Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1238904

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 # 7030
Name: John Roy Evans Oil Company LLC
Address 1: 405 FOURTH ST
Address 2: BOX 385
City: CLAFLIN State: KS Zip: 67525 + 0385
Contact Person: Gary Kirmer
Phone: (620) 587-3565
CONTRACTOR: License # 33905
Name: Royal Drilling Inc
Wellsite Geologist: Wyatt Urban
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 #:

12/22/2014 Spud Date or Recompletion Date
1/8/2015 Date Reached TD
01/26/2015 Completion Date or Recompletion Date

API No. 15 - 15-009-26072-00-00
Spot Description:
SE - NW - NW - NE Sec. 6 Twp. 17 S. R. 11 ☐ East ☑ West
400 Feet from ☑ North / ☐ South Line of Section
2200 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Barton
Lease Name: Demel Well #: 4
Field Name: Kraft-Prusa
Producing Formation: ARBUCKLE
Elevation: Ground: 1871 Kelly Bushing: 1878
Total Vertical Depth: 3595 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 746 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: 64000 ppm Fluid volume: 1000 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: BRACKEEN LINE CLEANING
Lease Name: Praeger License #: 9952
Quarter NE Sec. 27 Twp. 17 S. R. 11 ☐ East ☑ West
County: Barton Permit #: D20704.0

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:** NAOMI JAMES **Date:** 06/08/2015

1238904

Operator Name: John Roy Evans Oil Company LLC Lease Name: Demel Well #: 4

Sec. 6 Twp. 17 S. R. 11 ☐ East ☑ West County: Barton

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

Cased Hole: gamma ray/neutron
Sonic Cement Bond

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

Name: Attached Top: Attached Datum: Attached

CASING RECORD ☑ New ☐ Used
Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12.25	8.625	23	746	80/20	275	3% CC, 2% Gel.
Production	7.875	5.5	17	3413	Common	250	10% Salt, 5% Gil.

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	-			
	-			

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 *(Amount and Kind of Material Used)*	Depth
		2500 gals. 15% mud acid	3413-3595
		2000 gals 28% FE	3413-3595

TUBING RECORD: Size: 2.875 Set At: 3381 Packer At: 3381 Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 04/07/2015

Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☑ Other *(Explain)* Gravity Disposal

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☑ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* _____

PRODUCTION INTERVAL:
3413-3595

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	John Roy Evans Oil Company LLC
Well Name	Demel 4
Doc ID	1238904

Tops

Name	Top	Datum
Anhydrite	735	+1143
Heebner	2951	-1073
Brown Lime	3050	-1172
Lansing	3064	-1186
Base KC	3306	-1428
Conglomerate	3318	-1440
Arbuckle	3342	-1464
Quartzite	3518	-1640

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 **Home Office P.O. Box 32 Russell, KS 67665** **No. 1069**

Cell 785-324-1041

12-23-2014

Date	Sec.	Twp.	Range	County	State	On Location	Finish
12-22-14	6	17	11	BARTON	KANSAS		12:1[illegible]

Location HITCHMAN KS. WEST EDGE 1S ½E ¼S

Lease DREMEL Well No. 4

Contractor Royal DRLG Rig #2

Type Job LONG SURFACE

Hole Size 12¼ T.D. 746

Csg. 8 5/8 New Depth 746

Tbg. Size 23 # csg. Depth

Tool Depth

Cement Left in Csg. 25' Shoe Joint 25'

Meas Line Displace 45.90 BBL

EQUIPMENT

Pumptrk 17	No.	Cementer	GLENN G
		Helper	CODY B.
Bulktrk 4	No.	Driver	TYLER O.
		Driver	
Bulktrk	No.	Driver	
		Driver	

JOB SERVICES & REMARKS

Remarks:

Rat Hole

Mouse Hole

Centralizers

Baskets

D/V or Port Collar

Set @ 746'

Rec Toed CIRC.

Cement w/ 275 sx 80/20 2+3 %

Release Rubber Plug

Displace 45.90 BBL H2O

LAND Plug @ 500#

Cement DID CIRCULATE

TO Surface

THANKS

X Signature Gary K

Owner

To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To JOHN ROY EVANS OIL CO. LLC.

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 275 80/20 3% cc 2% Gel

Common	
Poz. Mix	
Gel.	
Calcium	
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	
CFL-117 or CD110 CAF 38	
Sand	
Handling	
Mileage	
FLOAT EQUIPMENT	
Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	
Pumptrk Charge	
Mileage	
Tax	
Discount	
Total Charge	

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 **Home Office P.O. Box 32 Russell, KS 67665** **No. 1373**

Cell 785-324-1041

Date	Sec.	Twp.	Range	County	State	On Location	Finish
1-8-15	6	17	11	Barton	KS		1:30AM

Location Hitchman, ½ w, 1S, E n 2

Lease Demel Well No. 4

Contractor Royal #2

Type Job long string

Hole Size 7⅞ T.D. 3595

Csg. 5½ 17# Depth 3422

Tbg. Size Depth

Tool Depth

Cement Left in Csg. Shoe Joint 16.77

Meas Line Displace 79 bbl

EQUIPMENT

Pumptrk 17 No. Cementer Helper Lonnie W.

Bulktrk 14 No. Driver Driver Ryan

Bulktrk P4 No. Driver Driver Travis

JOB SERVICES & REMARKS

Remarks:

Rat Hole 30 sx

Mouse Hole 15 sx

Centralizers 1, 2, 4, 6, 8

Baskets 2, 3, 5

D/V or Port Collar

Pipe on bottom broke circulation. Dropped ball and set triplex Shoe. ~~Pumped Rat hole with 30 sx~~ Pumped 500 gal Mud CLR 48 with 106 bbl fw behind it. Pluged Rat hole with 30 sx and Mouse hole with 15 sx. Hooked to 5½ and Mixed 205 sx Shut down. Washed pump and lines Released Plug and displaced with 79 bbl fw. Plug landed and held.

Lift pressure 800 psi

Plug landed at 1600 psi

X Signature Tom Blake

Owner

To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Charge To John Roy Evans

Street

City State

The above was done to satisfaction and supervision of owner agent or contractor.

Cement Amount Ordered 250 sx, 10% salt, 5% Gilsonite

Common	
Poz. Mix	
Gel.	
Calcium	
Hulls	
Salt	
Flowseal	
Kol-Seal	
Mud CLR 48	500 gal
CFL-117 or CD110 CAF 38	
Sand	
Handling	
Mileage	

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	5 turbo's
Baskets	3
AFU Inserts	
Float Shoe	
Latch Down	
	1 Triplex Shoe
Pumptrk Charge	
Mileage	
Tax	
Discount	
Total Charge	

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

DRILL-STEM TEST TICKET
FILE: demel4dst1

TIME ON: 18:30 1-5
TIME OFF: 00:32 1-6

Company John Roy Evans Oil Co. Lease & Well No. Demel #4
Contractor Royal Drilling Rig 2 Charge to John Roy Evans Oil Co.
Elevation 1878 KB Formation H-J Effective Pay Ft. Ticket No. S0528
Date 1-5-15 Sec. 6 Twp. 17 S Range 11 W County Barton State KANSAS
Test Approved By Wyatt Urban Diamond Representative Jacob McCallie

Formation Test No. 1 Interval Tested from 3218 ft. to 3299 ft. Total Depth 3299 ft.
Packer Depth 3213 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.
Packer Depth 3218 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.
Depth of Selective Zone Set

Top Recorder Depth (Inside) 3203 ft. Recorder Number 5515 Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3285 ft. Recorder Number 5586 Cap. 5,000 P.S.I.
Below Straddle Recorder Depth ft. Recorder Number Cap. P.S.I.

