

Confidentiality Requested:

Yes No

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION**

Form ACO-1

January 2018

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

Gas DH EOR

OG GSW

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 EOR Conv. to SWD

Plug Back Liner Conv. to GSW Conv. to Producer

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

EOR Permit #: _____

GSW Permit #: _____

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

API No.: _____

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 Drill Stem Tests Received

Geologist Report / Mud Logs Received

UIC Distribution

ALT I II III Approved by: _____ Date: _____

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 Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
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)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Gulf Exploration, LLC
Well Name	SKOLOUT TRUST 1-15
Doc ID	1348523

All Electric Logs Run

Dual Induction Log
Dual Comp Porosity Log
Microresistivity Log
Compensated Sonic Log
Computer Processed Interpretation Log

Form	ACO1 - Well Completion
Operator	Gulf Exploration, LLC
Well Name	SKOLOUT TRUST 1-15
Doc ID	1348523

Tops

Name	Top	Datum
Howard	3900	-591
Topeka	3959	-650
Oread	4098	-789
Heebner	4136	-827
Lansing	4180	-871
Muncie Creek	4300	-991
Stark Shale	4378	-1069
Base KC	4459	-1150
Marmaton	4474	-1165
Pawnee	4553	-1244
Cherokee	4616	-1307
Mississippian	4764	-1455
Arbuckle	5068	-1759
Regan (equiv)	5323	-2014
Pre-Cambrian	5346	-2037
Total Depth	5410	-2101



Cementing Services
Tax ID 81-1373543

30080
68262 16
26.67

SERVICE POINT:
Oakley, Ky

DATE <u>2/8/17</u>	SEC. <u>15</u>	TWP. <u>7</u>	RANGE <u>35</u>	CALLED OUT	ON LOCATION <u>12:30A</u>	JOB START <u>4:00P</u>	JOB FINISH <u>4:30A</u>
LEASE <u>Shiloh out test</u>	WELL # <u>1-15</u>	LOCATION <u>Levant N to Rd V 1W 1/2 N</u>	THOMAS KY	STATE <u>Ky</u>			
OLD OR NEW (Circle one)				<u>Ernto</u>			

CONTRACTOR <u>Martin 7</u>	OWNER <u>Same</u>
TYPE OF JOB <u>Surface</u>	
HOLE SIZE <u>12 1/4</u>	T.D.
CASING SIZE <u>8 5/8</u>	DEPTH <u>330.0</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH
TOOL	DEPTH
PRES. MAX	MINIMUM
MEAS. LINE	SHOE JOINT <u>40.34</u>
CEMENT LEFT IN CSG. <u>40.34</u>	
PERFS.	
DISPLACEMENT <u>18.47</u>	

CEMENT	AMOUNT ORDERED <u>320 Lbs 3070 CC</u>	
	<u>.125 lb/sk P/A Seal</u>	
COMMON <u>320</u>	@ <u>17.90</u>	<u>5728.00</u>
POZMIX	@	
GEL	@	
CHLORIDE <u>902 lb</u>	@ <u>1.10</u>	<u>992.20</u>
ASC	@	
<u>P/A Seal 40 lb</u>	@ <u>2.92</u>	<u>1168.00</u>
	@	
	@	
	@	
	@	
	@	
	@	

EQUIPMENT	
PUMP TRUCK	CEMENTER <u>Alan Ryan</u>
# <u>66-281</u>	HELPER <u>Kevin Ryan</u>
BULK TRUCK	
# <u>99-28</u>	DRIVER <u>Jade Mitter</u>
BULK TRUCK	
#	DRIVER

TOTAL 6882.44
DISCOUNT 48% 3282.94

REMARKS:

Drill Hole, Run Casing, Circulate, Mix Cement, Displacement
Shot in
Cement did circulate 15 bbl to pit
Thank you Alan, Kevin, Jade

SERVICE		
HANDLING <u>341</u>	@ <u>2.48</u>	<u>845.68</u>
MILEAGE <u>466</u>	@ <u>2.75</u>	<u>1281.50</u>
DEPTH OF JOB		<u>330.00</u>
PUMP TRUCK CHARGE		<u>1512.20</u>
EXTRA FOOTAGE	@	
HV MILEAGE <u>30 miles</u>	@ <u>7.20</u>	<u>216.00</u>
LV MILEAGE <u>30 miles</u>	@ <u>4.40</u>	<u>132.00</u>
Head Rental	@	<u>275.00</u>
	@	
TOTAL		<u>4277.43</u>
DISCOUNT <u>48%</u>		<u>2053.17</u>

CHARGE TO Gulf Exploration
STREET 9701 N. BROADWAY EXT
CITY Oklahoma City STATE OK ZIP 73114

PLUG & FLOAT EQUIPMENT

AFN Insert	1	@	<u>447.00</u>
Guide Shoe	1	@	<u>460.00</u>
Centralizers	4	@ <u>75.00</u>	<u>300.00</u>
Wooden Plug	1	@	<u>110.00</u>
Walk King	1	@	<u>56.00</u>
TOTAL			<u>1373.00</u>
DISCOUNT <u>48%</u>			<u>659.04</u>

To: BJ 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 Danny Johnston
SIGNATURE Danny Johnston

SALES TAX (If Any) _____
TOTAL CHARGES 12489.81
DISCOUNT 5995.13 (48%) IF PAID IN 30 DAYS
NET TOTAL 6494.73 IF PAID IN 30 DAYS



ALLIED OFS, LLC

Federal Tax I.D. #81-2169190

68280

REMIT TO: Allied OFS, LLC
P.O. Box 205803
Dallas, TX 75320-5803

SERVICE POINT: Oakley

DATE <u>2-19-17</u>	SEC <u>15</u>	TWP. <u>7S</u>	RANGE <u>35W</u>	CALLED OUT	ON LOCATION <u>7:00 am</u>	JOB START <u>12:00 pm</u>	JOB FINISH <u>1:00 pm</u>
SKOL out	LEASE <u>Trust</u>	WELL # <u>1-15</u>	LOCATION <u>Levant 4N 7W 12N</u>		COUNTY <u>Thomas</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>			<u>E into</u>				

CONTRACTOR Murfin 7
 TYPE OF JOB PTA
 HOLE SIZE 7 7/8 T.D. 5401'
 CASING SIZE _____ DEPTH _____
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE 4 1/2 DEPTH 5047'
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. _____
 PERFS. _____
 DISPLACEMENT _____

OWNER Same
 CEMENT AMOUNT ORDERED 305 sks 4940 40% gel
1/4 Flo-seal
 COMMON _____ @ _____
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE _____ @ _____
 ASC _____ @ _____
4940 40% gel 305 sks @ 18.92 5770.60
 @ _____
 @ _____
Flo-seal 76# @ 2.97 225.72
 @ _____
 @ _____
 @ _____

EQUIPMENT

PUMP TRUCK CEMENTER Andrew Forslund
 # 431 HELPER Wayne Mahogany
 BULK TRUCK DRIVER Cocoy Brown
 # 890
 BULK TRUCK DRIVER _____
 # _____

TOTAL 5,996.32

DISCOUNT 48% 2,878.23

REMARKS:

50 sks @ 5047'
500 sks @ 2900'
100 sks @ 2005'
50 sks @ 380'
10 sks @ 40'
15 sks mouse hole
30 sks rat hole
Thank you

SERVICE

HANDLING 328 cu/ft @ 2.48 813.44
 MILEAGE 2.75 ton/miles 14 ton 1155.00
 DEPTH OF JOB 5047'
 PUMP TRUCK CHARGE 3149.78
 EXTRA FOOTAGE _____ @ _____
 HV MILEAGE 30 miles @ 2.70 81.00
 LV MILEAGE 30 miles @ 4.40 132.00
 @ _____
 @ _____

TOTAL 5,481.22

DISCOUNT 48% 2,630.98

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

PLUG & FLOAT EQUIPMENT

85#
1 Dry hole plug @ 110.00
 @ _____
 @ _____
 @ _____
 @ _____

TOTAL 110.00

DISCOUNT 48% 52.80

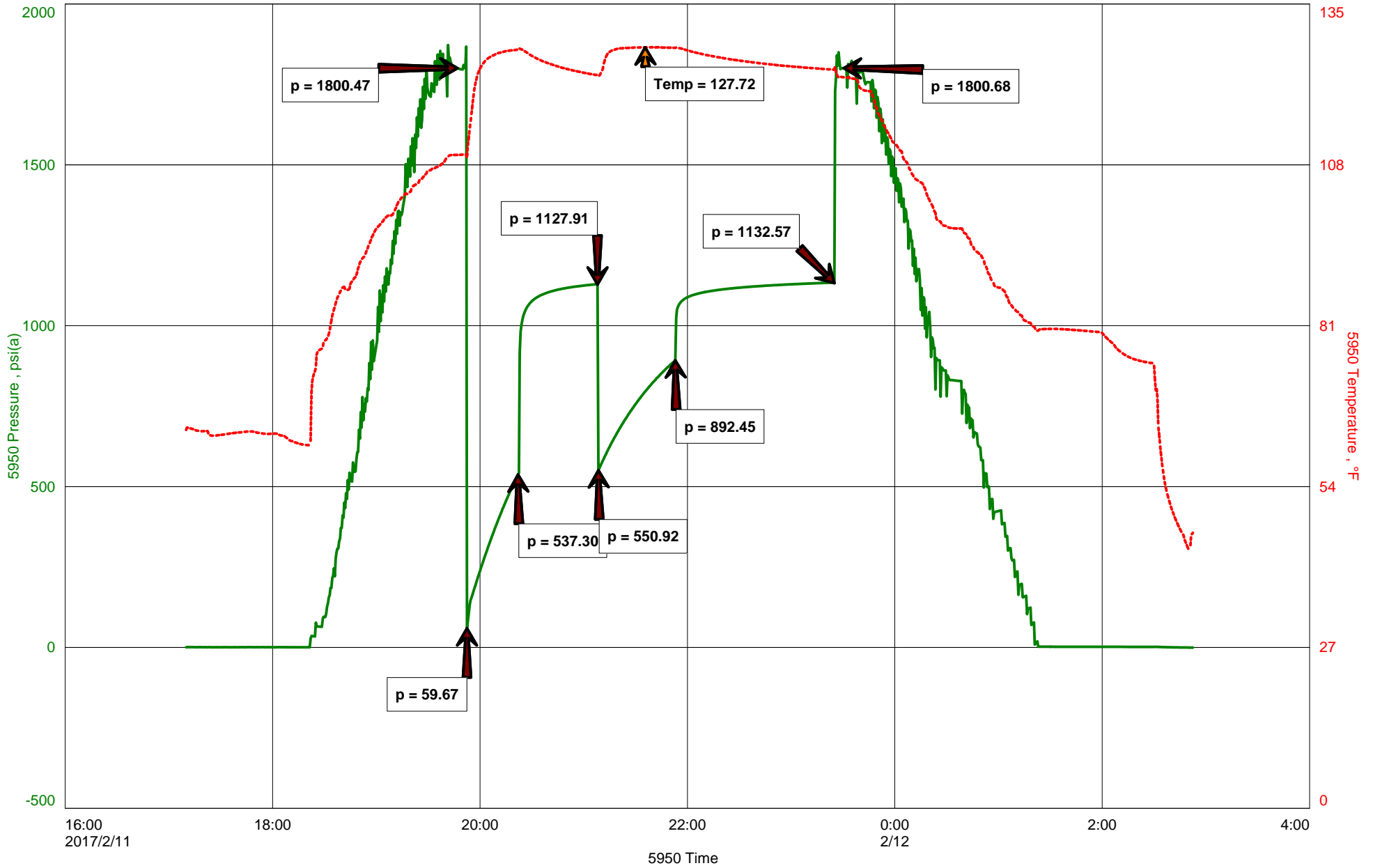
To: Allied OFS, LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND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

PRINTED NAME Danny Johnston

SIGNATURE Danny Johnston

SALES TAX (If Any) _____
 TOTAL CHARGES 11,587.54
 DISCOUNT 5,562.08 (48%) IF PAID IN 30 DAYS
 NET TOTAL 6,025.52 IF PAID IN 30 DAYS

Skolout Trust #1-15





Hoisington, Kansas

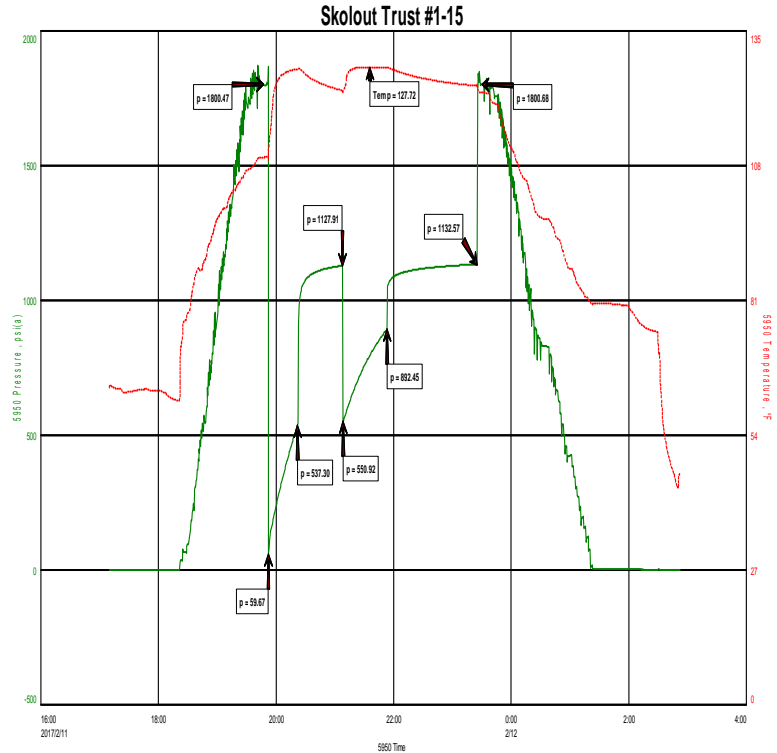
Michael Carroll
620-617-0368
carroll.dtlc@gmail.com

