

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1357354
OIL & GAS CONSERVATION DIVISION

Form ACO-1
November 2016

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 Date Reached TD Completion Date or
Recompletion Date 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: _____

1357354

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)</i> <i>(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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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 1878

Date	Sec.	Twp.	Range	County	State	On Location	Finish
5-28-17	23	15	17	Ellis	KS		7:00 PM
Location <i>Victoria S Chetolah Gold 1 1/2 W Sine</i>							
Lease <i>Hoffman</i>		Well No. <i>E1</i>		Owner			
Contractor <i>W W #4</i>		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.					
Type Job <i>Surface</i>		Charge To <i>Jason O:l</i>					
Hole Size <i>12 1/4</i>	T.D. <i>1166</i>		Street				
Csg. <i>8 5/8</i>	Depth		City				
Tbg. Size	Depth		State				
Tool	Depth		The above was done to satisfaction and supervision of owner agent or contractor.				
Cement Left in Csg. <i>37.31</i>	Shoe Joint <i>37.31</i>		Cement Amount Ordered <i>450 80/20 3 1/8 cc 2 1/2 Gel</i>				
Meas Line	Displace <i>71 3/4 bbl</i>						
EQUIPMENT				Common <i>360</i>			
Pumptrk <i>5</i>	No.	Cementer	Poz. Mix <i>90</i>				
		Helper <i>Brett</i>					
Bulktrk <i>1</i>	No.	Driver <i>Craig</i>	Gel. <i>9</i>				
		Driver <i>Doug</i>	Calcium <i>16</i>				
JOB SERVICES & REMARKS				Hulls			
Remarks:				Salt			
Rat Hole				Flowseal			
Mouse Hole				Kol-Seal			
Centralizers				Mud CLR 48			
Baskets				CFL-117 or CD110 CAF 38			
D/V or Port Collar				Sand			
Ran <i>1166' 8 5/8 est cir</i>				Handling <i>475</i>			
Mixed <i>450 sks 80/20</i>				Mileage <i>8 5/8</i>			
Displaced <i>71 3/4 bbl Landat @ 800</i>				FLOAT EQUIPMENT			
Cement did circulate!				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Baffle Plate-1			
				Pumptrk Charge <i>Long Surface</i>			
				Mileage <i>-15</i>			
				Tax			
				Discount			
				Total Charge			
Signature <i>Watt Brown</i>							

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 1880

Date	Sec.	Twp.	Range	County	State	On Location	Finish
6-2-17	23	15	17	Ellis	KS		11:45 AM
Lease Hoffman				Well No. #1		Owner	
Contractor WW #4				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.			
Type Job Production String				Charge To Jason Oil			
Hole Size 7 7/8		T.D.		Street			
Csg. 5 1/2		Depth 3592.42		City			
Tbg. Size		Depth		State			
Tool		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
Cement Left in Csg. 42.52		Shoe Joint 42.52		Cement Amount Ordered 180 ^{70/30} 10% salt 5% gilson			
Meas Line		Displace 84 1/2 bbl		Common 130			
EQUIPMENT				Poz. Mix 50			
Pumptrk 5		No. Cementer Helper Brett		Gel.			
Bulktrk		No. Driver Craig		Calcium			
Bulktrk 15		No. Driver Tony		Hulls			
JOB SERVICES & REMARKS				Salt 15			
Remarks:				Flowseal			
Rat Hole - 30sx				Kol-Seal 800#			
Mouse Hole				Mud CLR 48 - 500 gal			
Centralizers - 1, 4, 7, 10, 13				CFL-117 or CD110 CAF 38			
Baskets				Sand			
D/V or Port Collar				Handling 283			
Ran 3592' 5 1/2 casing + Est. cir				Mileage 5 1/2			
Plug Bar hole w/ 30 sx				FLOAT EQUIPMENT			
Mix 150 sx down hole				Guide Shoe			
Displaced 84 1/2 bbl H ₂ O				Centralizer - 5			
Lift pressure				Baskets			
Landed Plug @				AFU Inserts			
				Float Shoe - 1			
				Latch Down - 1			
				Pumptrk Charge prod String			
				Mileage 15			
				Tax			
				Discount			
				Total Charge			
Signature <i>Watt Brown</i>							

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 1880

Date	6-2-17	Sec.	23	Twp.	15	Range	17	County	Ellis	State	KS	On Location		Finish	11:45 AM
								Location							
								Victoria S to Chetola Gold 1 1/2 W S 1/4							

Lease	Hoffman	Well No.	#1	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.
Contractor	WW #4			Charge To	Jason O:1
Type Job	Production String			Street	
Hole Size	7 7/8	T.D.		City	State
Csg.	5 1/2	Depth	3592.42	The above was done to satisfaction and supervision of owner agent or contractor.	
Tbg. Size		Depth		Cement Amount Ordered	180 ^{70/30} 10% salt 5% gilson
Tool		Depth			
Cement Left in Csg.	42.52	Shoe Joint	42.52		
Meas Line		Displace	84 1/2 bbl		

EQUIPMENT

Pumptrk	5	No.	Cement Helper	Brett	Common	130 130
Bulktrk		No.	Driver	Craig	Poz. Mix	50
Bulktrk	15	No.	Driver	Tony	Gel.	
					Calcium	

JOB SERVICES & REMARKS

Remarks:		Hulls	
Rat Hole	-30sx	Salt	15
Mouse Hole		Flowseal	
Centralizers	-1,4,7,10,13	Kol-Seal	800#
Baskets		Mud CLR 48	-500 gal
D/V or Port Collar		CFL-117 or CD110 CAF 38	
		Sand	
		Handling	203
Ran 3592' 5 1/2 casing + Est. cir		Mileage	5 1/2
Plug Bar hole w/ 30 sx		FLOAT EQUIPMENT	
Mix 150 sx down hole		Guide Shoe	
Displaced 84 1/2 bbl H ₂ O		Centralizer	-5
		Baskets	
Lift pressure		AFU Inserts	
Landed Plug @		Float Shoe	-1
		Latch Down	-1
		Pumptrk Charge	prod string
		Mileage	15

X Signature *Watt Beane*

Tax	
Discount	
Total Charge	



Company _____ Lease & Well No. _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ Range _____ County _____ State _____
Test Approved By _____ Diamond Representative _____

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft
Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ psi.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor _____ Drill Collar Length _____ ft I.D. _____ in.
Mud Type _____ Viscosity _____ Weight Pipe Length _____ ft I.D. _____ in.
Weight _____ Water Loss _____ cc. Drill Pipe Length _____ ft I.D. _____ in.
Chlorides _____ P.P.M. Test Tool Length _____ ft Tool Size _____ in.
Jars: Make _____ Serial Number _____ Anchor Length _____ ft. Size _____ in.
Did Well Flow? _____ Reversed Out _____ Surface Choke Size _____ in. Bottom Choke Size _____ in.
Main Hole Size _____ in. Tool Joint Size _____ in.

Blow: _____

Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks _____

Time Set Packer(s) _____ Time Started off Bottom _____ Maximum Temperature _____
Initial Hydrostatic Pressure.....(A) _____ P.S.I.
Initial Flow Period.....Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period.....Minutes _____ (D) _____ P.S.I.
Final Flow Period.....Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period.....Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure.....(H) _____ P.S.I.



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

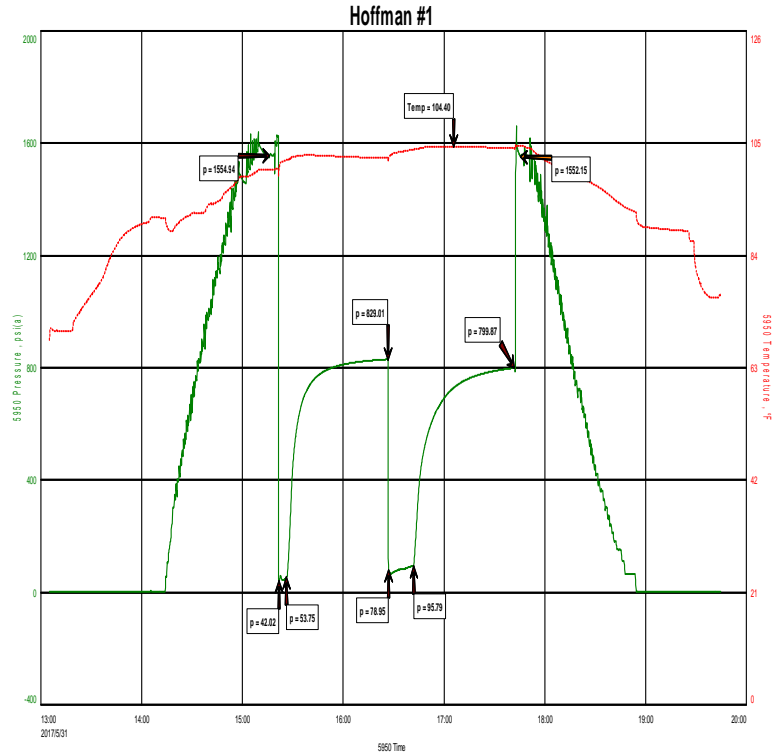
Hoisington, Kansas

General Information

Company Name Jason Oil Company, LLC

Contact Sheldon Weigel
Well Name Hoffman #1
Unique Well ID Dst #1 Lans/KC "F" 3310-3340'
Surface Location Sec 23-15s-17w Ellis County
Field Wildcat
Well Type Vertical
Test Type Drill Stem Test
Well Operator Jason Oil Company, LLC

