



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'

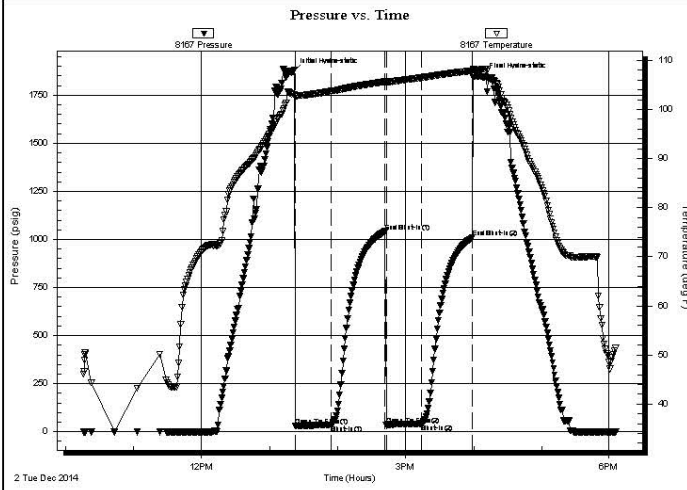
	DRILL STEM TEST REPORT	
	Chisolm Partners 11 L.L.C. 300 N. Cedar Street Suite 101 Abilene Ks. 67401 ATTN: Jeff Lawler / Richar	Sec. 7 - 7 s. - 23 w./Graham Parks # 7-1 Job Ticket: 62491 Test Start: 2014.12.02 @ 10:16:00

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)**
 Total Depth: 3822.00 ft (KB) (TVD)
 Reference Elevations: 2477.00 ft (KB)
 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'



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
 ATTN: Jeff Lawler / Richar

Parks # 7-1

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

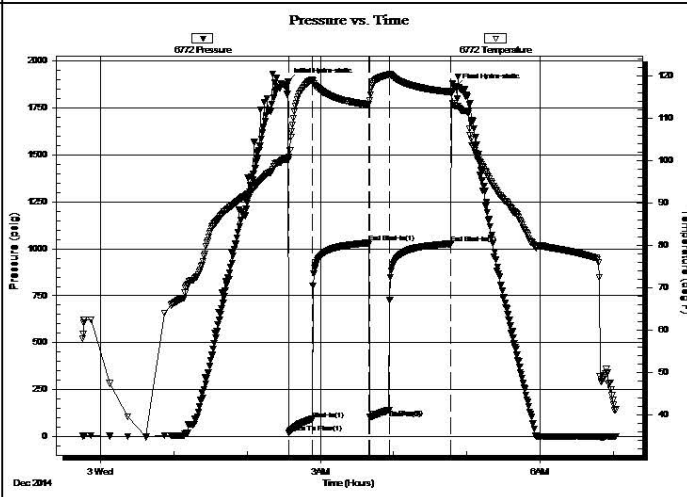
Start Time: 23:45:05 End Time: 07:02:14

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

Test Type: Conventional Bottom Hole (Reset)

Tester: Bob Hamel

Unit No: 72

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

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)

Start Date: 2014.12.03 End Date: 2014.12.04

Start Time: 19:25:05 End Time: 03:45:59

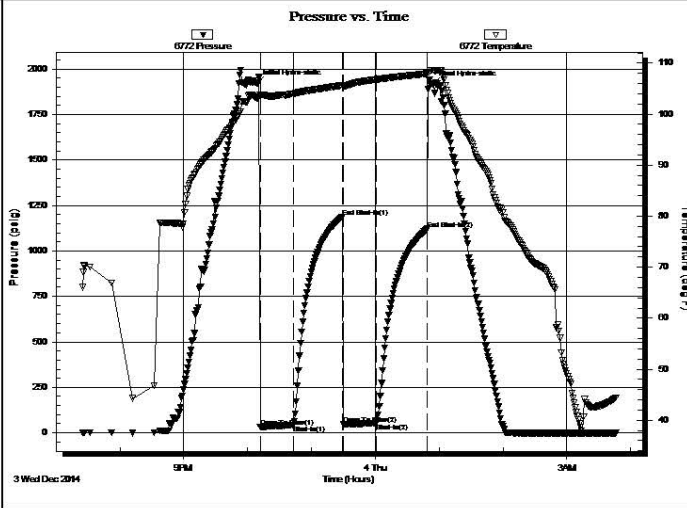
Capacity: 8000.00 psig

Last Calib.: 2014.12.04

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 (bbl)
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

