Company: Address:	OPERATOR BLACK DIAMOND OIL, INC. P.O. BOX 641 HAYS, KS 67601		
Contact Geologist: Contact Phone Nbr: Well Name: Location: API: Pool:	KENNETH VEHIGE (785) 625-5891 LOGAN NW #1 E2 NE NW SE Sec. 24 - 3S - 21W 15-137-20725-00-00	Field:	UNNAMED
State:	KANSAS	Country:	USA
	Scale 1:240 Imperial		
Well Name: Surface Location: Bottom Location: API:	LOGAN NW #1 E2 NE NW SE Sec. 24 - 3S - 21W 15-137-20725-00-00		
License Number: Spud Date:	7076 12/2/2014	Time:	5:15 PM
Region: Drilling Completed: Surface Coordinates:	NORTON COUNTY KANSAS 12/7/2014 2310' FSL & 1600' FEL	Time:	10:22 PM
Bottom Hole Coordinates: Ground Elevation: K.B. Elevation: Logged Interval: Total Depth: Formation: Drilling Fluid Type:	2196.00ft 2201.00ft 3100.00ft 3770.00ft LANSING - KANSAS CITY FRESH WATER / CHEMICAL GEL	To:	3770.00ft
	SURFACE CO-ORDINATES	;	
Well Type: Longitude: Latitude: N/S Co-ord: E/W Co-ord:	Vertical -99.6329161 39.7765756 2310' FSL 1600' FEL		
	LOGGED BY		
	LOGGLDBI		
Company: Address:	BIG CREEK CONSULTING, INC. 1909 MAPLE ELLIS, KS 67637		
	BIG CREEK CONSULTING, INC. 1909 MAPLE	Name:	JEFF LAWLER
Address: Phone Nbr: Logged By:	BIG CREEK CONSULTING, INC. 1909 MAPLE ELLIS, KS 67637 (785) 259-3737 Geologist CONTRACTOR	Name:	JEFF LAWLER
Address: Phone Nbr: Logged By: Contractor: Rig #: Rig Type: Spud Date: TD Date:	BIG CREEK CONSULTING, INC. 1909 MAPLE ELLIS, KS 67637 (785) 259-3737 Geologist <b>CONTRACTOR</b> WW DRILLING, LLC 6 MUD ROTARY 12/2/2014 12/7/2014	Time: Time:	5:15 PM 10:22 PM
Address: Phone Nbr: Logged By: Contractor: Rig #: Rig Type: Spud Date:	BIG CREEK CONSULTING, INC. 1909 MAPLE ELLIS, KS 67637 (785) 259-3737 Geologist CONTRACTOR WW DRILLING, LLC 6 MUD ROTARY 12/2/2014	Time:	5:15 PM
Address: Phone Nbr: Logged By: Contractor: Rig #: Rig Type: Spud Date: TD Date:	BIG CREEK CONSULTING, INC. 1909 MAPLE ELLIS, KS 67637 (785) 259-3737 Geologist <b>CONTRACTOR</b> WW DRILLING, LLC 6 MUD ROTARY 12/2/2014 12/7/2014	Time: Time:	5:15 PM 10:22 PM

THE LOGAN NW #1 WAS A RELATIVE WILDCAT WELL WITH THE NEAREST WELLS DRILLED APPROXIMATELY 2 MILES IN ALL DIRECTIONS. THE LOGAN NW #1 RAN HIGH TO SURROUNDING WELLS AND CARRIED SHOWS AND POROSITY DEVELOPMENT THROUGHOUT. SIX DRILL STEM TESTS WERE TAKEN. DRILL STEM TESTS TWO THROUGH SIX HAD SEVERE TO PARTIAL PLUGGING THROUGHOUT THE FLOW PERIODS THAT IS VISABLE ON THE DST CHART INCLUDED IN THE REPORT. AFTER DRILL STEM TEST FIVE A DIFFERENT HYDRAULIC TOOL WAS SWITCHED OUT. THERE WAS PARTIAL PLUGGING ON DRILL STEM TEST SIX BUT

WAS CONCLUDED AS A VALID TEST. WITH THE LACK OF ECONOMICAL RECOVERY ON ALL OF THE DRILL STEM TESTS IT WAS DECIDED TO PLUG AND ABANDON THE LOGAN NW #1.

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## RESPECTFULLY SUBMITTED, JEFF LAWLER