Mud Type Chem Viscosity 52 Drill Collar Length 0 ft. I.D. 2 1/4 in.
Weight 8.9 Water Loss 7.6 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in
Chlorides 5,000 P.P.M. Drill Pipe Length 3185 ft. I.D. 3 1/2 in
Jars: Make STERLING Serial Number 4 Test Tool Length 33 ft. Tool Size 3 1/2-IF in
Did Well Flow? NO Reversed Out NO Anchor Length 81 (16.5A) 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: 1/4" Blow- Built to 1" in 30 min NOBB
2nd Open: WSB- Built to 1/4" in 30 min NOBB

Recovered 8 ft. of Mud 100% M
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of
Recovered ft. of

Remarks:
Diesel in bucket
Tool Sample: <1 % O >99% M

Price Job	
Other Charges	
Insurance	
Total	

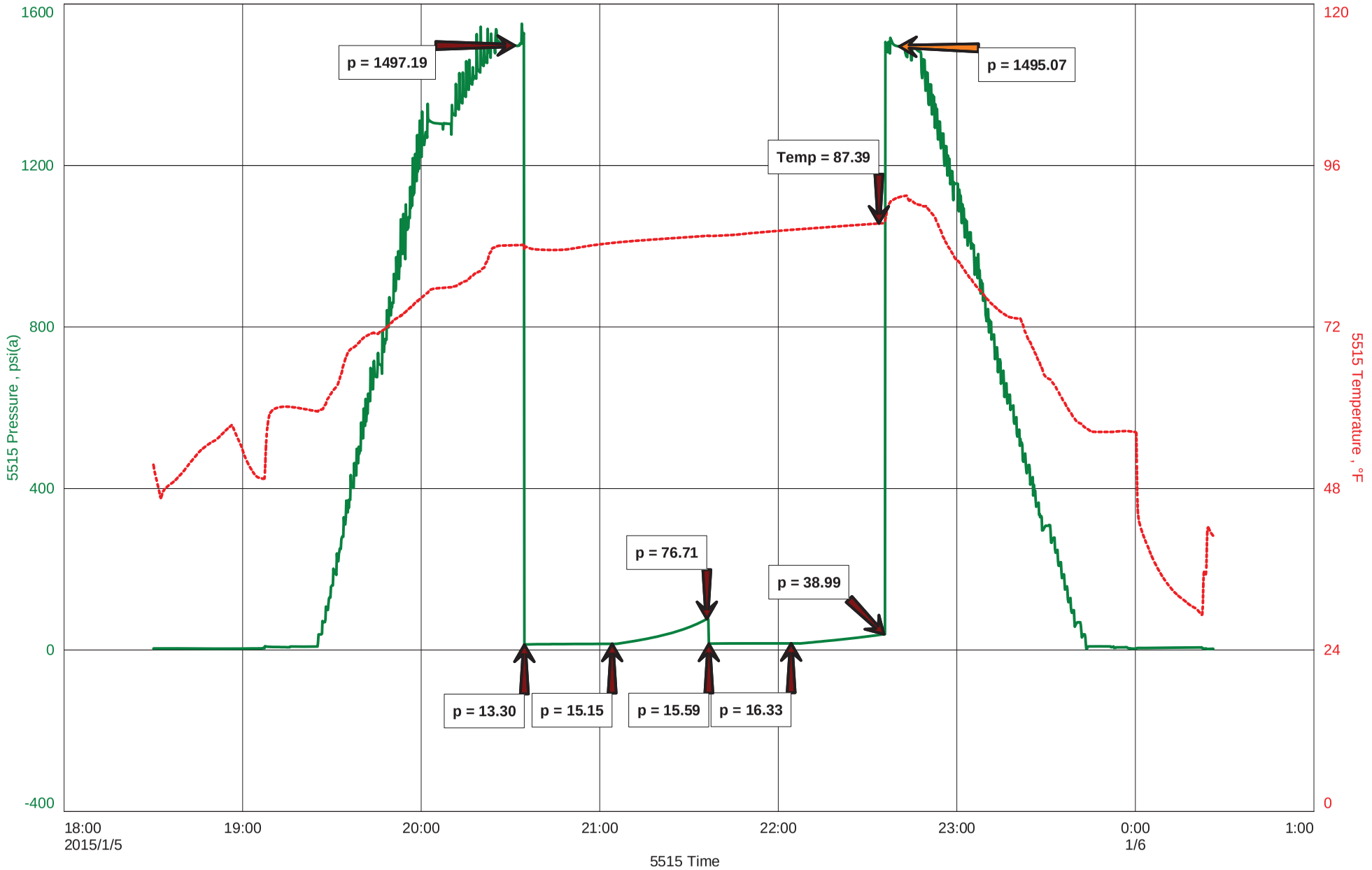
Time Set Packer(s) 8:40 PM A.M. P.M. Time Started Off Bottom 10:40 PM A.M. P.M. Maximum Temperature 87

Initial Hydrostatic Pressure..... (A) 1497 P.S.I.
Initial Flow Period..... Minutes 30 (B) 13 P.S.I. to (C) 15 P.S.I.
Initial Closed In Period..... Minutes 30 (D) 77 P.S.I.
Final Flow Period..... Minutes 30 (E) 16 P.S.I. to (F) 16 P.S.I.
Final Closed In Period..... Minutes 30 (G) 39 P.S.I.
Final Hydrostatic Pressure..... (H) 1495 P.S.I.

John Roy Evans Oil Co.
DST #1 H-J 3218-3299'
Start Test Date: 2015/01/05
Final Test Date: 2015/01/06

