



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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

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



1074041

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

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

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
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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> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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API # 15-147-20669-00-00

Operator: Black Diamond Oil, Inc. Well Name & No: Schemper #1
 Location: 1810 FSL & 750 FEL, Section 20-3s-20w County: Phillips State: Kansas
 Rig No.: 6 Contractor: WW Drilling, LLC Tool Pusher: John Mayers 785-259-4392
 Drill Collars: 14 Size: 6 1/4 x 2 1/4 Rig Phone: 785-259-6941
 Make Pump: National K-380 Liner & Stroke: 6 x 14 Spud 2/14/12 @ 8:45 pm
 Approx. TD: 3700 Elevation: 2160 K.B. 2165 KB Hole Complete: 2/20/2012 @ 2:00 pm
 Mud Co.: Andy's Mud Mud Engineer: Kirk Werth Water Pond

Date	02/14/12	02/15/12	02/16/12	02/17/12	02/18/12	02/19/12	02/20/12	02/21/12		
Days	1-spud	2-woc	3-drlg	4-drlg	5-dst #1	6-cfs	7-cfs	8-done		
Depth		219	2252	3170	3440	3580	3610	3745		
Ft. Cut		219	2033	918	270	140	30	135		
D.T.										
D.T.		5.75 woc	2.25 woc	.25 pump	.25-wop		.25-wop			
C.T.					13.75	16	22.25	18.75		
Bit Wt.	all	20,000	30000	38000	38,000	38,000	38000	38,000		
RPM	100	90	85	85	85	85	85	85		
Pressure	450	500	750	850	850	850	850	900		
SPM	60	60	60	60	60	60	60	60		
Mud Cost				8387	8387	8387	8387	8870		
Mud Wt.		8.7	9	8.8	9	9	9.2	9.2		
Viscosity		28	29	66	59	56	55	57		
Water Loss				6.8	6.8	6.8	8	7.6		
Chlorides				800	800	800	1000	2000		
L.C.M.				2 #	2.5#	2#	1 #	1 #		
Dev. Sur		1/2"-219			1"-3440			3/4"-3745		
Dev. Sur										
Fuel	2592	2311	2187	1782	2916	2592	2268	2106		
Water-Pit	2'	1'	2'	full	full	4'	4'	3'		
ACC Bit Hrs.			20.5	41.75	51.75	59.75	61.25	67.5		
Formation	sd-sh	sd-sh	sd-sh	sh-lm	sh-lm	sh-lm	sh-lm	dol		
Weather	clear	cloudy	ply-cldy	clear	clear	p/cloudy	cloudy	cloudy		

No.	Size	Type	Out	Ft.	Hrs.	Cum Hrs.	Bit Cond	Serial #	Tops
1	12 1/4	Smith	219	219	2.25	2.25	RR	PD 6528	
2	7 7/8	Sm - F-27	3745	3526	67.5	69.75	New	PX 0512	53.7 fph
3									
4									

DEPTH	SIZE	SACKS	CEMENT MATERIAL	PLUG DOWN	DRILLED OUT	REMARKS
218	8 5/8	150	Common, 3% cc, 2% gel	1:15 AM	9:15 AM	Allied Cem. Did circulate

NO	INTERVAL	OPEN	SHUT	OPEN	SHUT	RECOVERY
1	3386-3440	30	30	30	30	3' mud
2	3485-3523	30	60	45	90	125' mw
3	3559-3580	45	60	45	60	5' mud
4	3574-3590	45	60	45	60	70' heavy oil cut mud
5						
6						
7						
8						
9						

Surface Casing Furnished by: Midwest Pipe, Milden, 5 joints, 8 5/8 23 #, lally 212.81', set @ 218'
 Remarks: Strap & weld surface by Micheals, Anhydrite 1812'-1836'. Displace complete @ 2957' (600 bbls). Short trip @ 3440', 36 stands (2.25 hrs). Short trip @ 3745(10 stds)(3/4 hr), logged by Superior (LTD-3747)(4.5 hrs), plugged hole 25 sx @ 3687', 25 sx @ 1820', 100 sx @ 1160', 40 sx @ 270', 10 sx @ 40', 30 sx rathole, total 230 sx-60/40 poz-4% gel-1/4# per sx floseal, plug down @ 6:15 am by Allied Cem, rig released @ 8:15 am on 2/21/2012.

