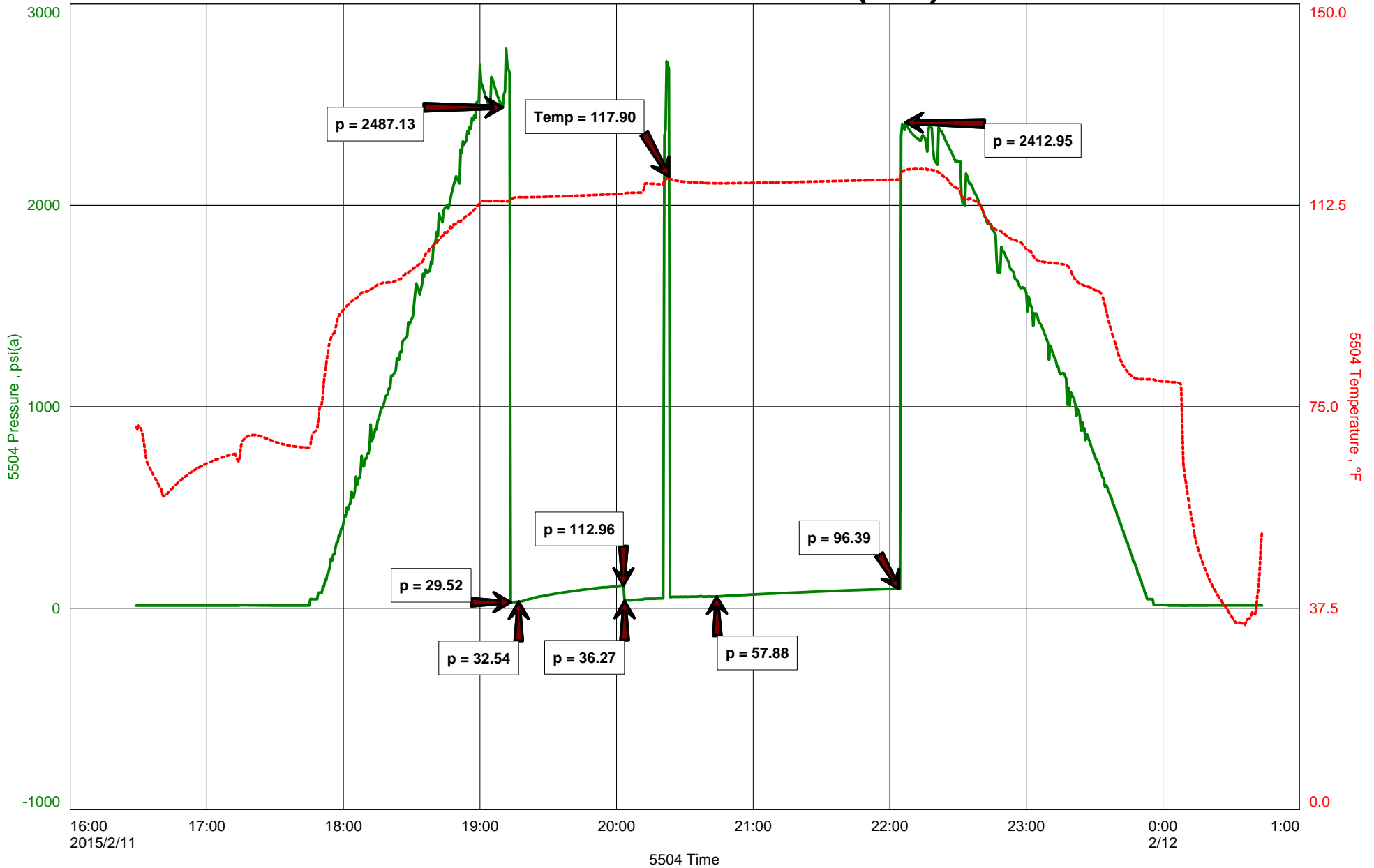
RECOVERED: 60' MUD

TOOL SAMPLE: 100% MUD

FALCON EXPLORATION, INC.
DST #2, MORROW SD., 5116-5200
Start Test Date: 2015/02/11
Final Test Date: 2015/02/12

GILBERT NICKEL #1-25 (NW)
Formation: DST #2, MORROW SD., 5116-5200
Pool: WILDCAT
Job Number: T440

GILBERT NICKEL #1-25 (NW)





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

TIME ON: 16:29 2-11-15
 TIME OFF: 01:44 2-12-15

DRILL-STEM TEST TICKET
 FILE: GILBERTNICKEL1-25NWDST2

Company FALCON EXPLORATION, INC. Lease & Well No. GILBERT NICKEL #1-25 (NW)
 Contractor STERLING DRILLING COMPANY RIG #5 Charge to FALCON EXPLORATION, INC.
 Elevation 2855 KB Formation MORROW SD. Effective Pay _____ Ft. Ticket No. T440
 Date 2-11-15 Sec. 25 Twp. _____ 28 S Range _____ 31 W County HASKELL State KANSAS
 Test Approved By DAVE WILLIAMS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 2 Interval Tested from 5116 ft. to 5200 ft. Total Depth 5200 ft.

Packer Depth 5111 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Packer Depth 5116 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 5097 ft. Recorder Number 5504 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 5197 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 78 Drill Collar Length 60 ft. I.D. 2 1/4 in.

Weight 9.05 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.

Chlorides 3,600 P.P.M. Drill Pipe Length 5023 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. ^{64' DP IN ANCHOR} Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

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

2nd Open: VERY WEAK SURFACE BLOW LASTING 3 MIN. (NO BB)

Recovered 60 ft. of MUD

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Recovered _____ ft. of _____

Remarks: WE FLUSHED THE TOOL ABOUT 20 MIN. INTO FINAL FLOW PERIOD

AND GOT A WEAK SURFACE BLOW LASTING 15-20 MIN.

TOOL SAMPLE: 100% MUD

Time Set Packer(s) 8:13 PM ^{A.M.}/_{P.M.} Time Started Off Bottom 11:03 PM ^{A.M.}/_{P.M.} Maximum Temperature 118 deg.

Initial Hydrostatic Pressure..... (A) 2487 P.S.I.

Initial Flow Period..... Minutes 5 (B) 30 P.S.I. to (C) 33 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 113 P.S.I.

Final Flow Period..... Minutes 40 (E) 36 P.S.I. to (F) 58 P.S.I.

Final Closed In Period..... Minutes 80 (G) 96 P.S.I.

Final Hydrostatic Pressure..... (H) 2413 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 GILBERT NICKEL #1-25 (NW)
Unique Well ID DST #3, MISS./ST. LOUIS, 5366-5405
Surface Location SEC 25-28S-31W, HASKELL CO. KS.
Field WILDCAT
Well Type Vertical
Test Type CONVENTIONAL
Formation DST #3, MISS./ST. LOUIS, 5366-5405
Well Fluid Type 01 Oil

Representative TIM VENTERS
Well Operator FALCON EXPLORATION, INC.
Report Date 2015/02/13
Prepared By TIM VENTERS
Qualified By DAVE WILLIAMS

Start Test Date 2015/02/13
Final Test Date 2015/02/13

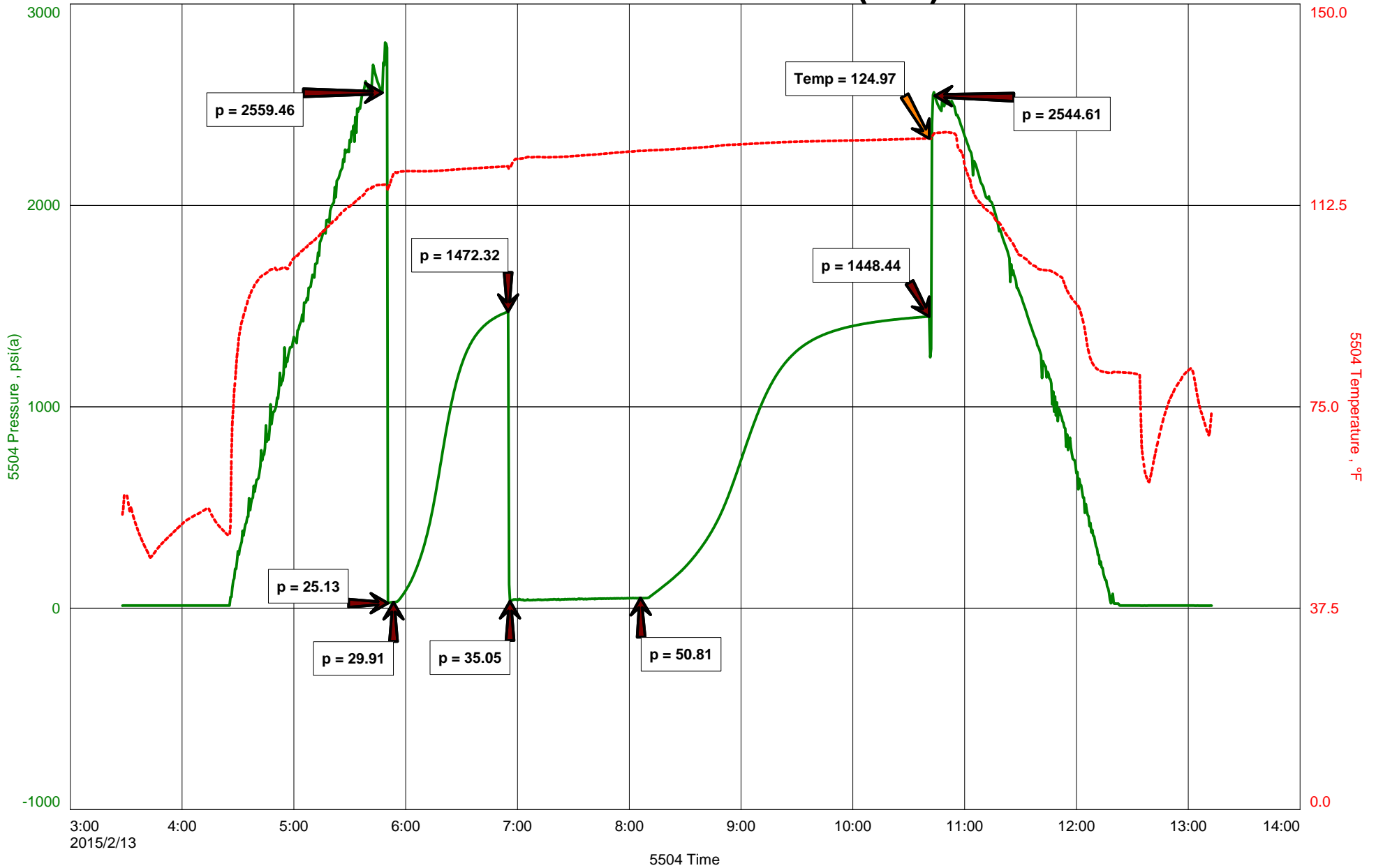
Start Test Time 03:28:00
Final Test Time 13:13:00

Test Recovery:

RECOVERED: 570' GAS IN PIPE
10' OCM, 24% OIL, 76% MUD
60' G,HMCO, 7% GAS, 50% OIL, 43% MUD
70' TOTAL FLUID

TOOL SAMPLE: 87% OIL, 13% MUD

GILBERT NICKEL #1-25 (NW)





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

TIME ON: 03:28
 TIME OFF: 13:13

DRILL-STEM TEST TICKET
 FILE: GILBERTNICKEL1-25NWDST3

Company FALCON EXPLORATION, INC. Lease & Well No. GILBERT NICKEL #1-25 (NW)
 Contractor STERLING DRILLING COMPANY RIG #5 Charge to FALCON EXPLORATION, INC.
 Elevation 2855 KB Formation MISS. "ST. LOUIS" Effective Pay _____ Ft. Ticket No. T441
 Date 2-13-15 Sec. 25 Twp. _____ 28 S Range _____ 31 W County HASKELL State KANSAS
 Test Approved By DAVE WILLIAMS Diamond Representative TIMOTHY T. VENTERS

Formation Test No. 3 Interval Tested from 5366 ft. to 5405 ft. Total Depth 5405 ft.
 Packer Depth 5361 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 5366 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 5347 ft. Recorder Number 5504 Cap. 5,000 P.S.I.
 Bottom Recorder Depth (Outside) 5402 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 60 ft. I.D. 2 1/4 in.
 Weight 9.3 Water Loss 9.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 4,000 P.P.M. Drill Pipe Length 5273 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 39 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, BUILDING TO 1/2 INCH. (NO BB)
 2nd Open: GOOD 3 INCH BLOW, BUILDING, REACHING BOB IN 19 1/2 MIN. (NO BB)

Recovered 570 ft. of GAS IN PIPE
 Recovered 10 ft. of OCM, 24% OIL, 76% MUD
 Recovered 60 ft. of G,HMCO, 7% GAS, 50% OIL, 43% MUD
 Recovered 70 ft. of TOTAL FLUID

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: _____	Insurance
TOOL SAMPLE: 87% OIL, 13% MUD	Total

Time Set Packer(s) 5:50 AM A.M. P.M. Time Started Off Bottom 10:40 AM A.M. P.M. Maximum Temperature 125 deg.

Initial Hydrostatic Pressure..... (A) 2559 P.S.I.
 Initial Flow Period..... Minutes 5 (B) 25 P.S.I. to (C) 30 P.S.I.
 Initial Closed In Period..... Minutes 60 (D) 1477 P.S.I.
 Final Flow Period..... Minutes 75 (E) 35 P.S.I. to (F) 51 P.S.I.
 Final Closed In Period..... Minutes 150 (G) 1448 P.S.I.
 Final Hydrostatic Pressure..... (H) 2545 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.