Demel #4
Formation: DST #1 H-J 3218-3299'
Pool: Infield
Job Number: S0528

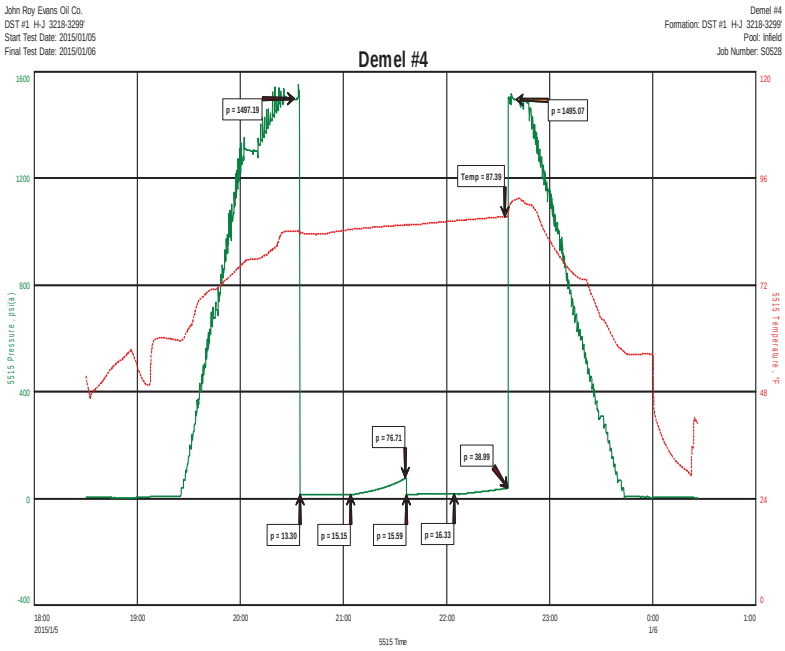
Demel #4



JACOB MCCALLIE
620-617-7116
mccallie.dtllc@gmail.com

General Information

Company Name	**John Roy Evans Oil Co.**
Contact	Gary Kirmer
Well Name	Demel #4
Unique Well ID	DST #1 H-J 3218-3299'
Surface Location	SEC 6-17S-11W Barton County
Field	Kraft-Prusa
Well Operator	John Roy Evans Oil Co.
Test Type	Drill Stem Test
Well Type	Vertical
Formation	DST #1 H-J 3218-3299'
Well Fluid Type	01 Oil
Test Purpose (AEUB)	Initial Test
Start Test Date	2015/01/05
Start Test Time	18:30:00
Final Test Date	2015/01/06
Final Test Time	00:32:00
Job Number	S0528
Representative	Jacob McCallie
Prepared By	Jacob McCallie
Report Date	2015/01/05



FLUID RECOVERY

8' **MUD** **100% M**

TOOL SAMPLE: <1 % O >99% M

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

DRILL-STEM TEST TICKET
FILE: demel4dst2

TIME ON: 11:13
TIME OFF: 16:45

Company John Roy Evans Oil Co. | Lease & Well No. Demel #4
Contractor Royal Drilling Rig 2 | Charge to John Roy Evans Oil Co.
Elevation 1878 KB | Formation Arb | Effective Pay _____ Ft. | Ticket No. S0529
Date 1-6-15 | Sec. 6 | Twp. 17 S | Range 11 W | County Barton | State KANSAS
Test Approved By Wyatt Urban | Diamond Representative Jacob McCallie

Formation Test No. 2 | Interval Tested from 3301 ft. to 3355 ft. | Total Depth 3355 ft.
Packer Depth 3296 ft. | Size 6 3/4 in. | Packer depth -- ft. | Size 6 3/4 in.
Packer Depth 3301 ft. | Size 6 3/4 in. | Packer depth -- ft. | Size 6 3/4 in.
Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3286 ft. | Recorder Number 5515 | Cap. 5,000 P.S.I.
Bottom Recorder Depth (Outside) 3339 ft. | Recorder Number 5586 | Cap. 5,000 P.S.I.
Below Straddle Recorder Depth _____ ft. | Recorder Number _____ | Cap. _____ P.S.I.

Mud Type Chem | Viscosity 49 | Drill Collar Length 0 ft. | I.D. 2 1/4 in.
Weight 9.0 | Water Loss 8.4 cc. | Weight Pipe Length 0 ft. | I.D. 2 7/8 in
Chlorides 5,500 P.P.M. | Drill Pipe Length 3272 ft. | I.D. 3 1/2 in
Jars: Make STERLING | Serial Number N/A | Test Tool Length 29 ft. | Tool Size 3 1/2-IF in
Did Well Flow? NO | Reversed Out NO | Anchor Length 54 (21.5A) 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: 1/2" Blow- Built to 2 1/4" in 30 min WSBB
2nd Open: WSB- Built to 1" in 30 min WSBB

Recovered 20 ft. of OSM 3% O 97% M
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks:
Diesel in bucket
Tool Sample: 1% O 99% M

Price Job	
Other Charges	
Insurance	
Total	

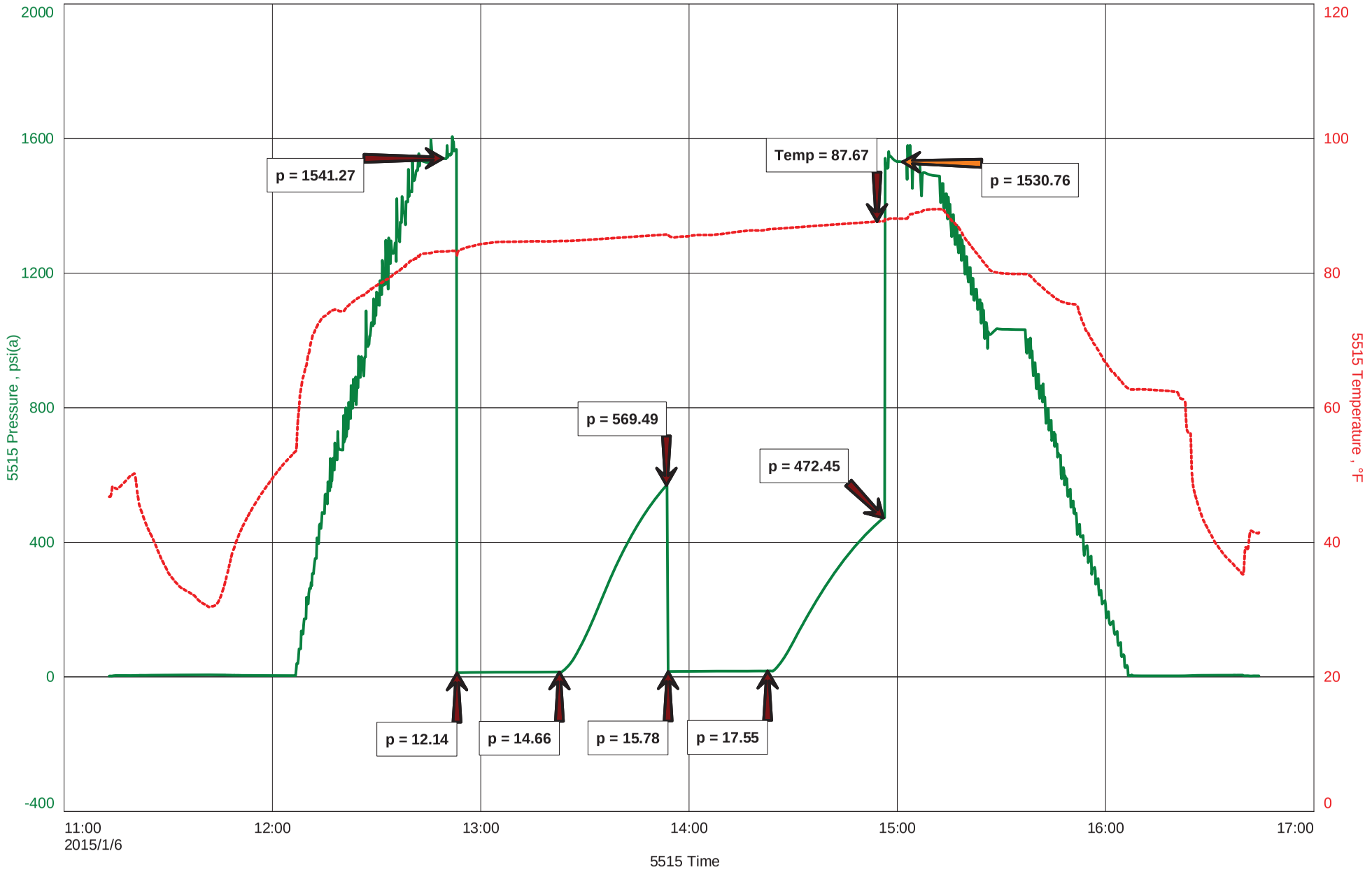
Time Set Packer(s) 12:53 PM A.M. P.M. | Time Started Off Bottom 2:53 PM A.M. P.M. | Maximum Temperature 88