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						WE	LL	C	ЭM	PA	RISC	ON S	HE	ET														
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						BAIRD O	IL CO	,LLC			В	LACK DIAN	IOND	OIL, I	NC.			NORTHER	NORE	ANCE	E	_	JON	IES, SHELBU	IRNE	,& FA	RMER	ć
						ARLENE M	ULDE	R #1-2	6	- i		SCHE	MPER	#1		Ĵ		PER	RY #1	à				SMI	TH #	1		
		LOGAN	NW #1			NW SW SE	NW 2	6-3-2	1			NE SW NE	SW 2	0-2-2	0			SW SW	20-3	20				SW SW N	NE 15	-3-21		
	KB	2201	GL	2196	KB	-	22	75			КВ	2	2:	165	-		КВ		2:	195	_		КВ		2	313		
	LOG	TOPS	SAMPI	ETOPS	L	OG	LC	)G	SM	PL.	LC	DG	LO	DG	SM	IPL.	COMP.	CARD	L	DG	SN	IPL.	COMP	.CARD	L	OG	SIV	<b>NPL</b>
FORMATION	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CO	RR.	CO	RR.	DEPTH	DATUM	CO	RR.	co	RR.	DEPTH	DATUM	CC	RR.	СС	RR.	DEPTH	DATUM	C	DRR.	cc	DRR
ANHYDRITE TOP	1854	347	1857	344	1953	322	+	25	+	22	1811	354	-	7	-	10	1843	352	-	5	-	8	2011	302	+	45	+	4
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ТОРЕКА	3220	-1019	3219	-1018	3301	-1026	+	7	+	8	3187	-1022	+	3	+	4	3224	-1029	+	10	+	11						
HEEBNER SHALE	3423	-1222	3426	-1225	3499	-1224	+	2	-	1	3394	-1229	+	7	+	4	3422	-1227	+	5	+	2	3545	-1232	+	10	+	
TORONTO	3450	-1249	3453	-1252	3525	-1250	+	1	$\mathcal{X}$	2	3422	-1257	+	8	·+	5	3446	-1251	+	2	$\mathcal{X}$	1	3569	-1256	+	7	(	1
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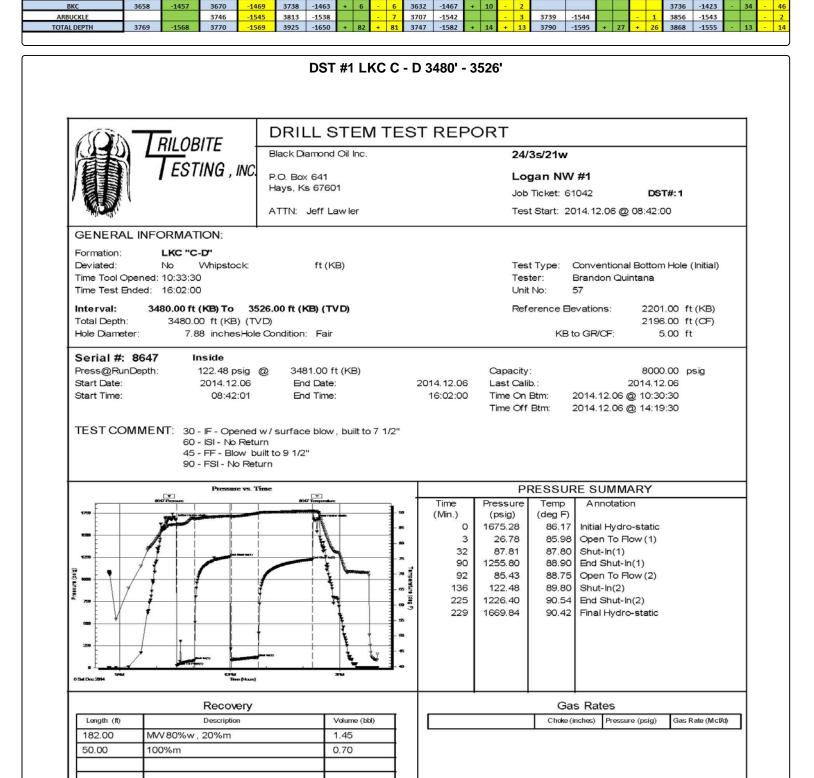
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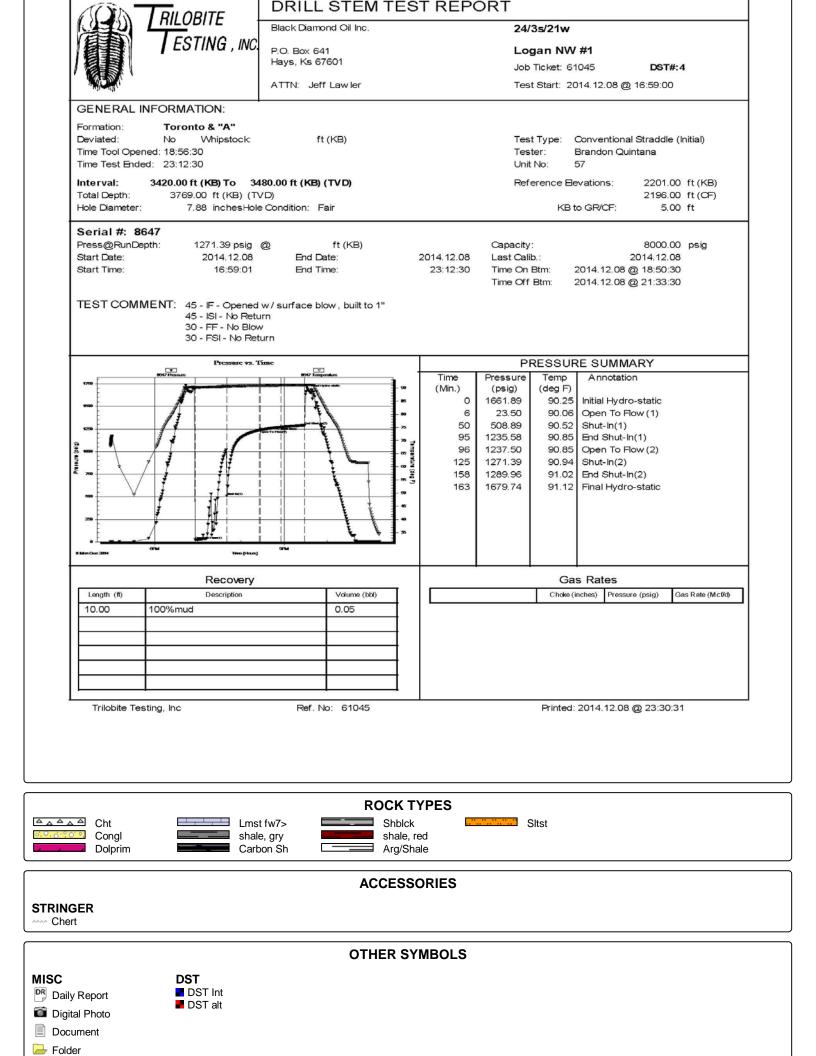
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	DST #2 LKC J -	K 3622' - 3	662'		
		11 3022 - 3	002		
	DRILL STEM TE	ST REPO	ORT		
RILOBITE	Black Diamond Oil Inc.		24/	3s/21w	
ESTING,	INC. P.O. Box 641 Hays, Ks 67601			gan NW #1	
	ATTN: Jeff Lawler			Ticket: 61043 t Start: 2014.12.07 (	DST#:2 D 09:22:00
GENERAL INFORMATION:					
Formation: <b>LKC "J-K"</b> Deviated: No Whipsto Time Tool Opened: 10:54:30 Time Test Ended: 15:39:00	ck: ft (KB)		Tes		al Bottom Hole (Initial) uintana
Total Depth: 3662.00 ft (KE	<b>3662.00 ft (KB) (TVD)</b> 3) (TVD) sHole Condition: Fair		Ref	erence Elevations: KB to GR/CF:	2201.00 ft (KB) 2196.00 ft (CF) 5.00 ft
45 - ISI - No 45 - FF - No 60 - FSI - Ni	o Return				
	re vs. Time	Time	Pressure	Temp Annotat	
Pressu 507 heave					
		92 136 195	(psig) 1775.88 773.13 1308.37 1307.53 32.28 1183.01 1290.12	(deg F) 88.41 Initial Hyd 88.20 Open To 89.19 Shut-In(1 89.82 End Shut- 89.56 Open To 90.53 Shut-In(2 91.16 End Shut-	Flow (1) ) In(1) Flow (2) ) In(2)
		0 2 45 89 92 136	(psig) 1775.88 773.13 1308.37 1307.53 32.28 1183.01	88.41         Initial Hyd           88.20         Open To           89.19         Shut-In(1)           89.82         End Shut-           89.56         Open To           90.53         Shut-In(2)	Flow (1) ) In(1) Flow (2) ) In(2)
	ery	0 2 45 89 92 136 136 195	(psig) 1775.88 773.13 1308.37 1307.53 32.28 1183.01 1290.12	88.41 Initial Hyd 88.20 Open To 89.19 Shut-In(1 89.82 End Shut 89.56 Open To 90.53 Shut-In(2 91.16 End Shut- 91.78 Final Hyd	Flow (1) ) In(1) Flow (2) ) In(2)