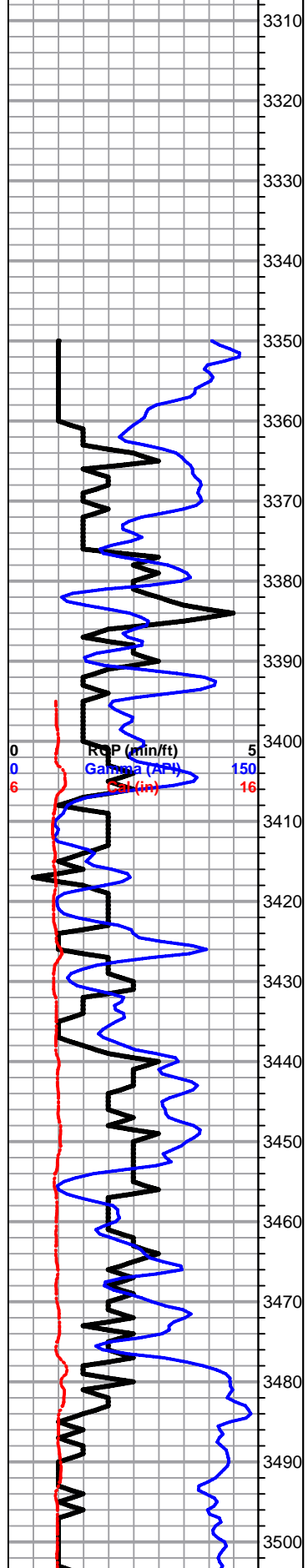
Curve Track #1	ROP (min/ft)	Gamma (API)	Cal (in)	depth Intervals	thology	il Show	Curve Track #3
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Cored Interval
DST Interval

1:240 Imperial

1:240 Imperial

0 ROP (min/ft) 5
0 Gamma (API) 150
6 Cal (in) 16



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.

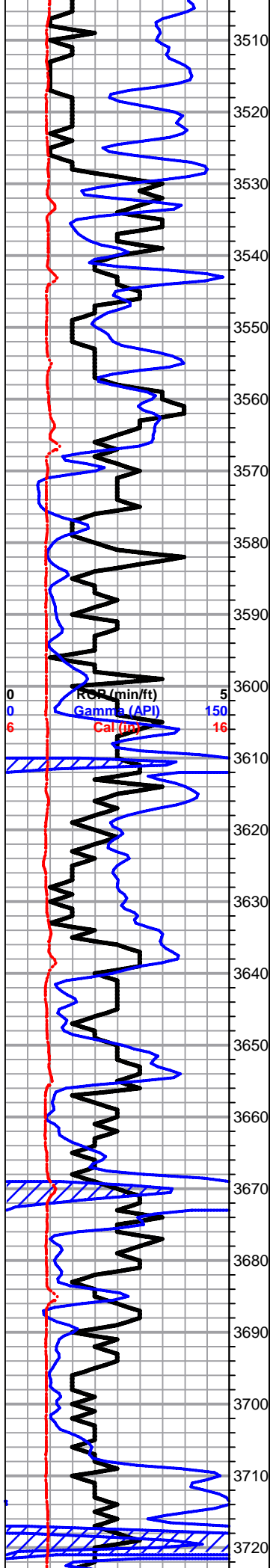
DRILLER'S ANHYDRITE TOP 2176' (+301) E-LOG 2173' (+304)
DRILLER'S ANHYDRITE BASE 2205' (+272) E-LOG 2201' (+276)

****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

Mc
Mc
Mc



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

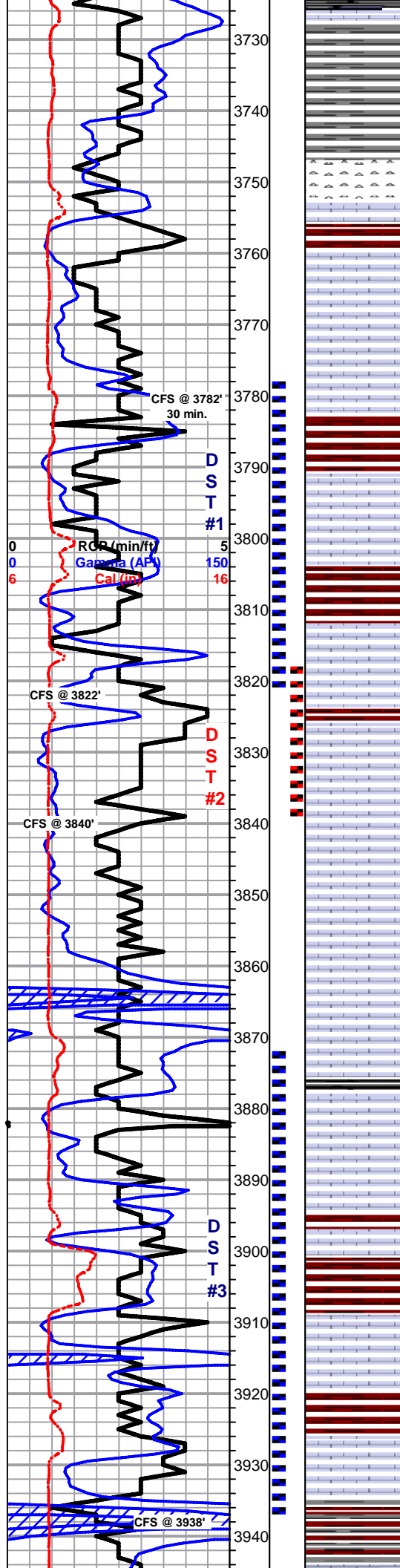
Lm- Cream Off White, VFXLN, dense, well cemented, tight w/o vis. porosity or matrix, some lighographic, vry clean

