

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 7076
Name: Black Diamond Oil, Inc.
Address 1: PO Box 641
Address 2: _____
City: Hays State: KS Zip: 67601 + _____
Contact Person: Kenneth Vehige
Phone: (785) 625-5891
CONTRACTOR: License # 31548
Name: Discovery Drilling Co., Inc.
Wellsite Geologist: Jeff Lawler
Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SLOW
 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 #: _____

12/13/2011	12/17/2011	12/18/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 051-26-246-0000

Spot Description: _____

SE NW NW NE Sec. 9 Twp. 13 S. R. 18 East West

400 Feet from North / South Line of Section

2,210 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Ellis

Lease Name: Buckeye Well #: 1-9

Field Name: Wildcat

Producing Formation: None

Elevation: Ground: 2157 Kelly Bushing: 2165

Total Depth: 3745 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 222.58 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: 17,000 ppm Fluid volume: 320 bbls

Dewatering method used: Evaporation

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

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

County: _____ Permit #: _____

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INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2073, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: [Signature]
Title: Pres Date: 4/10/12

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: [Signature] Date: 4/24/12

Operator Name: Black Diamond Oil, Inc. Lease Name: Buckeye Well #: 1-9
 Sec. 9 Twp. 13 S. R. 18 East West County: Ellis

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Density/Neutron, Dual Induction & Micro	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>1491</td> <td>+674</td> </tr> <tr> <td>Topeka</td> <td>3177</td> <td>-1012</td> </tr> <tr> <td>Heebner</td> <td>3435</td> <td>-1270</td> </tr> <tr> <td>Lansing KC</td> <td>3485</td> <td>-1320</td> </tr> <tr> <td>BKC</td> <td>3704</td> <td>-1539</td> </tr> </table>	Name	Top	Datum	Anhydrite	1491	+674	Topeka	3177	-1012	Heebner	3435	-1270	Lansing KC	3485	-1320	BKC	3704	-1539
Name	Top	Datum																	
Anhydrite	1491	+674																	
Topeka	3177	-1012																	
Heebner	3435	-1270																	
Lansing KC	3485	-1320																	
BKC	3704	-1539																	

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
Surface Pipe	12 1/4	8 5/8	23	222.58	Common	150	2%Gel&3%CC

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				

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

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TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. _____		Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> 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) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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QUALITY OILWELL CEMENTING, INC.

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

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

No. 095

Date	Sec.	Twp.	Range	County	State	On Location	Finish
12-13-11	9	13	18	Ellis	KS		7:00 pm
Lease Buckeye		Well No. 1-9		Location Haysen Fwy Lot #2 1/2 W-Sinto			
Contractor D. Swartz #1				Owner			
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. 222		Charge To Black Diamond			
Csg. 8 5/8		Depth 222		Street			
Tbg. Size		Depth		City			
Tool		Depth		State			
Cement Left in Csg. 15		Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.			
Meas Line		Displace 1386		Cement Amount Ordered 150 Can 3 1/2 x 2 1/2 gal			
EQUIPMENT							
Pumptrk 5	No.	Cement Helper		Common			
Bulktrk	No.	Driver Driver	Graig	Poz. Mix			
Bulktrk 14	No.	Driver Driver	BUTT	Gel.			
JOB SERVICES & REMARKS							
Remarks:				Calcium			
Rat Hole				Hulls			
Mouse Hole				Salt			
Centralizers				Flowseal			
Baskets				Kol-Seal			
D/V or Port Collar				Mud CLR 48			
8 5/8 on bottom. Est Circulation.				CFL-117 or CD110 CAF 38			
Mix 150 Can Displace.				Sand			
Cement Circulation!				Handling			
				Mileage			
FLOAT EQUIPMENT							
				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
				Pumptrk Charge			
				Mileage			
				Tax			
				Discount			
				Total Charge			
X Signature <i>Bill Mayfield</i>							

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CEMENTING LOG

STAGE NO. _____

Date 12-10-11 District Ark., K. Ticket No. 36140
 Company Black Diamond Rig D-COR 24-1
 Lease Blue Kops Well No. 1-9
 County Ellis State KS
 Location 9-13-15 Field _____
11000 S 30 1/2 W 5 N 15

CEMENT DATA:
 Spacer Type: Water
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
355'

CASING DATA
 Conductor PTA Squeeze Misc
 Surface Intermediate Production Liner
 Size _____ Type _____ Weight _____ Collar _____

LEAD: Pump Time _____ hrs. Type 6090 400 gal
1411.5 / 1.412 Excess _____
 Amt. 350 Sks Yield 1.412 ft³/sk Density 12.72 PPG

Casing Depths: Top _____ Bottom _____

TAIL: Pump Time _____ hrs. Type _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG
 WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.

Drill Pipe: Size 4 1/2 Weight _____ Collars _____
 Open Hole: Size 7 1/2 T.D. 3775 ft. P.B. to 1475 ft.