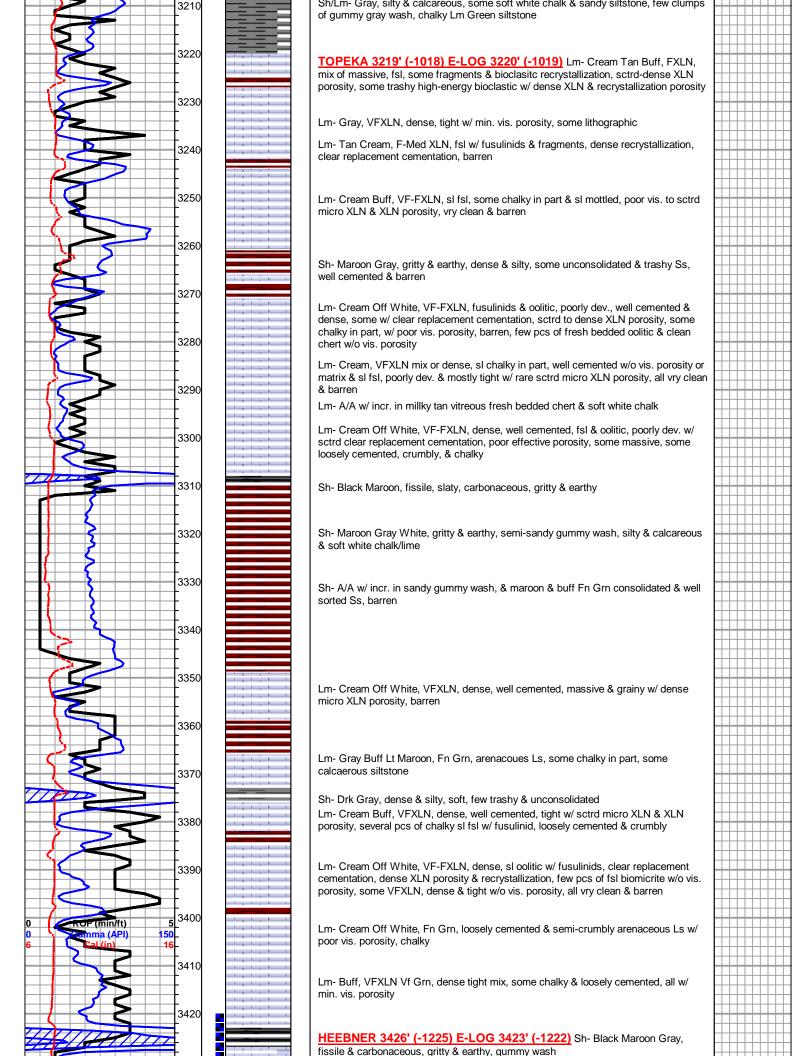
DRILL STEM TEST REPORT       Back Demond OI Inc.     24/3s/21w       PO, Bor 641     Hays, K6 57001       Hays, K6 57001     Job Testet: 61044       DENERAL INFORMATION.       Formation:     LKC 'U-K'       Devided:     No       Whipstock:     ft (KB)       Time Too Opened:     Test Statt: 2014 12.08 (g. 08.32.00       GENERAL INFORMATION.     Formation:       Formation:     LKC 'U-K'       Devided:     No       Whipstock:     ft (KB)       Time Too Opened:     Test Type:       Conventional Straddle (hilia)     Tester::       Definition:     2016 0ft (KB)       Time Too Opened:     2018 00 ft (KB)       Time Too Opened:     2018 00 ft (KB)       Time Too Opened:     2018 00 ft (KB)       Statt Time:     003.00 poing       Bart Time:     003.00 poing       Statt Time: <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th></td<>						
TESTING, NC     Does 641 Hays, K6 67601     Logan NW #1 Job Tick: 61044       Boundary, K6 67601     ATTR: Jeff Lawier     Test Start: 2014.12.08 (06.32.00       GENERAL INFORMATION:     Formation: Exercision: Seviate: to bo Whipstock: Time Test Ended: 15.06:00     If (KB) Test Start: 2014.12.08 (06.32.00       Deviate: to dopenet: 104.63.00 Time Test Ended: 15.06:00     If (KB) Test Start: 2014.12.08 (06.000 (16.0) Total Depth:: 2016.00 ft (CF) Total Depth:: 2018.00 ft (CF) Total Depth:: 2019.00 ft (CF) Total Depth:: 2019.00 ft (CF) Total Dept		DRILL STEM TES	T REPO	ORT		
Hays, Ks 67601     Job Ticket: 6104     DSTR:3       ATTN: Jeff Law ler     Test Start: 2014.12.08 @ 06.32.00       GENERAL INFORMATION:     Example of the start in the		Black Diamond Oil Inc.		24/3s/	21w	
ATTN: Jeff Lawier Test Sart: 2014 12.08 @ 06/32.00  GENERAL INFORMATION: GENERAL INFORMATION: GENERAL INFORMATION: CENTRAL INFORMATION CENTRAL I	ESTING, INC.	1.0. Dex off		Logar	n NW #1	
GENERAL INFORMATION:       Generation:     LC *14*       Generation:     LC *14*       Deviate conventional Straddle (hillal)       Tree Tod Openet 1046 30       Tree Tod Tod Topenet 2014 12.08       For Tod Topenet 2014 12.08       Set Tode:       2014 12.08       Copenet w/ surface blow, went straight to 2*, died back to 1 1/2*       30 FS: Ho Return       Openet w/ surface blow, went straight to 2*, died back to 1 1/2*       30.16 F: Ho Return       PRESSURE SUMMARY		Hays, Ks 67601		Job Tick	ket: 61044	DST#: 3
Exmatlon:       LKC*J-K*         Deviated:       No       Whipstock:       ft (KB)       Test Type:       Conventional Stradie (hilla):         Time Tool Copendic 104630       Test Type:       Conventional Stradie (hilla):       Test Type:       Conventional Stradie (hilla):         Time Tool Copendic 104630       350:00 ft (KB) (TVD)       Test Type:       Conventional Stradie (hilla):         Total Dept:       3360:00 ft (KB) (TVD)       Test Type:       2014:00 ft (KB)         Hole Diameter:       7.88 inchesHole Condition: Far       Reference Bevalons::       2014:00 ft (KB)         Sard Date:       2014:12.08       End Date:       2014:12.08       East Calls::       6000 00 psig         Sard Date:       2014:12.08       End Date:       2014:12.08       East Calls::       2014:12.08 gt 13:48:30         TEST COMMENT:       30 - F- Opened w/surface blow, went straight to 2*, died back to 11/2*       Time Of Btm:       2014:12.08 gt 13:48:30         TEST COMMENT:       30 - F- No Return       Time of Btm:       2014:12.08 gt 13:48:30         Test Type:       Comment time       Time of Btm:       2014:12.08 gt 13:48:30         Test Type:       Sorter       For Bow       Sorter       For Bow (1)         30 - F- No Return       Time of Btm:       2014:12.08 gt 13:48:30       Fore	NC NC	ATTN: Jeff Law ler		Test Sta	art: 2014.12.08 @	08:32:00