General Information

Company Name Gulf Exploration LLC

Contact Pat McGraw
Well Name Skolout Trust #1-15
Unique Well ID Dst #1 Howard 3866-3947'
Surface Location Sec 15-7s-35w Thomas County
Field Wildcat
Well Type Vertical
Test Type Drill Stem Test
Well Operator Gulf Exploration LLC

Formation Dst #1 Howard 3866-3947'
Well Fluid Type 06 Water
Test Purpose Initial Test
Start Test Date 2017/02/11
Start Test Time 17:10:00
Final Test Time 02:53:00
Job Number P0160
Report Date 2017/02/11
Prepared By Michael Carroll



TEST RECOVERY

Remarks Recovery:	184'	OCMW	4%O	66%W	30%M
	1699'	SLOCMCW	1%O	96%W	3%M

Total Fluid: 1883'

Sampler Recovery: 4000ML Water
 PSI: 50

Chlorides 58000 PPM
 RW .18 @ 55 Degrees
 PH 7



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

TIME ON: 1710 2-11
 TIME OFF: 0253 2-12

DRILL-STEM TEST TICKET
 FILE: SKOLOUTTRUST1-15DST1

Company GULF EXPLORATION LLC Lease & Well No. SCOLOUT TRUST #1-15
 Contractor MURFIN DRLG RIG 7 Charge to GULF EXPLORATION LLC
 Elevation 3309 KB Formation HOWARD Effective Pay _____ Ft. Ticket No. P0160
 Date 2-11-17 Sec. 15 Twp. 7 S Range 35 W County THOMAS State KANSAS
 Test Approved By KEITH REAVIS Diamond Representative Michael Carroll

Formation Test No. 1 Interval Tested from 3866 ft. to 3947 ft. Total Depth 3947 ft.
 Packer Depth 3860 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 3866 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____
 Top Recorder Depth (Inside) 3850 ft. Recorder Number 5950 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 3935 ft. Recorder Number 0230 Cap. 5000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 75 Drill Collar Length 187 ft. I.D. 2 1/4 in.
 Weight 8.6 Water Loss 6.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 2200 P.P.M. Drill Pipe Length 3692 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number 11 Test Tool Length 37 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 81(17.5A) 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: 2"BLOW-BUILT TO BOB IN 2 MINUTES 40 SECONDS NOBB
 2nd Open: 1"BLOW-BUILT TO BOB IN 3 MINUTES 05 SECONDS NOBB

Recovered 184 ft. of OCMW 4%O 66%W 30%M CHLORIDES 58000 PPM
 Recovered 1699 ft. of SLOCMCW 1%O 96%W 3%M RW .18 @ 55 DEGREES
 Recovered 1883 ft. of TOTAL FLUID PH 7

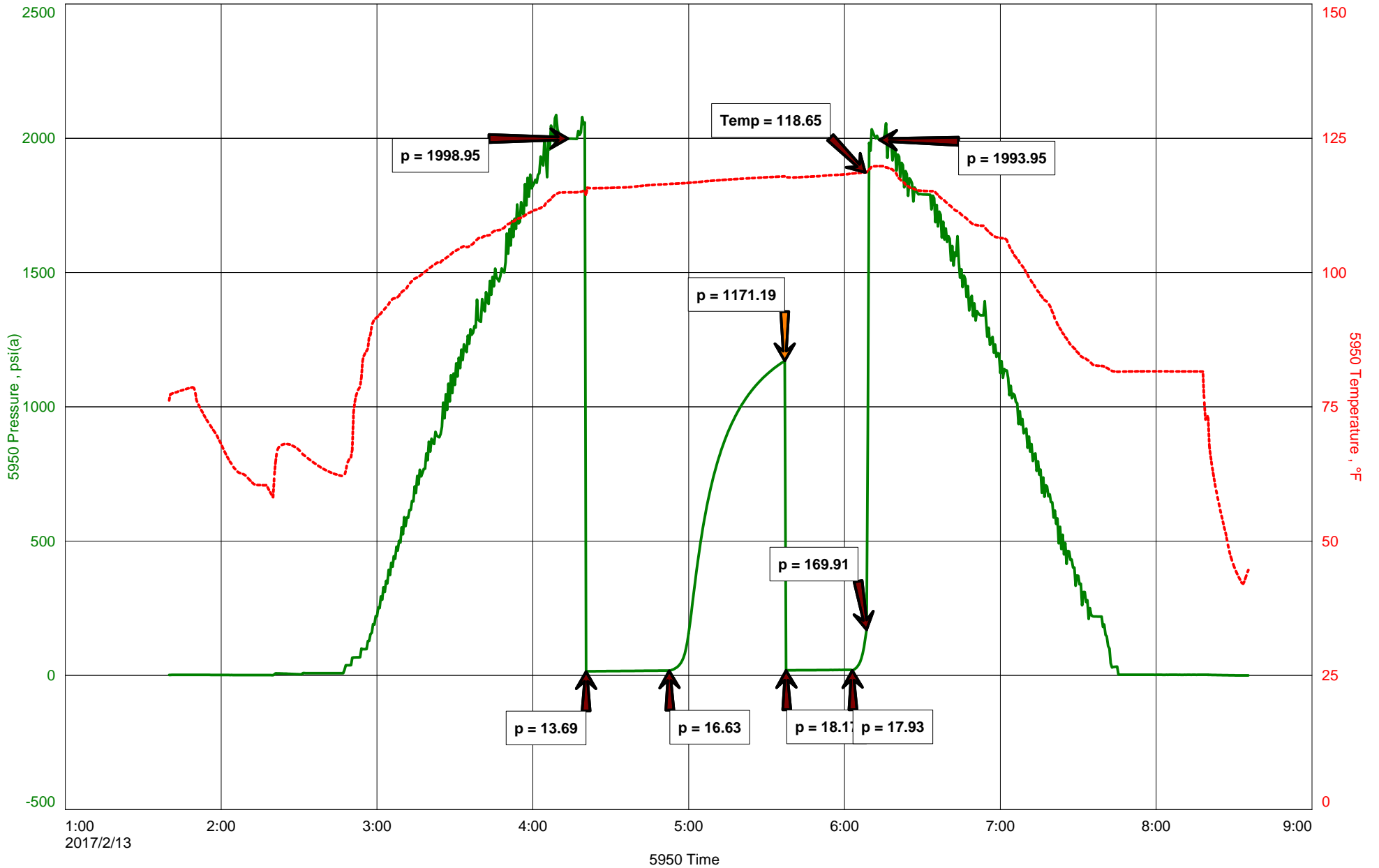
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: <u>SAMPLER RECOVERY:4000ML WATER</u>	
<u>PSI: 50</u>	Total

Time Set Packer(s) 7:50 P.M. A.M. P.M. Time Started Off Bottom 11:20 P.M. A.M. P.M. Maximum Temperature 128

Initial Hydrostatic Pressure..... (A) 1799 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 60 P.S.I. to (C) 537 P.S.I.
 Initial Closed In Period..... Minutes 45 (D) 1128 P.S.I.
 Final Flow Period..... Minutes 45 (E) 551 P.S.I. to (F) 892 P.S.I.
 Final Closed In Period..... Minutes 90 (G) 1133 P.S.I.
 Final Hydrostatic Pressure..... (H) 1801 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.

Skolout Trust #1-15





Hoisington, Kansas

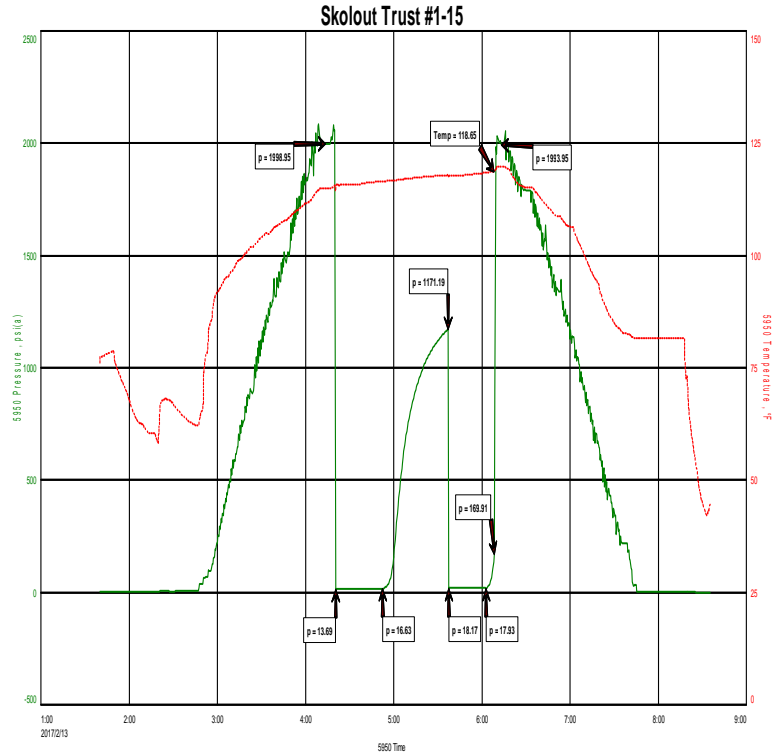
Michael Carroll
620-617-0368
carroll.dtlc@gmail.com

General Information

Company Name Gulf Exploration LLC

Contact Pat McGraw
Well Name Skolout Trust #1-15
Unique Well ID Dst #2 Lans E&F 4243-4275'
Surface Location Sec 15-7s-35w Thomas County
Field Wildcat
Well Type Vertical
Test Type Drill Stem Test
Well Operator Gulf Exploration LLC

Formation Dst #2 Lans E&F 4243-4275'
Well Fluid Type 01 Oil
Test Purpose Initial Test
Start Test Date 2017/02/13
Start Test Time 01:40:00
Final Test Time 08:35:00
Job Number P0161
Report Date 2017/02/13
Prepared By Michael Carroll



TEST RECOVERY

Remarks Recovery: 15' OSWCM 30%W 70%M >1% Oil

Total Fluid: 15'

Sampler Recovery: 4000 ML Mud With Oil Specks
 PSI: 20

Chlorides 55000 PPM
Rw .15 @ 55 Degrees
PH 8



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

TIME ON: 0140
 TIME OFF: 0835

DRILL-STEM TEST TICKET
 FILE: SKOLOUTTRUST1-15DST2

Company GULF EXPLORATION LLC Lease & Well No. SCOLOUT TRUST #1-15
 Contractor MURFIN DRLG RIG 7 Charge to GULF EXPLORATION LLC
 Elevation 3309 KB Formation LANS E&F Effective Pay _____ Ft. Ticket No. P0161
 Date 2-13-17 Sec. 15 Twp. 7 S Range 35 W County THOMAS State KANSAS
 Test Approved By KEITH REAVIS Diamond Representative Michael Carroll

Formation Test No. 2 Interval Tested from 4243 ft. to 4275 ft. Total Depth 4275 ft.
 Packer Depth 4237 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 4243 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4227 ft. Recorder Number 5950 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 4247 ft. Recorder Number 0230 Cap. 5000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 59 Drill Collar Length 187 ft. I.D. 2 1/4 in.
 Weight 8.8 Water Loss 11 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 3600 P.P.M. Drill Pipe Length 4019 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number 11 Test Tool Length 37 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 32 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: WSB-BUILT TO 1/2" IN 30 MINUTES **NOBB**
 2nd Open: NO BLOW-NO BUILD(ATTEMPTED FLUSH @ 20 MINUTES)NO BLOW **NOBB**

Recovered 15 ft. of OSWCM 30%W 70%M >1% OIL CHLORIDES 55000 PPM
 Recovered 15 ft. of TOTAL FLUID RW .15 @ 55 DEGREES
 Recovered _____ ft. of _____ PH 8