Formation Dst #1 Lans/KC "F" 3310-3340'
Well Fluid Type 01 Oil
Test Purpose Initial Test
Start Test Date 2017/05/31
Start Test Time 13:05:00
Final Test Time 19:45:00
Job Number P0183
Report Date 2017/05/31
Prepared By Michael Carroll



TEST RECOVERY

Remarks Recovery:	1317'	Gas In Pipe				
	35'	Clean Oil	Gravity: 29 @ 60 Degrees			
	168'	GW&MCO	12% G	53% O	15% W	20% M
	30'	SOCMCW	6% O	80% W	14% M	
	233'	Total Fluid				

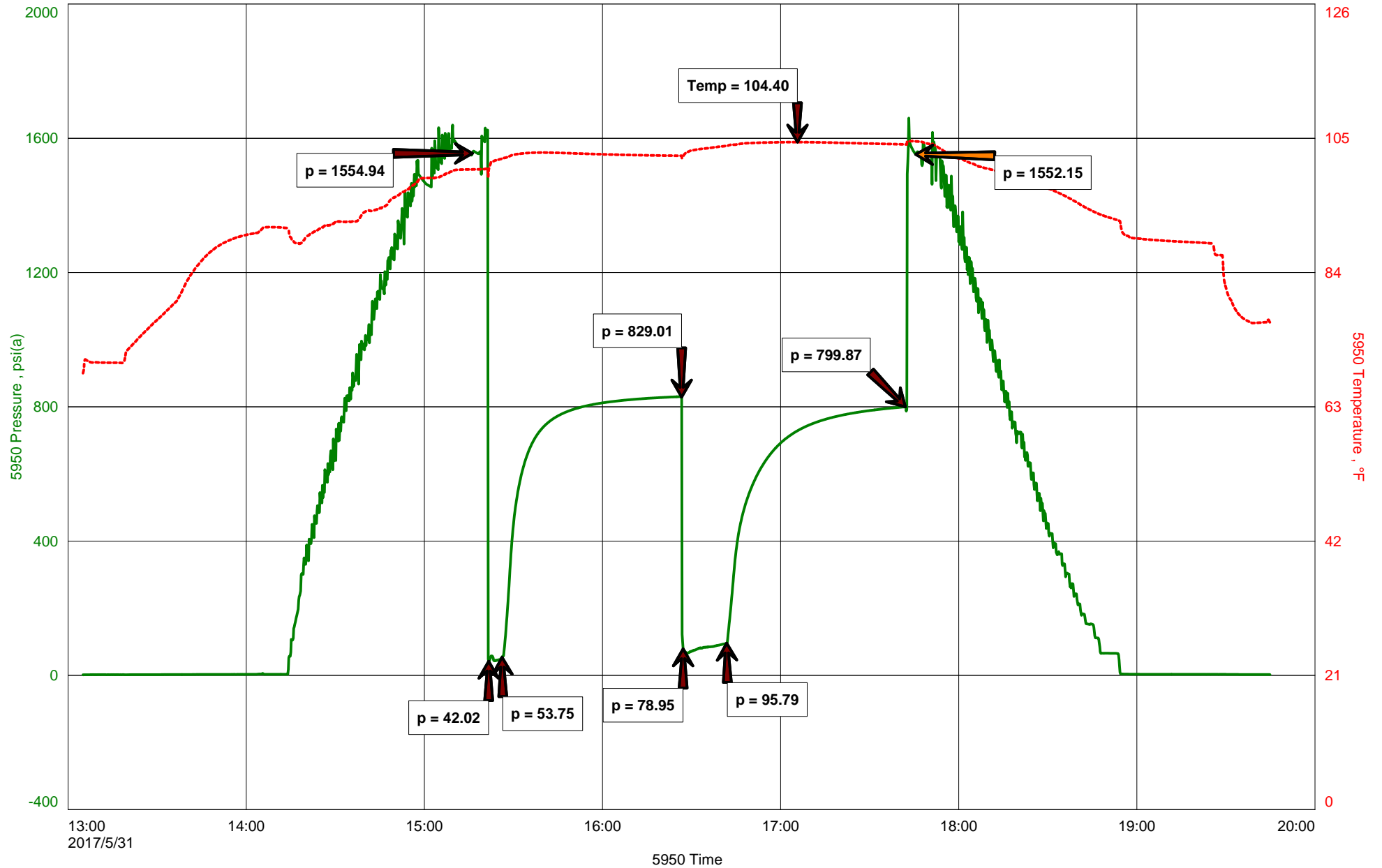
Tool Sample: Unavailable-Shut In Tool Full Of Cuttings

Chlorides: 65,000 PPM
PH: 7
RW: .14 @ 70 Degrees

Jason Oil Company, LLC
Dst #1 Lans/KC "F" 3310-3340'
Start Test Date: 2017/05/31
Final Test Date: 2017/05/31

Hoffman #1
Formation: Dst #1 Lans/KC "F" 3310-3340'
Pool: Infield
Job Number: P0183

Hoffman #1





Company _____ Lease & Well No. _____
Elevation _____ Formation _____ Effective Pay _____ Ft. Ticket No. _____
Date _____ Sec. _____ Twp. _____ Range _____ County _____ State _____
Test Approved By _____ Diamond Representative _____

Formation Test No. _____ Interval Tested from _____ ft. to _____ ft. Total Depth _____ ft
Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
Packer Depth _____ ft. Size _____ in. Packer Depth _____ ft. Size _____ in.
Depth of Selective Zone Set _____ ft.

Top Recorder Depth (Inside) _____ ft. Recorder Number _____ Cap. _____ psi.
Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ psi.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ psi.

Drilling Contractor _____ Drill Collar Length _____ ft I.D. _____ in.
Mud Type _____ Viscosity _____ Weight Pipe Length _____ ft I.D. _____ in.
Weight _____ Water Loss _____ cc. Drill Pipe Length _____ ft I.D. _____ in.
Chlorides _____ P.P.M. Test Tool Length _____ ft Tool Size _____ in.
Jars: Make _____ Serial Number _____ Anchor Length _____ ft. Size _____ in.
Did Well Flow? _____ Reversed Out _____ Surface Choke Size _____ in. Bottom Choke Size _____ in.
Main Hole Size _____ in. Tool Joint Size _____ in.

Blow: _____

Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____
Recovered _____ ft. of _____

Remarks _____

Time Set Packer(s) _____ Time Started off Bottom _____ Maximum Temperature _____
Initial Hydrostatic Pressure.....(A) _____ P.S.I.
Initial Flow Period.....Minutes _____ (B) _____ P.S.I. to (C) _____ P.S.I.
Initial Closed In Period.....Minutes _____ (D) _____ P.S.I.
Final Flow Period.....Minutes _____ (E) _____ P.S.I. to (F) _____ P.S.I.
Final Closed In Period.....Minutes _____ (G) _____ P.S.I.
Final Hydrostatic Pressure.....(H) _____ P.S.I.



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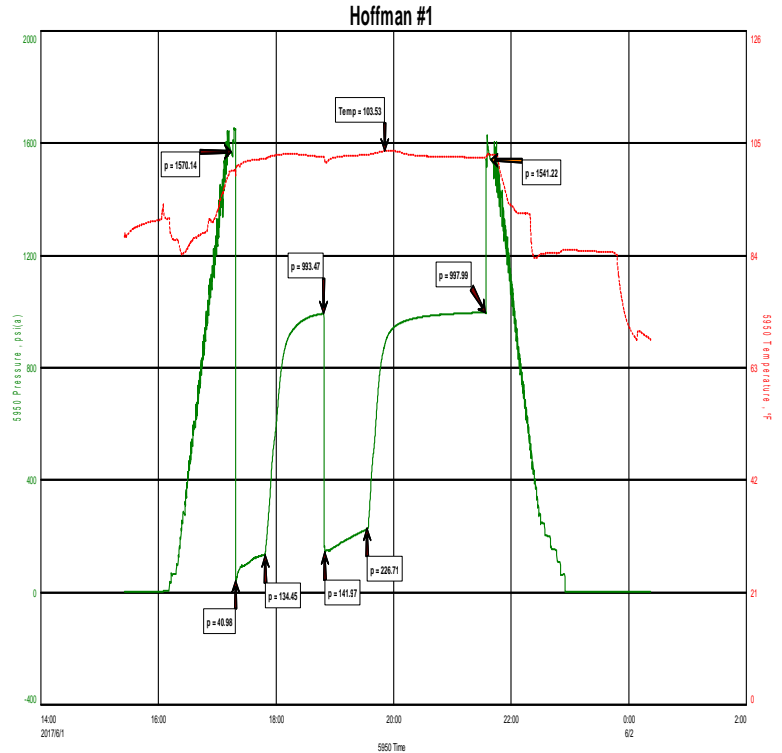
Hoisington, Kansas

