

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1240646
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1240646

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
--	---

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*
 Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*
 Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

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

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Chisholm Partners II, LLC
Well Name	Parks 7-1
Doc ID	1240646

All Electric Logs Run

Dual Compensated Porosity
Dual Induction
Microresistivity
Borehole Compensated Sonic

Qual P-2

Date: 11/28/2014
Invoice # 1355
P.O.#:
Due Date: 12/28/2014
Division: Russell

QUALITY OILWELL CEMENTING, INC.
PO Box 32 - 740 West Wichita Ave, Russell KS 67665
Phone: 785-324-1041 fax: 785-483-1087
Email: cementing@ruraltel.net



Invoice

CHISHOLM
WELL: Parks 7-1
AFE: 005
CODE: INTD 216
P.O.:
DATE: 12-11-14
SIGNATURE: [Signature]

Wild Horse
Contact:
~~CHISHOLM~~ PARTNERS LLC
Address/Job Location:
~~CHISHOLM~~ PARTNERS LLC
300 N CEDAR
SUITE 101
ABILENE KS 67410

Reference:
PARKS 7-1 SEC 7-7-23

Description of Work:
SURFACE JOB

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 1,020.55	No				
Common-Class A	160	\$ 2,950.59	Yes				
Pump Truck Mileage-Job to Nearest Camp	35	\$ 390.39	No				
Bulk Truck Matl-Material Service Charge	168	\$ 375.53	No				
Calcium Chloride	5	\$ 311.04	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	35	\$ 228.45	No				
Premium Gel (Bentonite)	3	\$ 54.59	Yes				

Invoice Terms:
Net 30

SubTotal: \$ 5,331.13
Discount Available ONLY if Invoice is Paid & Received within listed terms of invoice: \$ (799.67)

SubTotal for Taxable Items:	\$ 2,818.78
SubTotal for Non-Taxable Items:	\$ 1,712.68
Total:	\$ 4,531.46
Tax:	\$ 208.59

7.40% Graham County Sales Tax

Thank You For Your Business!

Amount Due: \$ 4,740.05
Applied Payments:
Balance Due: \$ 4,740.05

Past Due Invoices are subject to a service charge (annual rate of 24%)
This does not include any applicable taxes unless it is listed.
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

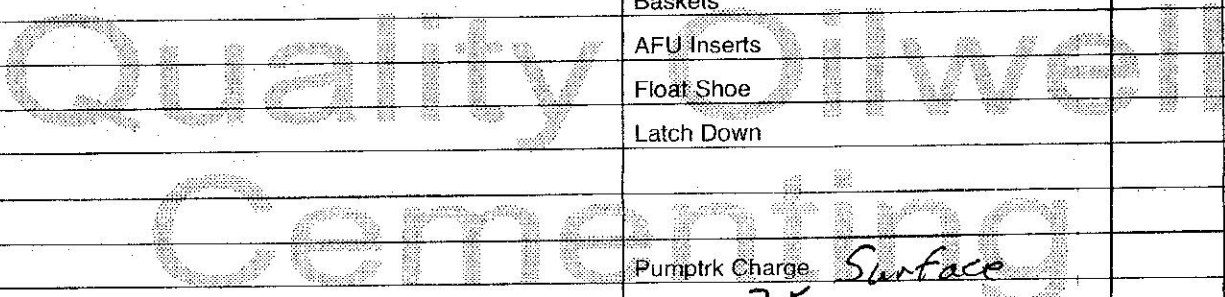
1355

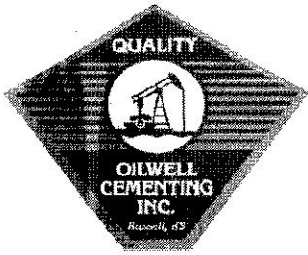
Phone 785-483-2025
Cell 785-324-1041

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

No.

Date	11-28-14	Sec.	7	Twp.	7	Range	23	County	Graham	State	KS	On Location		Finish	4:30PM
Lease								Parks		Well No.		7-1			
Contractor								WW #12		Owner		1/2 W, NnZ			
Type Job								Surface		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.			
Hole Size				12 1/4		T.D.		305		Charge To		Chisholm Partners			
Csg.				8 5/8		Depth		305		Street					
Tbg. Size						Depth				City		State			
Tool						Depth				The above was done to satisfaction and supervision of owner agent or contractor.					
Cement Left in Csg.						Shoe Joint		20		Cement Amount Ordered		160 sxcom, 3% cc, 2% gel			
Meas Line						Displace		18 bbl							
EQUIPMENT								Common		160					
Pumptrk		17	No.	Cementer	Helper	Lonniew	Poz. Mix								
Bulktrk		19	No.	Driver	Chad	Gel.		3							
Bulktrk		P4	No.	Driver	Travis	Calcium		5							
JOB SERVICES & REMARKS								Hulls							
Remarks:								cement did circulate		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							
								Handling		168					
								Mileage							
FLOAT EQUIPMENT								Guide Shoe							
								Centralizer							
								Baskets							
								AFU Inserts							
								Float Shoe							
								Latch Down							
								Pumptrk Charge		Surface					
								Mileage		35					
X Signature								Tax							
								Discount							
								Total Charge							





QUALITY OILWELL CEMENTING, INC.
 PO Box 32 - 740 West Wichita Ave, Russell KS 67665
 Phone: 785-324-1041 fax: 785-483-1087
 Email: cementing@ruraitel.net

Date: 12/5/2014
 Invoice # 1359
 P.O.#:
 Due Date: 1/4/2015
 Division: Russell

Invoice

WELL: CHISHOLM
Parks 7-1
 AFE: 003
 CODE: INTD 216
 P.O.:
 DATE: 12-11-14
 SIGNATURE: [Signature]