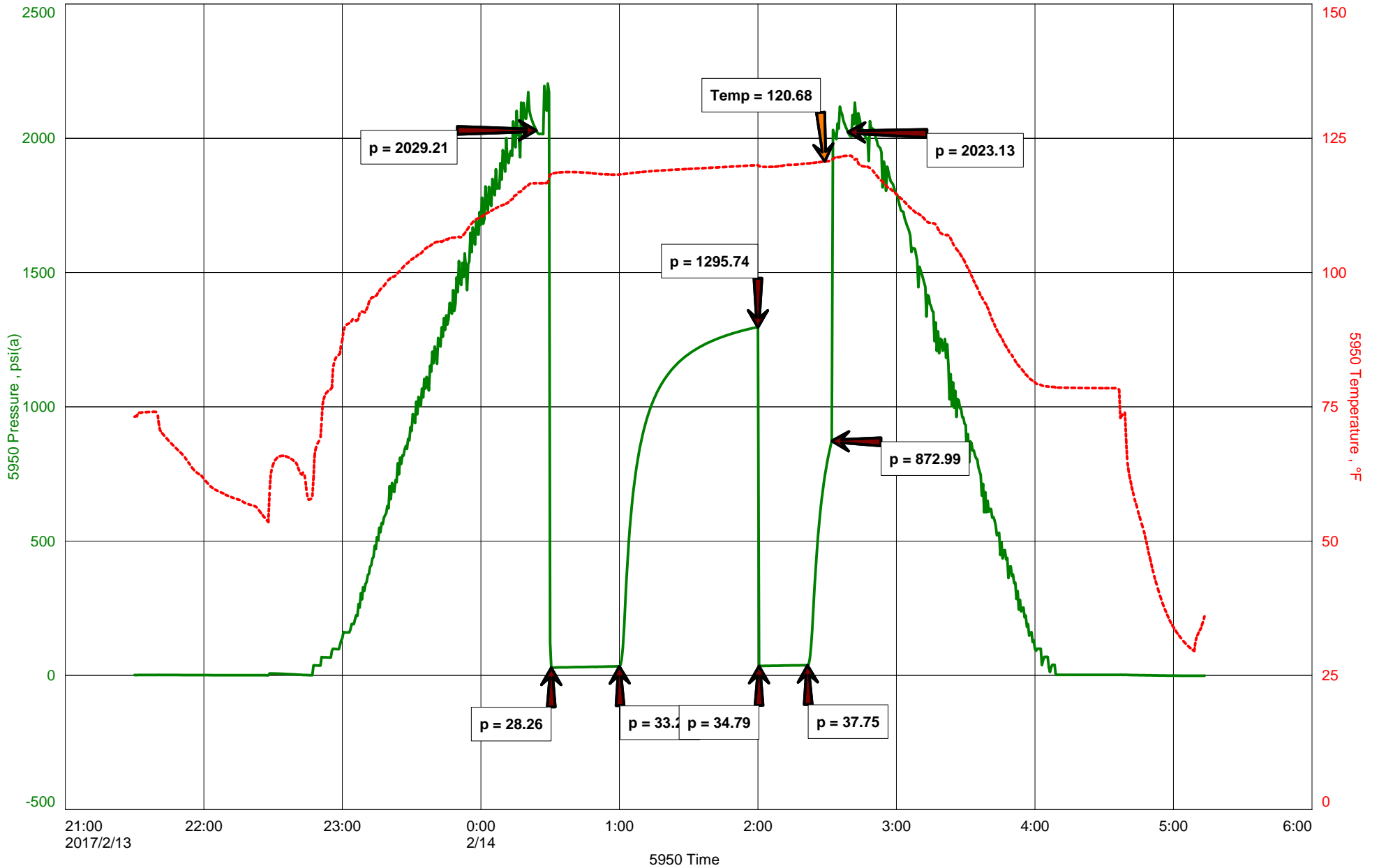
Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Recovered _____ ft. of _____	Insurance
Remarks: <u>SAMPLER RECOVERY:4000ML MUD WITH OIL SPECKS</u>	Total
PSI: <u>20</u>	

Time Set Packer(s) 4:20 A.M. A.M. P.M. Time Started Off Bottom 6:05 A.M. A.M. P.M. Maximum Temperature 119

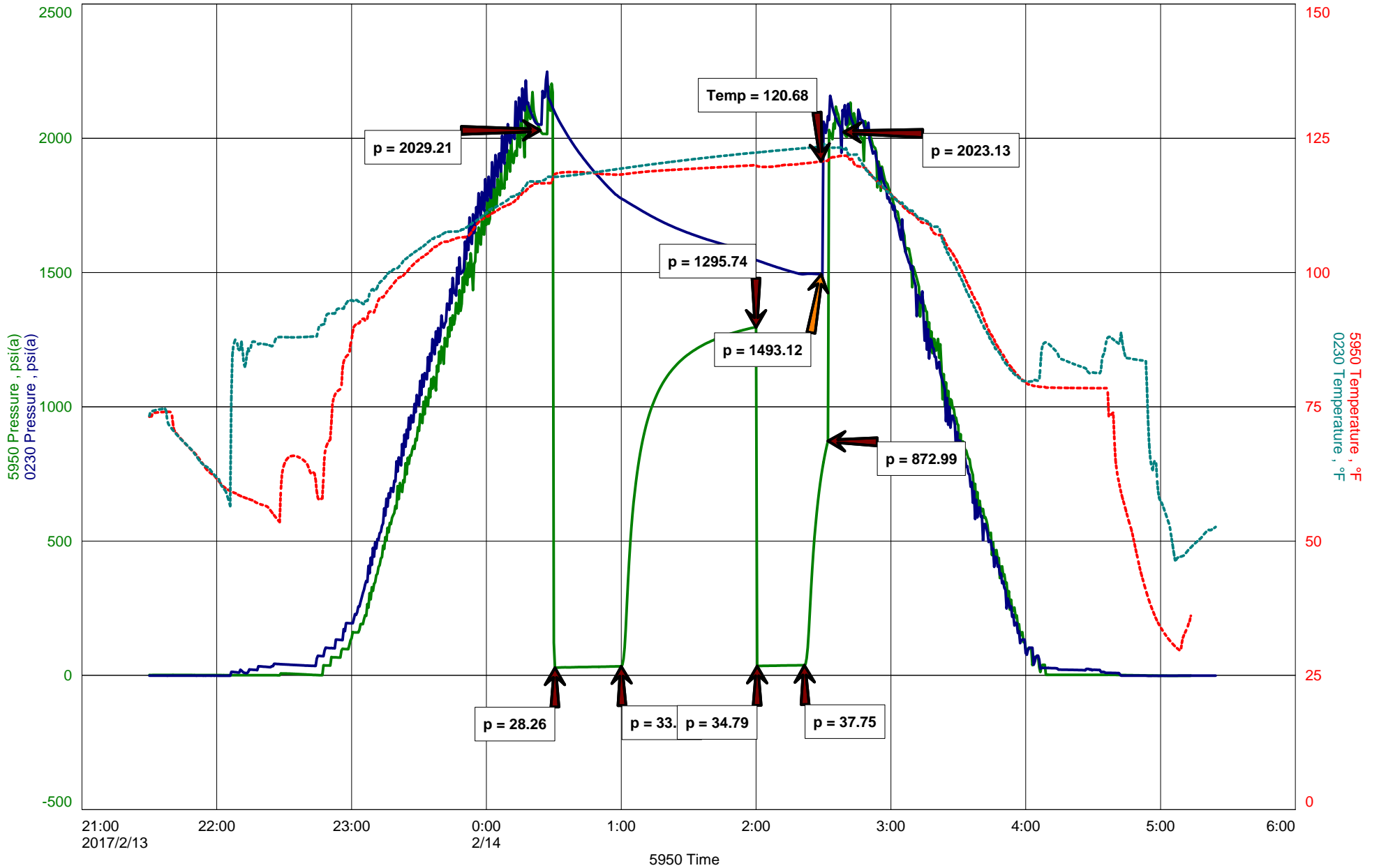
Initial Hydrostatic Pressure..... (A) 1999 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 14 P.S.I. to (C) 17 P.S.I.
 Initial Closed In Period..... Minutes 45 (D) 1171 P.S.I.
 Final Flow Period..... Minutes 25 (E) 18 P.S.I. to (F) 18 P.S.I.
 Final Closed In Period..... Minutes 5 (G) 170 P.S.I.
 Final Hydrostatic Pressure..... (H) 1994 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.

Slotout Trust #1-15



Slotout Trust #1-15





Hoisington, Kansas

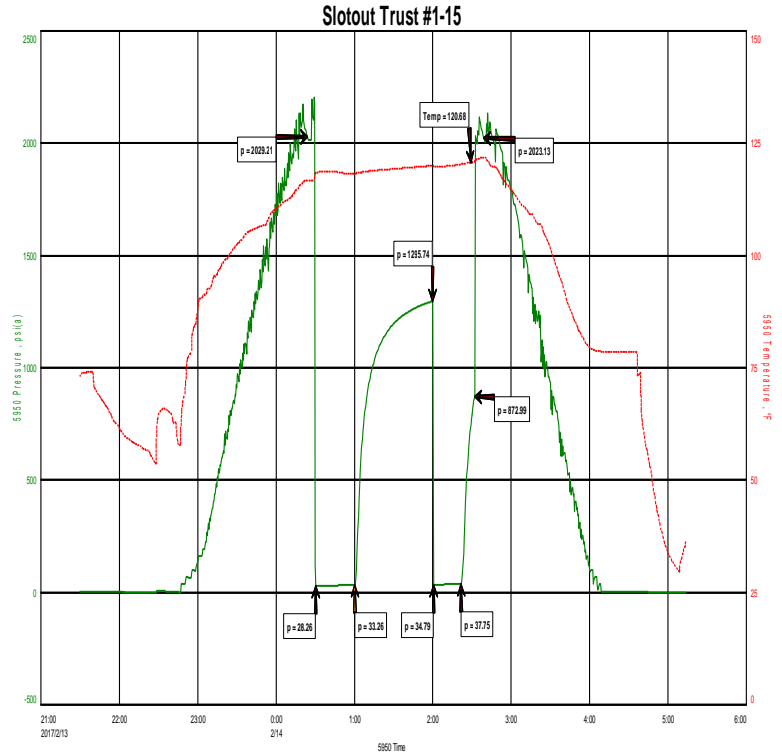
Michael Carroll
620-617-0368
carroll.dtlc@gmail.com

General Information

Company Name Gulf Exploration LLC

Contact	Pat McGraw
Well Name	Slotout Trust #1-15
Unique Well ID	Dst #3 Lans 'H' 4303-4328' Rtd 4381
Surface Location	Sec 15-7s-35w Thomas County
Field	Wildcat
Well Type	Vertical
Test Type	Drill Stem Test
Well Operator	Gulf Exploration LLC

Formation	Dst #3 Lans 'H' 4303-4328' Rtd 4381
Well Fluid Type	01 Oil
Test Purpose	Initial Test
Start Test Date	2017/02/13
Start Test Time	21:30:00
Final Test Time	05:15:00
Job Number	P0162
Report Date	2017/02/13
Prepared By	Michael Carroll



TEST RECOVERY

Remarks Recovery: 40' Mud 100%M
 Total Fluid: 40'
 Sampler Recovery: 4000ML Mud
 PSI: 100



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

TIME ON: 2130 2-13
TIME OFF: 0515 2-14

DRILL-STEM TEST TICKET
FILE: SKOLOUTTRUST1-15DST3

Company GULF EXPLORATION LLC Lease & Well No. SCOLOUT TRUST #1-15
Contractor MURFIN DRLG RIG 7 Charge to GULF EXPLORATION LLC
Elevation 3309 KB Formation LANS 'H' Effective Pay _____ Ft. Ticket No. P0162
Date 2-13-17 Sec. 15 Twp. _____ 7 S Range _____ 35 W County THOMAS State KANSAS
Test Approved By KEITH REAVIS Diamond Representative Michael Carroll

Formation Test No. 3 Interval Tested from 4303 ft. to 4328 ft. Total Depth 4381 ft.
Packer Depth 4297 ft. Size 6 3/4 in. Packer depth 4328 ft. Size 6 3/4 in.
Packer Depth 4303 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4287 ft. Recorder Number 5950 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Below Straddle Recorder Depth 4362 ft. Recorder Number 0230 Cap. 5000 P.S.I.

Mud Type Chem Viscosity 48 Drill Collar Length 187 ft. I.D. 2 1/4 in.
Weight 9.1 Water Loss 8.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
Chlorides 3100 P.P.M. Drill Pipe Length 4132 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number 11 Test Tool Length 37 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 25 ft. Size 4 1/2-FH in.
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 53' TAIL PIPE
Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: 1/2" BLOW-(TOOL SLID 4' TO BOTTOM, BLED OFF) WSB-BUILT TO 1/2" IN 30 MINUTES **NOBB**
2nd Open: NO BLOW-NO BUILD **NOBB**

Recovered 40 ft. of MUD 100%M
Recovered 40 ft. of TOTAL FLUID
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

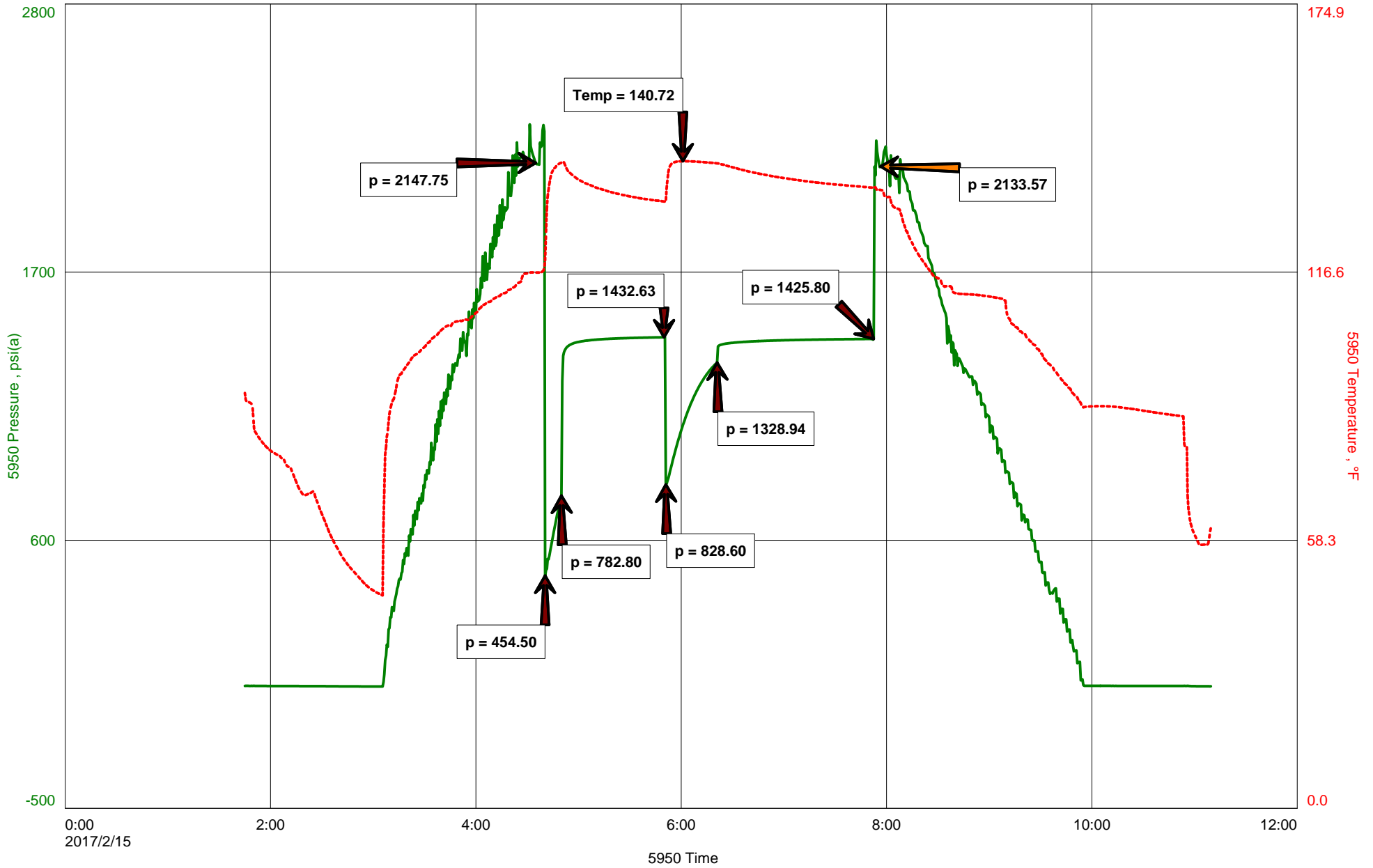
	Price Job
	Other Charges
Remarks: <u>SAMPLER RECOVERY:4000ML MUD</u>	Insurance
PSI: <u>100</u>	
BELOW STRADDLE MAX PSI: <u>1493</u>	Total

Time Set Packer(s) 12:30 A.M. ^{A.M.}/_{P.M.} Time Started Off Bottom 2:30 A.M. ^{A.M.}/_{P.M.} Maximum Temperature 121

Initial Hydrostatic Pressure..... (A) 2029 P.S.I.
Initial Flow Period..... Minutes 30 (B) 28 P.S.I. to (C) 33 P.S.I.
Initial Closed In Period..... Minutes 60 (D) 1296 P.S.I.
Final Flow Period..... Minutes 20 (E) 35 P.S.I. to (F) 38 P.S.I.
Final Closed In Period..... Minutes 10 (G) 873 P.S.I.
Final Hydrostatic Pressure..... (H) 2023 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.