Deviate:         No         Whipstock:         ft (KB)         Test Type:         Conventional Straddle (nitila)           Time Test Lobel:         15:08:00         Unit No:         57           Interval:         3610.00 ft (KB) To         3855.00 ft (KB) (TVD)         Reference Bevalons:         2201.00 ft (KB)           Test Bet Index         7.88 inchesHele Condition:         Fair         2016.00 ft (KB)         1000 psig           Start Date:         2014.12.08         End Date:         2014.12.08         Last Callo:         1059.12.30           Start Date:         2014.12.08         End Date:         2014.12.08         Last Callo:         1059.00           Start Time:         08.32.01         End Time:         105.08.00         Time Off Btm         2014.12.08 (9 (10.40.30)           Start Time:         08.32.01         End Time:         105.08.00         Time Off Btm         2014.12.08 (9 (10.40.30)           TEST COMMENT:         30 - FS - No Return           30 - FS - No Return         30 - FS - No Return         30 - FS - No Return         30 - FS - No Return         30 - FS - No Return           1128 dial start Size Size Size Size Size Size Size Size						
Total Depth:       3769 00 ft (KB) (TVD)       2196 00 ft (CF)         Hole Dameter:       7.88 inchesHole Condition: Fair       KB to GROCE:       5.00 ft         Serial 14:       8647       2014.12.08       End Date:       2014.12.08       Last Callb::       1899.12.30         Stari Date:       2014.12.08       End Date:       2014.12.08       Last Callb::       1899.12.30         Stari Time:       00.32.01       End Time:       1506.00       Time On Barn:       2014.12.08 @ 13.48.30         TEST COMMENT:       30 - FF - Opened w/ surface blow , w ent straight to 2*, died back to 1 1/2*       30 - FF - No Blow       30 - FF - No Blow       30 - FF - No Blow         30 - FF - No Return:       30 - FF - No Return:       30 - FF - No Blow       30 - FF - No Blow       Annotation         30 - FF - No Blow       30 - FF - No Blow       30 - FF - No Blow       Start Date:       Time OF Barn:       Annotation         90 - 90 - 76       Montation       (ms)       170.05       92.42       Open To Flow(1)       51       128.43       92.25       Open To Flow(1)       128.43       92.42       Shut-h(1)       92.42       Shut-h(1)       92.42       Shut-h(1)       128.43       128.43       128.43       128.43       128.43       128.43       128.43       128.43	Deviated: No Whipstock: Time Tool Opened: 10:46:30	ft (KB)		Tester:	Brandon Qu	
Press@RunDepth:       1301.86 psig @       ft (KB)       Capacity:       8000.00 psig         Start Date:       2014.12.08       End Date:       2014.12.08       Last Calib.       1399.12.30         Start Date:       08.32.01       End Time:       1506.00       Time On Bim       2014.12.08 @ 13.48.30         TEST COMMENT:       30 - F- Opened w/ surface blow, w ent straight to 2*, died back to 1 1/2*       30 - FSI - No Return       30 - FSI - No Return         30 - FSI - No Return       30 - FSI - No Return       30 - FSI - No Return       90 - FSI - No Return         30 - FSI - No Return       30 - FSI - No Return       90 - FSI - No Return       90 - FSI - No Return         30 - FSI - No Return       30 - FSI - No Return       90 - FSI - No Return       90 - FSI - No Return         30 - FSI - No Return       90 - FSI - No Return       90 - FSI - No Return       90 - FSI - No Return         30 - FSI - No Return       90 - FSI - No Return       90 - FSI - No Return       90 - FSI - No Return         10 - FSI - No Return       90 - FSI - No Return       90 - FSI - No Return       90 - FSI - No Return         11 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -	Total Depth: 3769.00 ft (KB) (TV	√D)		Referen		2196.00 ft (CF)