Wild Horse

Contact:
 CHISHOLM PARTNERS II, LLC
 Address/Job Location:
 CHISHOLM PARTNERS II, LLC
 300 N CEDAR
 SUITE 101
 ABILENE KS 67410

Reference:
 PARKS 7-1

Description of Work:
 PLUG

Services / Items Included:	Quantity	Price	Taxable	Item	Quantity	Price	Taxable
Labor		\$ 1,020.55	Yes				
Common-Class A	144	\$ 2,655.53	Yes				
POZ Mix-Standard	96	\$ 675.95	Yes				
Bulk Truck Matl-Material Service Charge	249	\$ 556.59	Yes				
Pump Truck Mileage-Job to Nearest Camp	35	\$ 390.39	Yes				
Bulk Truck Mileage-Job to Nearest Bulk Plant	35	\$ 228.45	Yes				
Premium Gel (Bentonite)	9	\$ 163.76	Yes				
Flo Seal	60	\$ 134.12	Yes				
8 5/8" Wooden Plug	1	\$ 93.88	Yes				
4 1/2" Top Rubber Plug	1	\$ 42.47	Yes				

Invoice Terms:

Net 30

SubTotal: \$ 5,961.69
 Discount Available ONLY if Invoice is Paid & Received
 within listed terms of invoice: \$ (894.25)

SubTotal for Taxable Items:	\$ 5,067.43
SubTotal for Non-Taxable Items:	\$ -
Total:	\$ 5,067.44
Tax:	\$ 374.99

7.40% Graham County Sales Tax

Thank You For Your Business!

Amount Due: \$ 5,442.43
Applied Payments:
Balance Due: \$ 5,442.43

Past Due Invoices are subject to a service charge (annual rate of 24%)
 This does not include any applicable taxes unless it is listed.
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QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

1359

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

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

No.

Date	12-5-14	Sec.	7	Twp.	7	Range	23	County	Graham	State	KS	On Location		Finish	1130PM
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Location *Hillcity, 6N to W Rd, 4 1/2 W, N n Z*

Lease *Parks* Well No. *7-1* Owner

Contractor *WW 12* To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish
cement and helper to assist owner or contractor to do work as listed.

Type Job *Plug* Charge To *Chisholm Partners*

Hole Size *7 7/8* T.D. *4000* Street

Csg. Depth City State

Tbg. Size Depth City State

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

Cement Left in Csg. Shoe Joint Cement Amount Ordered *240sx 60/40, 4% gel, 1/4 Flo*

Meas Line Displace

EQUIPMENT Common *144*

Pumptrk <i>5</i>	No.	Cementer		Poz. Mix	<i>96</i>
		Helper	<i>David</i>	Gel.	<i>9</i>
Bulktrk <i>19</i>	No.	Driver		Calcium	
		Driver	<i>Chad</i>		
Bulktrk <i>P4</i>	No.	Driver			
		Driver	<i>Travis</i>		

JOB SERVICES & REMARKS Hulls

Remarks: Salt

Rat Hole Flowseal *60 lb*

Mouse Hole Kol-Seal

Centralizers Mud CLR 48

Baskets CFL-117 or CD110 CAF 38

D/V or Port Collar Sand

50 sx at 2191 Handling *249*

100 sx at 1369 Mileage

50 sx at 354 **FLOAT EQUIPMENT**

10 sx at 40 with wood plug Guide Shoe

30 sx Rat Centralizer

Baskets

AFU Inserts

Float Shoe

Latch Down

1 wood plug

Pumptrk Charge *plug*

Mileage *35*

Signature *[Signature]* Tax

Discount

Total Charge



CHISHOLM — PARTNERS —

Scale 1:240 Imperial

Well Name: PARKS #7-1
Surface Location: NE NW SW Sec. 7 - 7S - 23W
Bottom Location:
API: 15-065-24074-00-00
License Number: 36422
Spud Date: 11/18/2014 Time: 5:15 PM
Region: GRAHAM COUNTY KANSAS Time: 10:14 AM
Drilling Completed: 12/4/2014
Surface Coordinates: 1980' FSL & 1980' FWL
Bottom Hole Coordinates:
Ground Elevation: 2469.00ft
K.B. Elevation: 2477.00ft
Logged Interval: 3400.00ft To: 4000.00ft
Total Depth: 4000.00ft
Formation: LASNING - KANSAS CITY
Drilling Fluid Type: FRESH WATER / CHEMICAL GEL

OPERATOR

Company: CHISHOLM PARTNERS II, LLC
Address: 1010 10TH ST.
GOLDEN, CO 80401

Contact Geologist: RICHARD MCKEE
Contact Phone Nbr: (620) 968-7741
Well Name: PARKS #7-1
Location: NE NW SW Sec. 7 - 7S - 23W
API: 15-065-24074-00-00
Pool:
State: KANSAS

Field: UNNAMED
Country: USA

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -99.9307590
Latitude: 39.4566335
N/S Co-ord: 1980' FSL
E/W Co-ord: 1980' FWL

LOGGED BY

Company: BIG CREEK CONSULTING, INC.
Address: 1909 MAPLE
ELLIS, KS 67637

Phone Nbr: (785) 250 3737

CONTRACTOR

Contractor: WW DRILLING, LLC
 Rig #: 12
 Rig Type: MUD ROTARY
 Spud Date: 11/18/2014
 TD Date: 12/4/2014
 Rig Release: 12/5/2014
 Time: 5:15 PM
 Time: 10:14 AM
 Time: 3:30 AM

ELEVATIONS

K.B. Elevation: 2477.00ft
 K.B. to Ground: 8.00ft
 Ground Elevation: 2469.00ft

NOTES

****NOTE: THERE IS AN ~6' -8' UP HOLE CORRECTION TO CORRELATE DRILL TIME WITH LOG CUREVES****

AFTER LOG ANALYSIS AND A LACK OF ECONOMICAL RECOVERY ON ALL THREE DRILL STEM TESTS IT WAS AGREED TO PLUG AND ABANDON THE PARKS #7-1.