Skolout Trust #1-15





Michael Carroll
 620-617-0368
 carroll.dtlc@gmail.com

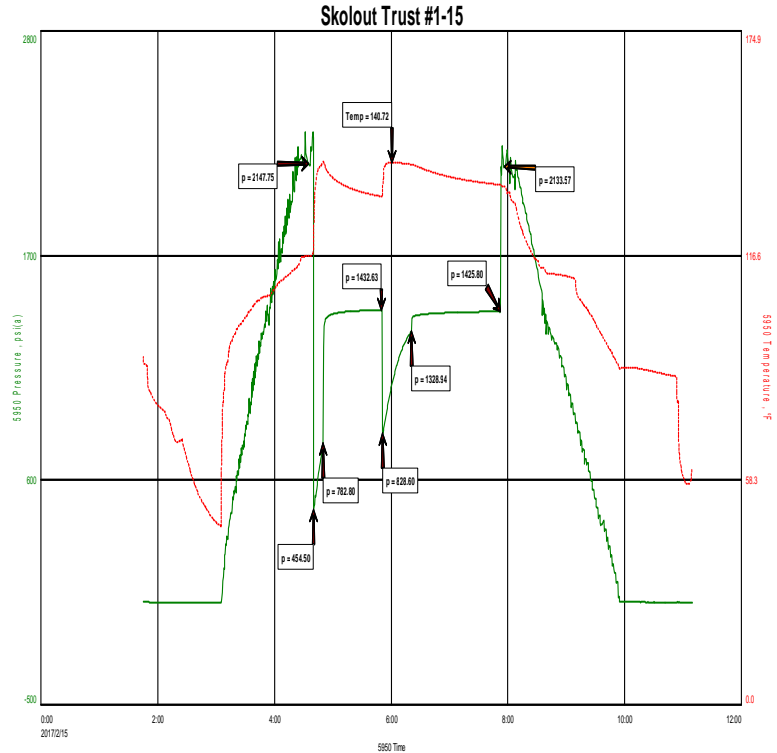
Hoisington, Kansas

General Information

Company Name Gulf Exploration LLC

Contact Pat McGraw
Well Name Skolout Trust #1-15
Unique Well ID Dst #4 Pawnee 4527-4565'
Surface Location Sec 15-7s-35w Thomas County
Field Wildcat
Well Type Vertical
Test Type Drill Stem Test
Well Operator Gulf Exploration LLC

Formation Dst #4 Pawnee 4527-4565'
Well Fluid Type 06 Water
Test Purpose Initial Test
Start Test Date 2017/02/15
Start Test Time 01:45:00
Final Test Time 11:10:00
Job Number P0163
Report Date 2017/02/15
Prepared By Michael Carroll



TEST RECOVERY

Remarks	Recovery:	365'	MW	51%W	49%M
		252'	SLOCMW	2%O	68%W 30%M
		1008'	OCCMW	5%O	88%W 7%M
		1134'	SLOCSLMCW	2%O	96%W 2%M
Total Fluid:		2759'			
Sampler Recovery:		4000ML Water			
		PSI: 180			
Chlorides		60000 PPM			
RW .1 @ 79 Degrees					
PH 7					



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

TIME ON: 0145
 TIME OFF: 1110

DRILL-STEM TEST TICKET
 FILE: SKOLOUTTRUST1-15DST4

Company GULF EXPLORATION LLC Lease & Well No. SCOLOUT TRUST #1-15
 Contractor MURFIN DRLG RIG 7 Charge to GULF EXPLORATION LLC
 Elevation 3309 KB Formation PAWNEE Effective Pay _____ Ft. Ticket No. P0163
 Date 2-15-17 Sec. 15 Twp. 7 S Range 35 W County THOMAS State KANSAS
 Test Approved By KEITH REAVIS Diamond Representative Michael Carroll

Formation Test No. 4 Interval Tested from 4527 ft. to 4565 ft. Total Depth 4565 ft.
 Packer Depth 4521 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Packer Depth 4527 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4511 ft. Recorder Number 5950 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) 4531 ft. Recorder Number 0230 Cap. 5000 P.S.I.
 Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.

Mud Type Chem Viscosity 57 Drill Collar Length 187 ft. I.D. 2 1/4 in.
 Weight 9.0 Water Loss 7.7 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 1200 P.P.M. Drill Pipe Length 4303 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number 11 Test Tool Length 37 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: 5" BLOW-BUILT TO BOB IN 50 SECONDS 1/4" BB
 2nd Open: 5" BLOW-BUILT TO BOB IN 1 MINUTE 05 SECONDS WSBB

Recovered 365 ft. of MW 51%W 49%M CHLORIDES 60000 PPM
 Recovered 252 ft. of SLOCMW 2%O 68%W 30%M RW .1 @ 60 DEGREES
 Recovered 1008 ft. of OCMCW 5%O 88%W 7%M PH 7
 Recovered 1134 ft. of SLOCSLMCW 2%O 96%W 2%M

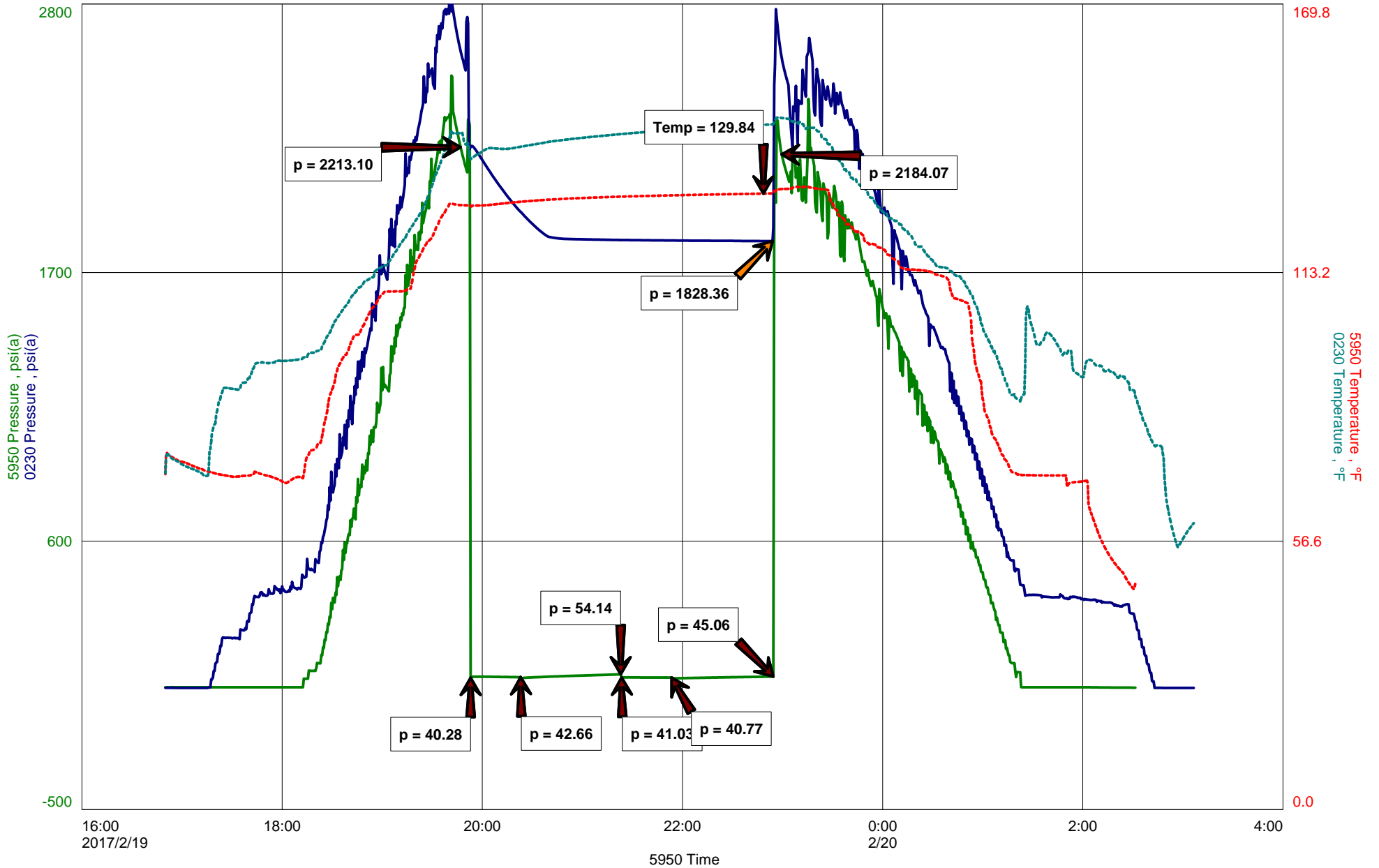
Recovered <u>2759</u> ft. of <u>TOTAL FLUID</u>	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>SAMPLER RECOVERY: 4000 ML WATER</u>	Insurance
<u>PSI: 180</u>	Total

Time Set Packer(s) 4:40 A.M. A.M. P.M. Time Started Off Bottom 7:50 A.M. A.M. P.M. Maximum Temperature 141

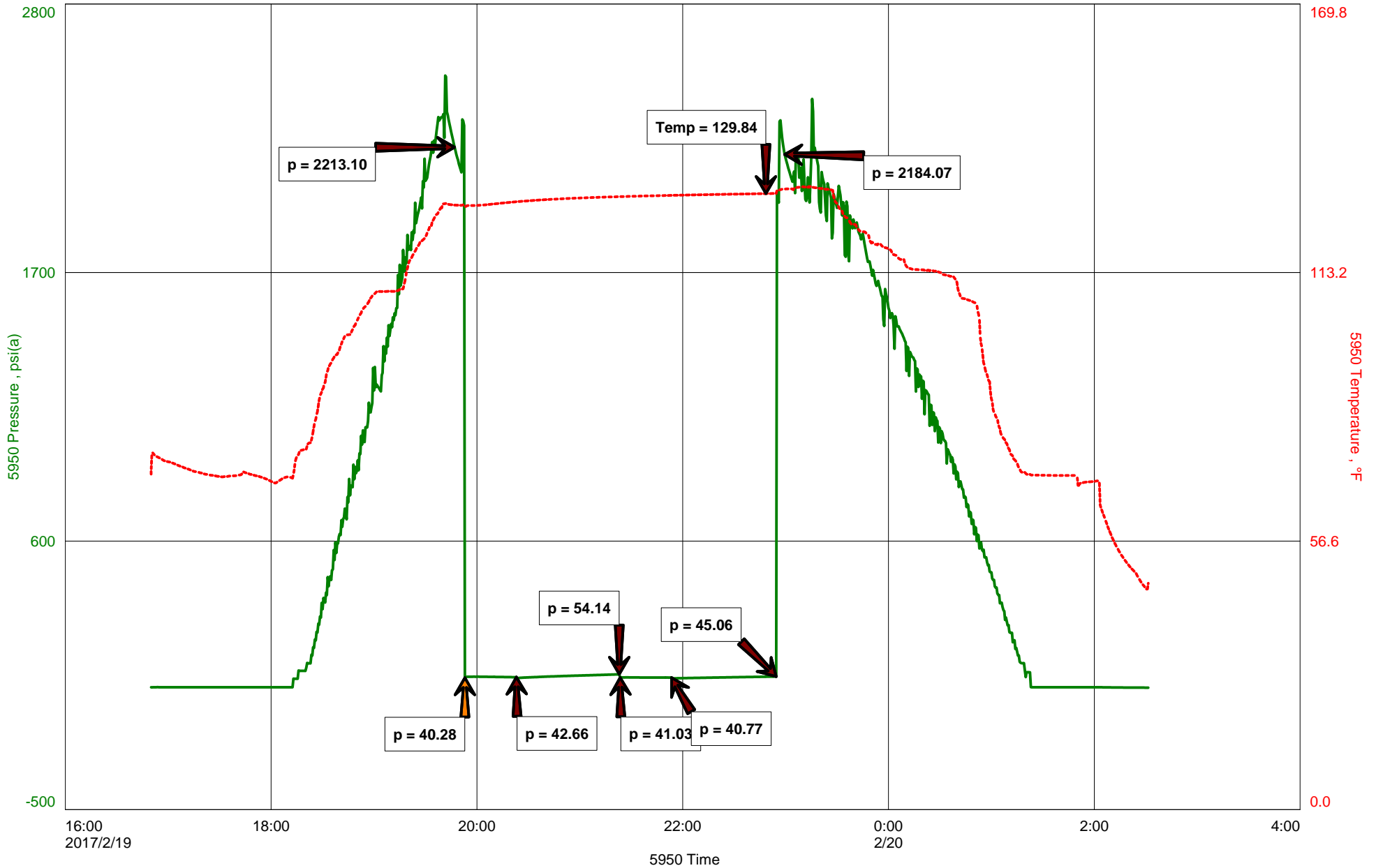
Initial Hydrostatic Pressure..... (A) 2148 P.S.I.
 Initial Flow Period..... Minutes 10 (B) 455 P.S.I. to (C) 783 P.S.I.
 Initial Closed In Period..... Minutes 60 (D) 1433 P.S.I.
 Final Flow Period..... Minutes 30 (E) 829 P.S.I. to (F) 1329 P.S.I.
 Final Closed In Period..... Minutes 90 (G) 1426 P.S.I.
 Final Hydrostatic Pressure..... (H) 2134 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.