Press@RunDepth:       1301.86 psig @       ft (KB)       Capacity:       8000.00 psig         Start Date:       2014.12.08       End Date:       2014.12.08       Last Calib.       1309.12.30         Start Time:       08:32.01       End Time:       15:06:00       Time On Brin       2014.12.08 @ 13:48:30         TEST COMMENT:       30 - FF - Opened w/ surface blow, w ent straight to 2*, died back to 1 1/2*       30 - FSI - No Return       30 - FSI - No Return         30 - FSI - No Return       30 - FSI - No Return       30 - FSI - No Return       90 - FSI - No Return         30 - FSI - No Return       30 - FSI - No Return       90 - FSI - No Return       90 - FSI - No Return         30 - FSI - No Return       30 - FSI - No Return       90 - FSI - No Return       90 - FSI - No Return         30 - FSI - No Return       90 - FSI - No Return       90 - FSI - No Return       90 - FSI - No Return         10 - Dec train       0 - Dec train       0 - Dec train       0 - Dec train       0 - Dec train         11 - 12 - Bautic - Dec train       0 - Dec train       0 - Dec train       0 - Dec train       0 - Dec train         12 - 13 - 12 - Bautic - Dec train       0 - Dec train       10 - Dec train       0 - Dec train       0 - Dec train       0 - Dec train         12 - 13 - DE Return       0 - Dec train       10 - Dec train	Serial #: 8647					
30 - SI - No Return 30 - FF - No Blow 30 - FSI - No Return 50 - FSI - No Return 51 - 1234.09 52 - 50 - Pon To Flow (1) 51 - 1234.09 52 - 50 - Pon To Flow (1) 51 - 1234.09 52 - 50 - Pon To Flow (2) 51 - 1234.09 52 - 50 - Pon To Flow (2) 51 - 1234.09 52 - 50 - Pon To Flow (2) 51 - 1234.09 52 - 50 - Pon To Flow (2) 51 - 1234.09 52 - 50 - Pon To Flow (2) 51 - 1234.09 52 - 50 - Pon To Flow (2) 51 - 1234.09 52 - 50 - Pon To Flow (2) 51 - 1234.09 52 - 50 - Pon To Flow (2) 51 - 1234.09 52 - 50 - Pon To Flow (2) 51 - 1234.09 52 - 50 - Pon To Flow (2) 51 - 1234.09 52 - 50 - Pon To Flow (2) 51 - 1234.09 52 - 50 - Pon To Flow (2) 51 - 1234.09 52 - 50 - Pon To Flow (2) 51 - 1234.09 52 - 50 - Pon To Flow (2) 51 - 1234.09 52 - 50 - Pon To Flow (2) 51 - 1234.09 52 - 50 - Pon Flow (2) 51 - 1234.09 51 - 1234.09 52 - 50 - Pon Flow (2) 51 - 1234.09 51 - 1234.09 52 - 50 - Pon Flow (2) 51 - 1234.09 51 - 1234.09 52 - 50 - Pon Flow (2) 51 - 1234.09 51 - 1244.09 51 - 1244.09 51 - 1244.09 51 - 1244.09 51 - 12	Press@RunDepth:1301.86 psigStart Date:2014.12.08Start Time:08:32:01	End Date: End Time:	15:06:00	Last Calib.: Time On Btm Time Off Btm	2014.12.08	1899.12.30 @ 10:40:30
Image: Note of the second s	30 - ISI - No Retu 30 - FF - No Blov	urn w	2", died back	to 1 1/2"		
Image: Non-optimized control of the second control optimized control op						
Image: constraint of the second constraint of th			and a second	Configuration of the second	ALL	n
Image: state of the state	1500		26	and shows a second		
96       1228.33       92.25       Open To Flow (2)         91       1301.86       92.43       Shut-In(2)         184       1302.99       92.55       End Shut-In(2)         188       1747.59       92.42       Final Hydro-static         Chocker (inches)         Recovery         Chocke (inches)       Pressure (psig)         Chocke (inches)         100%mud       0.34					26 - 26	n(1)
Recovery     Gas Rates       Length (ft)     Description       Volume (bbl)       70.00     100%mrud       0.34	5 1000		2000-001	1228.33	92.25 Open To F	
Becovery     Gas Rates       Length (ft)     Description       Volume (bbl)       70.00     100%mud       0.34			184	1302.99	92.55 End Shut-l	
Length (ft)       Description       Volume (bbl)         70.00       100%mud       0.34			188	1747.59	92.42 Final Hydro	≻-static
Length (ft)       Description       Volume (bbl)         70.00       100%mud       0.34	Recovery		ļļ		Gas Rates	
	Length (ft) Description	DOMAND SANAT				re (psig) Gas Rate (Mcf/d)
Trilobite Testing, Inc Ref. No: 61044 Printed: 2014.12.08 @ 15:25:49	70.00 100%mud	0.34	~			
Trilobite Testing, Inc         Ref. No: 61044         Printed: 2014.12.08 @ 15:25:49						
Trilobite Testing, Inc         Ref. No: 61044         Printed: 2014.12.08 @ 15:25:49						
Trilobite Testing, Inc         Ref. No:         61044         Printed:         2014.12.08 @ 15:25:49						
HINDOLO LOSALIN, INC. 2014.12.00 I/J.23.43	Trilohite Testing Inc	Ref No: 61044			rinted: 2014 12 08	@ 15:25:49
	moone resurg, ne	Nol. No. 01044		п		w 10.20.70