**RESPECTFULLY SUBMITTED,
 JEFF LAWLER**

WELL COMPARISON SHEET

		PARKS 7-1				SE SW SW NW 18-7-23				SW SE NENE 18-7-23				NE SW NE SW 8-7-23				SW SE SE SW 6-7-23										
		KB	2477	GL	2469	KB	2387	LOGS	LOG	SMPL.	KB	2430	LOGS	LOG	SMPL.	KB	2432	LOGS	LOG	SMPL.	KB	2457	LOGS	LOG	SMPL.			
		LOG TOPS	SAMPLE TOPS		COMP. CARD	LOG	SMPL.	LOGS	LOG	SMPL.	COMP. CARD	LOG	SMPL.	COMP. CARD	LOG	SMPL.	COMP. CARD	LOG	SMPL.	COMP. CARD	LOG	SMPL.	COMP. CARD	LOG	SMPL.			
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.	DEPTH	DATUM	CORR.	CORR.
ANHYDRITE TOP	2173	304	2176	301	2096	291	+ 13	+ 10	2124	306	- 2	- 5	2122	310	- 6	- 9	2152	305	- 1	- 4								
BASE	2201	276	2205	272	2130	257	+ 19	+ 15	2156	274	+ 2	- 2	2155	277	- 1	- 5	2186	271	+ 5	+ 1								
TOPEKA	3524	-1047	3522	-1045	3427	-1040	- 7	- 5	3458	-1028	- 19	- 17	3459	-1027	- 20	- 18	3485	-1028	- 19	- 17								
HEEBNER	3717	-1240	3722	-1245	3631	-1244	+ 4	- 1	3659	-1229	- 11	- 16	3662	-1230	- 10	- 15	3685	-1228	- 12	- 17								
TORONTO	3741	-1264	3747	-1270	3655	-1268	+ 4	- 2	3683	-1253	- 11	- 17	3687	-1255	- 9	- 15	3723	-1266	+ 2	- 4								
LKC	3755	-1278	3761	-1284	3668	-1281	+ 3	- 3	3697	-1267	- 11	- 17	3704	-1272	- 6	- 12	3733	-1276	- 2	- 8								
BKC	3954	-1477	3965	-1488	3873	-1486	+ 9	- 2	3900	-1470	- 7	- 18	3901	-1469	- 8	- 19	3922	-1465	- 12	- 23								
TOTAL DEPTH	3997	-1520	4000	-1523	3945	-1558	+ 38	+ 35	3898	-1468	- 52	- 55	3936	-1504	- 16	- 19	3964	-1507	- 13	- 16								

DST #1 LKC C - D 3778' - 3822'

	DRILL STEM TEST REPORT	
	Chisolm Partners 11 L.L.C. 300 N. Cedar Street Suite 101 Abilene Ks. 67401 ATTN: Jeff Lawler / Richar	Sec. 7 - 7 s. - 23 w./Graham Parks # 7-1 Job Ticket: 62491 Test Start: 2014.12.02 @ 10:16:00

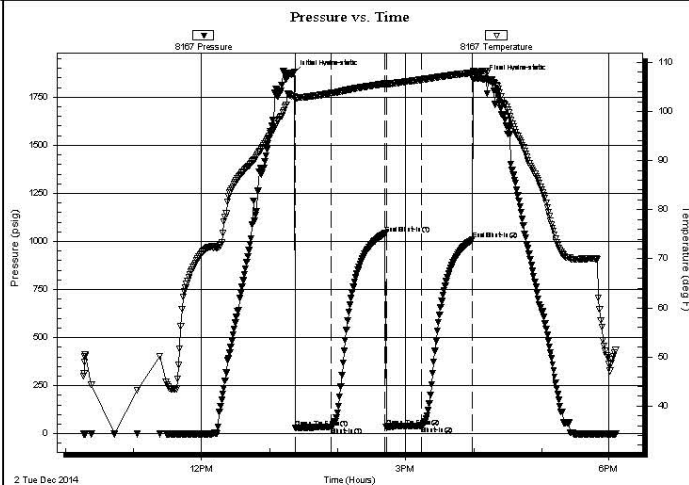
GENERAL INFORMATION:

Formation: **L.K.C. "C - D"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:22:45
 Time Test Ended: 18:06:00
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Bob Hamel
 Unit No: 72
 Interval: **3778.00 ft (KB) To 3822.00 ft (KB) (TVD)**
 Reference Elevations: 2477.00 ft (KB)
 Total Depth: 3822.00 ft (KB) (TVD)
 2469.00 ft (CF)
 Hole Diameter: 7.80 inches Hole Condition: Fair
 KB to GR/CF: 8.00 ft

Serial #: 8167 Outside

Press@RunDepth: 41.36 psig @ 3814.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2014.12.02 End Date: 2014.12.02 Last Calib.: 2014.12.02
 Start Time: 10:16:00 End Time: 18:06:00 Time On Btm: 2014.12.02 @ 13:20:45
 Time Off Btm: 2014.12.02 @ 16:07:15

TEST COMMENT: I.F. - 30 - 1/8" INT. BLOW BUILT TO 1"
 I.S.I. - 45 - NO B.B.
 F.F. - 30 - W.S.B. NO BUILD
 F.S.I. - 45 - NO B.B.