**Scale 1:240 (5"=100') Imperial
Measured Depth Log**

Well Name: GILBERT NICKEL #1-25 (NW)
API: #15 - 081 - 22,101 - 00 - 00
Location: SE-SE-SE-NW 1/4 of SEC. 25 - 28 S. - 31 W.
License Number: KCC #5316
Spud Date: 02/04/2015
Surface Coordinates: 2500' FNL & 2390' FWL

Region: HASKELL CO., KS.
Drilling Completed: 02/17/2014

**Bottom Hole
Coordinates:**
Ground Elevation (ft): 2842' **K.B. Elevation (ft):** 2855'
Logged Interval (ft): 1851' **To:** 5551' **Total Depth (ft):** 5551'
Formation: MISSISSIPPIAN "SALEM (SPERGEN)"
Type of Drilling Fluid: CHEMICAL/POLYMER/GEL MUD DISPLACEMENT @

Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Falcon Exploration, Inc.
Address: 125 North Market Street, Ste. #1252
Wichita, Kansas 67202

GEOLOGIST

Name: David P. Williams, P.G. KSBTP # 88
Company: DW Energy, LLC (DWE)
Address: 312 North Broadview Street
Wichita, Kansas 67208

Casing & Deviation Survey's

Surface Casing: Spud at 1:45 am on 02/05/15. Drilled 12-1/4" hole to 1834'. Ran 43 joints of new 24#, 8-5/8" casing. Tallied 1815.08', set at 1829.38' KB. Welded straps on GS & bottom 3 joints, tacked all collars. Float insert top 1st collar. Baskets (3), 1824', 1008', 1092' on #1, #24 and #26 jts. Centralizers (5) 1, 3, 6, 15, 25. Cemented with 400 sks A-Conn. Tailed with 150 sks Common plus 3% CC, 2% gel, 1/4# Cellflake, .2% WCA51. Plug down at 3:15 pm on 02/06/15 by Allied. Ticket #055652. Cement did circulate to surface.

Production Casing: Ran 132 joints new 15.5#, 5-1/2" casing. Tally 5522'. Set at 5534' KB. Guide shoe on bottom. Float shoe latch down baffle in 1st collar. Centralizers (5) on 2, 5, 19, 25, 37. Basket (2) on 6, 9. Cemented with 50 sks A-Conn Scavenger; Tailed with 150 sks A-Conn. Plug down at 2:15 pm on 02/17/15 by Basic Energy Svcs. Cementing ticket #05248. Plugged rathole with 30 sks and rathole with 20 sks of A-Conn. Sterling reported to KCC (Robert Dickerson) on 02/18/15.

Deviation Survey's Taken: @ 1834' = 3/4 degree; @ 5129' = 3 degrees; & Ran Another @ 5129' = 3 degrees; @ 5200 = 3 degrees; @ 5405' = 2 degrees; @ 5550' = 2 degrees.

DST's

~~DST # 1~~ Interval: 5014'-5129'. Times: 5"-45"-90"-180"; Blow: IF = Weak Slowly Building/ 4.5". FF= BOB/ 78.5".

Recovery: 225' GIP & 30' M (100% M w/Tr. Oil in Tool Spl.).

Pressures: IH= 2330#; FH =2367#; IF=29-34#; FF=35-46#; ISIP = 501#; FSIP=611#; Temp.=120 degrees F.

~~ DST # 2~~ Interval: 5116'-5200'. Times: 5"-45"-40"-80";

Blow: IF = Weak Surface/ 1.2". No Blow Back on ISIP. FF= Very Weak & Died/3". Flush Tool - No Help. No Blow Back on FSIP.

Recovery: 60' M (100% M in Tool Spl.).

Pressures: IH=2487#; FH =2413#; IF=30-33#; FF=36-58#; ISIP= 113#; FSIP=96#; Temp.=118 degrees F.

~~ DST # 3~~ Interval: 5366'-5405'. Times: 5"-60"-75"-150";

Blow: IF = Weak Surface/ 1/2". No Blow Back on ISIP. FF=Good/ 3" Building BOB/ 19.5". No Blow Back on FSIP.

Recovery: 570 GIP; 70' TF: 10' OCM (24% O & 76% M); 60' GHMCO (7% G & 50% O & 43% M). Tool Spl.= 87% O & 13% M.

Pressures: IH=2559#; FH=2545#; IF=25-30#; FF=35-51#; ISIP=1477#; FSIP=1448#; Temp = 125 degrees F..


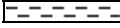

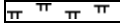

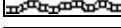




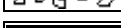







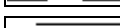
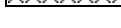




Comments

After review of all geologic samples as examined, combined with the fluid and pressures results from all drill stem tests taken and analysis from the electric logs run, it was determined by all parties that production casing should be run in order to further evaluate this well.










































































Respectfully submitted,

David P. Williams, P.G

ROCK TYPES

 Anhy	 Clyst	 Gry sh	 Mrlst	 Shgy
 Bent	 Coal	 Gyp	 Red shale	 Sltst
 Brec	 Congl	 Igne	 Salt	 Ss
 Carb sh	 Dol	 Lmst	 Shale	 Till
 Cht	 Grn sh	 Meta	 Shcol	

ACCESSORIES

MINERAL			
 Anhy	 Hvymin	 Belm	 Pellet
 Arggrn	 Kaol	 Bioclst	 Pisolite
 Arg	 Marl	 Brach	 Plant
 Bent	 Minxl	 Bryozoa	 Strom
 Bit	 Nodule	 Cephal	
 Brecfrag	 Phos	 Coral	STRINGER
 Calc	 Pyr	 Crin	 Anhy
 Carb	 Salt	 Echin	 Arg
 Chtdk	 Sandy	 Fish	 Bent
 Chtlt	 Silt	 Foram	 Coal
 Dol	 Sil	 Fossil	 Dol
 Feldspar	 Sulphur	 Fuss	 Gyp
 Ferrpel	 Tuff	 Gastro	 Ls
 Ferr	FOSSIL	 Oolite	 Mrst
 Glau	 Algae	 Oomold	 Sltstrg
 Gyp	 Amph	 Ostra	 Ssstrg
		 Pelec	
			TEXTURE
			 Boundst
			 Chalky
			 Cryxln
			 Earthy
			 Finexln
			 Grainst
			 Lithogr
			 Microxln
			 Mudst
			 Packst
			 Wackest

OTHER SYMBOLS

- POROSITY**
 [E] Earthy
 [B] Fenest
 [F] Fracture
 [X] Inter
 [A] Moldic
 [O] Organic
 [P] Pinpoint

- [V] Vuggy
SORTING
 [W] Well
 [M] Moderate
 [P] Poor

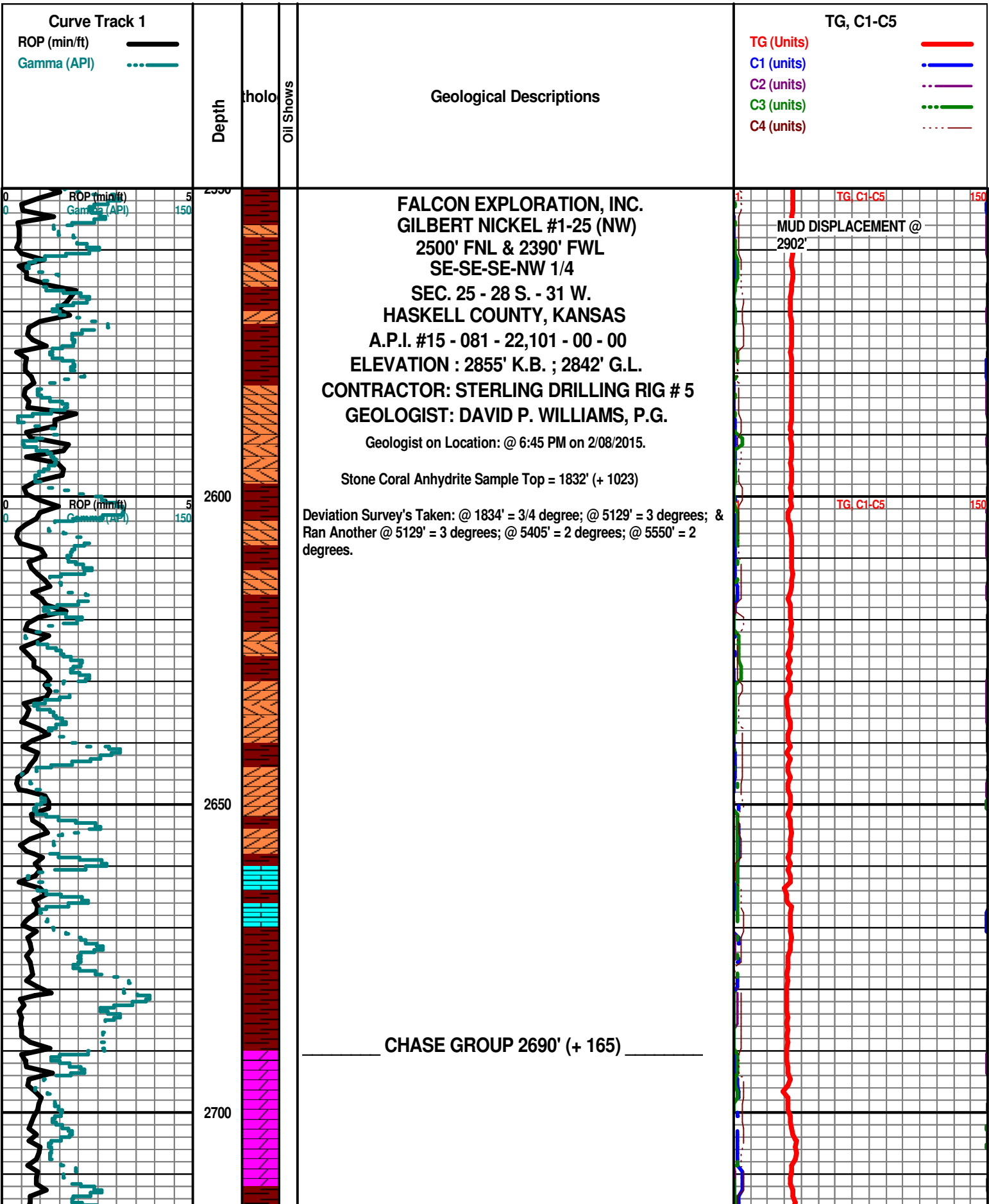
- ROUNDING**
 [R] Rounded
 [r] Subrnd
 [a] Subang
 [A] Angular

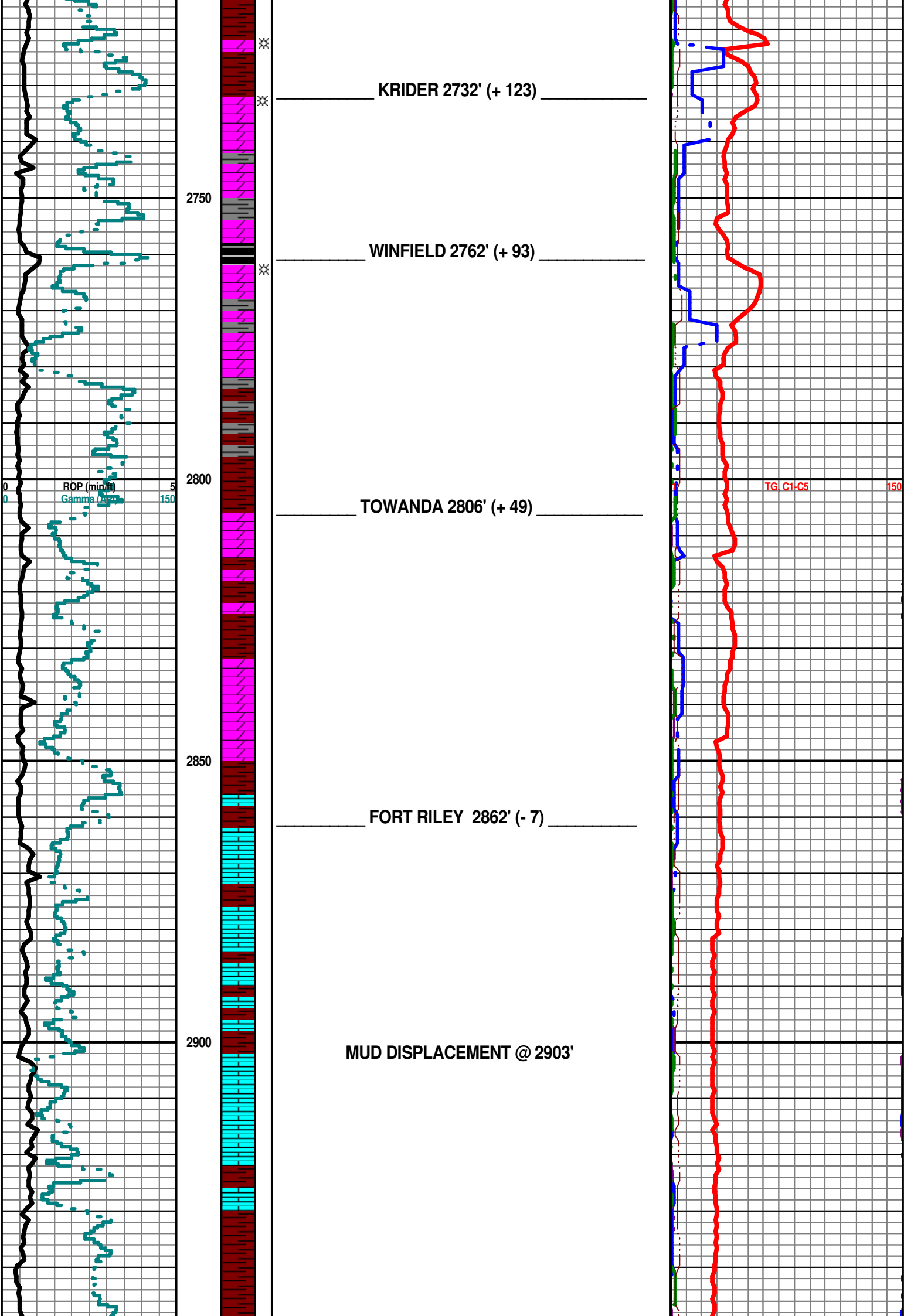
- [●] Even
 [◐] Spotted
 [◑] Ques
 [◒] Dead