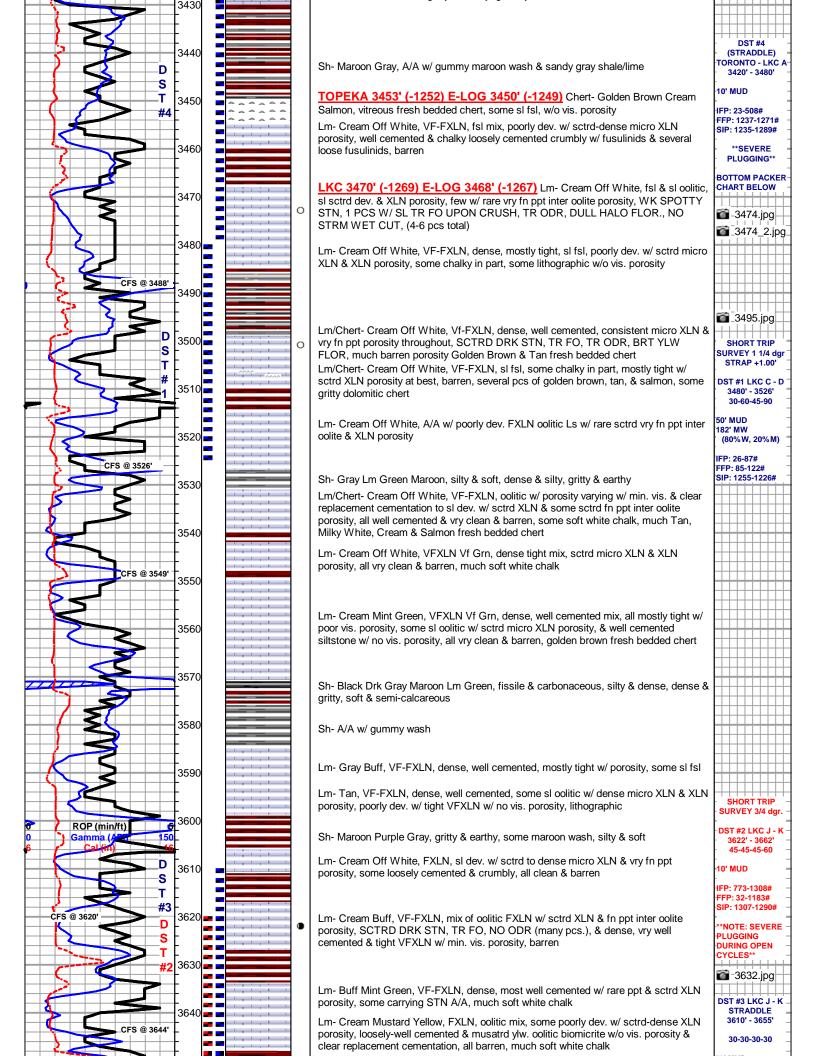
DST #4 (STRADDLE) TORONTO - LKC A 3420' - 3480' (BOTTOM PACKER CHART AT END OF REPORT)