PRESSURE SUMMARY

Time (Mn.)	Pressure (psig)	Temp (deg F)	Annotation
0	1873.17	103.09	Initial Hydro-static
2	30.29	102.75	Open To Flow (1)
34	35.73	103.73	Shut-In(1)
81	1041.90	105.68	End Shut-In(1)
82	37.09	105.50	Open To Flow (2)
114	41.36	106.49	Shut-In(2)
158	1009.35	107.88	End Shut-In(2)
167	1845.59	108.19	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	S.O.S.M, 100%M FEW OIL SPECS	0.05
0.00	SHOW OF FREE OIL IN TEST TOOL	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc

Ref. No: 62491

Printed: 2014.12.02 @ 18:49:28

DST #2 LKC E - F 3818' - 3840'



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Chisolm Partners 11 L.L.C.

Sec. 7 - 7 s. - 23 w./Graham

300 N. Cedar Street
 Suite 101 Abilene Ks.
 67401

Parks # 7-1

ATTN: Jeff Lawler / Richar

Job Ticket: 62492

DST#: 2

Test Start: 2014.12.02 @ 23:45:00

GENERAL INFORMATION:

Formation: **L.K.C. " E - F "**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 02:34:15

Time Test Ended: 07:02:15

Test Type: Conventional Bottom Hole (Reset)

Tester: Bob Hamel

Unit No: 72

Interval: **3818.00 ft (KB) To 3840.00 ft (KB) (TVD)**

Reference Elevations: 2477.00 ft (KB)

Total Depth: 3840.00 ft (KB) (TVD)

2469.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Fair

KB to GR/CF: 8.00 ft

Serial #: 6772 Inside

Press@RunDepth: 141.39 psig @ 3821.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2014.12.02 End Date: 2014.12.03

Last Calib.: 2014.12.02

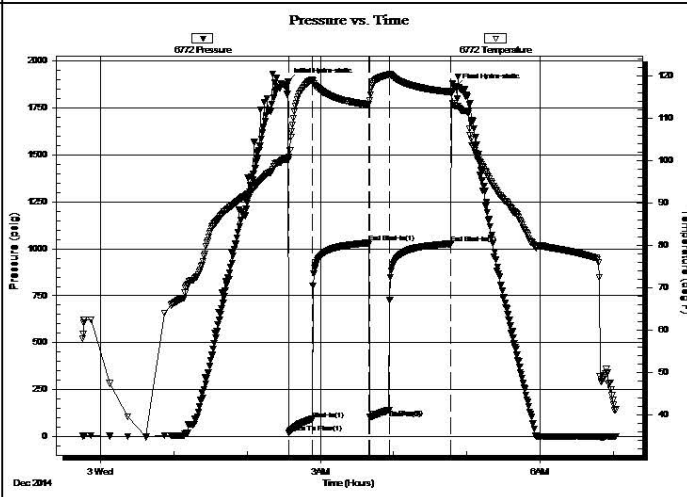
Start Time: 23:45:05 End Time: 07:02:14

Time On Btm: 2014.12.03 @ 02:33:30

Time Off Btm: 2014.12.03 @ 04:51:00

TEST COMMENT: I.F. - 15 - 1/2" INT. BLOW BUILT TO B.O.B. IN 12 1/2" MIN.

I.S.I. - 45 - NO B.B.
 F.F. - 15 - 1/8" INT. BLOW BUILT TO B.O.B. IN 15 MIN.
 F.S.I. - 45 - NO B.B.



PRESSURE SUMMARY			
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1891.95	100.25	Initial Hydro-static
1	21.79	100.79	Open To Flow (1)
20	92.78	119.00	Shut-In(1)
66	1032.37	113.30	End Shut-In(1)
67	102.59	114.28	Open To Flow (2)
83	141.39	120.30	Shut-In(2)
134	1027.34	116.16	End Shut-In(2)
138	1862.91	112.94	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
252.00	S,M,C,W, 10%M 90%W	2.39
10.00	M, 100%	0.14

* Recovery from multiple tests

Gas Rates			
	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc

Ref. No: 62492

Printed: 2014.12.03 @ 08:15:20

DST #3 LKC H - K 3872' - 3898'

	DRILL STEM TEST REPORT	
	Chisolm Partners 11 L.L.C. 300 N. Cedar Street Suite 101 Abilene Ks. 67401 ATTN: Jeff Lawler / Richar	Sec. 7 - 7 s. - 23 w./Graham Parks # 7-1 Job Ticket: 62493 DST#: 3 Test Start: 2014.12.03 @ 19:25:00

GENERAL INFORMATION:

Formation: **L.K.C. " H - J"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:11:45

Time Test Ended: 03:46:00

Interval: **3872.00 ft (KB) To 3938.00 ft (KB) (TVD)**

Total Depth: 3938.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Reset)

Tester: Bob Hamel

Unit No: 72

Reference Elevations: 2477.00 ft (KB)

2469.00 ft (CF)

