

OPERATOR

Company: BLACK DIAMOND OIL, INC.
Address: PO BOX 641
HAYS, KS 67601

Contact Geologist: KENNETH VEHIGE
Contact Phone Nbr: 785-625-5891
Well Name: SCHEMPER #1
Location: NE SW NE SE 20-3S-20W
Pool:
State: KANSAS

API: 15-147-20669
Field: WILDCAT
Country: USA

Scale 1:240 Imperial

Well Name: SCHEMPER #1
Surface Location: NE SW NE SE 20-3S-20W
Bottom Location:
API: 15-147-20669
License Number: 7076
Spud Date: 2/14/2012
Region: PHILLIPS
Drilling Completed: 2/20/2012
Surface Coordinates: 1810 FSL & 750 FEL
Bottom Hole Coordinates:
Ground Elevation: 2160.00ft
K.B. Elevation: 2165.00ft
Logged Interval: 218.00ft
Total Depth: 3745.00ft
Formation:
Drilling Fluid Type: FRESH WATER/CHEMICAL GEL

Time: 3:34 PM
Time: 1:53 PM
To: 3747.00ft

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -99.5922487
N/S Co-ord: 1810 FSL
E/W Co-ord: 750 FEL

Latitude: 39.7753064

LOGGED BY

Company: SOLUTIONS CONSULTING
Address: 108 W 35TH
HAYS, KS 67601

Phone Nbr: (785) 259-3737
Logged By: Geologist

Name: JEFF LAWLER

CONTRACTOR

Contractor: WW DRILLING, LLC
Rig #: 6
Rig Type: MUD ROTARY
Spud Date: 2/14/2012
TD Date: 2/20/2012
Rig Release: 2/21/2012

Time: 3:34 PM
Time: 1:53 PM
Time: 8:15 AM

ELEVATIONS

K.B. Elevation: 2165.00ft
K.B. to Ground: 5.00ft

Ground Elevation: 2160.00ft


NOTES

NOTES
AFTER LOG ANALYSIS AND MARGINAL RECOVERY ON DST #4 DECISION WAS MADE TO PLUG AND ABANDON THE SCHEMPER #1.

RESPECTFULLY SUBMITTED,
JEFF LAWLER

FORMATION	SCHEMPER #1							NORTHERN ORDANCE			RUSSELL COBB JR			LARIO			JONES, SHEL. & FARMER		
	PERRY #1							JACOBS #1			BARD 'B' #1			REESER #1					
	NE SW NE SE 20-3-20							SW SW SW 20-3-20			NW SE NW 16-3-20			S2 SE NW 27-3-20			NW NW SE 26-3-21		
	KB							KB			KB			KB			KB		
	2165							2195			2298			2220			2320		
FORMATION	LOG TOPS		SAMPLE TOPS		CARD INFO		SMPL	LOGS		SMPL	DATA SOURCE			COMP. CARD/LOG					
	DEPTH	DATUM	DEPTH	DATUM	DEPTH	DATUM	CORR.	DEPTH	DATUM	CORR.	DEPTH	DATUM	CORR.	DEPTH	DATUM	CORR.	DEPTH	DATUM	CORR.
ANHYDRITE TOP	1811	354	1812	353	1843	352	+ 1				1845	375	- 22	1985	335	+ 18			
BASE	1836	329	1836	329															
TARKIO																			
TOPEKA	3187	-1022	3191	-1026	3224	-1029	+ 3	3331	-1033	+ 7	3245	-1025	- 1						
OREAD																			
HEEBNER SHALE	3394	-1229	3388	-1223	3422	-1227	+ 4	3534	-1236	+ 13	3438	-1218	- 5	3544	-1224	+ 1			
TORONTO	3422	-1257	3409	-1244	3446	-1251	+ 7	3562	-1264	+ 20	3462	-1242	- 2	3571	-1251	+ 7			
DOUGLAS																			
BROWN LIME																			
LKC	3440	-1275	3429	-1264	3465	-1270	+ 6	3579	-1281	+ 17	3485	-1265	+ 1	3590	-1270	+ 6			
BKC	3632	-1467	3620	-1455	3660	-1465	+ 10	3787	-1489	+ 34	3690	-1470	+ 15	3777	-1457	+ 2			
CONGOMLERATE/QTZ																			
MISSISSIPPIAN																			
VIOLA																			
SIMPSON SHALE																			
ARBUCKLE	3707	-1542	3700	-1535	3739	-1544	+ 9	3876	-1578	+ 43	3760	-1540	+ 5	3860	-1540	+ 5			
RTD			3745	-1580	3790	-1595	+ 15	3900	-1602	+ 22	3802	-1582	+ 2	3895	-1575	- 5			
LTD	3747	-1582			3786	-1591													

DST #1 TORONTO, LKC "A"