General Information

Company Name Jason Oil Company, LLC

Contact Sheldon Weigel
Well Name Hoffman #1
Unique Well ID Dst #2 Lans "A-D" 3230-3307-3608'
Surface Location Sec 23-15s-17w Ellis County
Field Wildcat
Well Type Vertical
Test Type Drill Stem Test
Well Operator Jason Oil Company, LLC

Formation Dst #2 Lans "A-D" 3230-3307-3608'
Well Fluid Type 01 Oil
Test Purpose Initial Test
Start Test Date 2017/06/01
Start Test Time 15:25:00
Final Test Time 00:22:00
Job Number P0184
Report Date 2017/06/01
Prepared By Michael Carroll



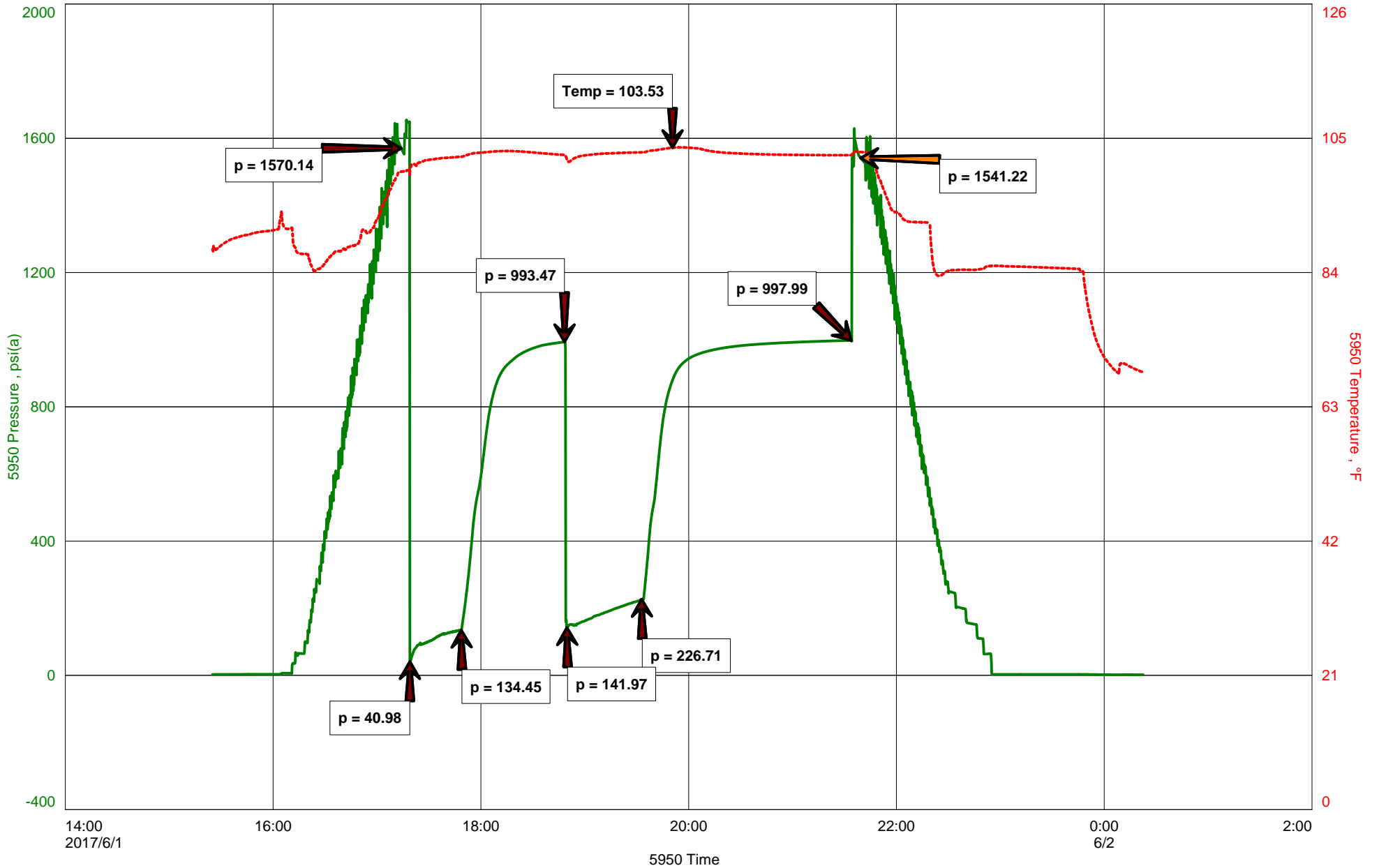
TEST RECOVERY

Remarks	Recovery:	Gas To Surface Too Weak To Measure
	35'	OCM 4% O 96% M
	248'	MCO 85% O 15% M
	124'	Clean Oil Gravity: 28 @ 60 Degrees
	183'	G&MCO 15% G 70% O 15% M
	590'	Total Fluid
Tool Sample:	60% O	10% W 30% M

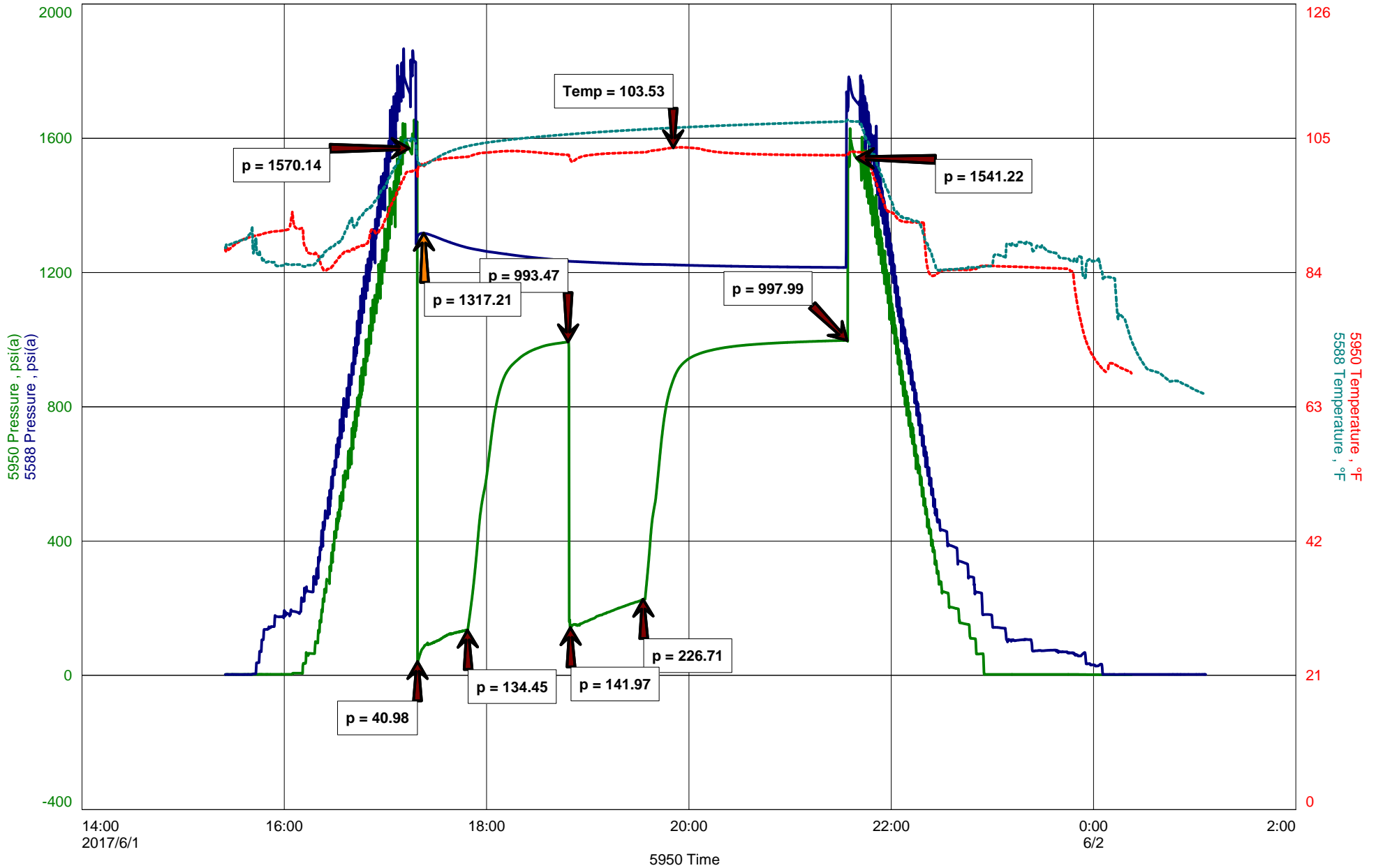
JASON OIL COMPANY, LLC
HOFFMAN #1
DST #2 LANSING "A-D"
3,230 - 3,307 TD 3,608'