KB to GR/CF: 8.00 ft

Serial #: 6772 **Inside**

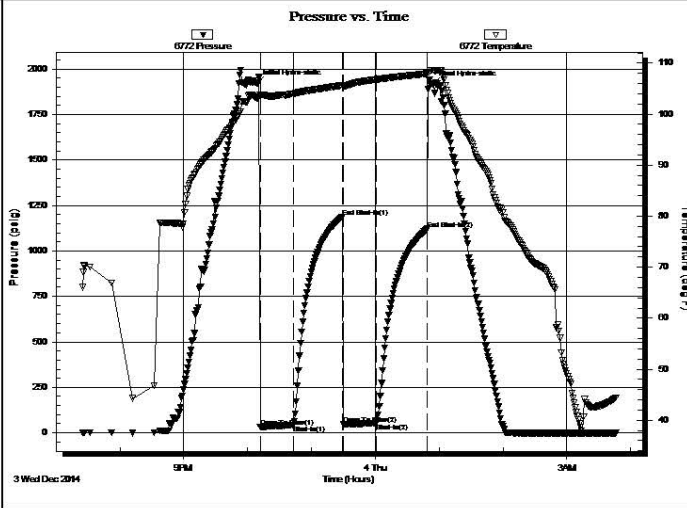
Press@RunDepth: 54.33 psig @ 3908.00 ft (KB) Capacity: 8000.00 psig

Start Date: 2014.12.03 End Date: 2014.12.04 Last Calib.: 2014.12.04

Start Time: 19:25:05 End Time: 03:45:59 Time On Btm: 2014.12.03 @ 22:08:45

Time Off Btm: 2014.12.04 @ 00:53:30

TEST COMMENT: I.F. - 30 - 1/2" INT. BLOW BUILT TO 1 3/4"
 I.S.I. - 45 - NO B.B.
 F.F. - 15 - 1/8" INT. BLOW BUILT TO B.O.B.



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1922.63	103.17	Initial Hydro-static
3	31.26	103.77	Open To Flow (1)
34	42.64	103.99	Shut-In(1)
80	1187.03	105.62	End Shut-In(1)
81	45.42	105.34	Open To Flow (2)
113	54.33	106.81	Shut-In(2)
160	1120.98	107.95	End Shut-In(2)
165	1917.54	108.60	Final Hydro-static

Length (ft)	Description	Volume (tbb)
10.00	M 100%	0.05

* Recovery from multiple tests

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

Trilobite Testing, Inc

Ref. No: 62493

Printed: 2014.12.04 @ 08:27:36

ROCK TYPES

Cht	shale, grn	Carbon Sh	Arg/Shale
Lmst fw7>	shale, gry	shale, red	Ss

ACCESSORIES

MINERAL

Mc Mica

OTHER SYMBOLS

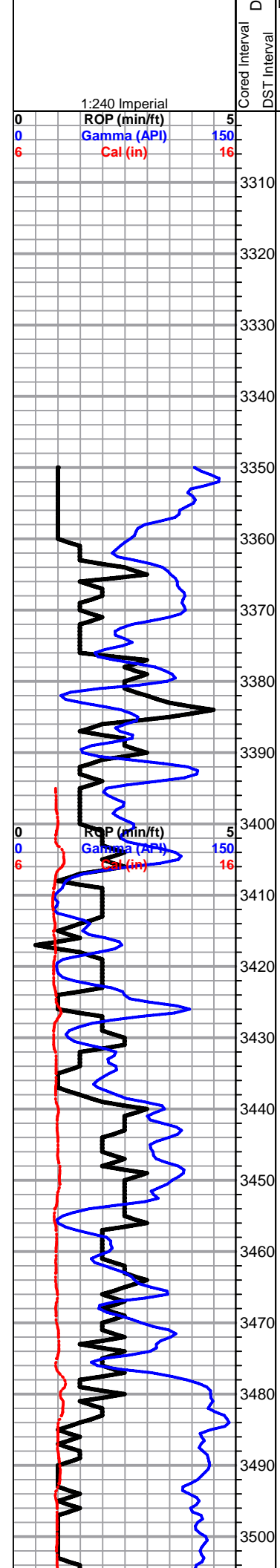
MISC

- Daily Report
- Digital Photo
- Document
- Folder
- Link
- Vertical Log File
- Horizontal Log File
- Core Log File
- Drill Cuttings Rpt

DST

- DST Int
- DST alt

Curve Track #1	ROP (min/ft)	Gamma (API)	Cal (in)	depth Intervals	thology	il Show	Curve Track #3
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1' DRILL TIME THROUGH ANHYDRITE FROM 2150' - 2215'
1' DRILL TIME FROM 3350' - RTD
10' WET/DRY SAMPLES FROM 3400' - RTD

GEOLOGICAL SUPERVISION BY JEFF LAWLER FROM 3400' - RTD

8 5/8" SURFACE PIPE SET @ 304' SURVEY 3/4 dgr.

DRILLER'S ANHYDRITE TOP 2176' (+301) E-LOG 2173' (+304)
DRILLER'S ANHYDRITE BASE 2205' (+272) E-LOG 2201' (+276)

****THERE IS AN ~6' - 8' UPHOLE CORRECTION TO CORRELATE DRILL TIME WITH POROSITY LOG****

****SAMPLES DESCRIPTION & LITHOLOGY REPRESENTATIVE OF LAGGED SAMPLES****

Sh- Gray White, abundant argillaceous clumps & silty calcareous pcs

Lm- Dove Gray Buff, VFXLN, dense, well cemented, high-energy fsl trashy mix w/ poor vis. porosity

Lm- Buff Cream, Vf Grn VFXLN, dense wel cemented mix of siltstone & VF-FXLN sl fsl Ls w/ pr. vis. porosity, much gummy gray wash

Sh- Black Gray, fissile & carbonaceous, silty & soft

Lm- Cream Tan, mix of dense well cemented VFXLN dolomitic Ls w/ poor micro XLN porosity & sl fsl FXLN, dense, some sl chalky in part, poor vis. porosity, all clean & barren, some soft white chalk