Skolout Trust #1-15



Skolout Trust #1-15





Hoisington, Kansas

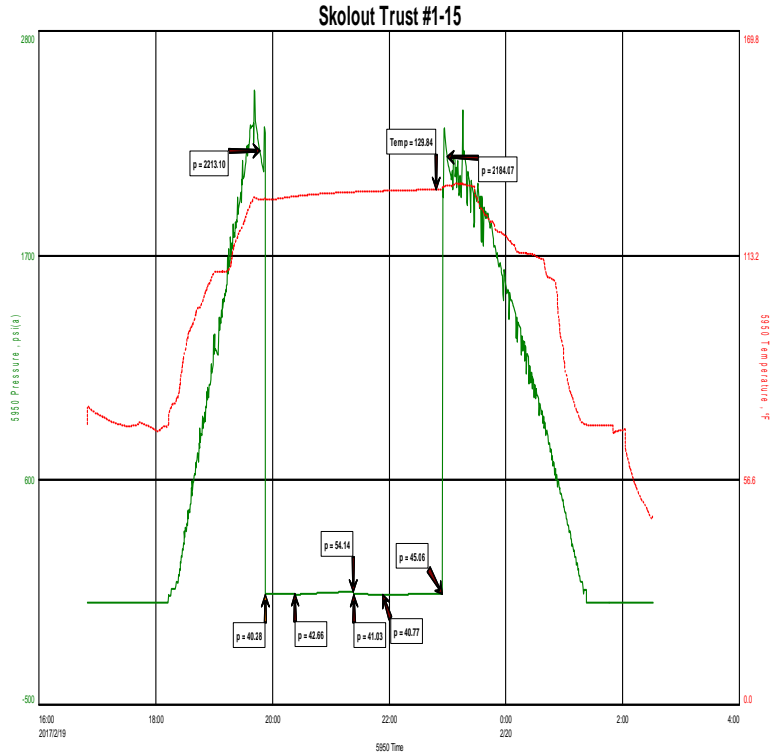
Michael Carroll
620-617-0368
carroll.dtlc@gmail.com

General Information

Company Name Gulf Exploration LLC

Contact	Pat McGraw
Well Name	Skolout Trust #1-15
Unique Well ID	Dst #5 Pawnee 4530-4556' Ltd 5410'
Surface Location	Sec 15-7s-35w Thomas County
Field	Wildcat
Well Type	Vertical
Test Type	Drill Stem Test
Well Operator	Gulf Exploration LLC

Formation	Dst #5 Pawnee 4530-4556' Ltd 5410'
Well Fluid Type	01 Oil
Test Purpose	Initial Test
Start Test Date	2017/02/18
Start Test Time	16:50:00
Final Test Time	02:30:00
Job Number	P0164
Report Date	2017/02/18
Prepared By	Michael Carroll



TEST RECOVERY

Remarks	Recovery:	40'	Mud	100%M
	Total Fluid:	40'		
	Sampler Recovery:		100ML Mud	
	PSI:	0		



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

TIME ON: 1650 2-18
 TIME OFF: 0230 2-19

DRILL-STEM TEST TICKET
 FILE: SKOLOUTTRUST1-15DST5

Company GULF EXPLORATION LLC Lease & Well No. SCOLOUT TRUST #1-15
 Contractor MURFIN DRLG RIG 7 Charge to GULF EXPLORATION LLC
 Elevation 3309 KB Formation PAWNEE Effective Pay _____ Ft. Ticket No. P0164
 Date 2-18-17 Sec. 15 Twp. _____ 7 S Range _____ 35 W County THOMAS State KANSAS
 Test Approved By KEITH REAVIS Diamond Representative Michael Carroll

Formation Test No. 5 Interval Tested from 4530 ft. to 4556 ft. Total Depth 5410 ft.
 Packer Depth 4525 ft. Size 6 3/4 in. Packer depth 4556 ft. Size 6 3/4 in.
 Packer Depth 4530 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.

Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 4515 ft. Recorder Number 5950 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
 Below Straddle Recorder Depth 5382 ft. Recorder Number _____ Cap. 5000 P.S.I.

Mud Type Chem Viscosity 58 Drill Collar Length 187 ft. I.D. 2 1/4 in.
 Weight 9.1 Water Loss 8.8 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 900 P.P.M. Drill Pipe Length 5160 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number 11 Test Tool Length 37 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 26 ft. Size 4 1/2-FH in.
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. 85' TAIL PIPE
 Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: 1" BLOW-STEADY THROUGHOUT **NOBB**
 2nd Open: NO BLOW-BUILT TO WSB IN 30 MINUTES **NOBB**

Recovered 40 ft. of MUD 100%M
 Recovered 40 ft. of TOTAL FLUID
 Recovered _____ ft. of _____
 Recovered _____ ft. of _____

Recovered _____ ft. of _____	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>SAMPLER RECOVERY: 100ML MUD</u>	Insurance
PSI: <u>0</u>	
BELOW STRADDLE MAX PSI: <u>1828</u>	Total

Time Set Packer(s) 7:50 P.M. A.M. P.M. Time Started Off Bottom 10:50 P.M. A.M. P.M. Maximum Temperature 130

Initial Hydrostatic Pressure..... (A) 2213 P.S.I.
 Initial Flow Period..... Minutes 30 (B) 40 P.S.I. to (C) 43 P.S.I.
 Initial Closed In Period..... Minutes 60 (D) 54 P.S.I.
 Final Flow Period..... Minutes 30 (E) 41 P.S.I. to (F) 41 P.S.I.
 Final Closed In Period..... Minutes 60 (G) 45 P.S.I.
 Final Hydrostatic Pressure..... (H) 2184 P.S.I.

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OPERATOR

Company: Gulf Exploration, LLC
 Address: 9701 N. Broadway Extension
 Oklahoma City, OK 73114

Contact Geologist: Frank Thompson
 Contact Phone Nbr: 405-840-3371
 Well Name: Skolout Trust #1-15
 Location: Sec. 7 - T7S - R35W
 API: 15-193-20986-0000
 Pool:
 State: Kansas

Field: Wildcat
 Country: USA

Scale 1:240 Imperial

Well Name: Skolout Trust #1-15
 Surface Location: Sec. 7 - T7S - R35W
 Bottom Location:
 API: 15-193-20986-0000
 License Number: 35147
 Spud Date: 2/9/2017 Time: 8:30 PM
 Region: Thomas County
 Drilling Completed: 2/17/2017 Time: 9:10 PM
 Surface Coordinates: 2436' FSL & 330' FWL
 Bottom Hole Coordinates:
 Ground Elevation: 3304.00ft
 K.B. Elevation: 3309.00ft
 Logged Interval: 3600.00ft To: 5406.00ft
 Total Depth: 5406.00ft
 Formation: Pre-Cambrian
 Drilling Fluid Type: Chemical/Fresh Water Gel

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude:
 Latitude:
 N/S Co-ord: 2436' FSL
 E/W Co-ord: 330' FWL

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: Murfin Drilling Company
 Rig #: 7
 Rig Type: mud rotary
 Spud Date: 2/9/2017 Time: 8:30 PM
 TD Date: 2/17/2017 Time: 9:10 PM
 Rig Release: Time:

ELEVATIONS

K.B. Elevation: 3309.00ft Ground Elevation: 3304.00ft
 K.B. to Ground: 5.00ft

NOTES

Due to negative results of drill stem testing and electrical log evaluation, it was determined by the operator that the Skolout Trust #1-15 be plugged and abandoned as a dry test.

Samples were saved and will be available for review at the Kansas Geological Survey Well Sample library located in

Gulf Exploration, LLC

daily drilling report

DATE	7:00 AM DEPTH	REMARKS
02/11/2017	3635	Geologist Keith Reavis on location @ 0600 hrs, 3572 ft, drilling ahead cfs @ 3947', show (Bern or Howard) warrants test, short trip, ctch, TOH for DST #1
02/12/2017	3970	complete DST #1, successful test, TIH w/bit (replace PDC with button), resume drilling, Topeka, Oread, Heebner, Toronto, Lansing, show in E zone warrants test, short trip and TOH for DST #2
02/13/2017	4275	trip out, conduct and complete DST #2, successful test, show in H zone, no shows I & J zones, set up straddle test for H zone, TOH w/bit in w/tools
02/14/2017	4381	conducting DST #3, complete DST #3, successful test, TIH w/bit, resume drilling, Stark, BKC, Marmaton, show in Pawnee warrants test, pulled tight coming out of hole, short trip, TOH w/bit
02/15/2017	4565	TOH w/bit, TIH w/tools, conduct and complete DST #4, successful test, back in hole w/bit, resume drilling, Ft. Scott, Cherokee
02/16/2017	4861	drilling ahead, Cherokee, Mississippian, Arbuckle
02/17/2017	5246	drilling ahead, Arbuckle, Pre-Cambrian, TD @ 5406' @ 2110 hrs, short trip
02/18/2017	5406	ctch, TOH for logs, logging tools quit working going in hole, re-heading and waiting on another truck en-route, new truck on loc, conduct and complete logging. Decision made to straddle upper Pawnee and isolate top porosity zone, make up tools, TIH, conduct DST #5 straddle, TOH
02/19/2017	5406	finish TOH w/tools, successful test, decision to plug, geologist off Location @ 0300 hrs

Gulf Exploration, LLC

well comparison sheet

	DRILLING WELL				COMPARISON WELL				COMPARISON WELL			
	Skolout Trust #1-15 2436' FSL & 330' FWL Sec 15-T7S-R35W 3309 KB				Gulf - Miller #1-20 C SE NE Sec 20-T7S-R35W 3320 KB				Dark Horse Bellamy #1-21 2290' FSL & 2285' FWL Sec 21-T7S-R35W 3309 KB			
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Howard	3898	-589	3900	-591	3901	-581	-8	-10	3920	-611	22	20
Topeka	3956	-647	3959	-650	3963	-643	-4	-7	3977	-668	21	18
Oread	4118	-809	4098	-789	4126	-806	-3	17	4136	-816	7	27
Heebner	4136	-827	4136	-827	4144	-824	-3	-3	4160	-840	13	13
Lansing	4184	-875	4180	-871	4188	-868	-7	-3	4207	-887	12	16
Muncie Creek	4298	-989	4300	-991	4312	-992	3	1	4328	-1008	19	17
Stark Shale	4381	-1072	4378	-1069	4394	-1074	2	5	4411	-1091	19	22
Base KC	4460	-1151	4459	-1150	4474	-1154	3	4	4493	-1173	22	23
Marmaton	4477	-1168	4474	-1165	4486	-1166	-2	1	4508	-1188	20	23
Pawnee	4545	-1236	4553	-1244	4576	-1256	20	12	4600	-1280	44	36
Cherokee	4613	-1304	4616	-1307	4634	-1314	10	7	4654	-1334	30	27
Mississippian	4760	-1451	4764	-1455	4814	-1494	43	39	4862	-1542	91	87
Arbuckle	5066	-1757	5068	-1759	5100	-1780	23	21	nr			
Reagan (equiv)	5320	-2011	5323	-2014	5345	-2025	14	11	nr			
Pre-Cambrian	5343	-2034	5346	-2037	5369	-2049	15	12	nr			
Total Depth	5406	-2097	5410	-2101	5443	-2123	26	22	4911	-1591	-506	-510

Drill Stem Test #1



Michael Carroll
620-617-0368



620-617-0368
carroll.dtlc@gmail.com

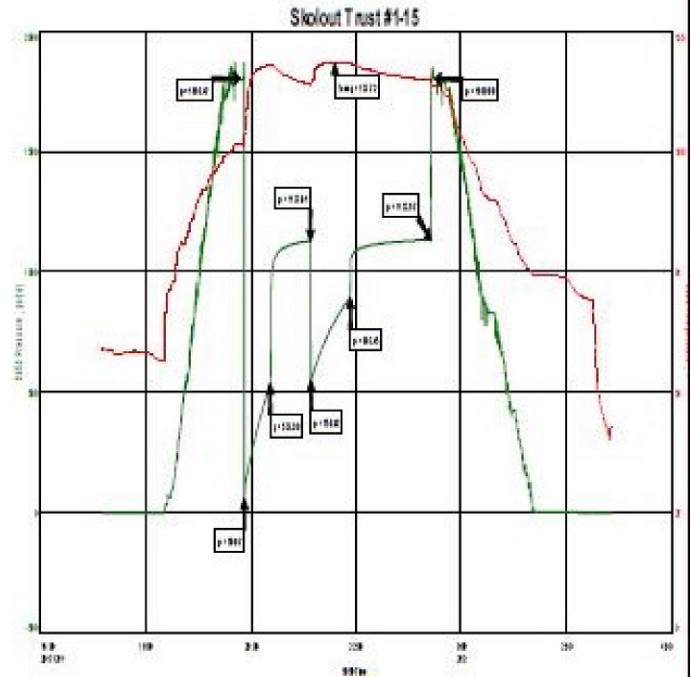
Hoisington, Kansas

General Information

Company Name Gulf Exploration LLC

Contact Pat McGraw
Well Name Skolout Trust #1-15
Unique Well ID Dst #1 Howard 3866-3947
Surface Location Sec 15-7s-35w Thomas County
Field Wildcat
Well Type Vertical
Test Type Drill Stem Test
Well Operator Gulf Exploration LLC