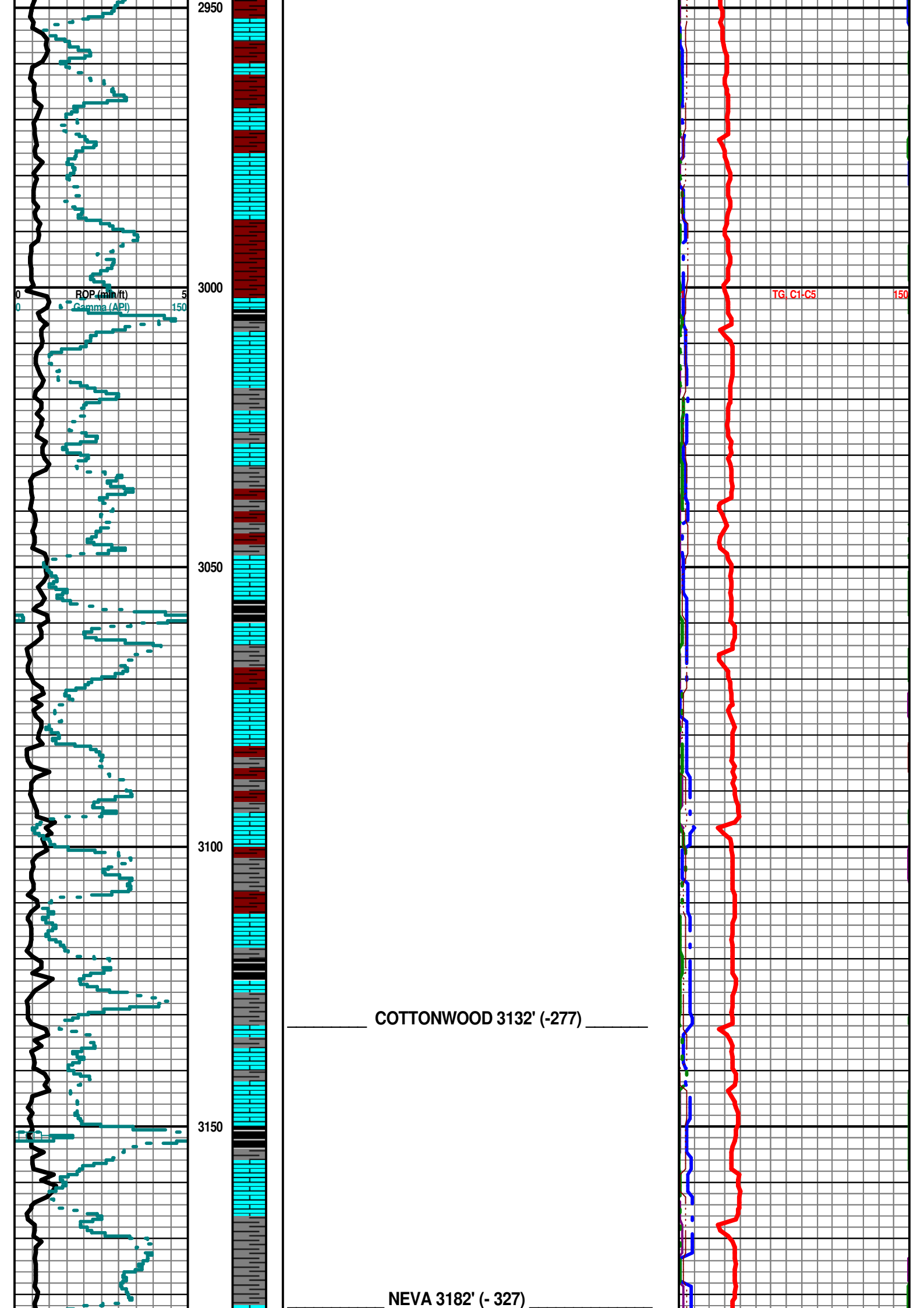
- EVENT**
 [▽] Rft
 [◼] Sidewall

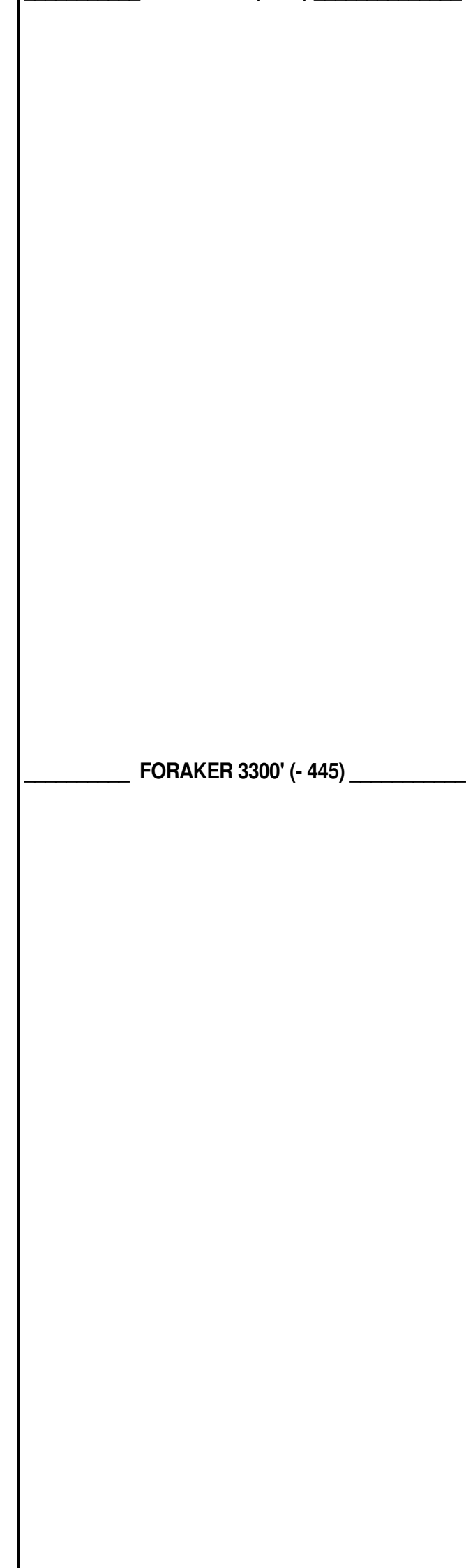
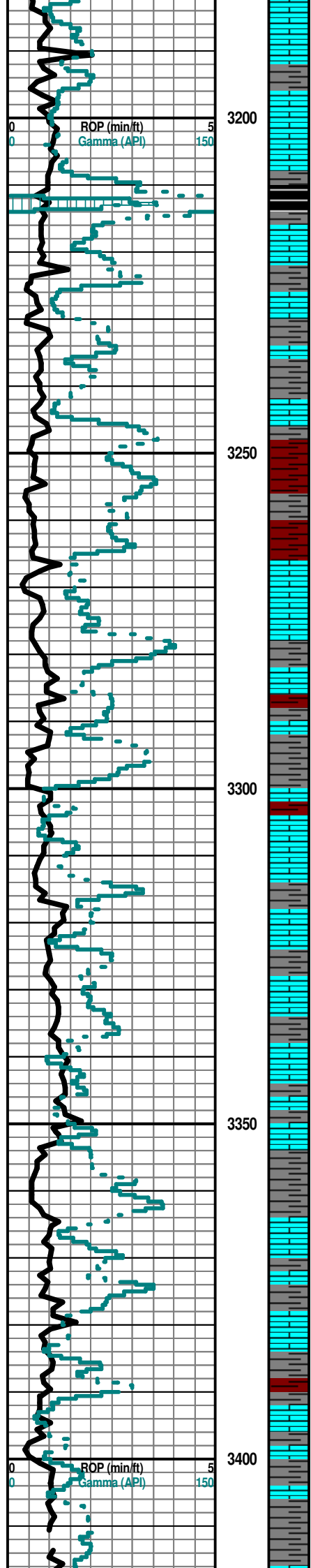
- OIL SHOW**
 [⊗] Gas show

- INTERVAL**
 [■] Dst
 [■] Dst_alt

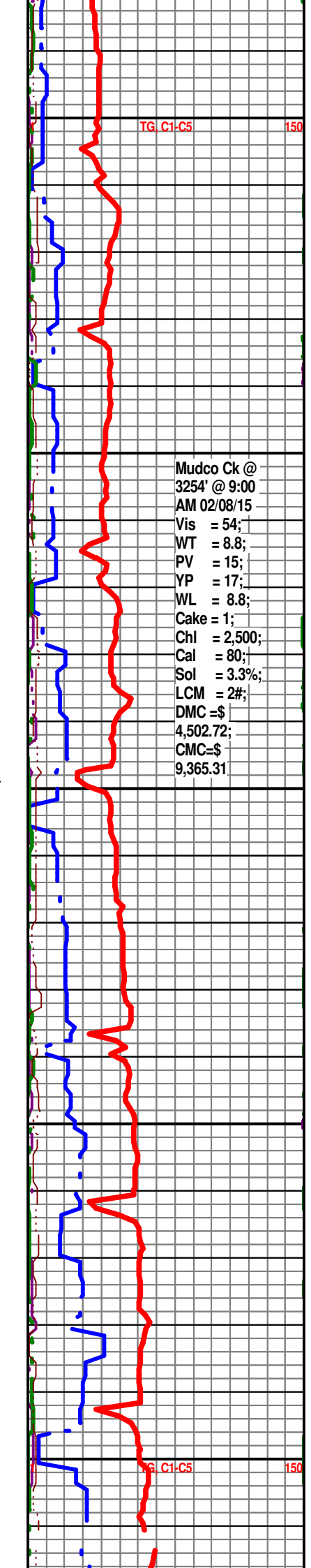








FORAKER 3300' (- 445)



Mudco Ck @
3254' @ 9:00
AM 02/08/15
Vis = 54;
WT = 8.8;
PV = 15;
YP = 17;
WL = 8.8;
Cake = 1;
Chl = 2,500;
Cal = 80;
Sol = 3.3%;
LCM = 2#;
DMC = \$
4,502.72;
CMC = \$
9,365.31

FALL CITY 3425' (- 570)

3450

3500

3550

3600

3650

ROOT SHALE 3522' (- 667)

STOTLER 3539' (- 684)

Note: All samples have been lagged to depth by calculated time.