<u>DESCRIPTION</u>	<u>SECOND READING</u>	<u>FIRST READING</u>	<u>PRESSURE CHANGE</u>	<u>DRILL- PIPE SIZE-ID</u>	<u>FLUID GRADIENT</u>	<u>TIME CHANGE</u>	<u>TOTAL TIME</u>	<u>DAILY PRODUCTION</u>	<u>AVERAGE PERCENTAGE OIL</u>	<u>ESTIMATED DAILY PRODUCTION</u>
FINAL FLOW	227	142	85	0.01423	0.384	45	1440	101	89.04%	90

Hoffman #1



Hoffman #1



OPERATOR

Company: JASON OIL COMPANY, LLC
 Address: 3718 183RD ST
 P.O. BOX 701
 RUSSELL, KS 67665
 Contact Geologist: SHELDON WEIGEL
 Contact Phone Nbr: (785) 483-4204
 Well Name: HOFFMAN #1
 Location: NW NW NE Sec. 23 - 15S - 17W
 API: 15-051-26876
 Pool:
 State: KANSAS
 Field: UNNAMED
 Country: USA

Scale 1:240 Imperial

Well Name: HOFFMAN #1
 Surface Location: NW NW NE Sec. 23 - 15S - 17W
 Bottom Location:
 API: 15-051-26876
 License Number: 33813
 Spud Date: 5/26/2017 Time: 8:15 PM
 Region: ELLIS COUNTY KANSAS
 Drilling Completed: 6/1/2017 Time: 8:34 AM
 Surface Coordinates: 330' FNL & 2310' FEL
 Bottom Hole Coordinates:
 Ground Elevation: 1957.00ft
 K.B. Elevation: 1962.00ft
 Logged Interval: 2850.00ft To: 3560.00ft
 Total Depth: 3600.00ft
 Formation: LANSING - KANSAS CITY; ARBUCKLE
 Drilling Fluid Type: FRESH WATER / CHEMICAL GEL

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: -99.1791703
 Latitude: 38.7397095
 N/S Co-ord: 330' FNL
 E/W Co-ord: 2310' FEL

LOGGED BY

Company: BIG CREEK CONSULTING, INC.
 Address: 1909 MAPLE
 ELLIS, KS 67637
 Phone Nbr: (785) 259-3737
 Logged By: GEOLOGIST Name: JEFF LAWLER

CONTRACTOR

Contractor: WW DRILLING
 Rig #: 4
 Rig Type: MUD ROTARY
 Spud Date: 5/26/2017 Time: 8:15 PM
 TD Date: 6/1/2017 Time: 8:34 AM

LOGGED BY



Company: BIG CREEK CONSULTING, INC.
 Address: 1909 MAPLE ELLIS, KS 67637
 Phone Nbr: (785) 259-3737
 Logged By: GEOLOGIST Name: JEFF LAWLER

CONTRACTOR

Contractor: WW DRILLING
 Rig #: 4
 Rig Type: MUD ROTARY
 Spud Date: 5/26/2017 Time: 8:15 PM
 TD Date: 6/1/2017 Time: 8:34 AM
 Rig Release: 6/2/2017 Time: 12:00 PM

ELEVATIONS

K.B. Elevation: 1962.00ft Ground Elevation: 1957.00ft
 K.B. to Ground: 5.00ft

NOTES

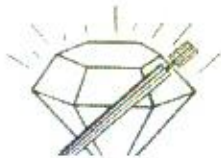
DUE TO ECONOMICAL RECOVERY ON BOTH DST'S IT WAS DECIDED TO RUN 5 1/2" PRODUCTION CASING AND FURTHER EVALUATE ZONES OF INTEREST WITH PERFORATION.

RESPECTFULLY SUBMITTED,
 JEFF LAWLER

WELL COMPARISON SHEET

FORMATION	HOFFMAN #1						SAMUAL GARY JR & ASSOC.						SAMUAL GARY JR & ASSOC.						S. P. NIXON OPERATIONS					
	1962			1957			1954			1952			1955			1956			1956					
	LOG TOPS		SAMPLE TOPS		COMP. CARD		LOG		SMPL.		COMP. CARD		LOG		SMPL.		COMP. CARD		LOG		SMPL.			
	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM		
ANHYDRITE TOP			1091	871	1097	857			1091	861			1085	868			1088	858			1098	858		
ANHYDRITE BASE			1131	829	1122	832			1129	829			1119	834			1131	829			1131	829		
IQPIKA	2980	1018	2981	1019	2902	1008	10	11					2963	1010	8	9	2958	1012	6	7				
NEEDLER	3203	1241	3201	1239	3187	1233	8	6	3207	1255	14	10	3189	1236	5	3	3196	1240	1	1				
TORONTO	3223	1261	3220	1258	3205	1251	10	7	3226	1274	15	16												
DOUGLE SHALE					3219	1265							3222	1269										
LKC	3251	1289	3250	1288	3235	1281	8	7	3256	1304	15	16	3238	1281	4	3	3244	1288	1	0				
BKC	3481	1519	3479	1517	3455	1501	18	16	3479	1527	8	10	3463	1510	9	7	3474	1518	1	1				
ARRUCKLE	3552	1590	3551	1589	3496	1542	48	47	3551	1599	0	10	3555	1602	12	13	3551	1595	5	6				
RTD	3600	1638	3600	1638	3604	1650	12	12	3605	1659	15	15					3528	1602	36	36				
LTD	3608	1640			3604	1650	4										3556	1600	46					

DST #1 LKC F 3310' - 3340'



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

TIME ON: 1305
 TIME OFF: 1945

Packer Depth 3300 ft. Size 6 3/4 in. Packer depth _____ ft. Size _____ in.
Packer Depth 3310 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
Depth of Selective Zone Set _____
Top Recorder Depth (Inside) _____ 3298 ft. Recorder Number 5950 Cap. 5000 P.S.I.
Bottom Recorder Depth (Outside) _____ 3314 ft. Recorder Number 5588 Cap. 6000 P.S.I.
Below Straddle Recorder Depth _____ ft. Recorder Number _____ Cap. _____ P.S.I.
Mud Type Chem Viscosity 65 Drill Collar Length 121 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 4000 P.P.M. Drill Pipe Length 3164 ft. I.D. 3 1/2 in.
Jars: Make STERLING Serial Number NA Test Tool Length 25 ft. Tool Size 3 1/2-IF in.
Did Well Flow? NO Reversed Out NO Anchor Length 30 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 1/2" BLOW-BUILT TO BOB IN 1 MINUTE 40 SECONDS NOBB
2nd Open: 3" BLOW-BUILT TO BOB IN 1 MINUTE BBBB

Recovered <u>1317</u> ft. of <u>GAS IN PIPE</u>	<u>CHLORIDES 65000 PPM</u>
Recovered <u>35</u> ft. of <u>CLEAN OIL GRAVITY 29 @ 60 DEGREES</u>	<u>RW 14 @ 70 DEGREES</u>
Recovered <u>168</u> ft. of <u>GCMCWCO 12%G 53%O 15%W 20%M</u>	<u>PH 7</u>
Recovered <u>30</u> ft. of <u>OCMCW 6%O 80%W 14%M</u>	
Recovered <u>233</u> ft. of <u>TOTAL FLUID</u>	Price Job
Recovered _____ ft. of _____	Other Charges
Remarks: <u>TOOL SAMPLE: UNAVAILABLE-SHUT IN TOOL FULL OF CUTTINGS</u>	Insurance
	Total

Time Set Packer(s) 3:20 P.M. A.M. Time Started Off Bottom 5:40 P.M. A.M. Maximum Temperature 104
Initial Hydrostatic Pressure _____ (A) 1555 P.S.I.
Initial Flow Period _____ Minutes 5 (B) 42 P.S.I. to (C) 54 P.S.I.
Initial Closed In Period _____ Minutes 60 (D) 829 P.S.I.
Final Flow Period _____ Minutes 15 (E) 79 P.S.I. to (F) 96 P.S.I.
Final Closed In Period _____ Minutes 60 (G) 800 P.S.I.
Final Hydrostatic Pressure _____ (H) 1552 P.S.I.