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

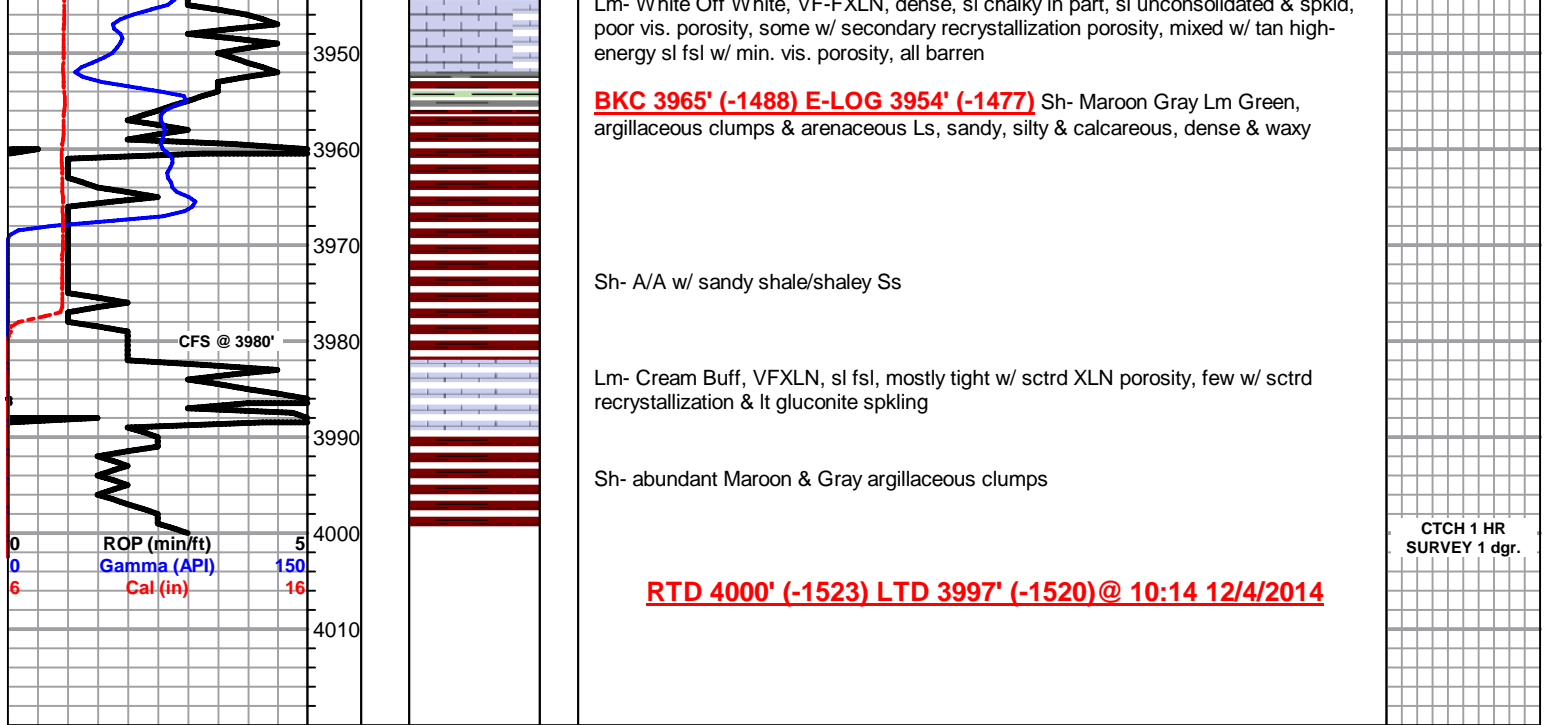
262' TOTAL FLUID 10' MUD 252' SLMCW (90%W, 10%M) IFF: 22-93# FFP: 103-141# SIP: 1032-1027# -3840.jpg

-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



0.2 mm

3814' x 30



0.2 mm

3840' x30



0.2 mm

3869' x 30



0.2 mm

3817' x 30