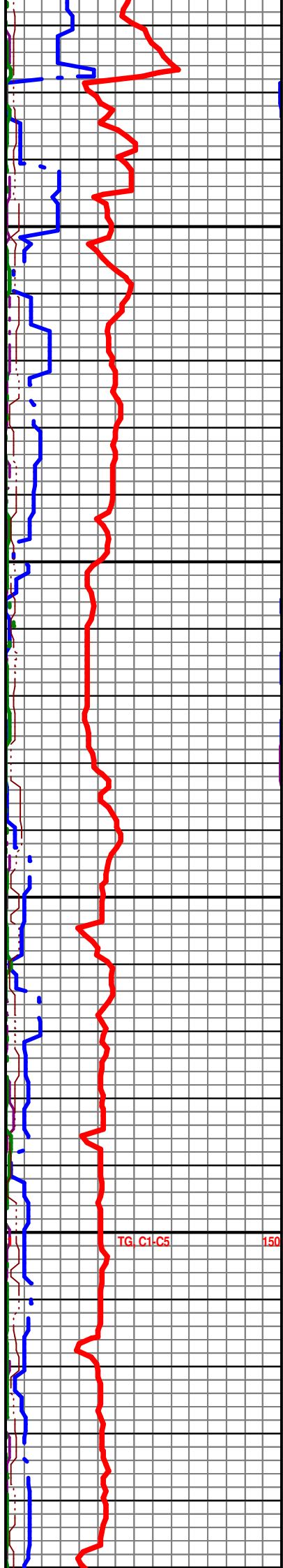
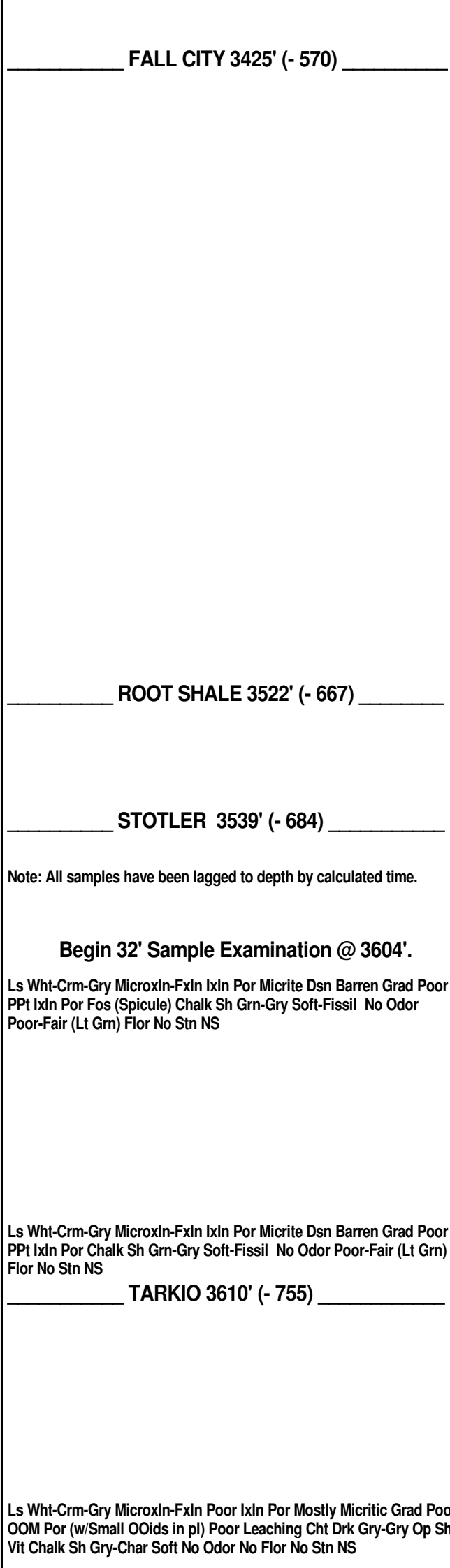
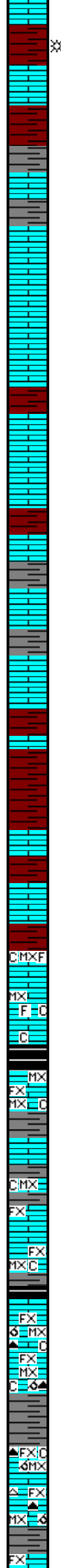
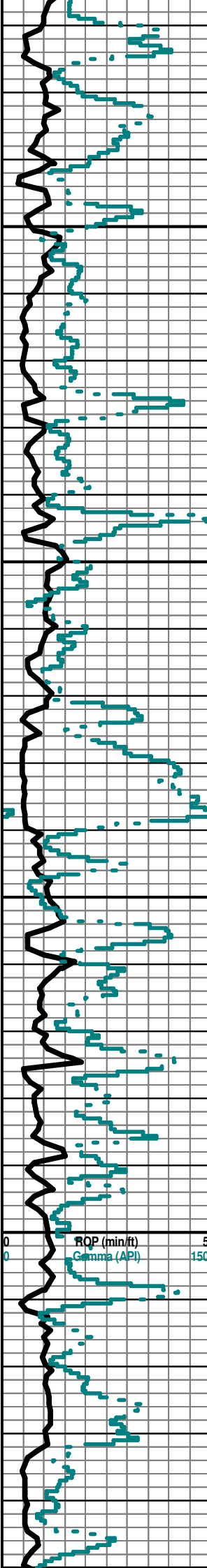
Begin 32' Sample Examination @ 3604'.

Ls Wht-Crm-Gry MicroIn-FxIn IxIn Por Micrite Dsn Barren Grad Poor
PPT IxIn Por Fos (Spicule) Chalk Sh Grn-Gry Soft-Fissil No Odor
Poor-Fair (Lt Grn) Flor No Stn NS

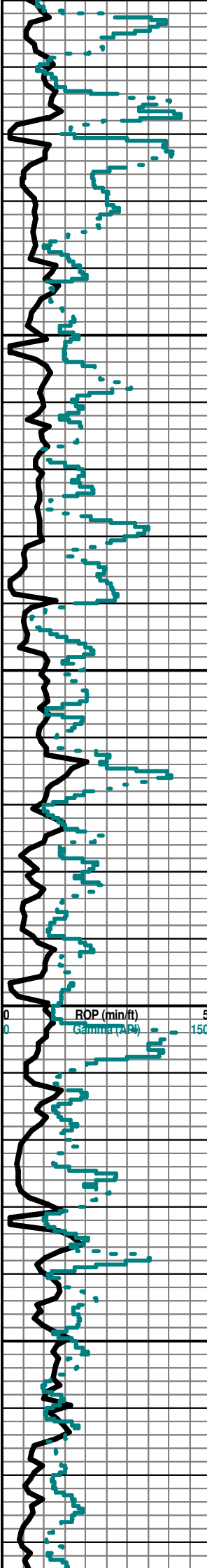
Ls Wht-Crm-Gry MicroIn-FxIn IxIn Por Micrite Dsn Barren Grad Poor
PPT IxIn Por Chalk Sh Grn-Gry Soft-Fissil No Odor Poor-Fair (Lt Grn)
Flor No Stn NS

TARKIO 3610' (- 755)

Ls Wht-Crm-Gry MicroIn-FxIn Poor IxIn Por Mostly Micritic Grad Poor
OOM Por (w/Small OOids in pl) Poor Leaching Cht Drk Gry-Gry Op Shp
Vit Chalk Sh Gry-Char Soft No Odor No Flor No Stn NS



TG, C1-C5 150



Ls Wht-Gry FxIn Poor IxIn Ppt Por Grad Micritic Dsn Barren Cht Gry Op
Shp Vit Chalk Sh Gry-Char Fissil No Odor No Flor No Stn NS

BERN 3689' (- 834)

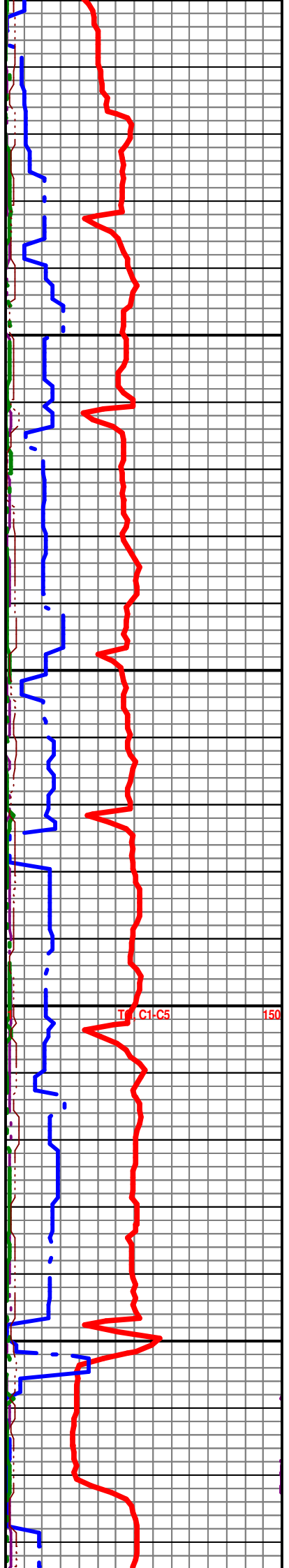
Ls Wht-Crm-Gry MicroIn-FxIn Poor IxIn PorGrad Micritic Cht Wht-Brn
Op Shp Vit Chalk Sh Gry-Char Soft No Odor No Flor No Stn NS

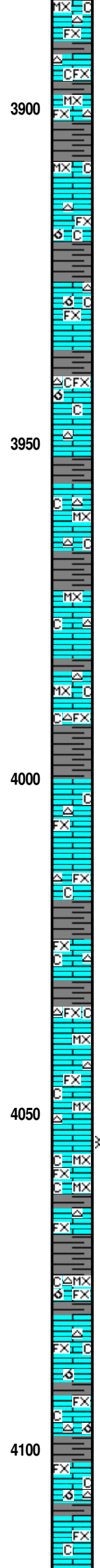
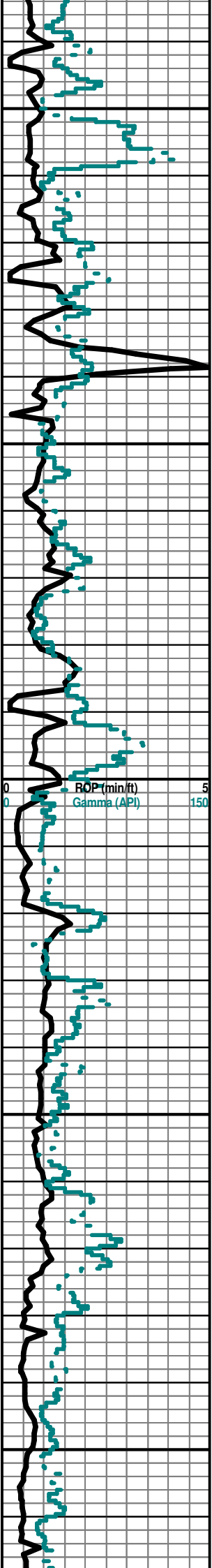
Sh Blk Carb-Gry Fissil Fissil Ls Wht-Crm-Gry MicroIn-FxIn Poor IxIn
Por Grad Micritic Cht Wht Op Shp Vit Chalk Sh Gry-Char Soft No Odor
No Flor No Stn NS

TOPEKA 3808' (- 953)

Ls Wht-Crm FxIn Poor IxIn Por Grad Micritic Dsn Barren Cht Wht-Gry Op
Shp Vit Chalk Sh Char-Red Fissil Soft No Odor No Flor No Stn NS

Ls Wht-Crm-Gry FxIn Poor IxIn Por Mostly Micritic Dsn Barren Chalk Sh
Char-Grn Fissil No Odor No Flor No Stn NS





Ls Wht-Crm MicroIn-FxIn IxIn Por Micritic Dsn Barren Cht Wht Op Shp Vit Chalk Sh Char-Gry No Odor No Flor No Stn NS

Ls Wht-Crm-Gry FxIn Poor IxIn Por Mostly Micritic Dsn Barren Grad Poor OOM Por (Poor Leaching Poor Develop Chalk Cht Gry Op Shp Vit Sh Char-Gry Fissil-Soft No Odor No Flor No Stn NS

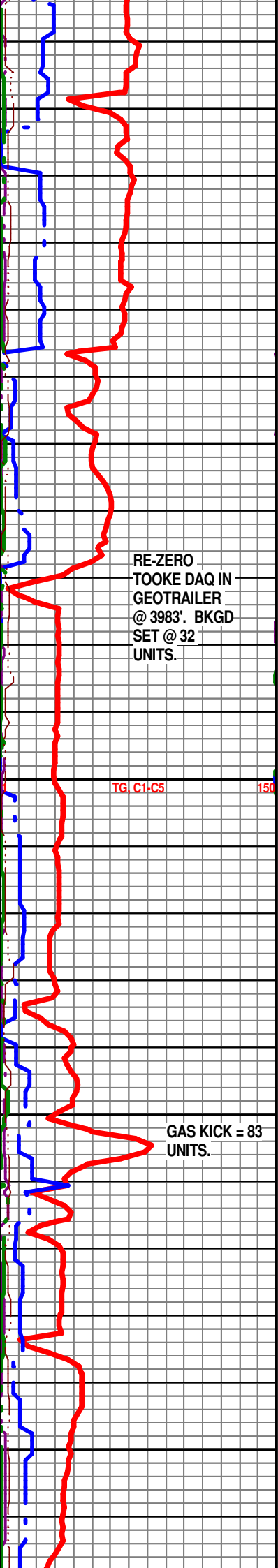
Ls Wht-Crm-Gry MicroIn Dns Micrite Grad Poor Ppt IxIn Por Cht Tan Op Shp Vit Chalk Sh Gry-Char-Aqua Soft-Fissil No Odor No Flor No Stn NS

LeCOMPTON 4000' (- 1145)

Ls Wht-Crm-Gry FxIn Dns Micrite Grad Poor Ppt IxIn Por Cht Drk Gry-Tan Translu-Op Shp Vit Chalk Sh Blk Carb-Gry Char Soft- Fissil No Odor No Flor No Stn NS

Ls Crm-Gry MicroIn-FxIn Dns Micrite Grad Poor-Fair IxIn Por Cht Tan Op Shp Vit Chalk Sh Char-Grn Fissil No Odor No Stn No Flor NS

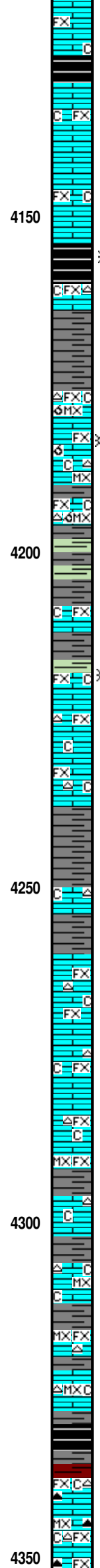
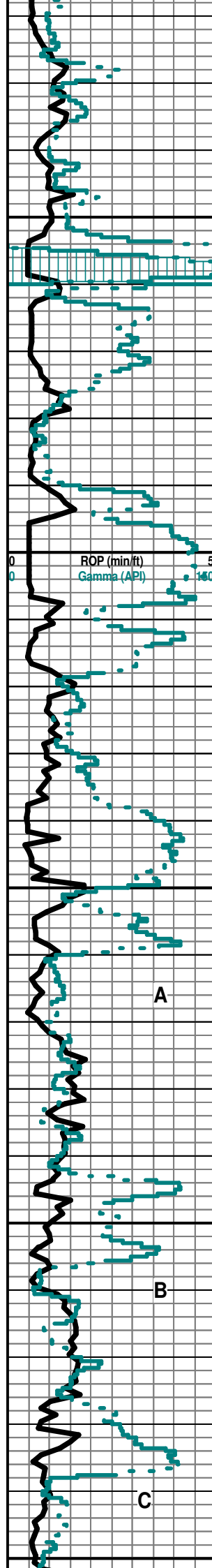
Ls Crm-Gry FxIn Dns Micrite Grad Poor-Fair IxIn Por Grad Poor OOM Por Barren Cht Tan-Drk Gry Op Shp Vit Chalk Sh Char-Grn Fissil No Odor No Stn No Flor NS



RE-ZERO
TOOKE DAQ IN
GEOTRAILER
@ 3983'. BKGD
SET @ 32
UNITS.