Formation Dst #1 Howard 3866-3947
Well Fluid Type 06 Water
Test Purpose Initial Test
Start Test Date 2017/02/11
Start Test Time 17:10:00
Final Test Time 02:53:00
Job Number P0160
Report Date 2017/02/11
Prepared By Michael Carroll



TEST RECOVERY

Remarks Recovery: 184' OCMW 4%O 66%W 30%M
1699' SLOCMCW 1%O 96%W 3%M

Total Fluid: 1883'

Sampler Recovery: 4000ML Water
PSI: 50

Chlorides 58000 PPM
RW .18 @ 55 Degrees
PH 7

Drill Stem Test #2



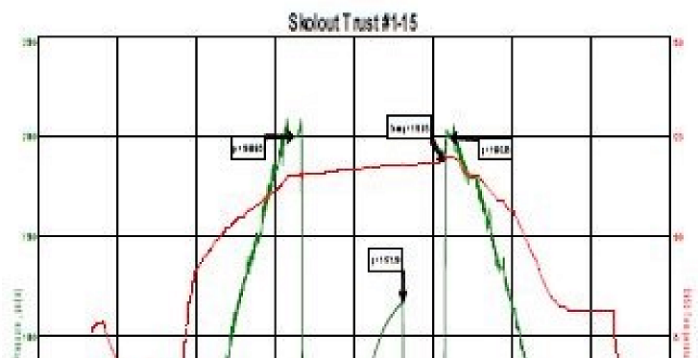
Michael Carroll
620-617-0368
carroll.dtlc@gmail.com

Hoisington, Kansas

General Information

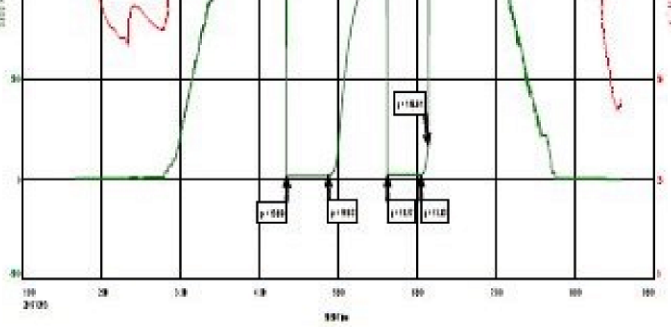
Company Name Gulf Exploration LLC

Contact Pat McGraw
Well Name Skolout Trust #1-15
Unique Well ID Dst #2 Lans E&F 4243-4275'
Surface Location Sec 15-7s-35w Thomas County
Field Wildcat
Well Type Vertical



Well Type Vertical
 Test Type Drill Stem Test
 Well Operator Gulf Exploration LLC

Formation Dst #2 Lans E&F 4243-4275'
 Well Fluid Type 01 Oil
 Test Purpose Initial Test
 Start Test Date 2017/02/13
 Start Test Time 01:40:00
 Final Test Time 08:35:00
 Job Number P0161
 Report Date 2017/02/13
 Prepared By Michael Carroll



TEST RECOVERY

Remarks Recovery: 15' OSWCM 30%W 70%M >1% Oil
 Total Fluid: 15'
 Sampler Recovery: 4000 ML Mud With Oil Specks
 PSI: 20
 Chlorides 55000 PPM
 Rw .15 @ 55 Degrees
 PH 8

Drill Stem Test #3



Hoisington, Kansas

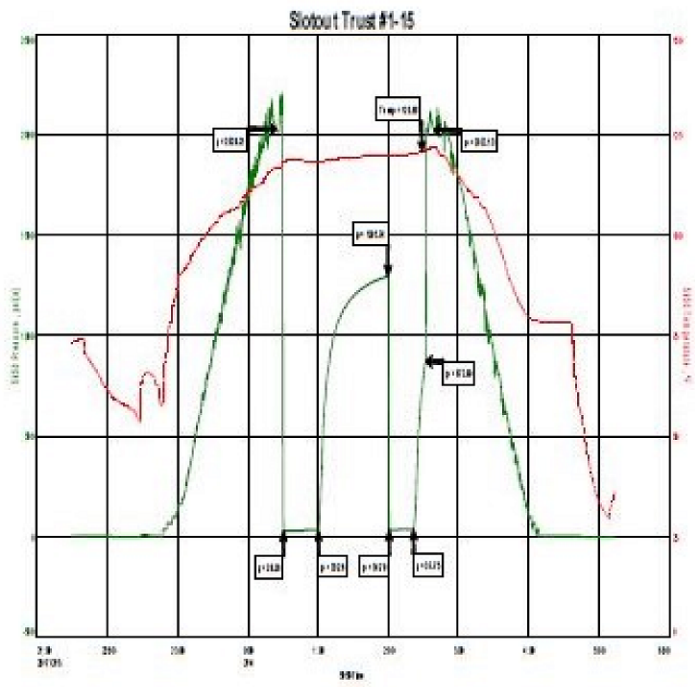
Michael Carroll
 620-617-0368
 carroll.dtlc@gmail.com

General Information

Company Name Gulf Exploration LLC

Contact Pat McGraw
 Well Name Slotout Trust #1-15
 Unique Well ID Dst #3 Lans 'H' 4303-4328' Rtd 4381
 Surface Location Sec 15-7s-35w Thomas County
 Field Wildcat
 Well Type Vertical
 Test Type Drill Stem Test
 Well Operator Gulf Exploration LLC

Formation Dst #3 Lans 'H' 4303-4328' Rtd 4381
 Well Fluid Type 01 Oil
 Test Purpose Initial Test
 Start Test Date 2017/02/13
 Start Test Time 21:30:00
 Final Test Time 05:15:00
 Job Number P0162
 Report Date 2017/02/13
 Prepared By Michael Carroll



TEST RECOVERY

Remarks Recovery: 40' Mud 100%M
 Total Fluid: 40'
 Sampler Recovery: 4000ML Mud
 PSI: 100

Drill Stem Test #4



Hoisington, Kansas

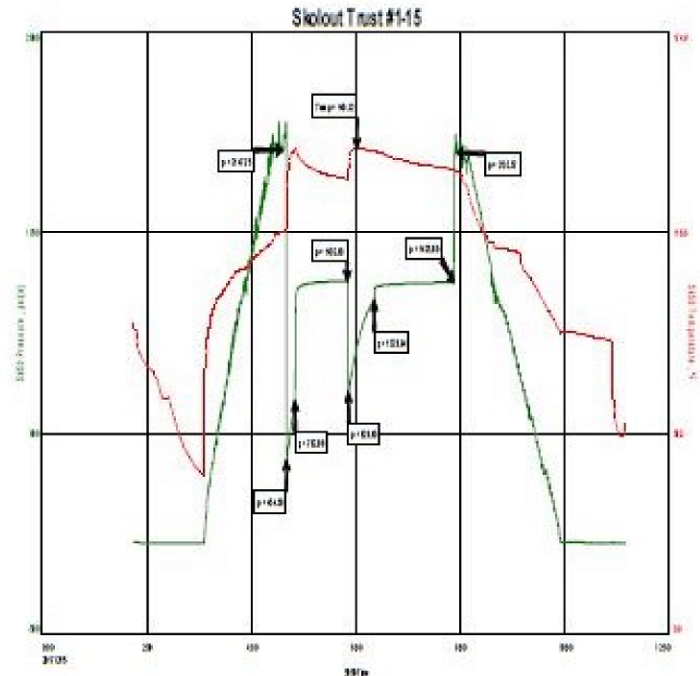
Michael Carroll
620-617-0368
carroll.dtlc@gmail.com

General Information

Company Name Gulf Exploration LLC

Contact Pat McGraw
Well Name Skolout Trust #1-15
Unique Well ID Dst #4 Pawnee 4527-4565'
Surface Location Sec 15-7s-35w Thomas County
Field Wildcat
Well Type Vertical
Test Type Drill Stem Test
Well Operator Gulf Exploration LLC

Formation Dst #4 Pawnee 4527-4565'
Well Fluid Type 06 Water
Test Purpose Initial Test
Start Test Date 2017/02/15
Start Test Time 01:45:00
Final Test Time 11:10:00
Job Number P0163
Report Date 2017/02/15
Prepared By Michael Carroll



TEST RECOVERY

Remarks	Recovery:	365'	MW	51%W	49%M
		252'	SLOCMW	2%O	68%W 30%M
		1008'	OCMCW	5%O	88%W 7%M
		1134'	SLOCMLCW	2%O	96%W 2%M

Total Fluid: 2759'

Sampler Recovery: 4000ML Water
PSI: 180

Chlorides 60000 PPM
RW .1 @ 79 Degrees
PH 7

Drill Stem Test #5



Hoisington, Kansas

Michael Carroll
620-617-0368
carroll.dtlc@gmail.com

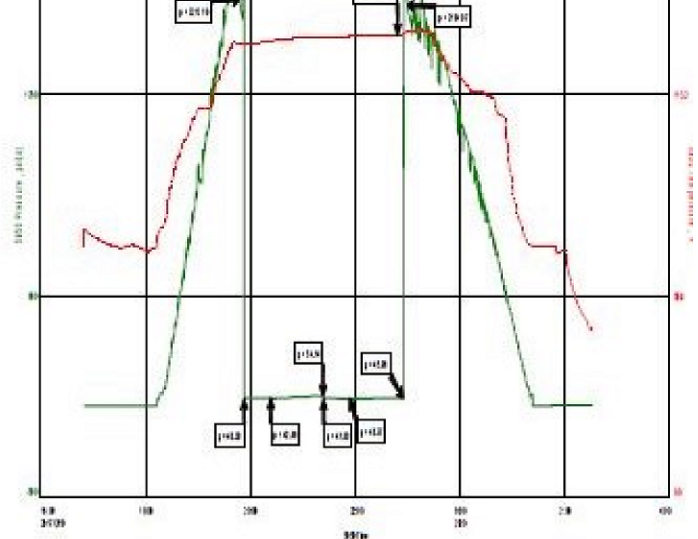
General Information



Company Name Gulf Exploration LLC

Contact Pat McGraw
 Well Name Skolout Trust #1-15
 Unique Well ID Dst #5 Pawnee 4530-4556' Ltd 5410'
 Surface Location Sec 15-7s-35w Thomas County
 Field Wildcat
 Well Type Vertical
 Test Type Drill Stem Test
 Well Operator Gulf Exploration LLC

Formation Dst #5 Pawnee 4530-4556' Ltd 5410'
 Well Fluid Type 01 Oil
 Test Purpose Initial Test
 Start Test Date 2017/02/18
 Start Test Time 16:50:00
 Final Test Time 02:30:00
 Job Number P0164
 Report Date 2017/02/18
 Prepared By Michael Carroll



TEST RECOVERY

Remarks Recovery: 40' Mud 100%M
 Total Fluid: 40'
 Sampler Recovery: 100ML Mud
 PSI: 0

ROCK TYPES



ACCESSORIES

MINERAL

- Argillaceous
- ⊥ Calcareous
- ▲ Chert, dark
- ∟ Dolomitic
- ∩ Glauconite
- × Mineral Crystals
- P Pyrite
- Sandy
- Silty
- △ Chert White
- Mc Mica

FOSSIL

- ∩ Bioclastic or Fragments
- ∩ Cephalopod
- ∩ Coral
- F Fossils < 20%
- ∩ Oolite
- ∩ Pellets

STRINGER

- ∩ Chert
- ∩ Dolomite
- ∩ Limestone
- ∩ Sandstone
- ∩ Siltstone
- ∩ red shale

TEXTURE

- C Chalky
- L Lithogr

OTHER SYMBOLS

Oil Show

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

DST

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

Printed by GEOstrip VC Striplog version 4.0.8.15 (www.grsi.ca)

Curve Track #1				Depth Intervals	DST	Lithology	Oil Show	TG, C1 - C5				
ROP (min/ft)	Gamma (API)	Cal (in)	Geological Descriptions									
0	0	6	1:240 Imperial	Cored Interval				0	0	0	0	0
3	150	16		DST Interval				100	100	100	100	100
Begin 20 ft wet and dry samples @ 3600'												

drilling with PDC bit

3620
3640
3660
3680
3700
3720
3740
3760
3780
3800
3820

red and gray silty shale with abundant gray siltstone

dolomite, light gray to cream with yellow tint, microcrystalline, rhombic to recrystallized sub-rhombic, some cryptocrystalline, some recrystallized fossiliferous, poor visible porosity, dense, no shows, abundant chalk

mostly red silty shale, heavy red wash in samples

D beginning 3780 & 3800 sample - dolomite to dolomitic limestone, severely weathered to near chalk, some soft as chalk, heavy black dead saturated stain and asphalt flakes, no show free oil, no odor, faint to fair fluorescence, blue milky cut