Initial Hydrostatic Pressure ..... (A) 1541 P.S.I.
Initial Flow Period ..... Minutes 30 (B) 12 P.S.I. to (C) 15 P.S.I.
Initial Closed In Period ..... Minutes 30 (D) 569 P.S.I.
Final Flow Period ..... Minutes 30 (E) 16 P.S.I. to (F) 18 P.S.I.
Final Closed In Period ..... Minutes 30 (G) 472 P.S.I.
Final Hydrostatic Pressure ..... (H) 1531 P.S.I.

John Roy Evans Oil Co.
DST #2 Arb 3301-3355'
Start Test Date: 2015/01/06
Final Test Date: 2015/01/06

Demel #4
Formation: DST #2 Arb 3301-3355'
Pool: Infield
Job Number: S0529

Demel #4

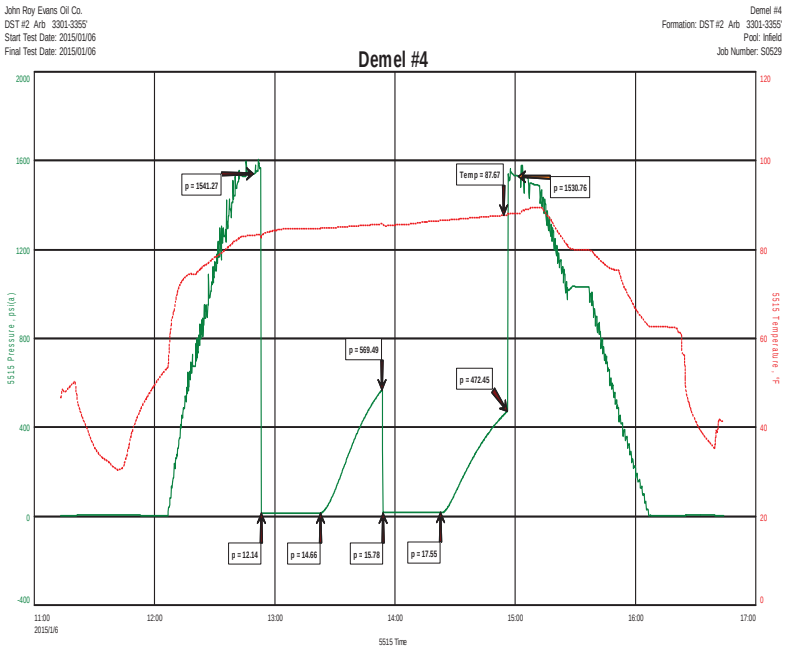


JACOB MCCALLIE
620-617-7116
mccallie.dtllc@gmail.com

General Information

Company Name John Roy Evans Oil Co.

Contact	Gary Kirmer
Well Name	Demel #4
Unique Well ID	DST #2 Arb 3301-3355'
Surface Location	SEC 6-17S-11W Barton County
Field	Kraft-Prusa
Well Operator	John Roy Evans Oil Co.
Test Type	Drill Stem Test
Well Type	Vertical
Formation	DST #2 Arb 3301-3355'
Well Fluid Type	01 Oil
Test Purpose (AEUB)	Initial Test
Start Test Date	2015/01/06
Start Test Time	11:13:00
Final Test Date	2015/01/06
Final Test Time	16:45:00
Job Number	S0529
Representative	Jacob McCallie
Prepared By	Jacob McCallie
Report Date	2015/01/06



FLUID RECOVERY

20' **OSM** **3% O 97% M**

TOOL SAMPLE:
1% O 99% M

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

DRILL-STEM TEST TICKET

FILE: demel4dst3

TIME ON: 1-6 21:29

TIME OFF: 1-7 03:41

Company John Roy Evans Oil Co. Lease & Well No. Demel #4

Contractor Royal Drilling Rig 2 Charge to John Roy Evans Oil Co.

Elevation 1878 KB Formation Arb Effective Pay Ft. Ticket No. S0530

Date 1-6-15 Sec. 6 Twp. 17 S Range 11 W County Barton State KANSAS

Test Approved By Wyatt Urban Diamond Representative Jacob McCallie

Formation Test No. 3 Interval Tested from 3301 ft. to 3365 ft. Total Depth 3365 ft.

Packer Depth 3296 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Packer Depth 3301 ft. Size 6 3/4 in. Packer depth -- ft. Size 6 3/4 in.

Depth of Selective Zone Set

Top Recorder Depth (Inside) 3286 ft. Recorder Number 5515 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 3339 ft. Recorder Number 5586 Cap. 5,000 P.S.I.

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

Mud Type Chem Viscosity 49 Drill Collar Length 0 ft. I.D. 2 1/4 in.

Weight 9.0 Water Loss 8.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 5,500 P.P.M. Drill Pipe Length 3272 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number N/A Test Tool Length 29 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 64 (31.5A) 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: 1" Blow- Built to 8 3/4" in 30 min WSBB

2nd Open: 1/2" Blow- Built to 5" in 30 min NOBB

Recovered 98 ft. of Mud 100% M (few oil specks)

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Diesel in bucket

Tool Sample: 100% M (few oil specks)

Price Job	
Other Charges	
Insurance	
Total	

Time Set Packer(s) 11:08 PM 1-6 A.M. P.M. Time Started Off Bottom 1:38 AM 1-7 A.M. P.M. Maximum Temperature 88

Initial Hydrostatic Pressure..... (A) 1537 P.S.I.

Initial Flow Period..... Minutes 30 (B) 17 P.S.I. to (C) 39 P.S.I.

Initial Closed In Period..... Minutes 45 (D) 662 P.S.I.

Final Flow Period..... Minutes 30 (E) 42 P.S.I. to (F) 57 P.S.I.