TG C1-C5 150

GAS KICK = 83
UNITS.



QUEEN HILL SHALE 4126' (- 1271)
OREAD 4130' (- 1275)

HEEBNER 4154' (- 1299)
 4210' Wet & Dry Spl. Sh Blk Carb-Gry-Char Soft-Fissil Ls Wht-Crm-Gry
 FxIn Dns Micrite Grad Poor Ppt IxIn Por Cht Wht Op Shp Vit Chalk No
 Odor No Flor No Stn SG in Blk Sh

SH GAS
 KICK = 69
 UNITS.

TORONTO 4176' (- 1321)

DOUGLAS 4190' (- 1335)

4242' Wet & Dry Spl. Sh Blk Carb-Char-Drab Grn-Aqua-Gry Soft-Fissil Ls
 Wht-Gry MicroIn-FxIn Dns Micrite Poor IxIn Ppt Por Grad Poor OOM
 Por Poor Leaching Poor Develop Chalky Cht Wht Op Shp Vit No Odor
 No Stn No Flor NS

TG C1-C5 150

GAS KICK =
 65 UNITS.

Ls Crm-Gry FxIn Dns Micrite Poor IxIn Por Chalk Cht Wht Translu-Op
 Shp Vit Sh Char-Drab Grn/Gry Fissil No Odor No Stn No Flor NS

IATAN (BROWN LIME) 4250' (- 1395)

LANSING 4260 (- 1405)

Ls Crm-Gry FxIn Dns Micrite Poor IxIn Por Cht Gry Translu-Op Shp Vit
 Chalk Sh Char-Gry Fissil No Odor No Stn No Flor NS

Sh Char-Gry Fissil Ls Crm-Gry MicroIn-FxIn Dns Micritic Grad Poor-Fair
 IxIn Ppt Por Cht Wht Op Shp Vit Chalk Wht No Odor No Stn ? Sli Min
 Flor NS

Ls Wht-Crm MicroIn-FxIn Poor IxIn Por Cht Wht-Yell-Gry-Drk Gry Op

A

B

C

4150

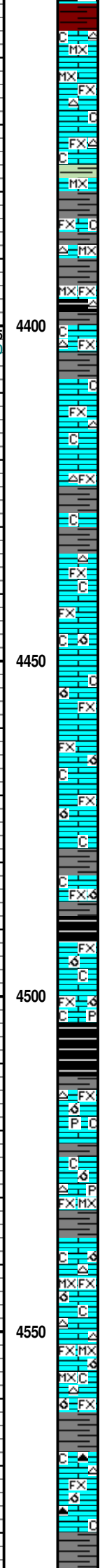
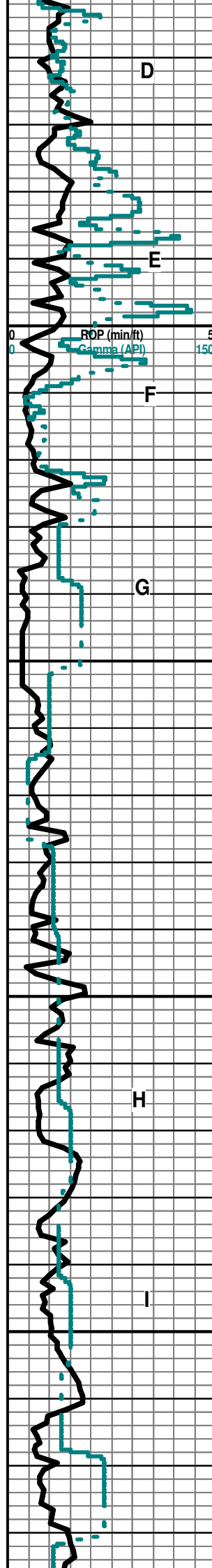
4200

4250

4300

4350

ROP (min/ft)
 Gamma (API)



LS Wht-Crm MicroIn-FxIn Poor IxIn Por Cht Wht-Fair-Gry-Drk Gry Op Shp Vit Chalk Sh Char-Gry Fissil No Odor No Stn Sli ? Min Flor (Lt Grn) NS

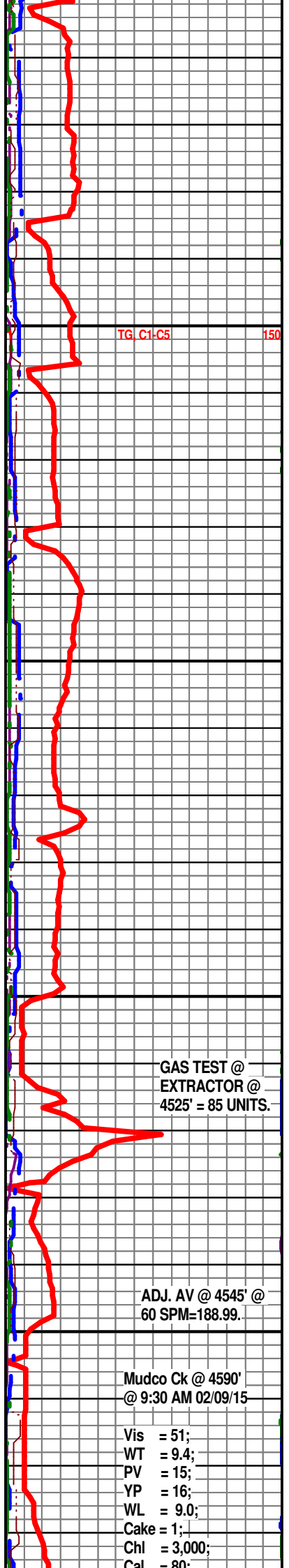
Ls Wht-Crm MicroIn-FxIn Dns Micritic Grad Poor IxIn Por Cht Wht Op Shp Vit Chalk Sh Blk Char-Char-Gry Fissil No Odor No Stn ? Sli Min Flor NS

Ls Gry-Crm-Tan FxIn Dns Micrite Cht Wht Op Shp Vit Chalky Sh Char-Gry Fissil No Odor No Flor No Stn NS

Ls Crm-Gry FxIn Dns Micrite Grad Poor-Fair IxIn Vug Por Grad Poor OOM Por (w/Small OOids in pl) Chalky Sh Gry-Grn-Aqua Fissil No Odor No Stn No Flor NS

Ls Crm-Tan FxIn Micritic Grad Med OOM (w/Small OOL in pl) Fair Vug InterOOM Dissolu Barren Cht Wht Op Shp Vit Pyr Mass Chalky Sh Blk Carb-Char-Gry Fissil No Odor No Flor No Stn NS

Ls Wht-Crm MicroIn-FxIn Dns Micrite Grad Med-Good OOM Por Med-Good Vug Dissolu Barren Cht Wht Op Shp Vit Chalky Sh Char-Gry-Aqua Fissil No Odor No Flor No Stn NS



TG, C1-C5 150

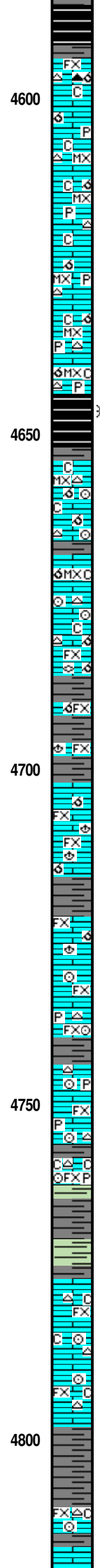
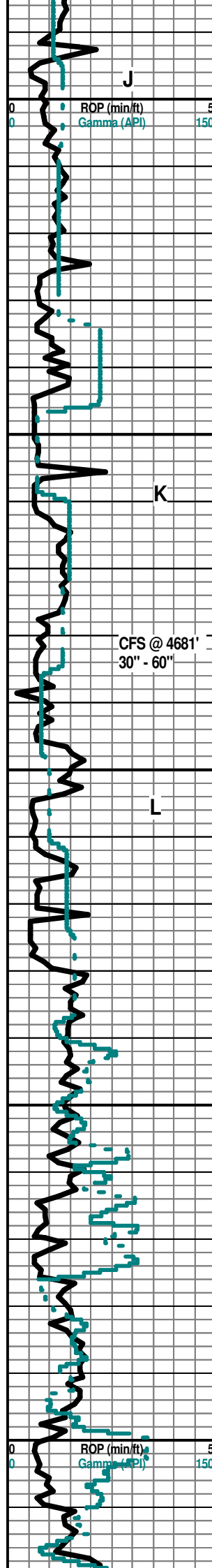
GAS TEST @ EXTRACTOR @ 4525' = 85 UNITS.

ADJ. AV @ 4545' @ 60 SPM=188.99.

Mudco Ck @ 4590' @ 9:30 AM 02/09/15

Vis = 51;
 WT = 9.4;
 PV = 15;
 YP = 16;
 WL = 9.0;
 Cake = 1;
 Chl = 3,000;
 Cal = 80

Cur = 00;
Sol = 7.7%
LCM = 2#;
DMC = \$2,306.55;
CMC = \$11,671.36



Ls Wht-Crm Fxln Micrite Grad Fair-Med Vug OOM Por Cht Wht-Drk Gry
Op Shp Vit Chalk Sh Char-Gry Fissil No Odor No Flor No Stn NS

STARK SHALE 4644' (- 1789)

30" CFS @ 4681' Sh Blk Carb Fissil (w/GSG) Ls Wht-Crm-Gry Microxln (w/Pyr Inclus) Dns
Micrite Chalky (V Abd) ? Faint Odor No Flor No Stn NS

KANSAS CITY "SWOPE" (K) Ø 4655' (-1800)

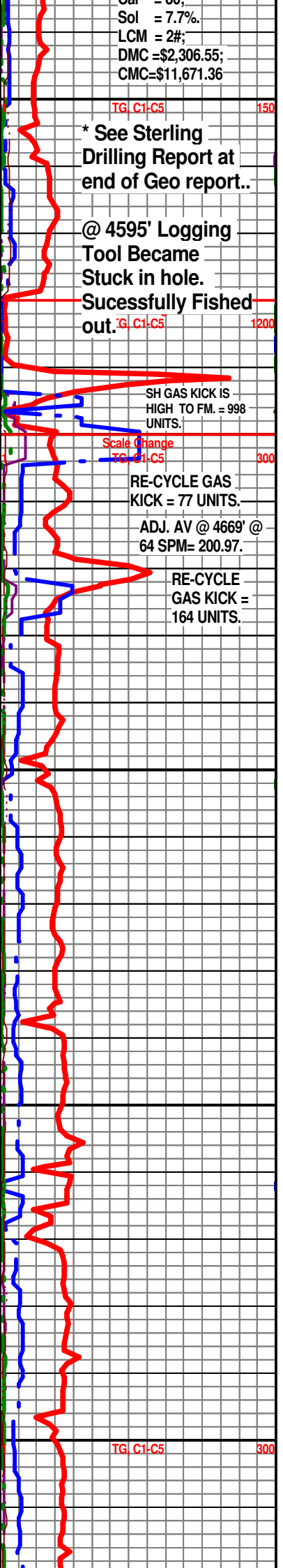
60" CFS @ 4681' Ls Wht-Crm-Gry Microxln (w/Pyr Inclus) Dns Micrite
Grad Med OOM Vug Por Med Leaching Good Develop Cht Wht op Shp
Vit Fos (Crin) Chalky (V Abd) Sh Blk Carb Fissil (w/GSG) No Odor No
Flor No Stn NS

Sh Char-Gry Fissil Ls Crm-Tan-Gry Fxln Poor Ixln Por Micritic Dns
Barren (w/Pyr & Chlorite Inclus) Grad Good OOM (w/Small-Med OOids
in pl) Por Good Leaching Good Develop Chalk Fos (Brach) No Odor No
Flor No Stn NS

Ls Wht-Crm Fxln Poor Ixln Por Micritic Dns Barren Cht Wht-Gry-Amber
Translu-Op Shp Vit Chalk Fos (Crin) Sh Char-Gry Fissil (Abd) No Odor
No Flor No Stn NS

MARMATON 4776' (- 1921)

Ls Wht-Crm Fxln Poor Ixln Por Micritic Dns Barren Grad Fair PPT Ixln Por
Grad Good OOM Por (w/Small OOids in pl (Indiv OOL) Good Leaching
Good Develop Cht Wht-Gry Op Shp Vit Sh Blk Carb-Char-Gry Fissil No
Odor No Flor No Stn NS



* See Sterling
Drilling Report at
end of Geo report..

@ 4595' Logging
Tool Became
Stuck in hole.
Sucessfully Fished
out.

SH GAS KICK IS
HIGH TO FM. = 998
UNITS.