ALLIED OIL & GAS SERVICES, LLC 056902

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: R103-11

DATE <u>2-15-12</u>	SEC. <u>20</u>	TWP. <u>3</u>	RANGE <u>20</u>	CALLED OUT	ON LOCATION	JOB START <u>100</u>	JOB FINISH <u>130</u>
LEASE <u>Schemper</u>		WELL # <u>1</u>	LOCATION <u>Logan - Co. H, 1/2 N</u>			COUNTY <u>Phillips</u>	STATE <u>KS</u>
OLD OR <u>NEW</u> (Circle one)			<u>w into</u>				

CONTRACTOR WW @

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 220

CASING SIZE 8 5/8 DEPTH 219.81

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 10

CEMENT LEFT IN CSG. 10 Gals

PERFS.

DISPLACEMENT 13 bbl

OWNER

CEMENT

AMOUNT ORDERED 150 sks 3cc 2 1/2 GEL

COMMON	<u>150 sks</u>	@	<u>16.25</u>	<u>2437.50</u>
POZMIX		@		
GEL	<u>3 sks</u>	@	<u>21.25</u>	<u>63.75</u>
CHLORIDE	<u>5 sks</u>	@	<u>58.20</u>	<u>291.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>158 sks</u>	@	<u>2.25</u>	<u>355.50</u>
MILEAGE	<u>99 x 15.28</u>	<u>.11</u>		<u>1720.62</u>
TOTAL				<u>4868.37</u>

EQUIPMENT

PUMP TRUCK CEMENTER TRAK - BOB

409 HELPER tony

BULK TRUCK DRIVER Chris

378

BULK TRUCK DRIVER

#

REMARKS:

Leakage mud

Pumped 150 sks class A 3cc 2 1/2 GEL

Displaced 13 bbl H₂O

Cement circulated to surface

NO plug

SERVICE

DEPTH OF JOB	<u>219</u>		
PUMP TRUCK CHARGE			<u>6125.00</u>
EXTRA FOOTAGE		@	<u>.95</u>
MILEAGE	<u>99 mi HV</u>	@	<u>7.00</u>
MANIFOLD		@	
	<u>99 @ MILV</u>	@	<u>4.00</u>
		@	
		@	

CHARGE TO: Black Diamond Oil Inc

STREET _____

CITY _____ STATE _____ ZIP _____

TOTAL 2214⁰⁰

PLUG & FLOAT EQUIPMENT

_____	@	_____
_____	@	_____
_____	@	_____



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Black Diamond Oil, Inc.

20-3s-20w-Phillips

PO Box 641
Hays, KS. 67601

Schemper #1

Job Ticket: 46434

DST#: 3

ATTN: Jeff Lawler

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

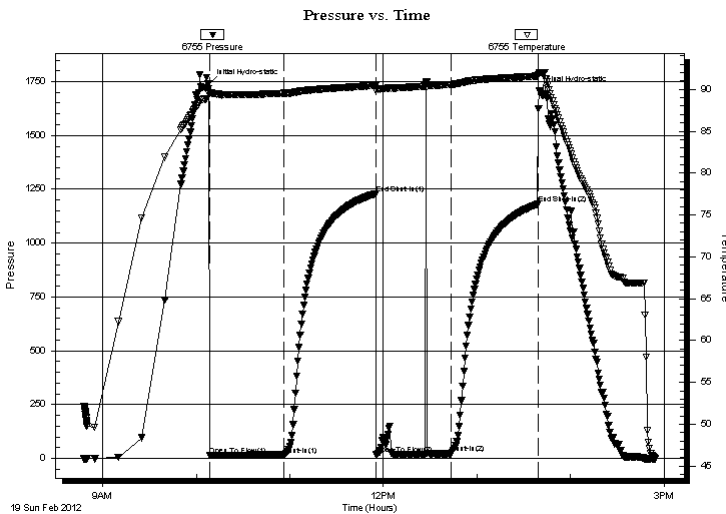
Serial #: 6755

Inside

Press @ Run Depth: 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

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1742.49	90.12	Initial Hydro-static
1	13.82	89.56	Open To Flow (1)
48	16.60	89.54	Shut-In(1)
107	1229.88	90.46	End Shut-In(1)
107	18.47	89.85	Open To Flow (2)
155	22.54	90.58	Shut-In(2)
211	1181.11	91.58	End Shut-In(2)
212	1707.37	92.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling Mud	0.02

Gas Rates

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

* Recovery from multiple tests



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Black Diamond Oil, Inc.