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT	
	Black Diamond Oil, Inc. PO Box 641 Hays, KS. 67601 ATTN: Jeff Lawler	20-3s-20w-Phillips Schemper #1 Job Ticket: 46432 DST#: 1 Test Start: 2012.02.18 @ 00:09:36

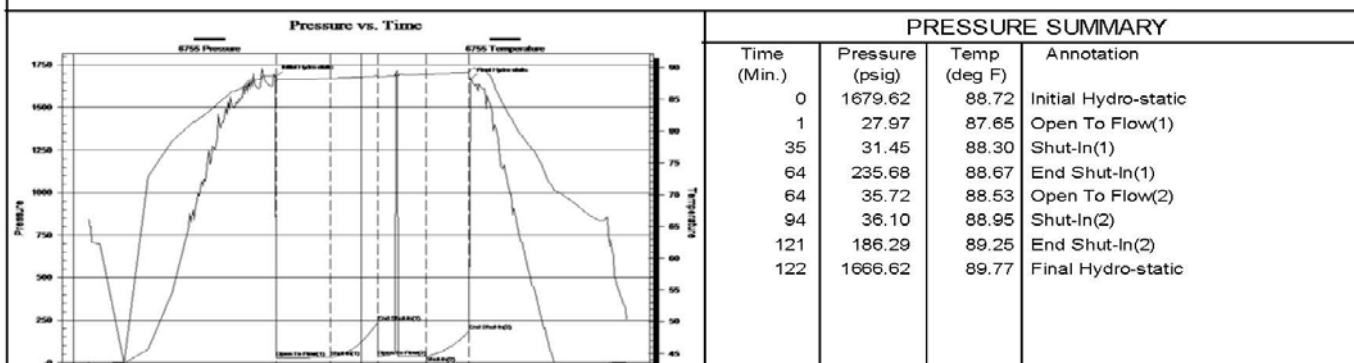
GENERAL INFORMATION:

Formation:	Toronto-LKC "A"		Test Type:	Conventional Bottom Hole (Initial)	
Deviated:	No	Whipstock:	0.00 ft (KB)	Tester:	Jason McLemore
Time Tool Opened:	02:06:36		Unit No:	000000000000054	
Time Test Ended:	05:45:51		Reference Elevations:	2165.00 ft (KB)	
Interval:	ft (KB) To	ft (KB) (TVD)		2160.00 ft (CF)	
Total Depth:	3440.00 ft (KB) (TVD)		KB to GR/CF:	5.00 ft	
Hole Diameter:	7.80 inches		Hole Condition:	Good	

Serial #: 6755 **Inside**

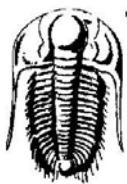
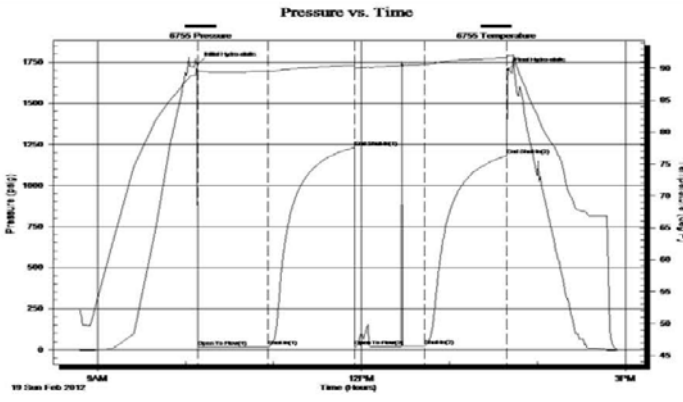
Press@RunDepth:	36.10 psig @	3422.00 ft (KB)	Capacity:	8000.00 psig
Start Date:	2012.02.18	End Date:	2012.02.18	
Start Time:	00:09:38	End Time:	05:45:51	
			Time On Btm:	2012.02.18 @ 02:06:21
			Time Off Btm:	2012.02.18 @ 04:08:06

TEST COMMENT: IFP-Surge Upon Open, Dead
ISI-Dead
FFP-Dead, Flush, Surge, Dead
FSI-Dead



Printed: 2012.02.19 @ 03:52:35

DST #3 LKC " I "