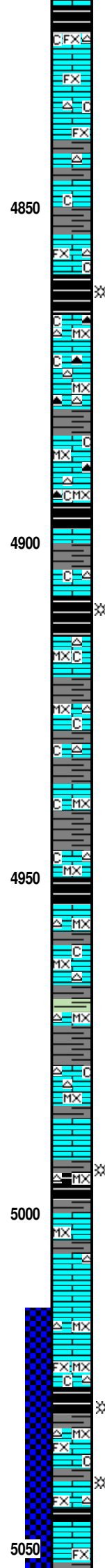
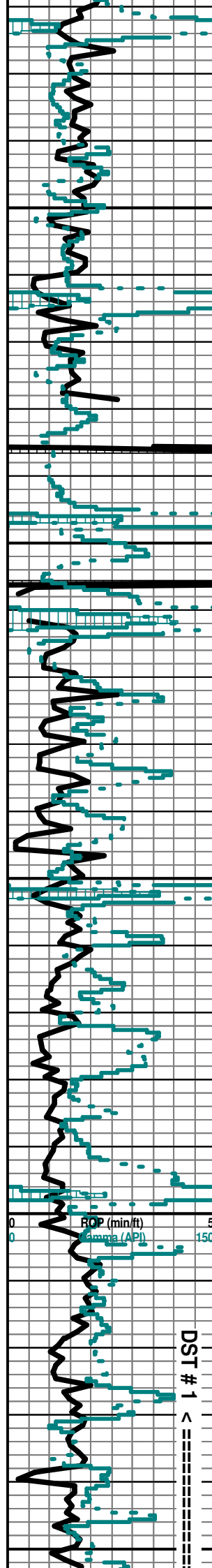
Scale Change
TG, C1, C5

RE-CYCLE GAS
KICK = 77 UNITS.

ADJ. AV @ 4669' @
64 SPM = 200.97.

RE-CYCLE
GAS KICK =
164 UNITS.

TG, C1, C5



Ls Wht-Crm FxIn Poor IxIn Por Micritic Dns Barren Grad Fair PPT IxIn Por
Cht Tan Op Shp Vit Chalk Sh Char-Gry-Aqua Fissil No Odor No Flor No
Stn NS

4850

PAWNEE 4862' (- 2007)

Sh Blk Carb (V Abd)-Char-Gry Fissil Ls Wht-Crm MicroIxIn Dns Micrite
Grad Poor IxIn Por Barren Cht Tan-Drk Gry Translu-Op Shp Vit Chalk No
Odor Sli ? Min Flor No Stn NS

4900

CHEROKEE 4908' (- 2053)

Ls Wht-Crm MicroIxIn Dns Micrite Grad Poor IxIn Por Barren Cht Tan Op
Shp Vit Chalk Sh Blk Carb-Char-Gry-Drab Grn Fissil No Odor Sli ? Min
Flor No Stn NS

4950

SECOND CHEROKEE SHALE 4951' (- 2096)

Ls Wht-Crm MicroIxIn Dns Micrite Grad Poor IxIn Por Barren Cht Tan Op
Shp Vit Chalk Sh Blk Carb-Char-Gry-Drab Grn Fissil No Odor Sli ? Min
Flor No Stn NS

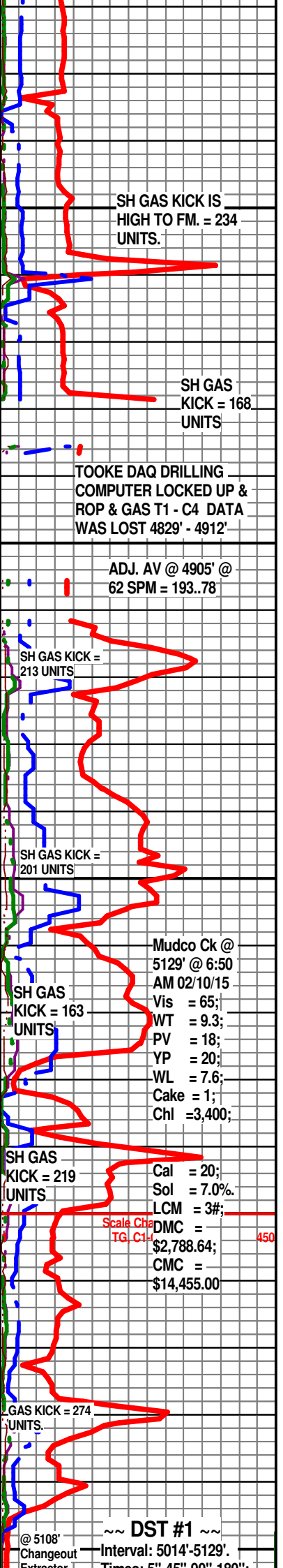
5000

THIRD CHEROKEE SHALE 4992' (- 2137)

Ls Wht-Crm MicroIxIn Dns Micrite Grad Poor IxIn Por Barren Cht Tan Op
Shp Vit Chalk Sh Blk Carb-Char-Gry-Drab Grn Fissil No Odor ? Sli Flor (Lt Grn) No Stn SSG

5050

5070' Spl. Ls Crm-Tan MicroIxIn-FxIn Dns Micrite Grad Poor-Fair Pin-Pt
Sli "Tight" Vug Por (1 Pc w/SSG) Cht Tan Op Shp Vit Chalk Sh Blk
Carb-Char-Gry-Drab Grn Fissil No Odor ? Sli Flor (Lt Grn) No Stn SSG



SH GAS KICK IS
HIGH TO FM. = 234
UNITS.

SH GAS
KICK = 168
UNITS

TOOKE DAQ DRILLING
COMPUTER LOCKED UP &
ROP & GAS T1 - C4 DATA
WAS LOST 4829' - 4912'

ADJ. AV @ 4905' @
62 SPM = 193.78

SH GAS KICK =
213 UNITS

SH GAS KICK =
201 UNITS

Mudco Ck @
5129' @ 6:50
AM 02/10/15
Vis = 65;
WT = 9.3;
PV = 18;
YP = 20;
WL = 7.6;
Cake = 1;
Chl = 3,400;

SH GAS
KICK = 163
UNITS

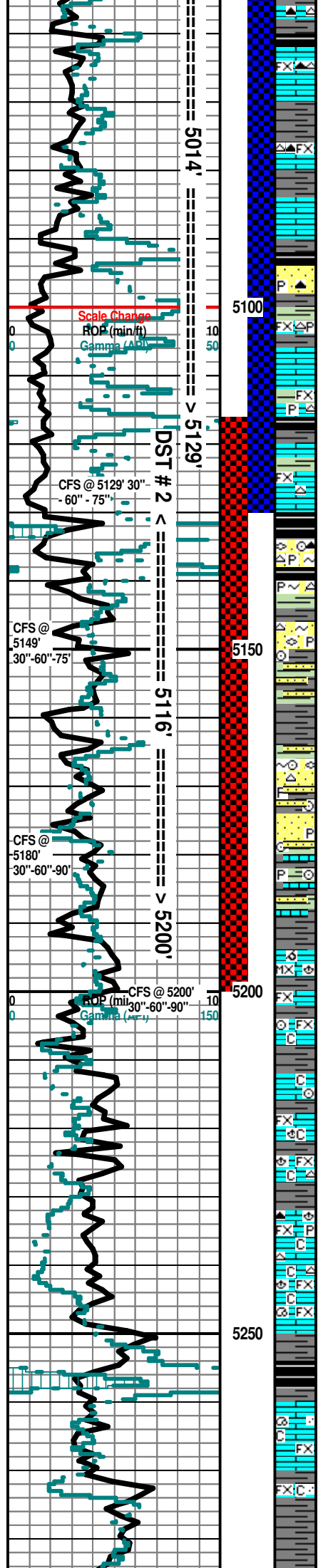
SH GAS
KICK = 219
UNITS

Cal = 20;
Sol = 7.0%.
LCM = 3#;
DMC =
\$2,788.64;
CMC =
\$14,455.00

Scale Chg
TG, C:11 450

SH GAS KICK = 274
UNITS

@ 5108' ~ ~ DST #1 ~ ~
Changeout Interval: 5014'-5129'
Extensor Times: 5" 45" 90" 180"



Begin 10' Samples Wet @ 5112'

5112' Spl. Ls Crm-Wht-Tan Fxln Poor Ixln Por Micritic Dns Barren Cht Wht- Drk Gry Op Shp Vit Sh Blk Carb-Char-Gry Fissil No Odor No Flor No Stn NS

Ls Crm-Wht-Tan Fxln Poor Ixln Por Micritic Dns Barren Cht Amber-Tan-Gry Translu-Op Shp Vit Sh Blk Carb-Char-Gry Fissil No Odor No Flor No Stn NS

ATOKA SHALE 5090' (- 2235)

30" CFS @ 5129' Qtz Ss (6 Pcs in Tray) Gry-Lt Brn VFGrn Ang-Sub Ang mL = 250-350 Microns = 2.0-1.5 Ø Well Sort V Friable (w/GSG & FSO (Lt Brn) in Wtr Under Heat) (No Glacu Includ) Sli CaCO3 Cmt Matrix Ls Crm- Wht- Tan Fxln Poor Ixln Por Micritic Dns Barren Cht Amber Translu Shp Vit Sh Blk Carb-Char-Gry-Aqua Fissil Fair-Med Odor No Flor (Gas & Oil Does Not Flor) Pyr Mass Fair-Med Odor No Flor Fair Sat Stn (Lt Brn) GSG & FSO

60" CFS @ 5129' Qtz Ss AA (2 Pcs in Tray) Lt Brn VFGrn Ang-Sub Ang mL = 250-350 Microns = 2.0-1.5 Ø Well Sort V Friable (w/GSG & FSO (Lt Brn) in Wtr Under Heat) (No Glacu Includ) Sli CaCO3 Cmt Matrix Ls AA Cht AA Sh Blk Carb-Char-Gry-Aqua Fissil Fair-Med Odor No Flor (Gas & Oil Does Not Flor) Pyr Mass ? Faint Odor No Flor Fair Sat Stn (Lt Brn) SG & SO AA

75" CFS @ 5129' Sh Blk Carb-Char-Gry-Aqua Fissil Ls AA Qtz Ss (1 Pcs) (w/SSG & SSO AA) Cht AA Faint Odor Stn AA No Flor ? SG & SO

MORROW SHALE 5130' (- 2275)

MORROW SAND 5134' (- 2279)

30" CFS @ 5149' Qtz Ss Lt Brn-Tan VFGrn-FGrn Ang-Sub Ang Clusters Poor-Fair IGran Por Well-Sort Friable (w/Glacu & Lt Org Cht Includ) Lt Cmt (CaCO3 Matrix) SG Gas Does Not Flor Cht Amber-Gry-Org Translu-Op Shp Vit Ls AA Fos (Crin, Fuss) Pyr Mass Sh Char-Gry-Lt Grn Fissil No Odor Lt Brn Stn No Flor SSG

60" & 75" CFS @ 5149' Qtz Ss Lt Brn-Gry VFGrn-FGrn Ang-Sub Ang Clusters Poor-Fair IGran Por Well-Sort Friable (w/Glacu & Gillsoritnic Includ) Lt Cmt AA SSG Gas Does Not Flor Cht Wht (w/Fos (Fuss)-Gry Translu-Op Shp Vit Ls AA Fos (Fuss, Crin) Pyr Mass Sh Char-Gry-Lt Grn-Aqua Fissil No Odor Lt Brn Stn No Flor SSG

Sh Char-Gry-Drab en/Gry-Aqua Fissil V Abd Ls AA Cht AA Qtz Ss Lt Brn-Gry (8 Pcs) VFGrn (w/Pyr Includ) Grad FGrn Ang-Sub Ang Fair Sort (w/Glacu Includ) Med CaCO3 Matrix Fos (Crln, Fuss) SSG & NSO No Odor No Flor Lt Brn Stn (Few Pcs) SSG

30" CFS @ 5180' Sh Char-Gry-Drab Grn/Gry-Aqua Fissil V Abd Ls AA Cht AA Qtz Ss Lt Brn-Gry (Tr. Only 3 Pcs) VFGrn (w/Pyr Includ) Grad FGrn Ang-Sub Ang Fair Sort (w/Glacu Includ) Med CaCO3 Matrix Fos (Crln, Fuss) SSG & NSO No Odor No Flor Lt Brn Stn (Few Pcs) SSG

60" CFS @ 5180' Sh Char-Gry-Drab Grn/Gry-Aqua Fissil V Abd Ls AA Cht AA Qtz Ss Gry (1 Pc Sluff) VFGrn Ang-Sub Ang Fair Sort (w/Glacu Includ) Med CaCO3 Matrix Fos (Crln, Fuss) SSG & NSO No Odor No Flor No Stn SSG

75" CFS @ 5180' Sh Char-Gry-Drab Grn/Gry-Aqua Fissil V Abd Ls AA Cht AA Qtz Ss AA Lt Brn-Gry (5 Pcs) FGrn Well Sort (w/SSG) No Odor No Flor No Stn NS

30" CFS @ 5200' Sh Char-Gry-Drab Grn/Gry-Aqua Fissil V Abd Ls AA Cht AA Fos (Crin) Pvr Mass No Odor No Flor No Stn NS

MISSISSIPPIAN "CHESTER" 5194' (- 2339)

60" CFS @ 5200' Sh Char-Gry-Drab Grn/Gry-Aqua Fissil V Abd Ls AA Cht AA Qtz Ss Gry (1 Pc ? Sluff) VFGrn Ang-Sub Ang Fair Sort (w/SSG AA) Lt CaCO3 Matrix Fos (Crin) Pyr Mass No Odor No Flor No Stn NS

90" CFS @ 5200' Ls Wht-Crm Microxln-Fxln Dns Micrite Grad Poor OOM Por Poor Leaching Poor Develop Fos (Brach) Sh AA (V Abd) Fissil No Odor No Stn No Flor NS