20-3s-20w-Phillips

PO Box 641
Hays, KS. 67601

Schemper #1

Job Ticket: 46434

DST#: 3

ATTN: Jeff Lawler

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

Test Type: Conventional Bottom Hole (Reset)

Tester: Jason McLemore

Unit No: 000000000000054

Interval: ft (KB) To ft (KB) (TVD)

Total Depth: 3580.00 ft (KB) (TVD)

Hole Diameter: 7.80 inches Hole Condition: Good

Reference Elevations: 2165.00 ft (KB)

2160.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 8289 Outside

Press @ Run Depth: psig @ 3562.00 ft (KB)

Start Date: 2012.02.19 End Date: 2012.02.19

Start Time: 08:45:57 End Time: 14:53:25

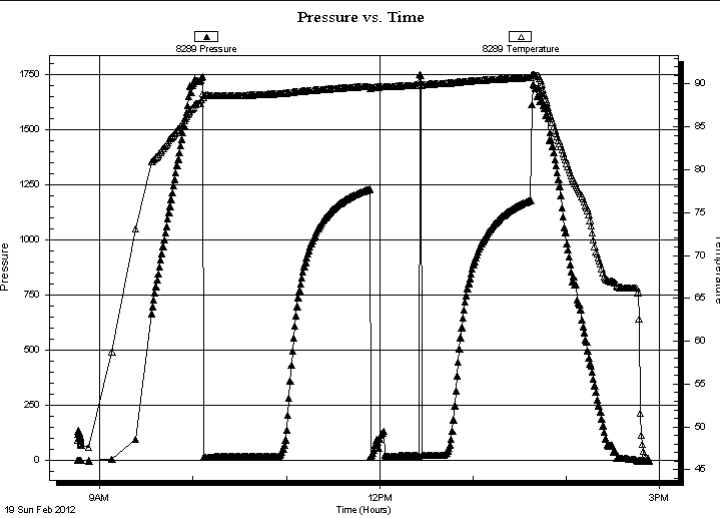
Capacity: 8000.00 psig

Last Calib.: 2012.02.19

Time On Btm:

Time Off Btm:

TEST COMMENT: IFP-Weak Blow, Built to 2-1/2"
ISI-Dead
FFP-Dead, Flush Tool. Surge, then Dead
FSI-Dead



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Drilling Mud	0.02

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Black Diamond Oil, Inc.

20-3s-20w-Phillips

PO Box 641
Hays, KS. 67601

Schemper #1

Job Ticket: 46434

DST#: 3

ATTN: Jeff Lawler

Test Start: 2012.02.19 @ 08:47:54

Tool Information

Drill Pipe:	Length: 3430.00 ft	Diameter: 3.80 inches	Volume: 48.11 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 120.00 ft	Diameter: 2.25 inches	Volume: 0.59 bbl	Weight to Pull Loose:	38000.00 lb
			<u>Total Volume: 48.70 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	12.00 ft			String Weight: Initial	36000.00 lb
Depth to Top Packer:	3559.00 ft			Final	36000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	21.00 ft				
Tool Length:	42.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		
Tool Comments:					

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3539.00	
Shut In Tool	5.00			3544.00	
Hydraulic tool	5.00			3549.00	
Packer	5.00			3554.00	21.00 Bottom Of Top Packer
Packer	5.00			3559.00	
Stubb	1.00			3560.00	
Perforations	2.00			3562.00	
Recorder	0.00	6755	Inside	3562.00	
Recorder	0.00	8289	Outside	3562.00	
Perforations	15.00			3577.00	
Bullnose	3.00			3580.00	21.00 Bottom Packers & Anchor