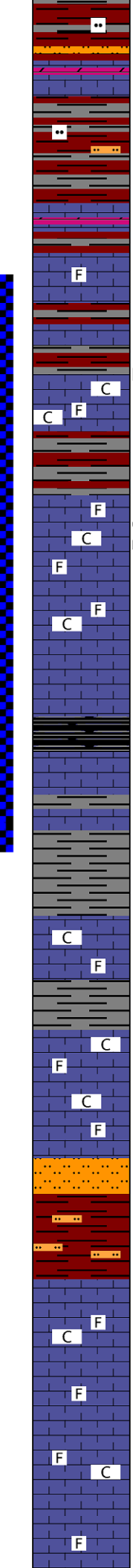
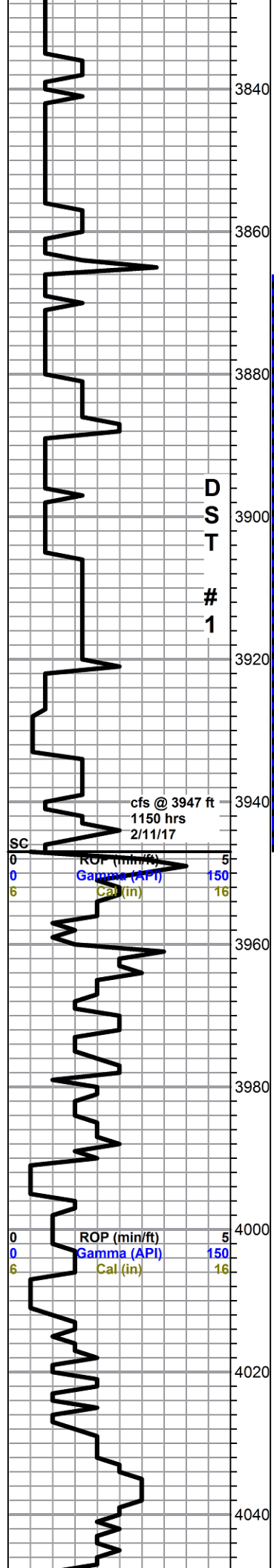
show drops out 3820 sample, flood red and lavender silty shales and siltstones

a.a. with mixed gray fossiliferous limestone streaks, some gray and yellow crystalline dolomites

Universal Fluid
mud chk
@ 3635 ft.
0630 hrs. 2/11/17
Vis. 75 Wt. 8.6
PV 21 YP 19
WL 6.0
pH 10.0
CHL 2200 ppm
Ca 40 ppm
Sol 1% LCM 2#
DMC \$7870.32
CMC \$7870.32

ROP (min/ft) 3
Gamma (API) 150
Cal (in) 16

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



a.a. with increasing gray shales

3920 sample - flood limestone, white to light gray, microcrystalline, fossiliferous, chalky in part, poor visible porosity, few small pieces with black asphalt residue, no free oil or odor, abundant chalk

Howard 3898 -589

3940 sample - limestone, cream to light gray, mostly cryptocrystalline, fossiliferous, solution vugs (with secondary crystals), fractures and surface etching, good wormy to spotty surface staining, heavy streaming sheen and show of free oil droplets in tray, good odor, fair fluorescence, excellent cut, abundant chalk

Topeka 3956 -647

limestone, light gray, crypto-microcrystalline, fossiliferous, some grainy, chalky, poor visible porosity, no shows

a.a. slight influx chalk

brick red siltstone and soft pink/red silty clay

limestone, light gray, microcrystalline, fossiliferous, slightly chalky, some grainy, poor visible porosity, fairly homogeneous, no shows, moderate chalk in tray

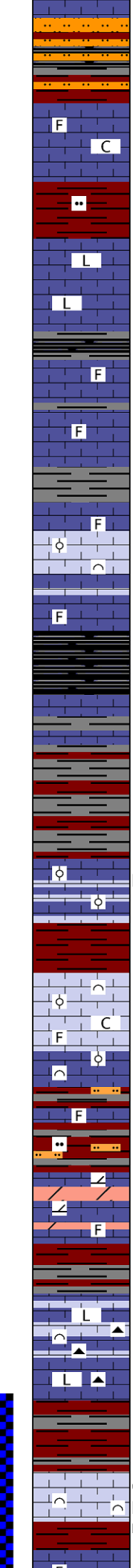
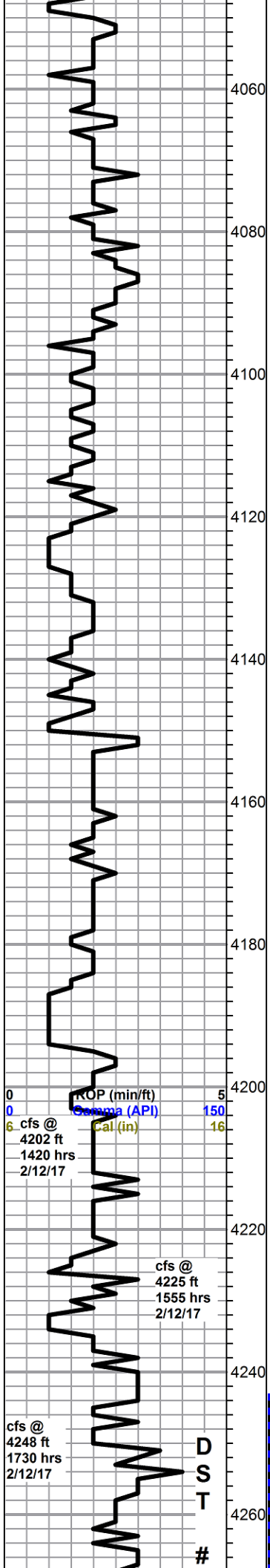
limestone, brown and tan, slightly mottled, microcrystalline, fossiliferous, chalky to dense, poor visible porosity, no shows

DST #1 3866 -3947
 30-45-45-90
 rec. 184' OCMW,
 1699' SLOCMW
 IFP 60-537#
 FFP 551-892#
 ISIP 1128#
 FSIP 1133#
 HSH 1799-1801#
 BHT 128 deg F

replace PDC with button bit after DST
 pipe strap 0.06 ft long to board
 deviation survey 1 deg.

Universal Fluid
 mud chk
 @ 3947 ft.
 0530 hrs. 2/12/17
 Vis. 59 Wt. 8.8
 PV 19 YP 15
 WL 11.0
 Cake 2/32,
 pH 9.5
 CHL 3600 ppm
 Ca 20 ppm
 Sol 3.2% LCM 2#
 DMC \$0.00
 CMC \$7870.32

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



light gray siltstone, somewhat friable, trace carbonaceous shale

limestone, mixed gray, cream and white, microcrystalline, fossiliferous, chalky to grainy, poor visible porosity, no shows

red, brown and brick red silty shales

limestone, gray to dark gray, cryptocrystalline, dense lithographic, some lighter gray slightly fossiliferous/sub-lithographic, some chalk, no shows

limestone, tan to light gray, microcrystalline, fossiliferous, sub-sucrosic, chalky, poor visible porosity, no shows, some chalk

Oread 4118 -809

limestone, light gray, compacted micro-oolitic to bioclastic, some grainy and chalky, with cryptocrystalline fossiliferous, dense, poor overall visible porosity, some chalk, no shows

Heebner 4136 -827

shale, black carbonaceous

limestone, gray, micro-cryptocrystalline, fossiliferous, mostly dense, no shows

Toronto 4168 -859

limestone, light gray, fine oolitic, dense, no visible porosity, with some bioclastic, dense, white heavily weathered/chalky oolitic, about 20% of sample with black tarry-aphaltic stain and residue, no free oil, no odor, poor fluorescence, good bluish/white milky cut

Lansing 4184 -875

limestone, light gray, chalky oolitic to bioclastic and fossiliferous, few specimens oolitic with fair inter-oolite porosity, abundant dense limestone a.a., no shows

limestone, gray fossiliferous, dense, no show

C zone - dolomitic limestone to dolomite, white to cream, cryptocrystalline, recrystallized fossiliferous, dense, no visible porosity, no shows, fairly even green fluorescence

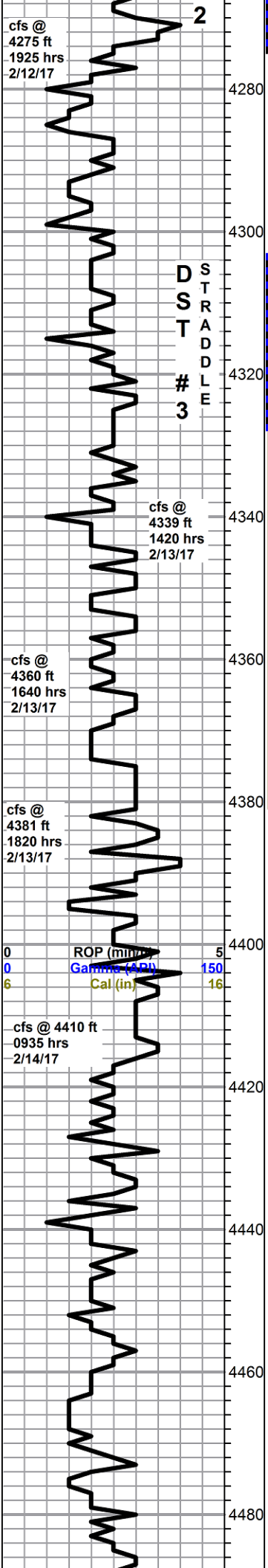
D zone - dolomitic limestone, gray to light gray, cryptocrystalline, lithographic with some scattered light gray spongy bioclastic with pin-point porosity, no show, abundant chert

E zone - limestone white, bioclastic, fairly dense, poor visible porosity, speckled black saturated staining, trace free oil, some oil droplets on break, no odor, fair even fluorescence, slow streaming cut with instant halo

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

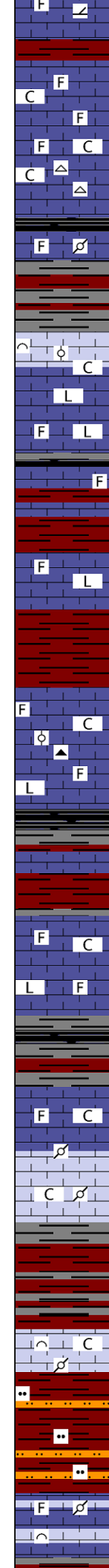
DST #2 4243 -4275
 30-45-25-5
 rec. 15' OSWCM
 IFP 14-17#
 FFP 18-18#
 ISIP 1171#
 FSIP 170#
 HSH 1999-1994#
 BHT 110 deg F

D
S
T
#



D
S
T
R
A
D
D
L
E

3



F zone - limestone and dolomitic limestone, light gray, crypto-microcrystalline, fossiliferous to sub-lithographic, dense to chalky, trace pyritic, no shows

limestone, light gray, mostly cryptocrystalline, fossiliferous, poor visible porosity, trace pyritic, abundant chalk in samples, no shows

a.a. with some darker gray limestone an influx gray to gray frosted cherts, sharp, fresh, no shows

Muncie Creek 4298 -989
shale, black carbonaceous

limestone, brown mottled and gray mottled, fossiliferous to sub-pelletal, chalky to very dense, no visible porosity, no shows

H zone - limestone, cream, oolitic-bioclastic fossiliferous, mostly recrystallized, chalky in part, some fair interclast porosity with few vugs, saturated to spotty black to brown stain, show oil on break, slight sheen in tray, fleeting odor in wet cup, fair instant cut with halo and bright milky slow streaming cut

grades to limestone, cream to light gray, cryptocrystalline lithographic to fossiliferous, mostly dense, some chalk, show rocks above drop out

30 min sample, darker gray, mostly fossiliferous

limestone, light gray, cryptocrystalline lithographic and microcrystalline, sub-sucrosic, fossiliferous, dense, hard, no show

J zone - limestone, mixed, variable gray and some brown, crypto-microcrystalline fossiliferous to lithographic, mostly dense, some chalky, with some scattered fine oolitic, dense to chalky, poor visible porosity, no shows, trace gray chert

Stark Shale 4381 -1072
black shale

limestone, gray, grainy dense bioclastic, poor visible porosity, no show

limestone, cream and light gray, microcrystalline, chalky, fossiliferous, some fractures otherwise no visible porosity, no show

cfs sample grades to limestone, dark gray, microcrystalline, arenaceous to fossiliferous, dense and cryptocrystalline, dense lithographic, no shows

mixed shales abundant black

limestone, gray/green, cryptocrystalline, fossiliferous, some maroon blotches, dense

4440 influx limestone, gray/green, pelletal-fossiliferous, chalky, poor visible porosity, no shows

limestone, gray, pelletal to bioclastic, chalky, abundant chalk, no shows

Base KC 4460 -1151
4480 and 90 samples, flood brick red silty shale and siltstone

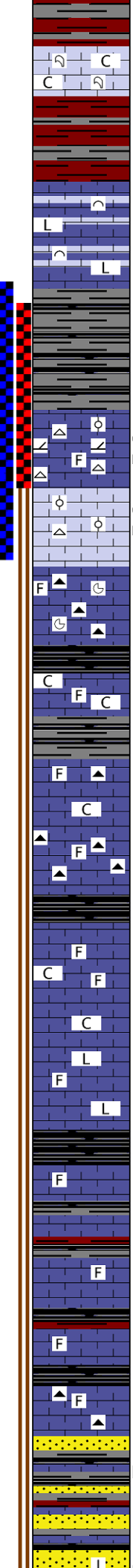
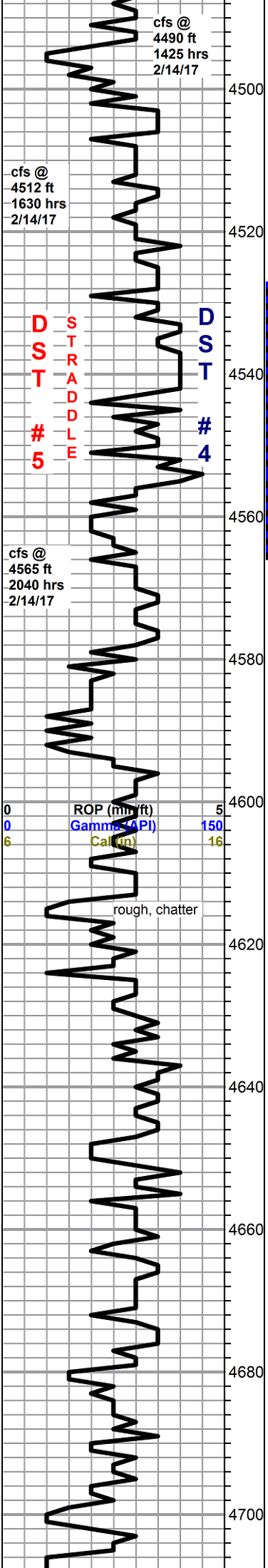
Marmaton 4477 -1168
limestone, variable gray and lavender, micro-cryptocrystalline, arenaceous/argillaceous to lithographic and slightly fossiliferous, some cream to light gray, pelletal/bioclastic, chalky in part, poor visible porosity, no shows