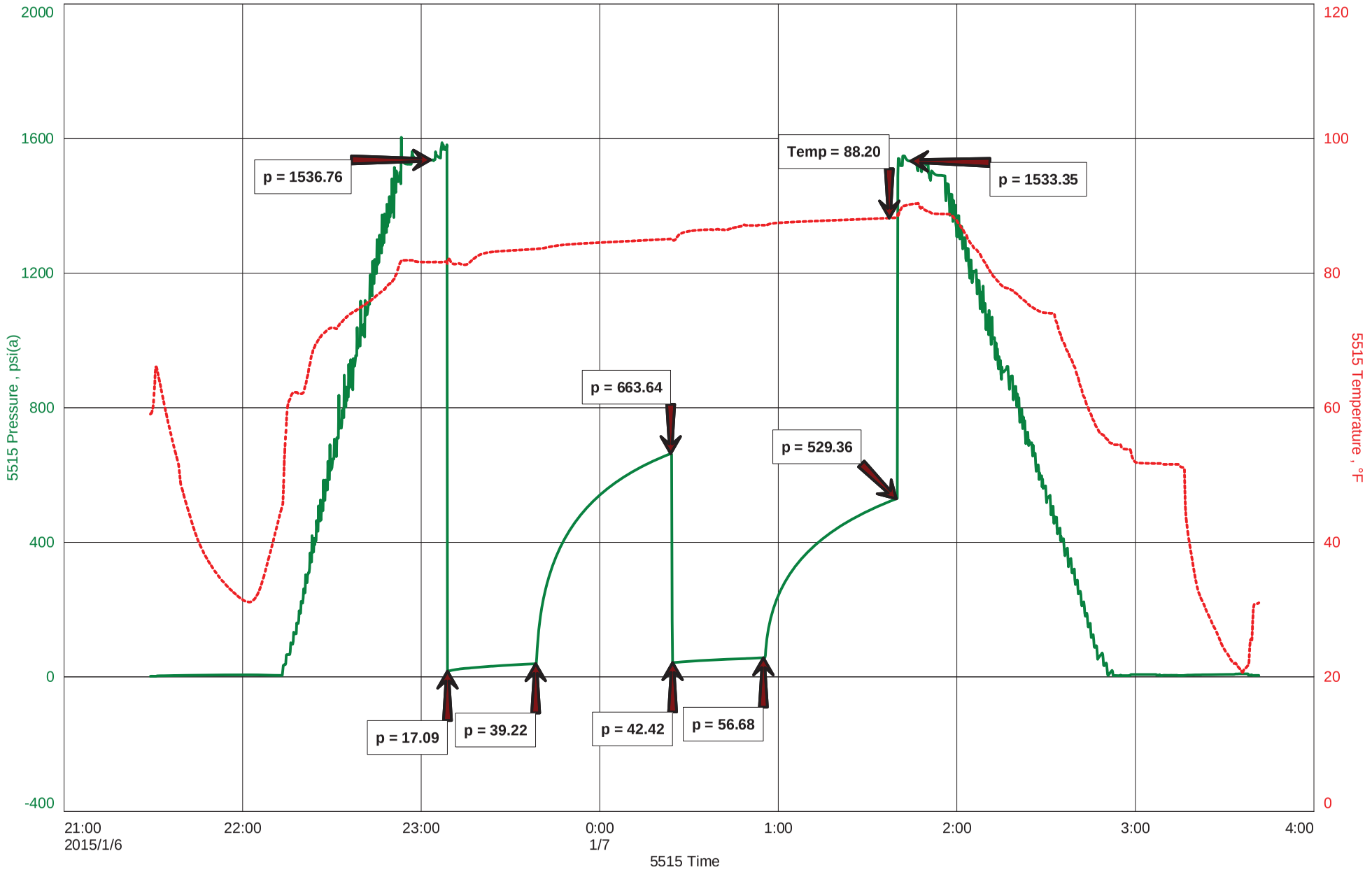
Final Closed In Period..... Minutes 45 (G) 529 P.S.I.

Final Hydrostatic Pressure..... (H) 1533 P.S.I.

John Roy Evans Oil Co.
DST #3 Arb 3301-3365'
Start Test Date: 2015/01/06
Final Test Date: 2015/01/07

Demel #4
Formation: DST #3 Arb 3301-3365'
Pool: Infield
Job Number: S0530

Demel #4

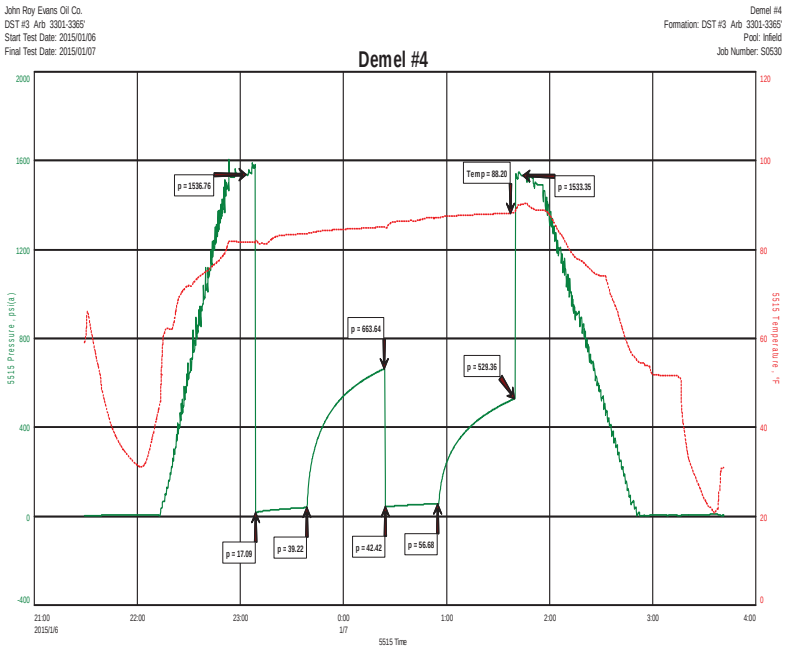


Hoisington, Kansas

JACOB MCCALLIE
620-617-7116
mccallie.dtllc@gmail.com

General Information

Company Name	**John Roy Evans Oil Co.**
Contact	**Gary Kirmer**
Well Name	**Demel #4**
Unique Well ID	**DST #3 Arb 3301-3365'**
Surface Location	**SEC 6-17S-11W Barton County**
Field	**Kraft-Prusa**
Well Operator	**John Roy Evans Oil Co.**
Test Type	**Drill Stem Test**
Well Type	**Vertical**
Formation	**DST #3 Arb 3301-3365'**
Well Fluid Type	**01 Oil**
Test Purpose (AEUB)	**Initial Test**
Start Test Date	**2015/01/06**
Start Test Time	**21:29:00**
Final Test Date	**2015/01/07**
Final Test Time	**03:41:00**
Job Number	**S0530**
Representative	**Jacob McCallie**
Prepared By	**Jacob McCallie**
Report Date	**2015/01/06**



FLUID RECOVERY

98'	**Mud**	**100% M (few oil specks)**

TOOL SAMPLE:
100% M (few oil specks)

Image Header 01

NOTES

Company:John Roy Evans Oil Co. LLC

Lease: Demel #4

Field:Kraft-Prusa

Location:SE-NW-NW-NE (400' FNL & 2200' FEL)

Sec:6 Twsp:17S Rge:11W

County:Barton State:Kansas

KB:1871' GL:1878'

API #:15-00926072-00-00

Contractor:Royal Drilling, Inc. (Rig #2)

Spud:12/22/2014 Comp:1/7/2015

RTD:3395'

Mud Up: 2700' Type Mud: Chemical

Samples Saved From: 2800' to RTD
Drilling Time Kept From:2800' to RTD
Samples Examined From: 2800' to RTD
Geological Supervision from:2800' to RTD
Geologist on Well: Wyatt Urban

Surface Casing: 8 5/8@ 746'

Electronic Surveys: None

Image Header 02

John Roy Evans Oil Co.