Lm- A/A w/ incr. in fsl FXLN & soft white chalk

Sh- Gray Lm Green White, silty & calcareous, dense & waxy, much gummy white chalk

Sh- Maroon Gray Lm Green, abundant argillaceous clumps & sl sandy lime

Lm- Cream Off White, FXLN, dense, mostly well cemented, few loosely cemented & crumbly, sl fsl, poorly dev. w/ sctrd XLN porosity, sl chalky in part

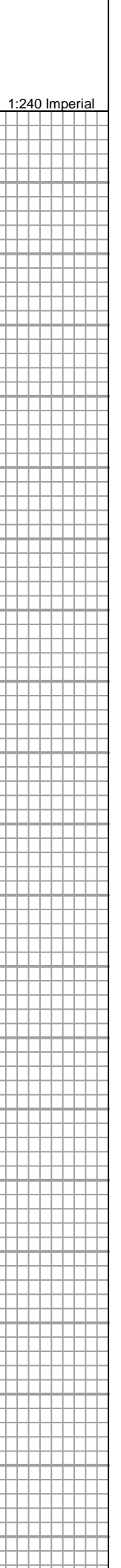
Lm- Gray Buff, VF-FXLN, trashy high-energy fsl mix, poor vis. porosity, some chalky in part

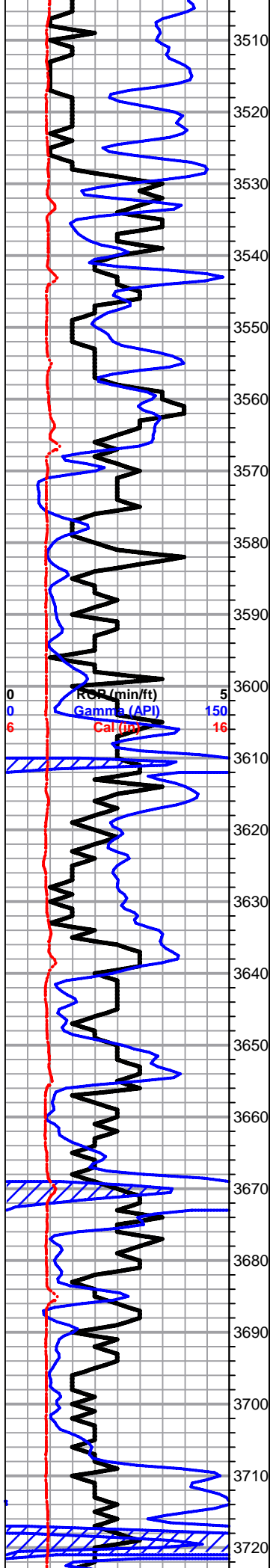
Sh- Gray, abundant argillaceous clumps & sandy lime, few pcs sl sandy, spkld w/ gluaconite

Lm- Drk Gray, VFXLN Vf Grn, dense tight well cemented mix, all w/ no vis porosity, siltstone & soft gummy lime

Sh- Gray, abundant silty & calcareous, sl sandy wash & argillaceous clumps

Sh- A/A w/ dove gray fn grn, sl unconsolidated & micaceous Ss, loosely cemented & semi-friable, angular to sub-angular, barren





Sh- A/A

TOPEKA 3522' (-1045) E-LOG 3524' (-1047) Lm- Gray Tan, VF-FXLN, mix of trashy bioclastic high-energy mix & poorly dev. fsl FXLN w/ micro XLN porosity

Lm- Cream Gray, mix of VFXLN oolitic, sl chalky & poorly dev., few pcs of oolitic biomicrite w/o vis. porosity, some mud supported matrix w/ oolite inclusions, few pcs of fsl fresh bedded chert, & gummy white chalk

Lm/Sh- Gray White, silty lime & gummy argillaceous clumps

Lm- Cream Tan, VF-FXLN, dense, massive, well cemented, sctrd clear replacement cementation, fsl w/ some fusulinids, sctrd XLN & fn ppt inter fsl porosity, min. effective porosity, some soft white chalk

Lm- Gray, FXLN, trashy high-energy fsl, most loosely cemented & chalky in part, sctrd to dense XLN porosity

Sh- Gray White, silty & calcareous, soft white chalk

Lm- Cream Off White, VF-FXLN, dense, massive, fsl & well cemented, sctrd to dense XLN porosity, some sctrd recrystallization, some soft white chalk, few pcs of VFXLN w/o vis. porosity cherty Ls

Lm- A/A

Lm- Cream Buff, VF-FXLN, dense, well cemented, fsl w/ sctrd micro XLN & XLN porosity, sctrd secondary recrystallization, barren

Sh- Black, fissile, slaty, carbonaceous

Sh/ Ss- Gray Lm Green Brown, sandy semi-gummy wash, unconsolidated well cemented Ss, dense & waxy, gritty & earthy

Sh- A/A w/ argillaceous maroon clumps

Lm- Cream, VFXLN, dense, vry well cemented, massive, no vis. matrix or porosity, sctrd recrystallization inclusions

Sh- Maroon, unconsolidated & pebbly, dense, nearly Ls like & crumbly

Lm- Off White Buff, VF-FXLN, dense, fsl, mostly well cemented & mostly tight w/ sctrd XLN porosity, some sl chalky in part, vry clean & barren