BHT 119 deg F

DST #3 4303 -4328 (straddle)
30-60-20-10
rec. 40' mud
IFP 28-33#
FFP 35-38#
ISIP 1296#
FSIP 873#
HSH 2029-2023#
BHT 121 deg F

Universal Fluid mud chk @ 4381 ft.
1915 hrs. 2/13/17
Vis. 48 Wt. 9.2
PV 11 YP 19
WL 9.3
Cake 2/32,
pH 8.0
CHL 1900 ppm
Ca 20 ppm
Sol 4.2% LCM 2#
DMC \$0.00
CMC \$11474.01

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



limestone, cream, bioclast of primarily coral fragments, some large loose frags and coral fans, some good porosity, barren, flood chalk in samples, cfs sample influx cream to light gray and tan pelletal, no shows

limestone, light gray to cream, dense bioclastic, with cream and light gray chert, limestone, light gray to gray, cryptocrystalline, lithographic to sub-lithographic, some gray arenaceous limestone, no shows

4550 sample, flood black and dark gray shale

Pawnee 4545 -1236

4560 sample, shale a.a. with limestone, dolomitic, cream to light gray, crypto-microcrystalline, recrystallized fossiliferous and oolitic to sub-lithographic, very cherty, some small solution vugs, fair interclast porosity, appx 50% sample with varying degrees of staining, slight show free oil, good odor, fair show on break, fair to light fluorescence, good to excellent cut, abundant boney to smokey gray chert, sharp, fresh

4565 sample, a.a. decrease in shale and slight decrease in show
 4565 30 min, limestone, light gray, fine oolitic to sub-oomoldic, fairly mature oolites, good interoolite porosity, saturated stain, fair show free oil and good sheen, good odor, fair fluorescence, excellent cut, decrease in cherts, 60 min sample, same as previous limestone, sample trashy, abundant mixed limestones and shales

limestone, gray to dark gray and light brown, mottled, very fossiliferous and partly re-crystallized with ammonites, very dense, dark gray chert, spiculitic with ammonites, no shows

limestone, cream, chalky fossiliferous, poor visible porosity, abundant chalk in samples, with black carbonaceous shale, no shows

a.a. with mixed fossiliferous limestone, gray/black/brown shale, some with small clastic layers, trace smokey-frosted light gray fossiliferous chert, no shows 4620 sample - grades to limestone, cream to light gray, micro-cryptocrystalline, chalky but dense, fossiliferous, no visible porosity, flood frosted light gray fossiliferous chert, no shows

Cherokee (field pick) 4613 -1304

flood black carbonaceous shale with:
 limestone, cream to tan, cryptocrystalline with secondary calcite, fossiliferous, chalky texture, dense and very cherty to brittle

a.a. carrying abun variable shales with influx cream to light gray sub-lithographic dense limestone

limestone, dark gray, slightly mottled cryptocrystalline, sub-lithographic to fossiliferous, cherty and dense, no shows

True Cherokee

shale, black carbonaceous
 limestone, light gray, mostly cryptocrystalline, fossiliferous, some secondary calcite and calcite seams, fairly dense and cherty, some chalk with scattered black, gray and red/brown shale, no shows

4700 sample, primarily limestones a.a. with abundant light gray cherts, sharp, fresh

4710 sample, conglomerate? mixed gray fossiliferous limestones, some weathered, few pieces with black tarry residue, slow milky cut, mixed gray, green and lavender shales, sandstone, dirty gray/brown, very fine to fine grain, angular to rounded, poorly sorted, glauconitic, micaceous, well cemented, calcareous, barren, poor visible porosity, some orange chert and pyrite, no show free oil and no odor in samples trace fluorescence

4719 sample, sandstone, quartz, frosted to white, very fine to medium

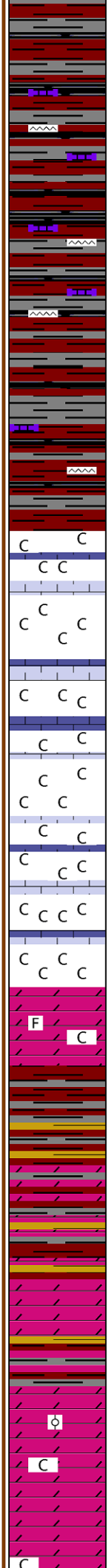
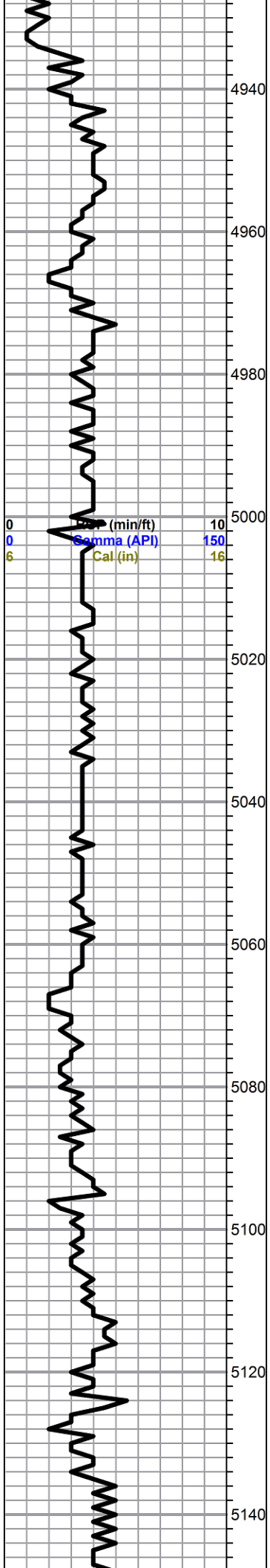
DST #5 4530-4556 (straddle)
 30-60-30-60
 rec. 40 ft mud
 IFP 40-43#
 FFP 41-41#
 ISIP 54#
 FSIP 45#
 HSH 2213-2184#
 BHT 130 deg F

DST #4 4527-4565
 15-60-30-90
 rec. 365' MW, 252'
 SLOCMW, 1008'
 OCMW, 1134'
 SLOCSLMCW
 IFP 455-783#
 FFP 829-1329#
 ISIP 1433#
 FSIP 1426#
 HSH 2148-2134#
 BHT 141 deg F

Universal Fluid
 mud chk
 @ 4525 ft.
 1930 hrs. 2/14/17
 Vis. 57 Wt. 9.0
 PV 11 YP 15
 WL 7.7
 Cake 2/32,
 pH 11.0
 CHL 1200 ppm
 Ca 40 ppm
 Sol 3.8% LCM 4#
 DMC \$1444.58
 CMC \$12918.59

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

Universal Fluid



all shales a.a. marked increase in black shale, with some scattered gray and cream chalky oolitic limestone and some chert a.a. (cavings?)

samples change abruptly to chalk, white, appx. 80%, with 20% limestone, light gray, microcrystalline, fossiliferous to oolitic, dense, no porosity or shows

Arbuckle 5066 -1757

dolomite, gray to dark gray, microcrystalline, sub-sucrosic to some fine crystalline sub-rhombic, some recrystallized fossiliferous, few scattered vugs, very dense, abundant chalk/caliche, no shows

5090 sample a.a. with flood maroon and gray mottled shale, abundant lavender

a.a. with flood olive shale

shale a.a. with influx dolomite, light gray, microcrystalline, sub-sucrosic, very dense, few scattered small vugs, no shows

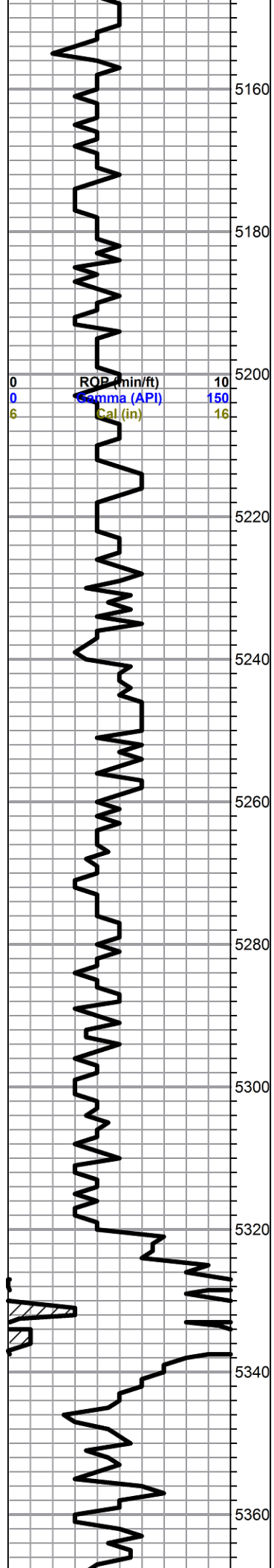
dolomite, a.a.

5130 sample, mostly shale a.a.

dolomite, light gray, micro-very fine crystalline, rhombic to sub-rhombic, with recrystallized rhombs and oolites, poor visible porosity, abundant caliche, no shows

a.a., some nice rhombic with vugs

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



dolomite a.a. with influx white boney chert, some slightly tripolitic

dolomite, variable gray and tan, some with glauconite specs, micro-fine crystalline, rhombic to recrystallized, some arenaceous, some lithographic, poor visible porosity, some caliche, no shows, chert drops out

dolomite, variable gray to tan and pale green, mixed crystalline, abundant sandy dolomite, increasingly glauconitic, some sandstone stringers, quartz, very fine grain, rounded, fair to well sorted, glauconitic, poor visible porosity, well cemented

a.a. with influx purple and lavender shale

5290 sample, shaley conglomerate, mostly lavender and purple with red/brown shales with green, gray, black, brick and olive, with: mixed sandstones, mostly glauconitic and dolomites a.a.

5300 sample, increase in dolomite a.a.

5310 sample, mix shale and dolomite a.a. with influx white boney chert and caliche

5320 sample, mostly shales a.a., dolomite a.a. with influx white fine crystalline rhombic, glauconitic, sandstone drops out

Reagan equivalent?

dolomitized granite wash/sandstone mix - pink to white and pale green, diagenic matrix of feldspars white (plagioclase) and pink (orthoclase), recrystallized white and pink dolomite, rounded fine to very fine quartz sand grains (up to 50% of matrix, abundant chlorite and/or glauconite grains and nodules (up to 10%), pyrite, slowly dissolves in HCl, leaving quartz grains, glauc/chlorite and some pink feldspar, very dense and well cemented to slightly friable

5335 sample - dolomite, dirty gray, light gray, tan and white, mixed crystalline, some arenaceous, some lithographic, trace chert, some glauconitic and sandy, very dense, no shows 5340 & 5345 & 5350 samples mix of above with influx abundant shales

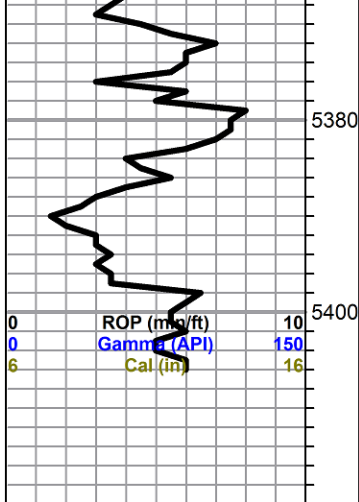
Pre-Cambrian 5343 -2034

@ 5343-granite wash - mostly mixed shales, with quartz shards and quartz granite, little feldspar, abundant biotite, some muscovite, some mixed cherty gray limestone fragments - (5360 & 70 samples)

Universal Fluid
mud chk
@ 5160 ft.
0015 hrs.
2/17/17
Vis. 67 Wt. 9.1
PV 12 YP 30
WL 9.4
Cake 2/32,
pH 9.5
CHL 800ppm
Ca 60 ppm
Sol **% LCM 4#
DMC \$1429.73
CMC \$15978.51

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

5 ft. samples
5325-5350



5380 sample, a.a., mostly shales, cavings? 99%, shale primarily red/brown platy, brittle, and olive, blocky

granite top 5382

5390 sample, increase in feldspar rich vs. quartz granite, total granite content increase, shales decreases to appx 60% granite, pink feldspar, quartz, biotite,

TD and cfs sample, switched back to more quartz dominant granite, very little feldspar, still carrying abundant shale from above

Rotary Total Depth 5406 ft @ 2110 hrs 2/17/17
Pioneer Wireline TD 5410 ft
complete logging operations 1530 hrs 2/18/17

Universal Fluid
 mud chk
 @ 5406 ft.
 2115 hrs. 2/17/17
 Vis. 58 Wt. 9.1
 PV 15 YP 23
 WL 8.8
 Cake 2/32,
 pH 9.5
 CHL 900 ppm
 Ca 60 ppm
 Sol ***% LCM 4#
 DMC \$1074.20
 CMC \$17052.71

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