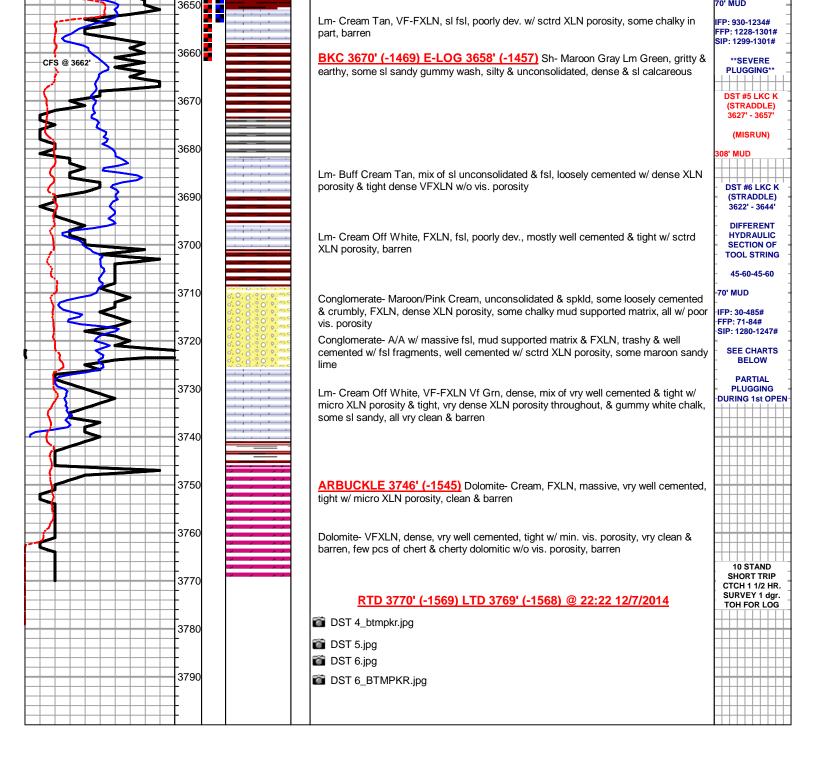




					Printed by GEOstrip VC Striplog version 4.0.8.1	5 (w	ww	.grs	si.ca)
Curve Track #1						Cur	ve T	rac	:k #3
ROP (min/ft)	S								
Gamma (API)	Depth   Intervals								
Cal (in)	ntei			~					
	Ч		Lithology	Show					
	ept	DST	itho	Oil S	Geological Descriptions				
		051		0	Geological Descriptions				
	erva 'val								
	d Inter								
	Cored Interval DST Interval								
1:240 Imperial 0 ROP (min/ft) 5	-					1:2	<u>40 I</u>	mpe	erial
0 Gamma (API) 150 6 Cal (in) 16	F						$\square$		$\square$
	E I								
	3060				1' DRILL TIME THROUGH ANHYDRITE FROM 1840' - 1900' 1' DRILL TIME FROM 3100' - RTD				
	-				10' WET/DRY SAMPLES FROM 3150' - RTD	++	$\parallel$		$\left  \right $
	F						$\square$		$\square$
	3070				GEOLOGICAL SUPERVISION BY JEFF LAWLER FROM 3150' - RTD	#	Ħ		
	t I						╞		
					8 5/8" SURFACE PIPE SET @ 220' SURVEY 1/2 dgr.	$+\top$	$\square$		H
	3080 -					$\mp$	Ħ		Ħ
	t I				DRILLER'S ANHYDRITE TOP 1857' (+344) E-LOG 1854' (+347) DRILLER'S ANHYDRITE BASE 1882' (+319) E-LOG 1879' (+322)		Ħ		
	- 3090				DRIELER S ANNI DRITE BASE 1002 (+319) E-LOG 10/9 (+322)				
	13090					++	$\square$		$\square$
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	3120								
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	3130								
	È.				Lm- Cream Tan Gray, mix of VFXLN, sub-sucrosic dolomitic Ls w/ consistent XLN porosity, cream VFXLN, fsl & massive, well cemented w/ sctrd vry fn ppt inter fsl				
	Ł				porosity, & gray FXLN, trashy high-energy bioclastic w/ sctrd XLN & secondary				
	3140				recrystallization porosity, all barren				
	F				Lm- Cream Gray Buff, VF-FXLN, mix of dense, well cemented & poorly dev., fsl, some	$\mp$	F		<b>H</b>
	t I				high-energy bioclasitcs, all w/ sctrd XLN porosity, barren		Ħ		
	3150				Sh- Gray Maroon White, silty & soft, some sandy lime, gritty & earthy, some wash,				
	+				soft white chalk	++	$\mathbb{H}^{\mathbb{Z}}$	$\parallel$	HF
	F.		· · · · · · · · · · · · · · · · · · ·			++	$\square$		
	3160 -				I m Croom Duff VE EVIN foly utilized most well accorded 0 tight whether the inter-	#	Ħ		
	Ł		· · · · · · · ·		Lm- Cream Buff, VF-FXLN, fsl w/ fusulinds, most well cemented & tight w/ sctd micro XLN porosity, some chalky in part w/ insitu fusulinids, some VFXLN gray Ls w/o vis.				
	-				porosity & siltstone				
	3170						Ħ		
	E								
						++	$\vdash$		$\left  \cdot \right $
	3180 -				Lm- Gray Buff, VFXLN, dense, fsl w/ few fragments, chalky in part w/ poor vis.	$\square$			
	t I				porosity	#	Ħ		
	3100				Lm- Gray, VFXLN, dense, well cemented, tight w/ min. vis. porosity, some soft siltstone				
	3190 -		· · · · · ·		Silisione	++			
	F				Lm- Gray, FXLN, dense, well cemented, trashy high-energy fsl & bioclastic w/ dense	$\mp$	Ħ		
	- 3200				XLN & recrystallization porosity, barren				
0 ROP (min/ft) 5 0 Ganada (API) 150	-					++	$\mathbb{H}^{\mathbb{Z}}$		++
6 Cal (in) 16	F					$\mp$	Ħ		
	F I						$\vdash$		$\left  + + - \right $