Sh- Black Gray, soft & silty, carbonaceous, silty & calcareous, some gray wash

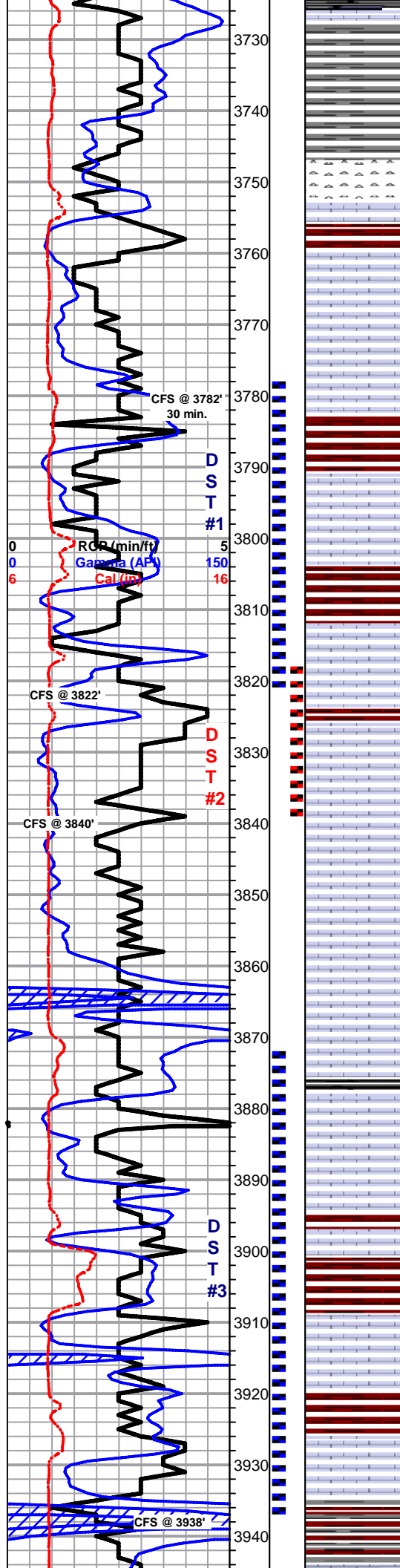
Lm- Cream Off White, VFXLN, dense, well cemented, tight w/o vis. porosity or matrix, some lighographic, vry clean

Lm- Cream Off White, VF-FXLN, massive, granular, fsl w/ dense XLN porosity, vry clean & barren

Lm- A/A w/ much soft white chalk

Lm- Gray Buff, FXLN, sl trashy high-energy fsl mix. dense XLN porosity, some loosely cemented & crumbly

HEEBNER 3722' (-1245) E-LOG 3717' (-1240) Sh- Black, fissile &



carbonaceous

Sh- Gray Lm Green Maroon, silty & calcareous, gummy wash, dense & waxy, wash

TORONTO 3747' (-1270) E-LOG 3741' (-1264) Lm/Chert- Milky White Golden Brown Cream, vitreous fresh bedded, mixed w/ FXLN, grainy, dense XLN porosity, sub-sucrosic appearing, vry clean, barren

LKC 3761' (-1284) E-LOG 3755' (-1278) Lm- Cream Off White Tan, mix of VF-FXLN oolite packstone, well cemented, poorly dev. w/ min. vis. porosity, few pcs of oolitic biomicrite w/ clear replacement cementation no vis. porosity, some soft white chalk & chalky Ls

Lm- Cream Off White, VF-FXLN, dense, well cemented, poorly dev. w/ sctrd fsl, sctrd XLN porosity, some sl chalky in part, vry clean & barren

Sh- Maroon Gray Lm Green, gritty & earthy, gummy wash, silty & soft, dense & waxy

Lm- White Cream, FXLN, oolitic & fsl, sl dev. w/ sctrd inter oolite porosity, some sl chalky in part, SCTRD DRK STN, NSFO, NO ODR, GILSONITE TARRY STN ON CHALK, many pcs of bone white fresh bedded chert & gritty sl dolomitic chert, all barren w/o vis. porosity

Sh- Maroon Gray, gritty & earthy and gummy wash, silty & sl sandy slivers

Lm- Cream Tan, FXLN, mod. dev. & oolitic w/ sctrd fn ppt & XLN porosity, SCTRD LT STN, TR FO UPON CRUSH, NO ODR

Lm-Cream Off White, VF-FXLN, dense, well cemented, some sl chalky in part, sctrd XLN porosity, barren

Lm- White Off White, FXLN, sl unconsolidated & pebbly, most loosely cemented & crumbly, chalky in part, poor vis. porosity, barren

Lm- Cream Tan, F-Med XLN, well dev. oolitic w/ sctrd to consistent fn ppt & ppt interoolite porosity, some sctrd recrystallization, LT SCTRD STN, OILY SHEEN, NSFO, TR ODR

Lm- Cream Off White, mix of FXLN, fsl, poorly dev., loosely cemented & crumbly, dense, chalky in part, poor vis. porosity, & much soft white chalk & mud supported matrix, vry clean & barren

Lm- A/A w/ incr. in soft white chalk & mud supported matrix

Lm- Buff Tan, VFXLN, dense, well cemented, tight w/ min. vis. porosity, vry clean

Sh- Black Maroon Gray, fissile & carbonaceous, gritty & earthy, gummy wash

Lm- Cream Off White, VF-FXLN, sl fsl, dense, well cemented, mod. dev. w/ sctrd fn ppt to ppt & XLN porosity, SCTRD LT STN, TR FO, WK ODR

Sh- Maroon Gray Lm Green, gritty & earthy, dense & sl silty, soft & sl calcareous

Lm- Cream Off White, VF-FXLN, dense, sl chalky, sl unconsolidated & spkld, mottled, poor vis. porosity

Lm- Tan, FXLN, dense, well cemented, dense fn ppt porosity throughout, some sctrd recrystallization, SCTRD LT STN, NSFO, NO ODR, DULL YLW FLOR.