Total Tool Length: 42.00

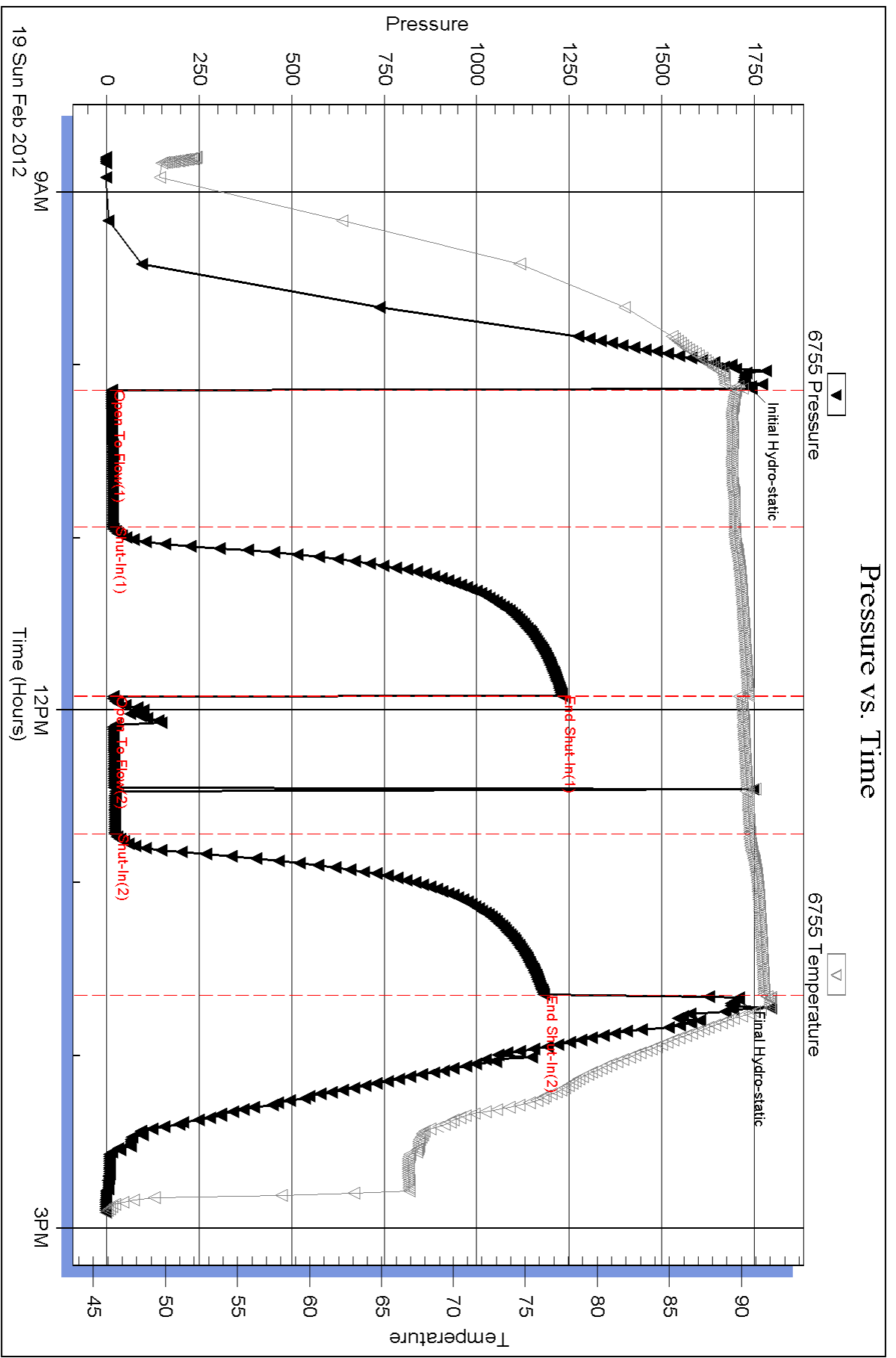
Serial #: 6755

Inside

Black Diamond Oil, Inc.

Schenper #1

DST Test Number: 3



Serial #: 8289

Outside Black Diamond Oil, Inc.

Schemper #1

DST Test Number: 3