	DRILLING WELL				COMPARISON WELL				COMPARISON WELL			
	John Roy Evans- Demel #4				John Roy Evans- Demel #3				John Roy Evans- #3 Zorn B			
	SE-NW-NW-NE 6-17S-11W				NW-SE-NW-NE 6-17S-11W				SW-NE-NE-NW 6-17S-11W			
	1878 KB				1883 KB		Structural Relationship		1879 KB		Structural Relationship	
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Heebner	2951	-1073			2959	-1076	-3	1076	2945	-1066	-7	1066
Toronto	2963	-1085			2974	-1091	-6	1091	2961	-1082	-3	1082
Douglas	2977	-1099			2986	-1103	4	1103	2972	-1093	-6	1093
Brown Lime	3050	-1172			3058	-1175	3	1175	3043	-1164	-8	1164
Lansing	3064	-1186			3074	-1191	5	1191	3058	-1179	-7	1179
BKC	3306	-1428			3321	-1438	10	1438	3306	-1427	-1	1427
Conglomerate	3318	-1440			3329	-1446	6	1446				
Arbuckle	3342	-1464			3360	-1477	13	1477	3321	-1442	-22	1442
Quartzite	3518	-1640										
RTD	3395	-1517			3400	-1517	0	1517	3337	-1458	-59	1458
LTD									3332	-1453	1453	1453

ROCK TYPES

Chtcongl | Lmst fw<7 | shale, gry | shale, red | Meta
Dolprim | shale, grn | Carbon Sh | Ss

ACCESSORIES

FOSSIL
Oomoldic

OTHER SYMBOLS

Oil Show
- Good Show
- Fair Show
- Poor Show
- Spotted or Trace
- Questionable Stn
- Dead Oil Stn
- Fluorescence
- Gas

DST
- DST Int
- DST alt
- Core
- tail pipe

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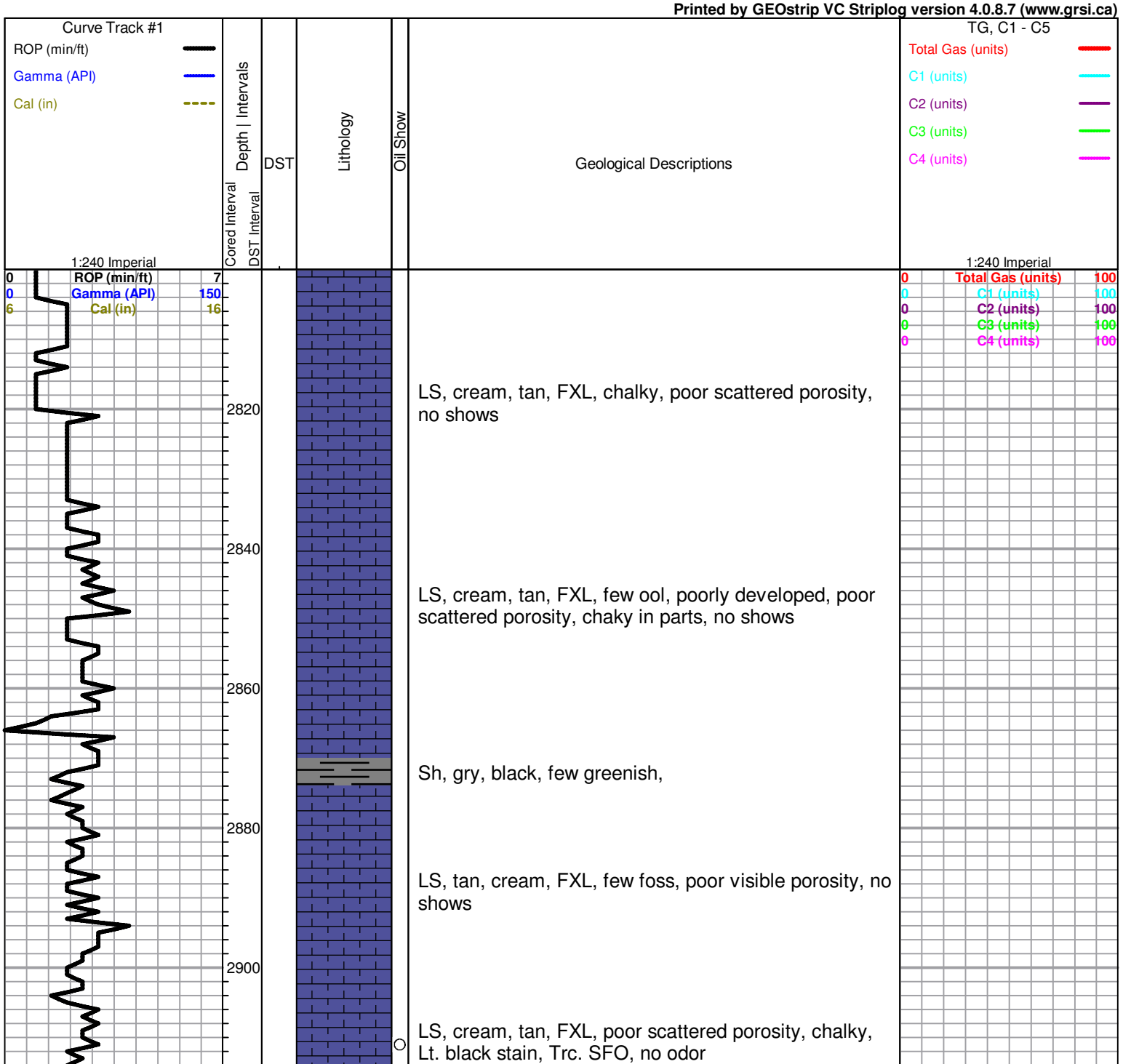
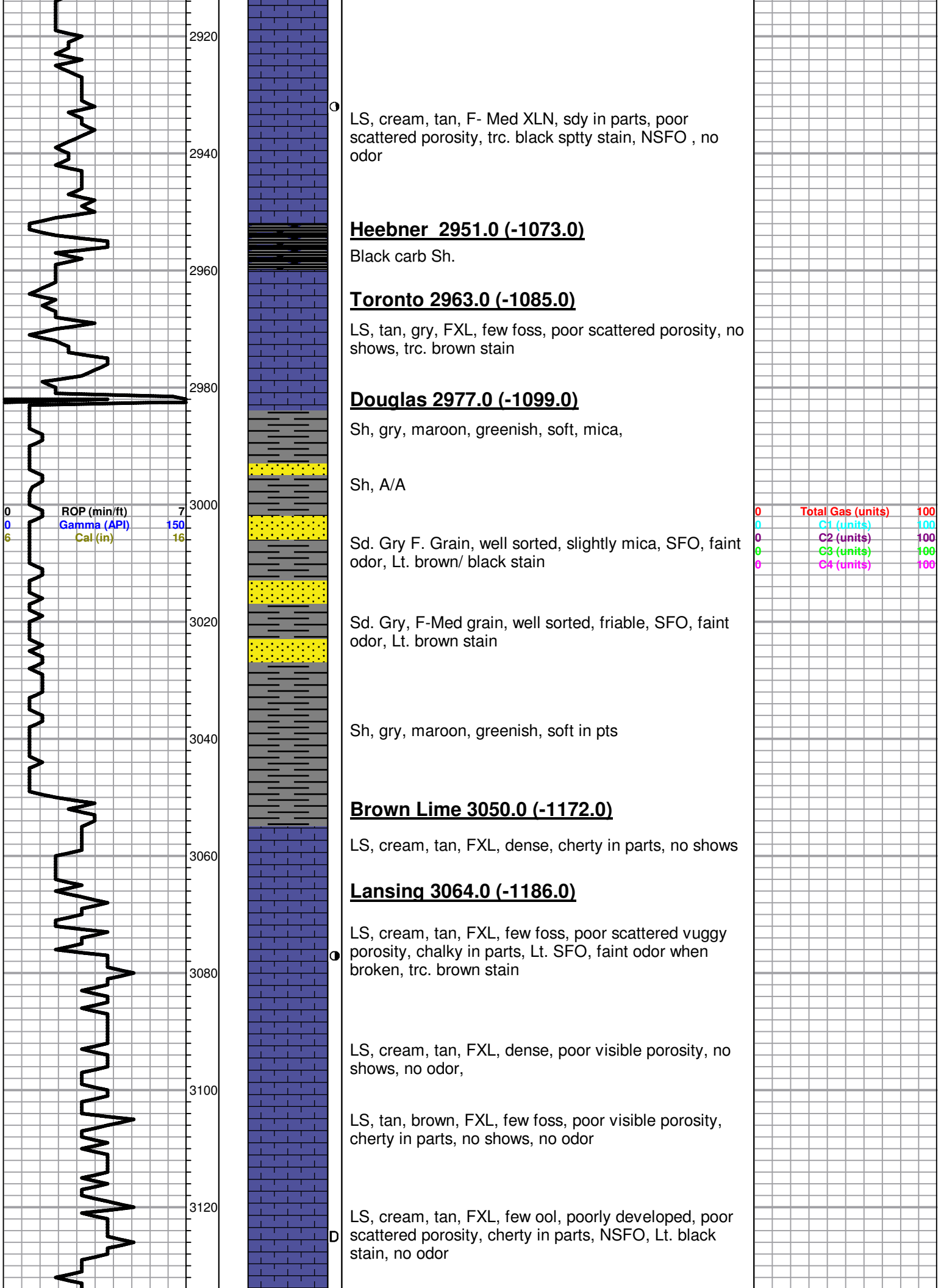