Ls Wht-Crm-Gry Fxln Dns Micrite Grad Poor-Fair Ixln PPT Por Barren Fos (Crin) Chalk Sh Char-Gry Fissil No Odor No Stn No Flor NS

Ls Wht-Crm-Gry Fxln Dns Micrite Grad Poor-Fair Ixln PPT Por Barren Fos (Crin) Chalk Sh Char-Gry Fissil No Odor No Stn No Flor NS

Ls Wht (w/Tr Chlorite (Grn) Includ)-Gry Fxln Dns Micrite Grad Poor-Fair Ixln PPT Por Barren Cht Yell-Peach Translu Shp Vit Fos (Brach) Chalk Sh Char-Gry-Blk Carb Fissil No Odor No Stn No Flor NS

Ls Wht (w/Tr Chlorite (Grn) Includ)-Gry Fxln Dns Micrite Grad Poor-Fair Ixln PPT Por Barren Cht Yell-Peach-Lt Red Translu-Op Shp Vit Fos (Brach) Pyr Mass Chalk Sh Char-Gry-Blk Carb Fissil No Odor No Stn No Flor NS

Ls Wht (w/Tr Chlorite (Grn) Includ)-Gry Fxln Dns Micrite Grad Poor-Fair Ixln PPT Por Barren Cht Yell-Peach Translu Shp Vit Fos (Brach) Chalk Sh Char-Gry Fissil No Odor No Stn No Flor NS

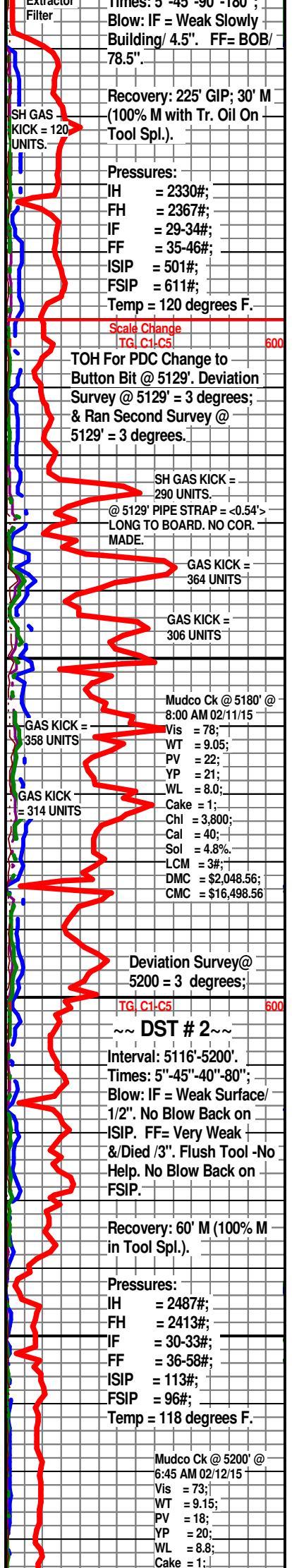
Ls Wht (w/Tr Chlorite (Grn) Includ)-Crm-Lt Grn Fxln Dns Micrite Grad Poor-Fair Ixln PPT Por Barren Fos (Gastro) Chalky Sh Char-Gry-Aqua Fissil No Odor No Stn No Flor NS

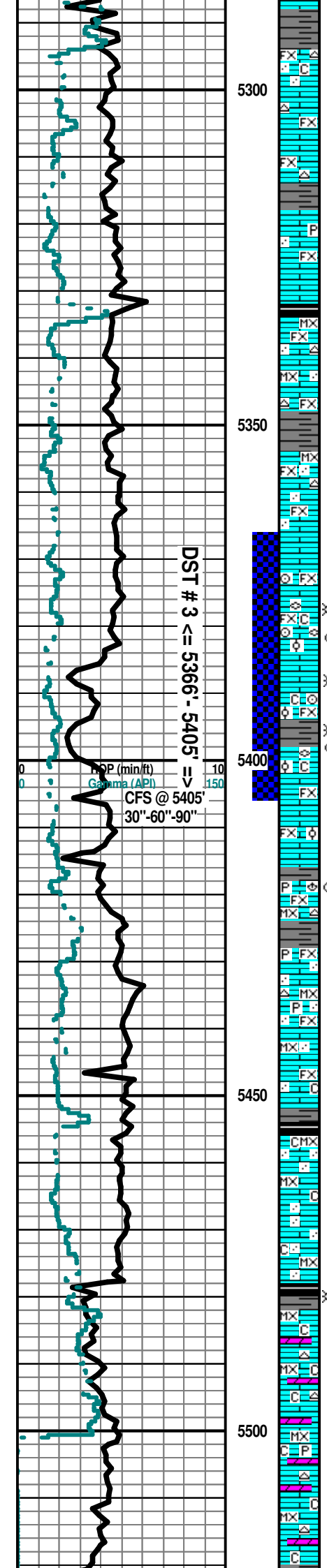
Ls Wht (w/Tr Chlorite (Grn) Includ)-Crm-Lt Grn Fxln Dns Micrite Grad Poor-Fair Ixln PPT Por Barren Grad Poor Lt Grn Gran PPT Por (w/? Qtz Ss Includ) Fos (Gastro) Chalky Sh Char-Gry-Aqua Fissil No Odor No Stn No Flor NS

MISSISSIPPIAN "STE. GEN" 5270' (- 2415)

Ls Wht-Gry Fxln Poor "Sandy Ls" (w/Small Qtz Ss Includ) Wht-Crm- Tan VFGrn Ang-Sub Ang Includ (fL=125-177 Microns= 3.0-2.25 Ø) Barren Grad Crm-Tan-Gry Fxln Dns Micrite Chalky Sh Char-Blk Carb-Gry-Drab Grn Fissil No Odor No Stn No Flor NS

Ls Wht-Gry Fxln Poor "Sandy Ls" (w/Small Qtz Ss Includ) Wht-Crm-Tan VFGrn Ang-Sub Ang Includ (fL=125-177 Microns= 3.0-2.25 Ø) Barren Grad Crm-Tan-Gry Fxln Dns Micrite





Ls Wht-Gry Fxln Poor "Sandy Ls" (w/Small Qtz Ss Includ) Wht-Crm-Tan VFGrn Ang-Sub Ang Includ (fL=125-177 Microns= 3.0-2.25 Ø) Barren Grad Crm-Tan-Gry Fxln Dns Micrite Cht Tan Translu Shp Vit Sh Char-Blk Carb-Gry-Drab Grn Fissil No Odor No Stn No Flor NS

Ls Wht-Gry Fxln Poor "Sandy Ls" (w/Small Qtz Ss Includ) Wht-Crm-Tan VFGrn Ang-Sub Ang Includ (fL=125-177 Microns= 3.0-2.25 Ø) Barren Grad Crm-Tan-Gry Fxln Dns Micrite Cht Amber-Tan Translu Shp Vit Sh Char-Blk Carb-Gry Fissil No Odor No Stn No Flor NS

Ls Wht-Gry Fxln Poor "Sandy Ls" (w/Small Qtz Ss Includ) Wht-Crm-Tan VFGrn Ang-Sub Ang Includ (fL=125-177 Microns= 3.0-2.25 Ø) Barren Grad Crm-Tan-Gry Fxln Dns Micrite Cht Wht-Peach Translu Shp Vit Sh Char-Blk Carb-Gry Fissil No Odor No Stn No Flor NS

Ls Wht-Gry Fxln Poor "Sandy Ls" (w/Small Qtz Ss Includ) Wht-Crm-Tan VFGrn Ang-Sub Ang Includ (fL=125-177 Microns= 3.0-2.25 Ø) Barren Grad Crm-Tan-Gry Fxln Dns Micrite Pyr Mass Sh Char-Blk Carb-Gry Fissil No Odor No Stn No Flor NS

MISSISSIPPIAN "ST. LOUIS" 5334' (- 2479)

Ls Wht-Gry Fxln Poor "Sandy Ls" (w/Small Qtz Ss Includ) Wht-Crm-Tan VFGrn Ang-Sub Ang Includ (mL=250-350 Microns= 2.0-1.5 Ø) Barren Grad Gry Microxin Dns Micrite Cht Wht-Peach Translu Shp Vit Sh Char-Gry Fissil No Odor No Stn No Flor NS

Ls Wht-Gry Fxln Poor "Sandy Ls" (w/Small Qtz Ss Includ) Wht-Crm-Tan Fine-Med Grn Ang-Sub Ang Includ (mL=250-350 Microns= 2.0-1.5 Ø) Barren Grad Crm Fxln Dns Micrite Cht Yell-Peach Translu Shp Vit Sh Char-Blk Carb-Gry Fissil No Odor No Stn No Flor NS

MISS. ST. LOUIS UPPER B Ø 5354'(-2499)

Ls Wht-Gry Fxln Poor "Sandy Ls" (w/Small Qtz Ss Includ) Wht-Crm-Tan Fine-Med Grn Ang-Sub Ang Includ (mL=250-350 Microns= 2.0-1.5 Ø) Barren Grad Crm Fxln Dns Micrite Cht Amber Translu Shp Vit Sh Char-Gry-Aqua Fissil No Odor No Stn No Flor NS

Ls Wht-Gry Fxln Poor "Sandy Ls" (w/Small Qtz Ss Includ) Wht-Crm-Tan Fine-Med Grn Ang-Sub Ang Includ (mL=250-350 Microns= 2.0-1.5 Ø) Barren Grad Crm Fxln Dns Micrite Sh Char (w/Carb Includ)-Gry-Aqua Fissil No Odor No Stn No Flor NS

MISS. ST. LOUIS LWR B Ø 5380' (-2525)

30" CFS @ 5405' Ls Wht Fxln Small-Med OOL Por (w/Small-Med-Lg Free OOids in Pl & in CaCO3 Matrix(w/Lt Cmt)) Friable Med-Good InterOOL Por (w/Tr Lt Brn Stn in Pin-Pt InterOOL Por) Med Leaching Med Develop FSG & SFO Lt Brn (in Wtr Under Heat) Gas & Oil Do Not Flor Fos (? Crin, Fuss) Pyr Mass Tr Chalk ? Faint Odor No Flor FSG & SSFO

60" CFS @ 5405' Ls Wht Fxln Small-Med-Lg OOL Por (w/Abd Small-Med-Lg w/Free OOids in Pl & w/Lt CaCO3 Cmt Matrix(V Friable Med-Good InterOOL Por (w/Tr Lt Brn Stn in Med-Good Pin-Pt InterOOL Por) Med-Good Leaching Med-Good Develop Fair SG & SFO Lt Brn (in Wtr Under Heat) Gas & Oil Do Not Flor Fos (? Crin, Fuss) Pyr Mass Tr Chalk Sh Char-Gry-Aqua Fissil Faint Inc Odor No Flor MSG & SFO

90" CFS @ 5405' Ls Wht AA Small-Med-Lg OOL Por (w/Abd Med-Lg in pl w/CmtAA (V Friable Med-Good InterOOL Por (w/Tr Lt Brn Stn in Med-Good Pin-Pt InterOOL Por) Med Leaching Med Develop Fair SG & SFO Lt Brn AA Pyr Mass Tr Chalk Sh Char-Gry-Aqua Fissil Inc Odor No Flor MSG & SFO

Ls Wht AA (? Sluff w/1 Pcs) Med OOL Por (w/Med OOids in pl & Friable AA & PPT InterOOL Por) Fair SG & SO AA Grad Microxin Dns Micrite Fos (Brach) Pyr Mass Tr Chalk Sh Char-Gry-Aqua Fissil (V Abd Trip Debris) No Odor No Flor ? SG & SFO

Ls Wht Microxin-Fxln Dns Micrite Grad Poor PPT lxn Granular Por Barren Cht Peach-Org Translu-Op Shp Vit Pyr Mass Sh Char-Gry-Aqua Fissil No Odor No Flor No Stn NS

Ls Wht Microxin-Fxln Dns Micrite Grad Poor PPT lxn Granular Por Barren Cht Peach-Org Translu-Op Shp Vit Pyr Mass Sh Char-Gry-Aqua Fissil No Odor No Flor No Stn NS

Ls Wht-Crm Fxln "Sandy Ls" (w/Small Qtz Ss Includ) Wht-Crm-Tan VFGrn Ang-Sub Ang Includ (fL=125-177 Microns= 3.0-2.25 Ø) Poor lxn Por Grad Dns Micritic Barren Cht Wht-Peach Translu-Op Shp Vit Chalk Sh Vari- Colored Blk-Carb-Char-Drab Grn-Aqua Soft-Fissil No Odor No Stn No Flor NS

Ls Wht-Crm Fxln "Sandy Ls" (w/Small Qtz Ss Includ) Wht-Crm-Tan VFGrn Ang-Sub Ang Includ (fL=125-177 Microns= 3.0-2.25 Ø) Poor lxn Por Grad Dns Micritic Barren Cht Wht-Peach Translu-Op Shp Vit Chalk Sh Vari- Colored Blk-Carb-Char-Drab Grn-Aqua Soft-Fissil No Odor No Stn No Flor NS

Ls Wht-Crm Fxln "Sandy Ls" (w/Small Qtz Ss Includ) Wht-Crm-Tan VFGrn Ang-Sub Ang Includ (fL=125-177 Microns= 3.0-2.25 Ø) Poor lxn Por Grad Dns Micritic Barren Cht Wht-Peach Translu-Op Shp Vit Chalk Sh Vari- Colored Blk-Carb-Char-Drab Grn-Aqua Soft-Fissil No Odor No Stn No Flor NS