Sh- Maroon Gray, gritty & earthy, silty & soft

Lm- Cream Off White, F-Med XLN, fsl w/ fusulinids, sctrd XLN & ppt inter fsl porosity, LT SCTRD STN, TR FO, WK ODR, OILY SHEEN, some chalky in part carrying STN A/A, SOME W/ BLK DO STN

Lm- Tan, F-Med XLN, oolitic, poorly to well dev. w/ min. effective porosity & sctrd recrystallization to dense consistent fn ppt interoolite porosity, DRK STN W/ FR-GD SFO UPON CRUSH TO BLK DO STN, NSFO, WK ODR

SHORT TRIP SURVEY 3/4 dgr. STRAP -0.35'

DST #1 LKC C-D 3778' - 3822' 30-45-30-45

10' SL OSPM (FEW OIL SPOTS)

IFF: 30-36# FFP: 37-41# SIP: 1042-1009#

SEE PICS BELOW -3799'.jpg

-3814.jpg DST #2 LKC E - F 3818' - 3840' 15-45-15-45

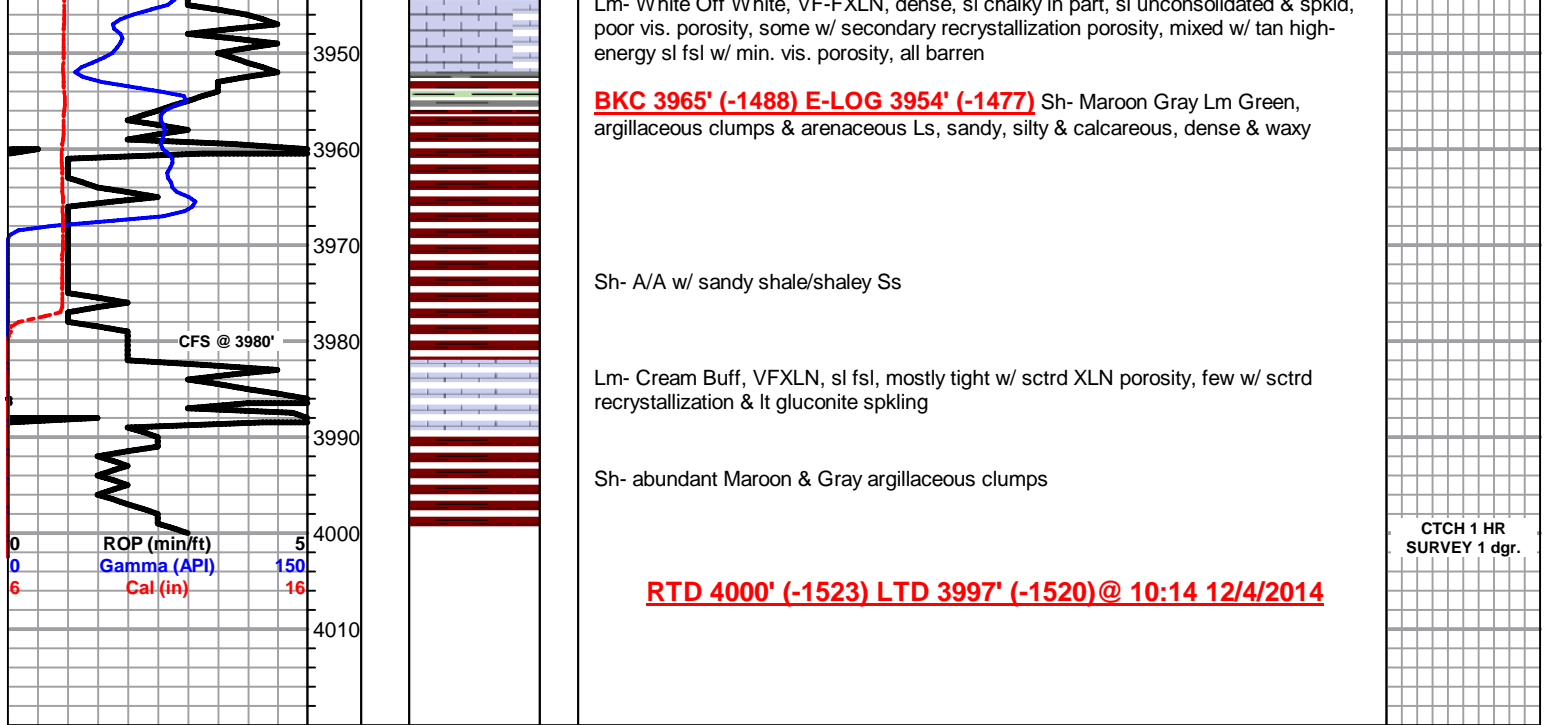
262' TOTAL FLUID 10' MUD 252' SLMCW (90%W, 10%M) IFF: 22-93# FFP: 103-141# SIP: 1032-1027# -3840.jpg

-3896.jpg DST #3 LKC H - J 3872' - 3938' 30-45-30-45

10' MUD IFF: 31-42# FFP: 45-54# SIP: 1187-1120# -3917.jpg

-3930.jpg

-3934.jpg



3799'.jpg

A043 1280x1024 2014/12/02 04:16:54 Unit: mm Magnification: 116.2 x 1



3799' x 30





3840' x30



0.2 mm

3869' x 30



0.2 mm

3817' x 30





0.5 mm

3934' X 25