LS, cream, tan, F- Med XLN, sdy in parts, poor scattered porosity, trc. black sptty stain, NSFO , no odor

Heebner 2951.0 (-1073.0)

Black carb Sh.

Toronto 2963.0 (-1085.0)

LS, tan, gry, FXL, few foss, poor scattered porosity, no shows, trc. brown stain

Douglas 2977.0 (-1099.0)

Sh, gry, maroon, greenish, soft, mica,

Sh, A/A

Sd. Gry F. Grain, well sorted, slightly mica, SFO, faint odor, Lt. brown/ black stain

Sd. Gry, F-Med grain, well sorted, friable, SFO, faint odor, Lt. brown stain

Sh, gry, maroon, greenish, soft in pts

Brown Lime 3050.0 (-1172.0)

LS, cream, tan, FXL, dense, cherty in parts, no shows

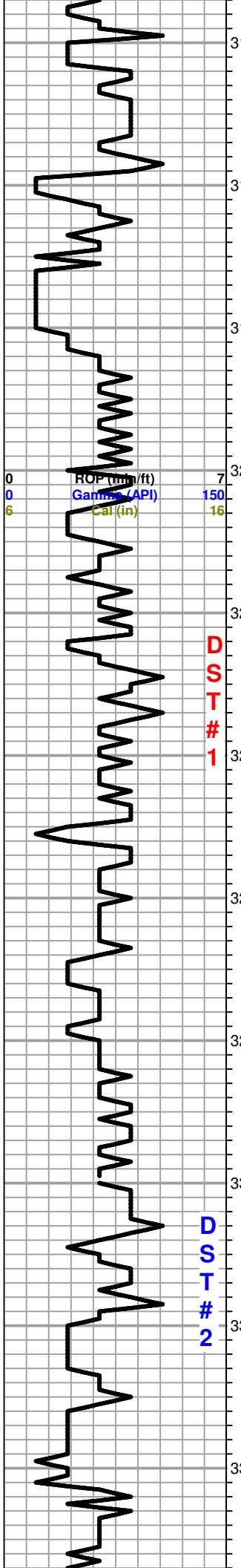
Lansing 3064.0 (-1186.0)

LS, cream, tan, FXL, few foss, poor scattered vuggy porosity, chalky in parts, Lt. SFO, faint odor when broken, trc. brown stain

LS, cream, tan, FXL, dense, poor visible porosity, no shows, no odor,

LS, tan, brown, FXL, few foss, poor visible porosity, cherty in parts, no shows, no odor

LS, cream, tan, FXL, few ool, poorly developed, poor scattered porosity, cherty in parts, NSFO, Lt. black stain, no odor



3140

LS, gry, tan, FXL, dense, poor visible porosity, few foss, cherty in parts, no shows, no odor

3160

LS, gry, tan, FXL, few foss, poor scattered porosity, dense in pts, no shows, no odor

D

LS, tan, FXL, OOM, fair vuggy oom porosity, NSFO, no odor, trc. black stain on few

3180

LS, cream, tan, FXL, few foss, poor scattered porosity, no shows, no odor

3200

LS, tan, gry, FXL, dense, few ool, poorly developed, poor scattered porosity, no shows, no odor
Trc. Sh, black, gray

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

DST#1 3218-3299
30-30-30-30

Blow: Weak

Recovery:
8' Mud

Pressures:
ISIP 77 psi
FSIP 39 psi
IFP 13-15 psi
FFP 16-16 psi
HSH 1497-1495 psi

3220

DST#1

LS, cream, white, FXL, poor visible porosity, cherty, no shows, no odor

3240

LS, tan, OOL, poor to fair scattered oom vuggy porosity, chalky, SFO, strong odor

3260

LS, cream, tan, FXL, dense, poor visible porosity, chalky in parts, few scattered vuggy porosity, Lt. SFO, fair odor, Lt. black stain

Sh, gray, greenish, maroon,

3280

LS, cream, tan, FXL, dense, poor visible porosity, cherty in parts, NSFO, odor???

3300

LS, tan, gry, FXL, dense, poor visible porosity, no shows, no odor

DST#2 3301-3355
30-30-30-30

Blow: Weak

Recovery:
20' OSM
(3%O, 97%M)

Pressures:
ISIP 569 psi
FSIP 472 psi
IFP 12-15 psi
FFP 16-18 psi
HSH 1541-1531 psi

DST#2

BKC 3306.0 (-1428.0)

Sh, gry, greenish, maroon, black carb,

3320

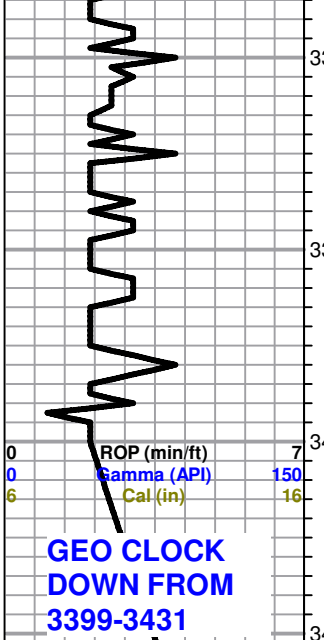
Sd. white, gry,V.F. grain, well sorted, no shows, trc. white chalk, soft no shows

Few cherts,tan, cream, ool, V.C. Sh.