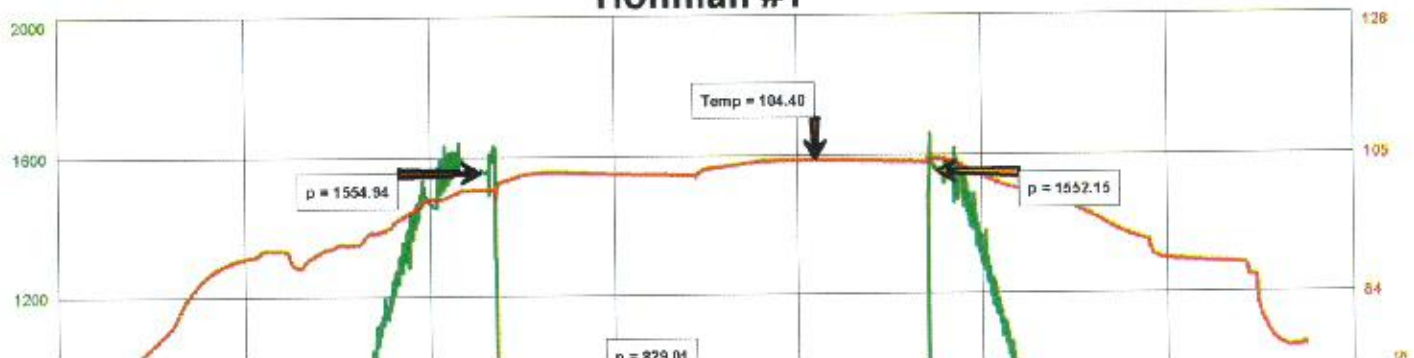
Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

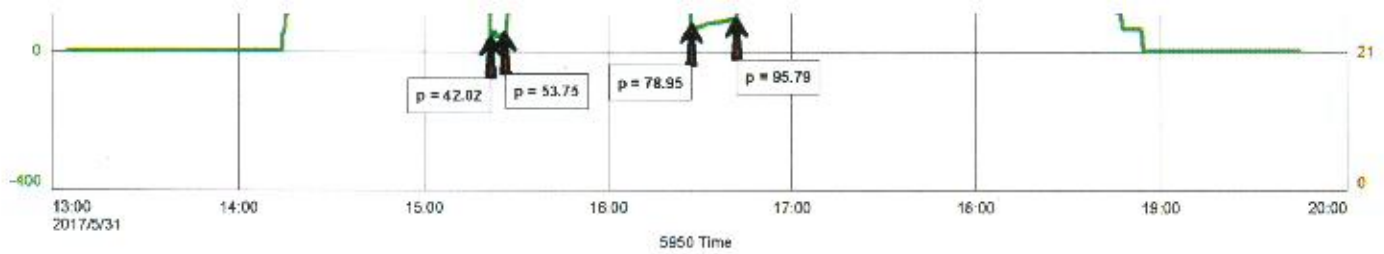
DST #1 LKC F 3310' - 3340'

Jason Oil Company LLC
DST #1 Lans/KC 'F' 3310-3340'
Start Test Date: 2017/05/31
Final Test Date: 2017/05/31

Hoffman #1
Formation: DST #1 Lans/KC 'F' 3310-3340'
Pool: Infield
Job Number: P0183

Hoffman #1





DST #2 LKC A-C 3230' - 3307' (STRADDLE)



DIAMOND TESTING
 P.O. Box 157
 HOISINGTON, KANSAS 67544
 (800) 542-7313
DRILL-STEM TEST TICKET
 FILE: HOFFMAN#1DST#2

TIME ON: 1525 6-1
 TIME OFF: 0022 6-2

Company JASON OIL COMPANY LLC Lease & Well No. HOFFMAN #1
 Contractor VWV DRLG RIG4 Charge to JASON OIL COMPANY LLC
 Elevation 1962KB Formation LANS A-D Effective Pay _____ Ft. Ticket No. P0184
 Date 06-01-17 Sec. 23 Twp. 15 S Range 17 W County ELLIS State KANSAS
 Test Approved By JEFF LAWLER Diamond Representative Michael Carroll

Formation Test No. 2 Interval Tested from 3230 ft. to 3307 ft. Total Depth 3608LTD ft.
 Packer Depth 3225 ft. Size 6 3/4 in. Packer depth 3307 ft. Size 6 3/4 in.
 Packer Depth 3230 ft. Size 6 3/4 in. Packer depth _____ ft. Size 6 3/4 in.
 Depth of Selective Zone Set _____

Top Recorder Depth (Inside) 3218 ft. Recorder Number 5950 Cap. 5000 P.S.I.
 Bottom Recorder Depth (Outside) _____ ft. Recorder Number _____ Cap. _____ P.S.I.
 Below Straddle Recorder Depth 3592 ft. Recorder Number 5588 Cap. 6000 P.S.I.

Mud Type Chem Viscosity 61 Drill Collar Length 121 ft. I.D. 2 1/4 in.
 Weight 9.1 Water Loss 8.0 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.
 Chlorides 7000 P.P.M. Drill Pipe Length 3385 ft. I.D. 3 1/2 in.
 Jars: Make STERLING Serial Number NA Test Tool Length 25 ft. Tool Size 3 1/2-IF in.
 Did Well Flow? NO Reversed Out NO Anchor Length 77(15A) 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 5 MINUTES 5 SECONDS BBBB
 2nd Open: 4" BLOW-BUILT TO BOB IN 2 MINUTES BBBB

Recovered _____ ft. of GAS TO SURFACE TO WEAK TO MEASURE
 Recovered 35 ft. of OCM 4%O 96%M
 Recovered 248 ft. of MCO 85%O 15%M
 Recovered 124 ft. of CLEAN OIL GRAVITY 28 @ 60 DEGREES

Recovered 183 ft. of GCMCO 15%G 70%O 15%M
 Recovered 590 ft. of TOTAL FLUID
 Remarks TOOL SAMPLE: 60%O 10%W 30%M
BELOW STRADDLE MAX PSI: 1317

Price Job
Other Charges
Insurance
Total

Time Set Packer(s) 5:15 P.M. A.M. P.M. Time Started Off Bottom 9:30 P.M. A.M. P.M. Maximum Temperature 104

Initial Hydrostatic Pressure _____ (A) 1570 P.S.I.
 Initial Flow Period _____ Minutes 30 (B) 41 P.S.I. to (C) 134 P.S.I.
 Initial Closed In Period _____ Minutes 60 (D) 993 P.S.I.

Initial Closed In Period.....	Minutes	60	(D)	41 P.S.I. b(C)	134 P.S.I.
Final Flow Period.....	Minutes	45	(E)	993 P.S.I.	
Final Closed In Period.....	Minutes	120	(G)	142 P.S.I. to (F)	227 P.S.I.
Final Hydrostatic Pressure.....			(H)	998 P.S.I.	1541 P.S.I.

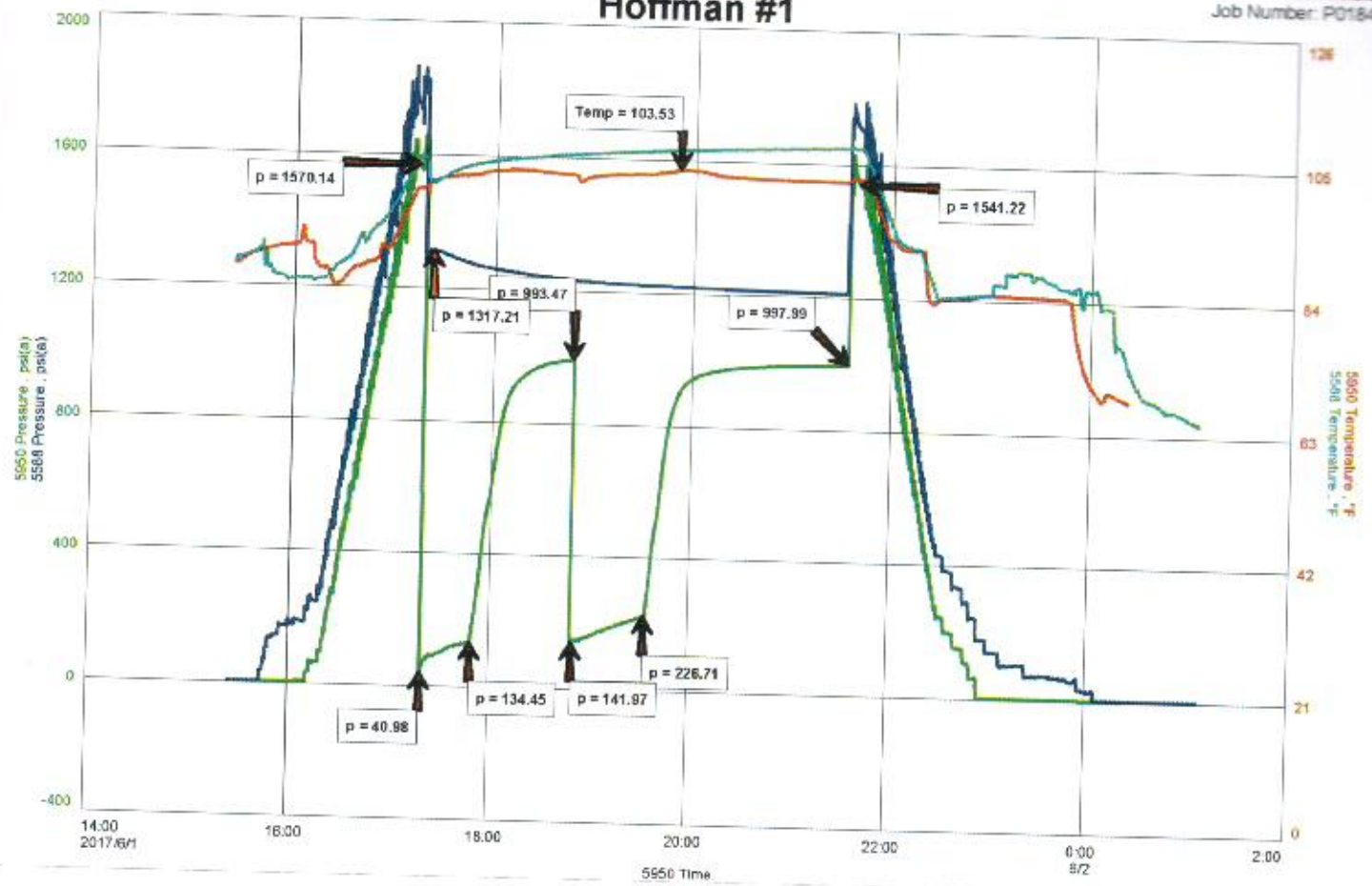
Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