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT																																																						
	Black Diamond Oil, Inc. PO Box 641 Hays, KS. 67601 ATTN: Jeff Lawler		20-3s-20w-Phillips Schemper #1 Job Ticket: 46434 DST#: 3 Test Start: 2012.02.19 @ 08:47:54																																																				
GENERAL INFORMATION: Formation: I Deviated: No Whipstock: 0.00 ft (KB) Time Tool Opened: 10:08:39 Time Test Ended: 14:54:54 Interval: ft (KB) To ft (KB) (TVD) Total Depth: 3580.00 ft (KB) (TVD) Hole Diameter: 7.80 inches Hole Condition: Good Test Type: Conventional Bottom Hole (Reset) Tester: Jason McLemore Unit No: 000000000000054 Reference Elevations: 2165.00 ft (KB) 2160.00 ft (CF) KB to GR/CF: 5.00 ft																																																							
Serial #: 6755 Inside Press@RunDepth: 22.54 psig @ 3562.00 ft (KB) Start Date: 2012.02.19 End Date: 2012.02.19 Start Time: 08:47:56 End Time: 14:54:54 Capacity: 8000.00 psig Last Calib.: 2012.02.19 Time On Btm: 2012.02.19 @ 10:08:24 Time Off Btm: 2012.02.19 @ 13:39:54																																																							
TEST COMMENT: IFP-Weak Blow, Built to 2-1/2" ISI-Dead FFP-Dead, Flush Tool. Surge, then Dead FSI-Dead																																																							
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Trilobite Testing, Inc

Ref. No: 46434

Printed: 2012.02.19 @ 17:13:03

DST #4 LKC "J"

 TRILOBITE TESTING, INC.	DRILL STEM TEST REPORT		
	Black Diamond Oil, Inc. PO Box 641 Hays, KS. 67601 ATTN: Jeff Lawler		20-3s-20w-Phillips Schemper #1 Job Ticket: 46435 DST#: 4 Test Start: 2012.02.19 @ 20:08:35

GENERAL INFORMATION:

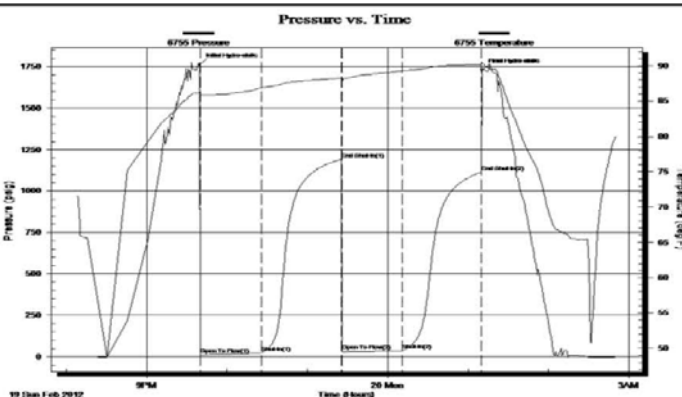
Formation: I
 Deviated: No Whipstock: 0.00 ft (KB)
 Time Tool Opened: 21:40:05
 Time Test Ended: 02:49:50
 Interval: ft (KB) To ft (KB) (TVD)
 Total Depth: 3590.00 ft (KB) (TVD)
 Hole Diameter: 7.80 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Jason McLemore
 Unit No: 000000000000054
 Reference Elevations: 2165.00 ft (KB)
 2160.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6755

Inside

Press@RunDepth: 35.18 psig @ 3577.00 ft (KB)
 Start Date: 2012.02.19 End Date: 2012.02.20
 Start Time: 20:08:37 End Time: 02:49:50
 Capacity: 8000.00 psig
 Last Calib.: 2012.02.20
 Time On Btm: 2012.02.19 @ 21:39:35
 Time Off Btm: 2012.02.20 @ 01:10:20

TEST COMMENT: IFP-Weak Blow, Built to 2-1/2"
 ISI-Surface Blowback at end of Period
 FFP-Weak Blow, Built to 3"
 FSI-Surface Blowback for 10 Min.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1763.64	86.24	Initial Hydro-static
1	12.38	85.76	Open To Flow(1)
46	22.79	86.88	Shut-In(1)
106	1190.72	88.27	End Shut-In(1)
107	31.02	87.62	Open To Flow(2)
151	35.18	89.26	Shut-In(2)
211	1114.69	90.21	End Shut-In(2)
211	1728.71	90.36	Final Hydro-static

Recovery

Length (ft)	Description	Volume(bbl)
35.00	Free Oil	0.17
30.00	HOCM-50% O-50% M	0.15

** Recovery from multiple tests

Gas Rates

	Choke(inches)	Pressure (psig)	Gas Rate(Mcf/d)
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Trilobite Testing, Inc

Ref. No: 46435

Printed: 2012.02.20 @ 03:42:37

ROCK TYPES

Cht vari	Lmst fw7>	shale, red	Dol Lime
Chtcong1	shale, grn	Ss	CglSandy
Dolprim	shale, gry	Siltst	Arg/Shale
Lmst fw<7	Carbon Sh	Lscong1	

ACCESSORIES

STRINGER

Chert
 Dolomite
 Limestone
 Sandstone
 Shale

OTHER SYMBOLS

DST

DST Int
 DST alt
 Core

Curve Track #1					TG, C1 - C5
ROP (min/ft)					Total Gas (units)
Gamma (API)					C1 (units)