Ls Wht-Crm Fxln "Sandy Ls" (w/Small Qtz Ss Includ) Wht-Crm-Tan VFGrn Ang-Sub Ang Includ (fL=125-177 Microns= 3.0-2.25 Ø) Poor lxn Por Grad Dns Micritic Barren Cht Wht-Peach Translu-Op Shp Vit Chalk Sh Vari- Colored Blk-Carb-Char-Drab Grn-Aqua Soft-Fissil No Odor No Stn No Flor NS

MISS. SALEM (SPERGEN) 5482' (- 2627)

Ls/Dolo Wht-Gry Microxin Dns Micrite Barren Grad Poor lxn Por Cht Wht- Gry Translu-Op Shp Vit Cht Wht-Peach Translu-Op Shp Vit Chalk Sh Blk Carb-Char-Gry-Aqua Fissil No Odor No Stn No Flor NS

Ls/Dolo Wht-Gry-Tan Microxin Dns Micrite Barren Grad Poor lxn Por Cht Wht-Gry Translu-Op Shp Vit Chalk Sh Char-Gry- Aqua Fissil No Odor No Stn No Flor NS

Ls/Dolo Wht-Crm-Tan Microxin Dns Micrite Barren Grad Poor lxn Por Cht Wht-Gry Translu-Op Shp Vit Chalk Sh Char (w/Pyr Includ)-Gry-Aqua Fissil No Odor No Stn No Flor NS

Ls/Dolo Wht-Crm-Tan Microxin Dns Micrite Barren Grad Poor lxn Por Cht Wht-Gry Translu-Op Shp Vit Chalk Sh Char-Gry- Aqua Fissil No Odor No Stn No Flor NS

Cal = 40;
Sol = 6.2%
LCM = 2#;
DMC = \$181.45;
CMC = \$16,680.01

Scale Change
TG C1-C5 300

~DST # 3~
Interval: 5366'-5405'. Times:
5"-60"-75"-150";
Blow: IF = Weak Surface/
1/2". No Blow Back on ISIP.
FF=Good/ 3" Building
BOB/ 19.5". No Blow Back
on FSIP.

Recovery: 570 GIP; 70' TF:
10' OCM (24% O & 76% M);
60' GHMCO (7% G & 50% O
& 43% M). Tool Spl.= 87%
O & 13% M.

Pressures:
IH = 2559#;
FH = 2545#;
IF = 25-30#;
FF = 35-51#;
ISIP = 1477#;
FSIP = 1448#;
Temp = 125 degrees F.

BKGD
GAS = 80
UNITS.

GAS KICK =
129 UNITS.

GAS KICK = 127
UNITS.

Deviation Survey @
5405' = 2 degrees;

TG C1-C5 300

TRIP GAS =
203 UNITS.

TRIP GAS = 226 UNITS.

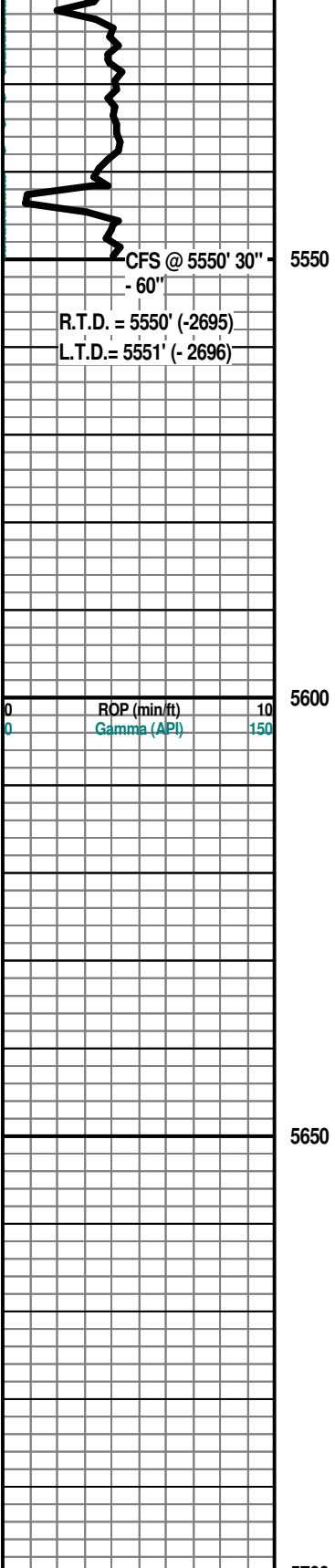
Mudco Ck @ 5405'
@ 6:00 AM 02/13/15

Vis = 54;
WT = 9.3;
PV = 16;
YP = 18;
WL = 9.2;
Cake = 1;
Chl = 4,000 Ppm;
Cal = 20;
Sol = 6.9%
LCM = 2.5#;
DMC = \$1,296;36
CMC = \$17,976.37

SH GAS KICK=
157 UNITS.

Mudco Ck @ 5550'
@ 1:00 AM 02/14/15

Vis = 56;
WT = 9.25;
PV = 17;
YP = 19;
WL = 8.8;
Cake = 1;
Chl = 3,500 Ppm;
Cal = 20;



Ls/Dolo Wht-Crm-Tan MicroxIn Dns Micrite Barren Grad Poor IxIn Por
 Cht Wht-Gry Translu-Op Shp Vit Chalk Sh Blk Carb-Char (Abd)-Aqua
 Fissil No Odor No Stn No Flor NS
 30" CFS @ 5550' Ls/Dolo Wht-Crm-Tan MicroxIn Dns Micrite Barren Grad Poor IxIn Por
 Cht Wht-Gry Translu-Op Shp Vit Chalk Sh Blk Carb-Char (Abd)-Aqua Fissil No Odor No
 Stn No Flor NS
 60" CFS @ 5550' Ls/Dolo Wht-Crm-Tan MicroxIn Dns Micrite Barren Grad Poor IxIn Por
 Cht Wht-Gry Translu-Op Shp Vit Pyr Mass Chalk Sh Blk Carb-Char (Abd)-Aqua Fissil No
 Odor No Stn No Flor NS
 75" CFS Ls/Dolo Wht-Crm-Tan MicroxIn Dns Micrite Barren Grad Poor IxIn Por Cht
 Wht-Gry Translu-Op Shp Vit Chalk Sh Blk Carb-Char (Abd)-Aqua Fissil No Odor No Stn
 No Flor NS

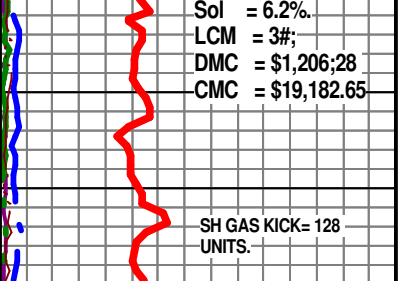
Electric Logs Run By: ReCon Logging (Dual
Induction; Compensated Density-Neutron; Di-Pole Sonic;
Microresistivity Logs).

Geologist left Location @ 6:30 PM on 02/14/2015

* 2/15/2015 Per Sterling Drilling Report: While making the their run with
 logging tool that contained the source, the tool became stuck on the
 way up at 4595'. As per RECON, they had just started to register an
 increase in drag. They halted their pull, folded the caliper, and
 attempted to go down with tool. Tool will not go down. And can't go
 up. RECON has pulled 5300 Lbs trying to pull free. At 7300 lb pull, the
 cable would pull out of tool. Tool at 4595'. The tool is 72' long and
 source in in middle of the tool. Cable has a netting for 20" above the
 tool that is 2.31" diameter. Logging tool head is 3.50" OD. Kansas
 Fishing tool was not available. As per Weatherford: They have the tool
 and fisherman needed. It is in use on a Tomcat rig near Sublette. As
 Per RECON; That is also a RECON logging tool and it is also stuck
 around 4500'. Hope to have tools and fisherman on location by early
 this afternoon.

2/16/2015 Fisherman with AA (Andrew) on location at 6:00 pm
 Weatherford tool (side door overshot) on location at 6:40 pm When tool
 20 feet above fish it hit a small bridge. Washed down to 10 foot above
 logging tool and at that point communication between logging tool and
 logging truck was lost. Reached the calculated depth of the top of the
 fish with overshot. Never took weight or pressured up to indicate that
 the fish was in the overshot. Have continued working tool and fish to
 bottom. Thought is that fish is inside overshot and the wireline cable is
 severed but hung up in the overshot. Will push fish to bottom with plan
 that that will shove the fish tighter up into the overshot. Will then chain
 out of the hole.

2/17/2015 Tripped out and had logging tool in the overshot Wireline
 cable was still in hole. Pulled on cable with logging truck but unable to
 free cable. Hooked cable into the sidedoor overshot and tripped in hole
 (Stripping the cable away from the wellbore wall). With sidedoor
 overshot at 3500' the wireline cable came free and was retracted into
 logging truck. No cable was lost.



Deviation Survey @
5550' = 2 degrees.

0	ROP (min/ft)	10
0	Gamma (API)	150

1	TG, CI, C5	300
---	------------	-----



Cement Report

Customer Falcon Exploration		Lease No.		Date 2-17-15						
Lease Gilbert Nickel		Well # H-25		Service Receipt 05242						
Casing 5 1/2" 105#		Depth 5500'		County Maskell State KS						
Job Type 242-5 1/2" Production		Formation		Legal Description 25-28-31						
Pipe Data			Perforating Data			Cement Data				
Casing size 5 1/2" 105#		Tubing Size		Shots/Ft			Lead 50 sk			
Depth 5534'		Depth		From		To		ACen		
Volume Disp-132 bbl		Volume		From		To				
Max Press 2500#		Max Press		From		To		Tail in 100 sk		
Well Connection ID-5550'		Annulus Vol.		From		To		AA2		
Plug Depth SJ-11'		Packer Depth		From		To				
Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log					
7:00					on loc-site assessment spot trucks-rig up start csg + fleet equip csg on btu, break circ safety meeting-ISA					
1:00					pressure test 3000#					
1:05			13	3	plug ret + mouse holes w/ 50 sk					
1:10	200		5	4	pump 5 bbl H2O spacer					
	200		12	4	pump 12 super flush					
	200		5	4	pump 5 bbl H2O spacer					
1:15	150		26	6	mix & pump 50 sk ACen @ 11.4 #					
1:30	100		40	6	switch to 150 sk AA2 @ 14.8 #					
1:40					wash lines					
1:45	1000		0	7	drop latch down plug disp csg					
2:15	1500		131	0	land plug, fleet hold job complete					
Service Units		78940		37223-37726 14385-14883						
Driver Names		A Jurea		R. Edwards		S. Chavez				

Dean Kurtz
Customer Representative

T. Davis
Station Manager

A. Jurea
Cementer

ALLIED OIL & GAS SERVICES, LLC 055652

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Russell, KS

Gilbert Nickel #1-25(WD)

DATE 2-6-15	SEC. 25	TWP. 28	RANGE 31	CALLED OUT 6:10 AM	ON LOCATION 9:00 AM	JOB START 2:00	JOB FINISH 3:15 PM
LEASE Gilbert Nickel	WELL # 25	LOCATION Copeland - west to W2 - North			COUNTY Haskell	STATE KS	
OLD OR NEW (Circle one)			1/2 mile to Hwy 144 - 2 west to RR				
			1/2 North - 1/4 East into				

CONTRACTOR Stedings OWNER _____

TYPE OF JOB 8 5/8 Surface
 HOLE SIZE 12 1/4 T.D. _____
 CASING SIZE 8 5/8 DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT _____

CEMENT
 AMOUNT ORDERED 400 sks Accon Blend
150 sks Common

COMMON 150 sks @ 17.90 2685.00
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE 155 lb @ 11.0 1706.10
 ASC _____ @ _____
 Accon 400 sks @ 20.00 8000.00
 @ _____
 Cellulose 138 lb @ 2.97 409.86
 C-51 WCA 76 lb @ 17.55 1333.80
 @ _____

EQUIPMENT

PUMP TRUCK CEMENTER Steve Orlando
 # 409 HELPER Nathan Dome
 BULK TRUCK
 # 73787 DRIVER Tony Jordan
 BULK TRUCK
 # 985-292 DRIVER Ben Griffin

Material @ 14134.76
Accon @ 664333
 @ _____
 HANDLING 550 sks @ 2.48 1364.00
 Tm MILEAGE 10.98 Tm 2.75 3554.38
1292.50
 TOTAL _____

REMARKS:

SERVICE

DEPTH OF JOB 1800'
 PUMP TRUCK CHARGE _____ 2213.75
 EXTRA FOOTAGE _____ @ _____
 LV MILEAGE 50 @ 4.40 220.00
 MANIFOLD _____ @ _____
 Head 1 @ 275 275.00
 HV Mileage 50 @ 2.70 135.00
Accon 3765.70 TOTAL 8012.13

PLUG & FLOAT EQUIPMENT

Top Rubber Plug 8 5/8 @ 1 @ 131.00
 Centralizer 8 5/8 5 @ 75.00 375.00
 Baffle Plate 8 5/8 1 @ 170.00 170.00
 Guide Shoe 1 @ 460.00 460.00
 Baskets 3 @ 560.00 1680.00
Accon 1343.53 TOTAL 2816.00

SALES TAX (If Any) _____
 TOTAL CHARGES 24962.89
 DISCOUNT 11732.56 IF PAID IN 30 DAYS

13230.33

CHARGE TO: Falcon Exploration, Inc
 STREET _____
 CITY _____ STATE _____ ZIP _____

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

PRINTED NAME Alan Lott

SIGNATURE Alan Lott