DST #2 LKC A-C 3230' - 3307' (STRADDLE)

Jason Oil Company LLC
 Dst #2 Lans A-D 3230-3307'
 Start Test Date: 2017/06/01
 Final Test Date: 2017/06/02

Hoffman #1
 Formation: Dst #2 Lans A-D 3230-3307'
 Pool: Infield
 Job Number: P0184

Hoffman #1



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ROCK TYPES

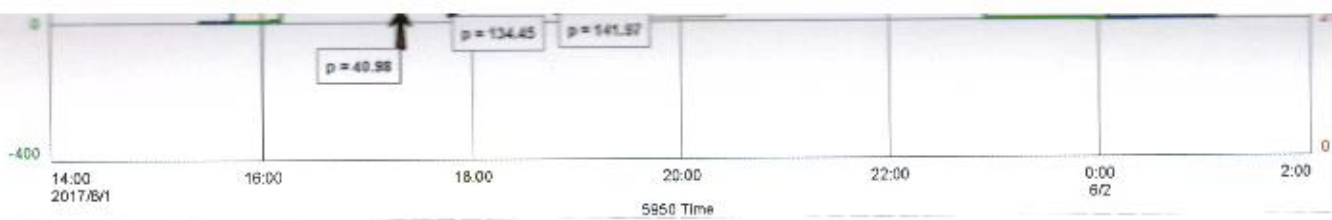
- | | | | | |
|---------|-----------|------------|------------|-------|
| Congl | Dolprim | shale, grn | Carbon Sh | Shcol |
| Chtcong | Lmst fw7> | shale, gry | shale, red | |

ACCESSORIES

- STRINGER**
- Chert
 - Dolomite

OTHER SYMBOLS

- DST**
- DST Int



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ROCK TYPES



ACCESSORIES

STRINGER

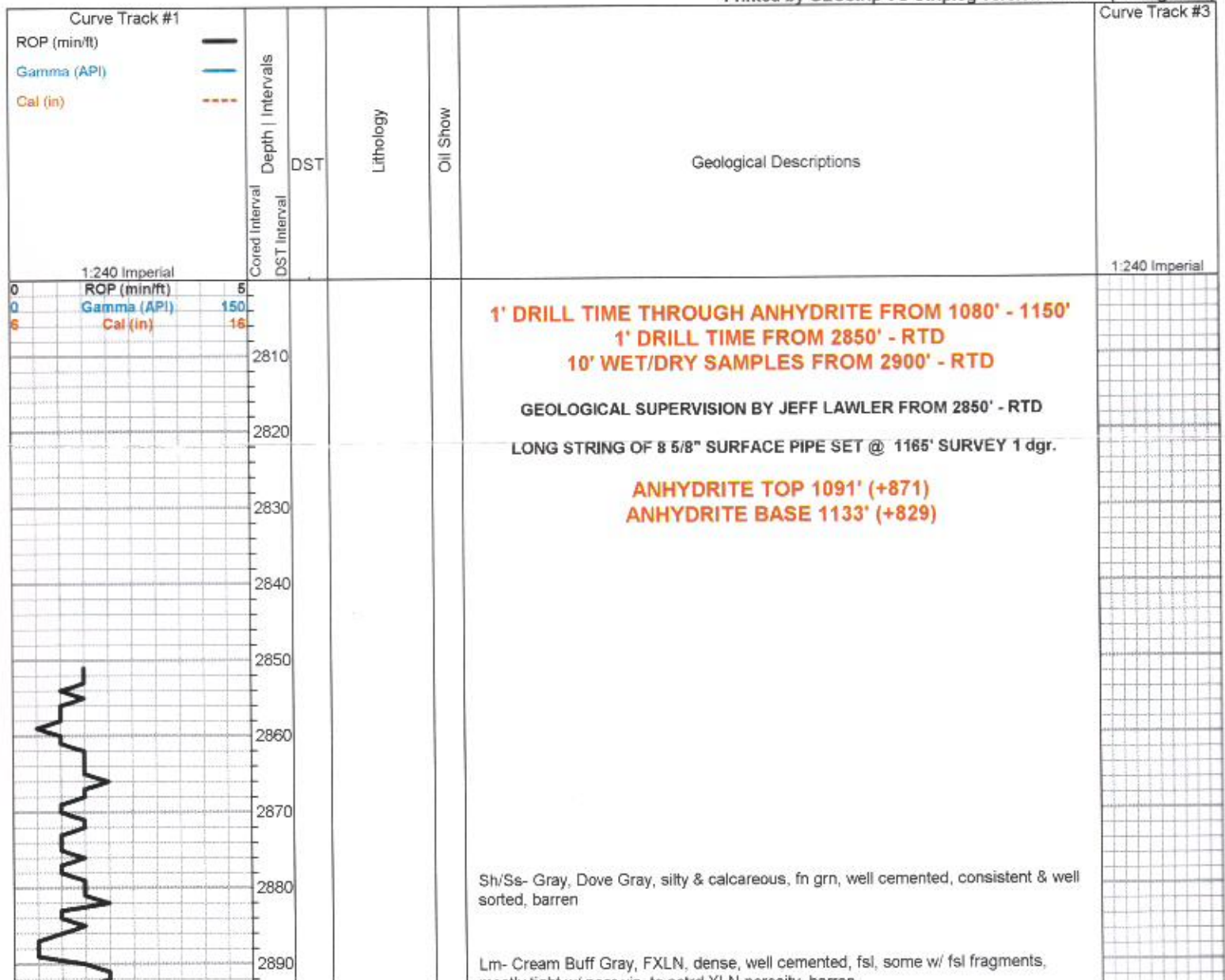


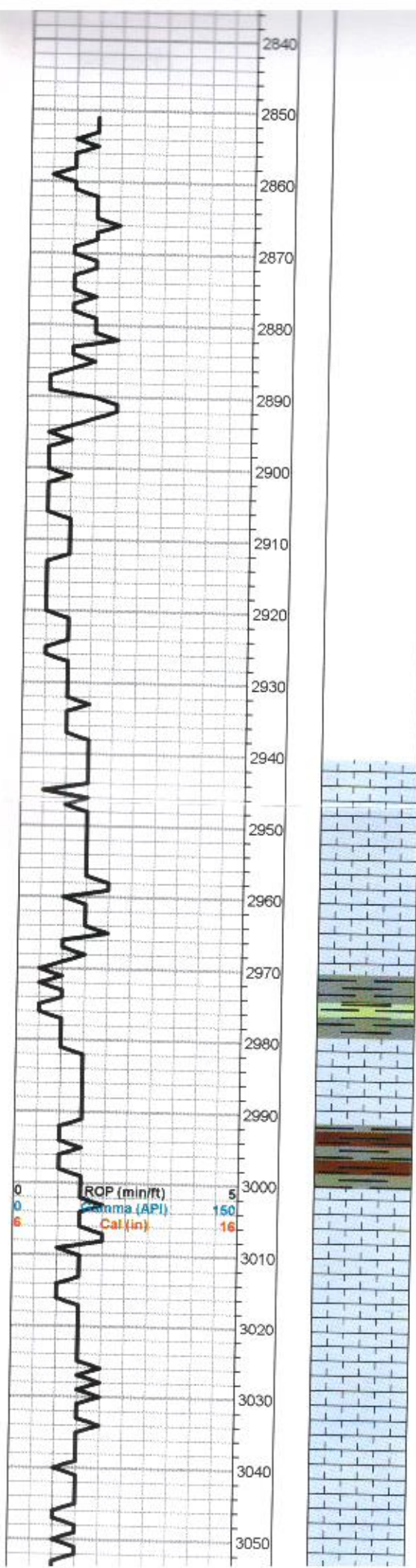
OTHER SYMBOLS

DST



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Sh/Ss- Gray, Dove Gray, silty & calcareous, fn grn, well cemented, consistent & well sorted, barren