3340

Arbuckle 3342.0 (-1464.0)

Dol. white, F- Med rhombic xln, poor to fair INXLN porosity, SFO, faint- fair odor, Lt. black stain, trc. pyrite



3360

Dol. white, Med rhombic xln, fair INXLN porosity, SFO, strong odor, brown, black stain

Dol. white, F-Med rhombic xln, poor to fair INXLN porosity, Trc. SFO, fair odor, brown stain

3380

Dol. white, FXL, poor scattered porosity, poor INXLN porosity, no shows, no odor

Dol. white, FXL, dense, poor visible porosity, no shows, no odor

3400

Dol. white, FXL, dense, poor visible porosity, dense, poor INXLN porosity, no shows, no odor

3420

Dol. A/A

3440

Dol. white, suc. friable, no shows, no odor

Dol. white, tan, FXL, dense, poor scattered porosity, no shows, no odor

3460

Dol. white, tan, FXL, dense, poor visible porosity, no shows, no odor

3480

3500

Dol. white, FXL, few suc. poor visible porosity, no shows, no odor

Quartzite 3518.0 (-1647.0)

3520

Qtz, clear, heavily fractured, biotite, K feldsar,

3540

Qtz clear, heavily fractured, trc. biotite, k- feldspar

3560

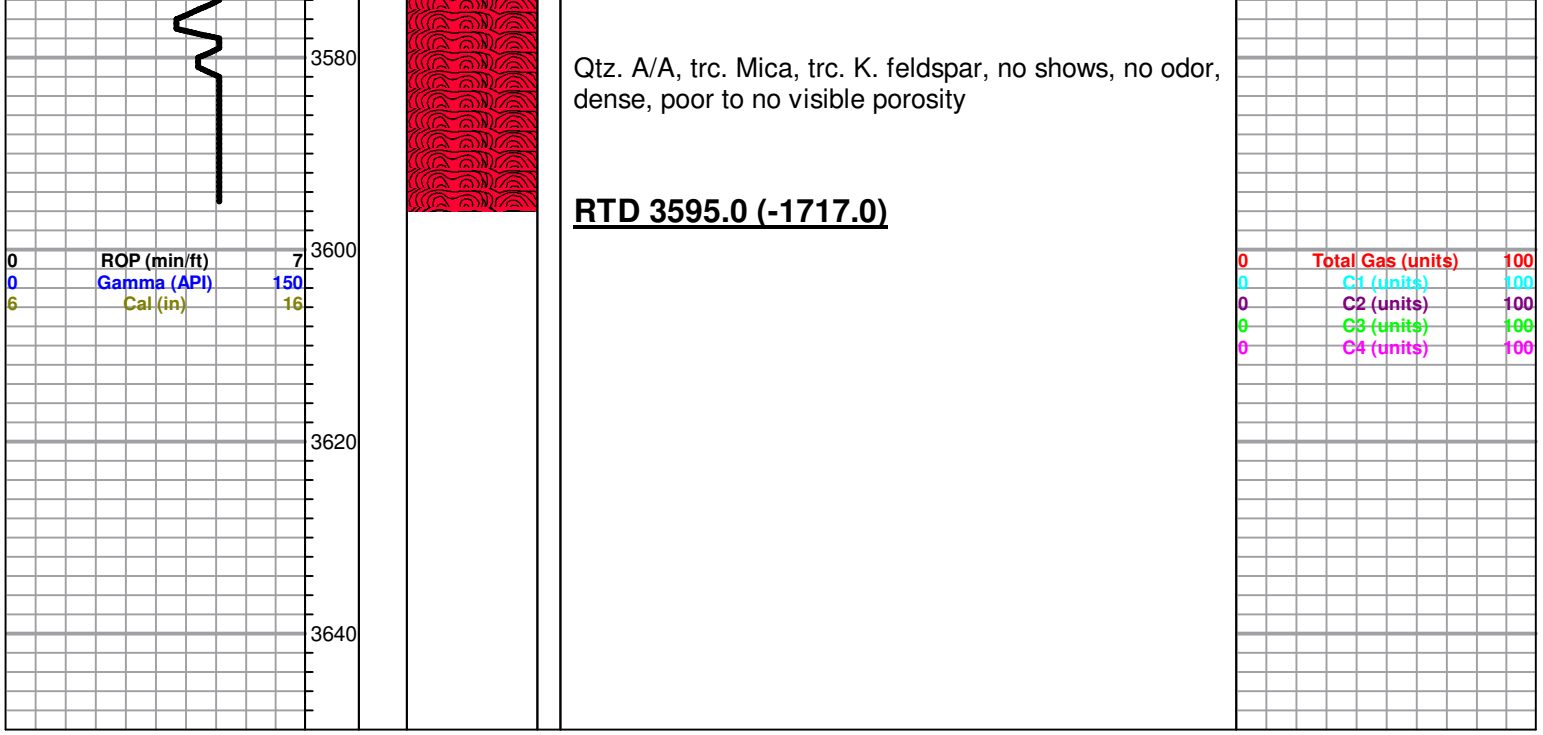
Qtz, clear, heavily fractured, biotite, k-feldspar, micas

DST#3 3301-3365
30-45-30-45

Blow: Fair

Recovery:
98' Mud
(100% Mud)

Pressures:
ISIP 662 psi
FSIP 529 psi
IFP 17-39 psi
FFP 42-57 psi
HSH 1537-1533 psi



Qtz. A/A, trc. Mica, trc. K. feldspar, no shows, no odor, dense, poor to no visible porosity

RTD 3595.0 (-1717.0)

John Roy Evans Oil Company, LLC
P.O. Box 385
Claflin, KS 67525
620-587-3565 Phone
620-587-3522 Fax

Demel #4 DSTs

DST #1 3218 – 3299 (30-30-30-30)
1st open: ¼" blow built to 1" in 30 minutes. No BB
2nd open: WSB built to built to ¼" in 30 min. No BB
Recovered 8' mud.
IFP 13-15 psi
ISIP 77 psi
FFP 16-16 psi
FSIP 39 psi
HSH 1497-1495 psi

DST#2 3301-3355 (30-30-30-30)
1st open: ½" blow built to 2 ¼" in 30 min. WSBB
2nd open: WSB built to 1" in 30 min. WSBB
Recovered 20' osm (3% oil, 97% mud)
IFP 12-15 psi
ISIP 569 psi
FFP 16-18 psi
FSIP 472 psi
HSH 1541-1531 psi

DST#3 3301-3365 (30-45-30-45)
1st open: 1" blow built to 8 ¾" in 30 min. WSBB
2nd open: ½" blow built to 5" in 30 min. No BB
Recovered 98' mud (100% mud w/few oil specks)
IFP 17-39 psi
ISIP 662 psi
FFP 42-57 psi
FSIP 529 psi
HSH 1537-1533 psi