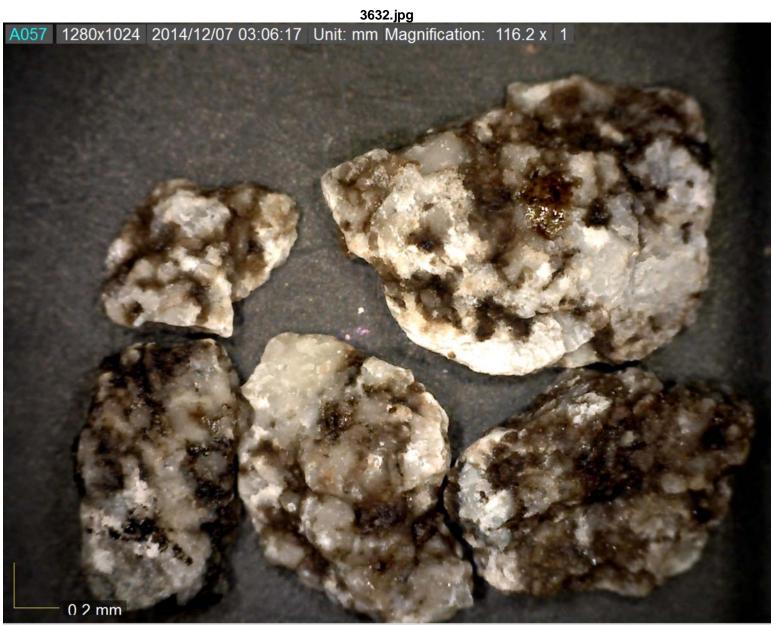
3474' x 35



3474' x 35

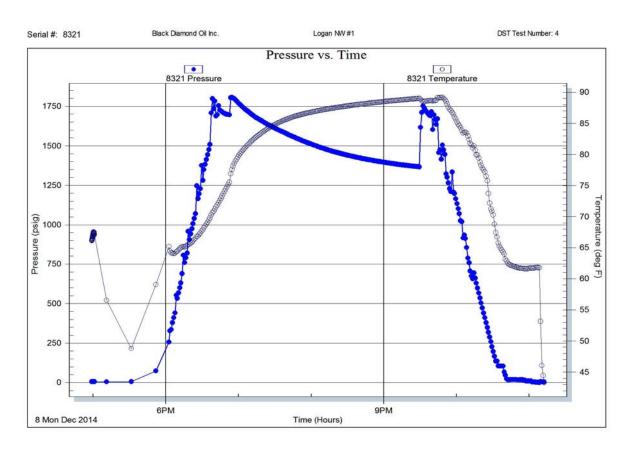


3495' x30



3632' X 30

# DST 4\_btmpkr.jpg



Trilobite Testing, Inc

Ref. No: 61045

Printed: 2014.12.08 @ 23:30:32

# DST 5.jpg

~~			ODT				
RILOBITE	DRILL STEM TES	SI KEP					
TESTING, INC	Black Diamond Oil Inc.		24/	3s/21w			
ESTING, INC.	P.O. Box 641 Hays, Ks 67601			gan NW			
				Ticket: 6'		DST#:5	
No.	ATTN: Jeff Law ler		Tes	t Start: 20	014.12.09 (	2 00:00:00	
GENERAL INFORMATION:							
Formation: LKC "J-K" Deviated: No Whipstock: Time Tool Opened: Time Test Ended:	ft (KB)		Tes	ter:	Convention Brandon Q 57	al Straddle (Ir uintana	nitial)
Interval: 3627.00 ft (KB) To 36			Ref	erence Be	evations:	2201.00	
Total Depth: 3769.00 ft (KB) (Th Hole Diameter: 7.88 inchesHole				KB	to GR/CF:	2196.00 5.00	
Serial #: 8647							
Serial #: 864/ Press@RunDepth: psig	@ ft (KB)		Capacity	:		8000.00	psig
Start Date: 2014.12.09	End Date:	2014.12.09	Last Cali			2014.12.09	
Start Time: 04:37:01	End Time:	09:38:30	Time On Time Off				
30 - FSI - Pressure vs. T EV/houre	ime BOT Impuden	Time	Pressure	RESSUF Temp	RE SUMN		
		(Mn.)	Pressure (psig)	Temp (deg F)	Annotat	ion	
Recovery					s Rates		
Length (ft)         Description           308.00         100%Mud	Volume (bbl) 3.22			Chole (	inches) Press	sure (psig) Ga	is Rate (Mcf/d)
000.00 10070mild	0.22						
1 1	1 1	1					

# DST 6.jpg

	BITE -	Black Diamond Oil Inc.			24/	3s/21w			
ES ES	TING , INC	5.0 B							
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	P.O. Box 641 Hays, Ks 67601				gan NW			
						Ticket: 61		DST#: 6	
all all a		ATTN: Jeff Lawler			Tes	t Start: 20	)14.12.09 @	10:24:00	
GENERAL INFORMA									
Formation: LKC " Deviated: No	J-K" Whipstock:	ft (KB)			Tes	t Type: (	Conventiona	I Straddle (Ir	nitial)
Time Tool Opened: 12:03:		n (nd)					Brandon Qui		initially
Time Test Ended: 17:15	30				Unit	No:	57		
Interval: 3622.00	ft (KB) To 364	4.00 ft (KB) (TVD)			Ref	erence Be	evations:	2201.00	ft (KE
	0.00 ft (KB) (TV							2196.00	
Hole Diameter: 7	7.88 inchesHole	Condition: Fair				KBt	o GR/CF:	5.00	ft
Serial #: 8647	Inside	0000.00.00.00.00.00							
Press@RunDepth: Start Date:	84.17 psig @ 2014.12.09	3633.00 ft (KB) End Date:		2014.12.09	Capacity Last Cali			8000.00 2014.12.09	psig
Start Time:	10:24:01	End Time:		17:15:30	Time On		2014.12.09		
					Time Off		2014.12.09		
BOT Pranare		8047 Temperature	<b>1</b> .	Time (Min.)	Pressure	Temp	Annotatio		
1547 Processe	Pressure vs. Tir		_	Time			RE SUMM		
	Name of Concession, Name of Street, or other	8-	- 9	(Min.)	(psig)	(deg F)			
		11		0	1791.72 30.40	88.65 88.37	Initial Hydro Open To Fi		
1			1.	46	485.04		Shut-In(1)		
	-		1.	104	1280.86		End Shut-In		
1 - / <b>i</b>	14	1 11	6 7	105	71.53		Open To F	low (2)	
	il L			149 211	84.17 1247.93		Shut-In(2) End Shut-Ir	n(2)	
***   <b>†</b>				215	1755.13		Final Hydro		
	╡┢╍┉╴╎╽		•						
	• I I		1.						
		- 11							
• <u>• • • • • • • • • • • • • • • • • • </u>	Time (rison)		-						
9 Tue Disc 2014						Ga	s Rates		
9 Tar Dac 2014	Recovery		-				nches) Pressu	re (psig) Ga	s Rate (1
PiterDec 2014		Volume (bbl)				-			
9 Re Osc 204	Description	Volume (bbl) 0.34	+						
Ength (ft)	Description	2010/01 5012							
Ength (ft)	Description	2010/01 5012							
Ength (ft)	Description	2010/01 5012							
Ength (ft)	Description	2010/01 5012							

# DST 6\_BTMPKR.jpg