Lm- Cream Buff Gray, FXLN, dense, well cemented, fsl, some w/ fsl fragments, mostly tight w/ poor vis. to sctrd XLN porosity, barren

Sh- Gray, dense & waxy & agrillaceous clumps

Lm- Cream, VFXLN, dense, vry well cemented & tight, sctrd reXLN porosity, barren

Lm- Buff, FXLN, dense, well cemented, fsl w/ fragments, sctrd micro XLN porosity

Sh- Gray Green, silty & soft

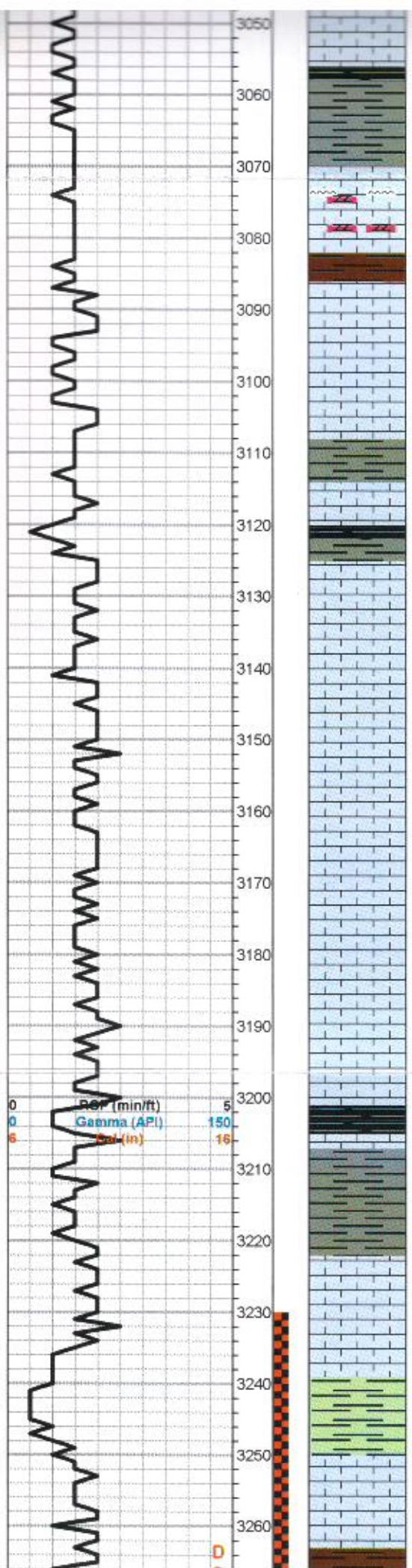
TOPEKA 2981' (-1019) E-LOG 2980' (-1018) Lm- Cream Off White, Well cemented, dense micro ppt porosity, WK LT SHEEN, NSFO, NO ODR, 1 PC W/ FR SFO, NO ODR

Lm- Gray Buff, FXLN, fsl w/ fragments, loosely cemented & semi-crumbly, sctrd XLN porosity, barren

Lm- Cream Buff, FXLN, well cemented, mottled, sl fsl, sctrd XLN & micro ppt porosity, barren

Lm- Cream Tan, mix of VFXLN, gritty dolomitic Ls w/ consistent micro XLN porosity, some sl oolitic & fsl loosely cemented Ls w/ sctrd XLN porosity, & tight VFXLN tan w/o vis. porosity, all barren

Lm- Cream Tan, FXLN, sl fsl, heavily mottled, some chalky in part, poor vis. porosity, barren



barren
 Lm- A/A Chert- Black Milky White, fresh bedded chert, black w/ crinoids, white clean, all barren

Chert/Lm/Dolomite, Cream Tan, gritty dolomitic chert/cherty Lm, tight w/ min. vis. porosity, heavily mottled

Lm- Off White, VFXLN, dense, tight, no vis. porosity, clean & sharp

Sh- Gray, dense & waxy

Sh- Black, fissile & carbonaceous Chert- Black, clean & sharp fresh bedded

Lm- Cream Off White, FXLN, fsl, dense XLN porosity, sctrd mottling, barren

Lm- Buff Gray, FXLN, fsl, mod. well cemented, dense XLN porosity & sctrd mottling, barren

Lm- Cream Buff, A/A

Lm- Cream Off White, FXLN, sl fsl, dense XLN porosity, sl mottled

Lm- Cream Off White, FXLN, sl fsl, mod. well dev. w/ dense XLN & sctrd fn ppt porosity, barren

Lm- Cream Off White- VF-FXLN, dense, well cemented, some chalky in part, vry clean & barren

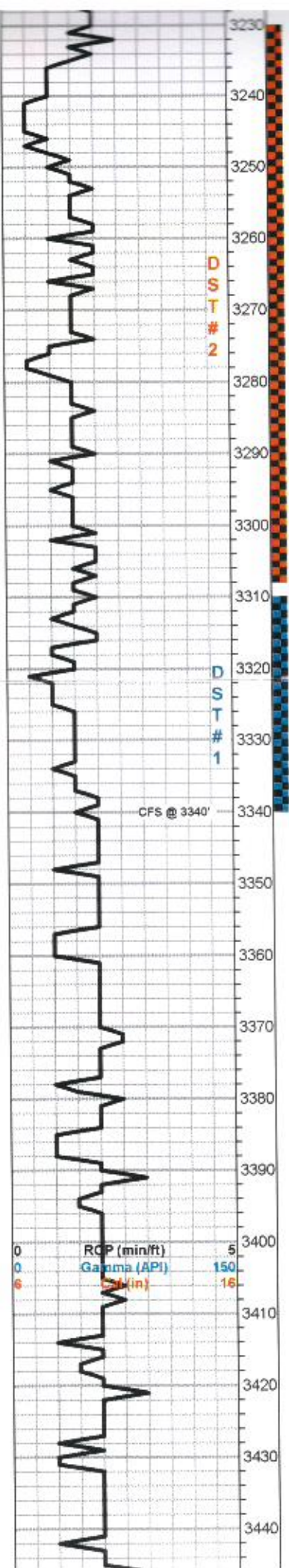
HEEBNER 3201' (-1239) E-LOG 3203' (-1241) Sh- Black Gray Green, fissile & carbonaceous, dense & waxy

TORONTO 3220' (-1258) E-LOG 3223' (-1261) Lm- Cream Off White, FXLN, fsl w/ few crinoids, sctrd reXLN & dense XLN porosity, barren

Sh- Gray Green Maroon, slick thin slivers, argillaceous wash

LKC 3250' (-1288) E-LOG 3251' (-1289) Lm- Cream Off White, FXLN, sl fsl, poorly dev. w/ sctrd XLN porosity, vry clean & barren, 1 pc w/ sl oolitic & rare fn ppt interoolite porosity, WK SCTRD STN, NSFO, WK ODR

DST #2 LKC A-C (STRADDLE) 30-60-45-120
 GAS TO SURFACE TSTM 690' TOTAL FLUID
 35' OCM (4%O)
 24' MCO (85%O)
 124' CLN OIL
 183' GCMCO (15%G, 70%O, 15%M)
 IFF: 41-134#
 SED: 449-957#



Sh- Gray Green Maroon, slick thin slivers, argillaceous wash

LKC 3250' (-1288) E-LOG 3251' (-1289) Lm- Cream Off White, FXLN, sl fsl, poorly dev. w/ sctrd XLN porosity, vry clean & barren, 1 pc w/ sl oolitic & rare fn ppt interoolite porosity, WK SCTR STN, NSFO, WK ODR

Sh- Gray Green, silty & soft, gritty & calcareous

Lm- Cream Off White, FXLN, fsl & oolitic, sctrd fn ppt interoolite & dense XLN porosity, SCTR WK STN, TR FO, MOD. ODR

Lm- Cream Buff, VF-FXLN, mostly dense tight mix w/ poor vis. porosity, some sl chalky in part

Lm- Cream Off White, FXLN, fsl & oolitic, sctrd fn ppt interoolite & dense XLN porosity, SCTR LST STN, TR FO, WK ODR

Lm- Cream Off White, FXLN, dense, tight, well cemented, min. vis. porosity, vry clean & barren

Lm- Off White, VFXLN, dense, well cemented, mostly tight w/ sctrd-micro-XLN porosity, some soft white chalk

Lm- Cream Off White, FXLN, mod well dev. oolitic w/ sctrd ppt interoolite porosity, LT SCTR STN, TR FO, WK ODR

Lm- Cream, FXLN, gradating from well developed oolitic w/ ppt inter oolite porosity clusters to sctrd XLN porosity & some clear replacement cementation, CLUSTERS CARRYING LT SCTR STN, NSFO, TR ODR

Lm- Cream Off White, VF-FXLN, dense well cemented, sl oolitic w/ sctrd XLN & micro XLN porosity, several pcs of off white sub-cryptoXLN w/ no vis. porosity, vry clean & barren, some soft white chalk

Sh- Gray Maroon Green, dense & waxy, gritty & earthy

Lm- Cream Off White, FXLN, sl fsl, poorly dev. & mostly tight w/ poor vis. porosity, some soft white chalk

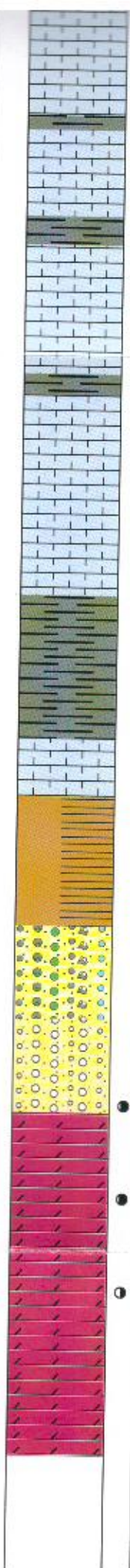
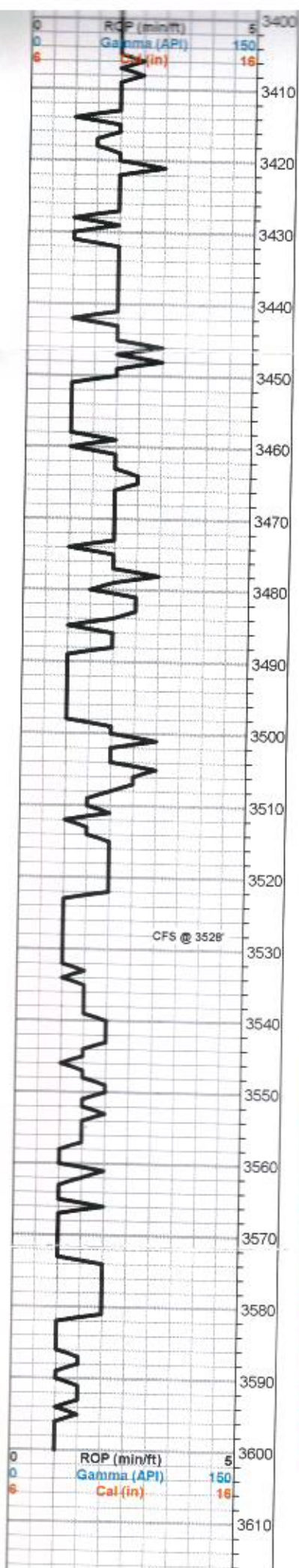
****POOR SAMPLE QUALITY, CONSIDERABLE AMOUNT OF SHALE CARRYOVER****

Lm- Cream Off White, FXLN, sl fsl, dense XLN porosity, vry clean & barren, some chalky in part, some mud supported matrix w/o vis. porosity

Sh- Gray Green, dense & blocky, slick, pebbly green shale

Lm- Cream Tan, VF-FXLN, dense & vry well cemented, densely packed small oolites, tight w/ sctrd micro XLN porosity, barren

DST #2 LKC A-C (STRADOLE) 30-60-45-120
GAS TO SURFACE TSTM 590' TOTAL FLUID
38' OCM (4%O)
248' MCD (85%O)
124' CLN OIL
183' GCMCO (15%G, 70%O, 15% M)
IFP: 41-134#
FFP: 142-227#
SIP: 993-998#
HYD: 1570-1541#
BHT: 104 dgr.
SHORT TRIP SURVEY 3/4 dgr. STRAP +2.04
DST #1 LKC F 3310' - 3340' 5-60-15-60
1317' GIP
233' TOTAL FLUID
35' CLN OIL Gr: 29
168' GCMCWO (12% G, 53% O, 15% W, 20% M)
30' OCMCW (6% O, 80% W, 14% M)
IFP: 42-54#
FFP: 79-96#
SIP: 829-800#
HYD: 1555-1552#
BHT: 104 dgr.



some soft white chalk

"POOR SAMPLE QUALITY. CONSIDERABLE AMOUNT OF SHALE CARRYOVER"

Lm- Cream Off White, FXLN, sl fsl, dense XLN porosity, vry clean & barren, some chalky in part, some mud supported matrix w/o vis. porosity

Sh- Gray Green, dense & blocky, slick, pebbly green shale

Lm- Cream Tan, VF-FXLN, dense & vry well cemented, densely packed small oolites, tight w/ sctrd micro XLN porosity, barren

Lm- White, VF Grn, dense, loosely cemented mud supported matrix, vry clean & barren

Lm- Off White Cream, VF-FXLN, dense, loosely to well cemented, some crumbly, all w/ poor vis. porosity, vry clean & barren, 1-2 pcs of white cherty Ls w/o vis. porosity

BKC 3479' (-1517) E-LOG 3481' (-1519) Sh- Gray Maroon Green, fissile & waxy, arenaceous, silty & soft

Sh- Maroon Mustard Yellow, argillaceous clumps

Sh- A/A

Cherty Conglomerate- Mix of white/maroon conglomerate chert & drk gray oolitic & salmon, mustard yellow & cream fresh bedded chert

Conglomerate- Various colored waxy shales w/ qtz inclusions & chert A/A

ARBUCKLE 3551' (-1589) E-LOG 3552' (-1590) Dolomite- White, F-MEDXLN, well developed euhedral rhombic w/ consistent ppt interXLN porosity, SCTRD LT STN, SFO, WK ODR

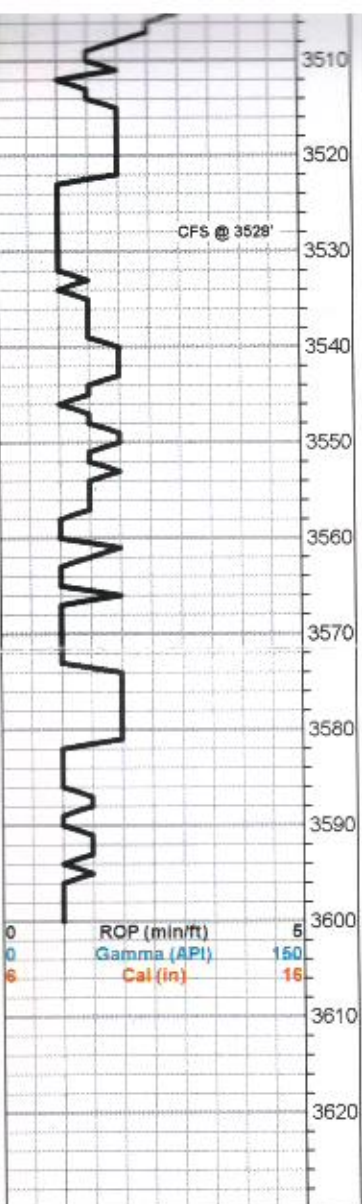
Dolomite- A/A w/ increasing amount of barren pcs, ODR A/A

Dolomite- A/A w/ STN & ODR A/A, several pcs of VFXLN dolomite w/ SCTRD STN, SFO, WK ODR

Dolomite- White, F-MEDXLN, well developed w/ consistent XLN & ppt porosity, SCTRD LT STN, SFO, WK ODR, several pcs w/ sub-rounded qtz inclusions

Dolomite- White Yellow tint, mix of VFXLN & CRS XLN poorly developed dolomite w/ sctrd XLN & ppt porosity, barren, much gummy white chalk

RTD 3600' (-1638) LTD 3608' (-1646) @ 08:34 6/1/2017



Sh- Maroon Mustard Yellow, argillaceous clumps

Sh- A/A

Cherty Conglomerate- Mix of white/maroon conglomerate chert & drk gray oolitic & salmon, mustard yellow & cream fresh bedded chert

Conglomerate- Various colored waxy shales w/ qtz inclusions & chert A/A

ARBUCKLE 3551' (-1589) E-LOG 3552' (-1590) Dolomite- White, F-MEDXLN, well developed euhedral rhombic w/ consistent ppt interXLN porosity, SCTRDR LT STN, SFO, WK ODR

Dolomite- A/A w/ increasing amount of barren pcs, ODR A/A

Dolomite- A/A w/ STN & ODR A/A, several pcs of VFXLN dolomite w/ SCTRDR STN, SFO, WK ODR

Dolomite- White, F-MEDXLN, well developed w/ consistent XLN & ppt porosity, SCTRDR LT STN, SFO, WK ODR, several pcs w/ sub-rounded qtz inclusions

Dolomite- White Yellow tint, mix of VFXLN & CRS XLN poorly developed dolomite w/ sctrdr XLN & ppt porosity, barren, much gummy white chalk

RTD 3600' (-1638) LTD 3608' (-1646) @ 08:34 6/1/2017