Pump Trucks Used 4/21 11000
 Bulk Equip. 404 Power Dan

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. 1.01422 Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

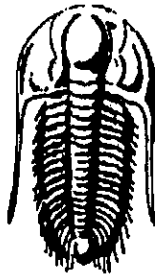
Float Equip: Manufacturer _____
 Shoe: Type _____ Depth _____
 Float: Type _____ Depth _____
 Centralizers: Quantity _____ Plugs Top _____ Btm. _____
 Stage Collars _____
 Special Equip. _____
 Disp. Fluid Type water Amt. 1142 Bbls. Weight _____ PPG
 Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE _____

CEMENTER LOR

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	AM/PM	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	
10:30					50	Start water
					30	Start cement 25K at 1415'
					14.42	stop cement
						Work up pump & cement plug
						with water
					30	Start cement 1005' at 825'
						stop cement
						Displace with water
					30	Start cement 45' at 275'
						stop cement
					10	work with water
						Push slugs with
						mix 125K at top
						Plug cement 15710'
11:30						Plug cement 303K

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**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Prepared For: **Black Diamond Oil inc.**

PO Box 641
Hays, KS 67601+0641

ATTN: Jeff Lawler

Buckeye #1-9

9-13s-18w Ellis,KS

Start Date: 2011.12.18 @ 12:13:05

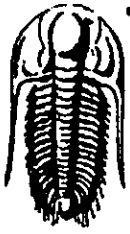
End Date: 2011.12.18 @ 17:25:20

Job Ticket #: 44586 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

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Black Diamond Oil inc. 9-13s-18w Ellis,KS Buckeye #1-9 DST # 1 LKC'A-C' 2011.12.18



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

Black Diamond Oil Inc.
PO Box 641
Hays, KS 67601+0641
ATTN: Jeff Lawler

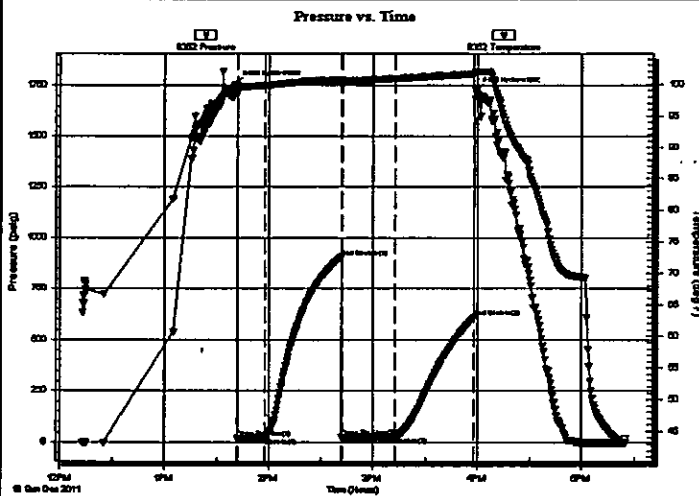
9-13s-18w Ellis,KS
Buckeye #1-9
Job Ticket: 44586 **DST#: 1**
Test Start: 2011.12.18 @ 12:13:05

GENERAL INFORMATION:

Formation: **LKC"A-C"**
Deviated: No Whipstock: ft (KB) Test Type: Conventional Straddle (Initial)
Time Tool Opened: 13:41:50 Tester: Andy Carreira
Time Test Ended: 17:25:20 Unit No: 39
Interval: **3460.00 ft (KB) To 3540.00 ft (KB) (TVD)** Reference Elevations: 2165.00 ft (KB)
Total Depth: 3746.00 ft (KB) (TVD) 2158.00 ft (CF)
Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 7.00 ft

Serial #: 8352 Outside
Press@RunDepth: 27.36 psig @ 3467.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.12.18 End Date: 2011.12.18 Last Calib.: 2011.12.18
Start Time: 12:13:05 End Time: 17:25:20 Time On Btm: 2011.12.18 @ 13:40:30
Time Off Btm: 2011.12.18 @ 15:59:00

TEST COMMENT: IF:(15min) Weak Surface Blow
IS:(45min) No Return
FF:(30min) Weak intermittent surface blow
FS:(45min) No Return



PRESSURE SUMMARY

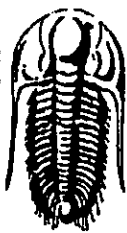
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1754.88	99.57	Initial Hydro-static
2	19.07	98.67	Open To Flow (1)
17	22.64	99.80	Shut-In(1)
62	904.85	100.69	End Shut-In(1)
62	22.89	100.08	Open To Flow (2)
92	27.36	100.86	Shut-In(2)
138	609.02	101.55	End Shut-In(2)
139	1723.70	101.89	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud	0.10

Gas Rates

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



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Black Diamond Oil inc.

9-13s-18w Ellis, KS

PO Box 641
Hays, KS 67601+0641

Buckeye #1-9

Job Ticket: 44586

DST#: 1

ATTN: Jeff Lawler

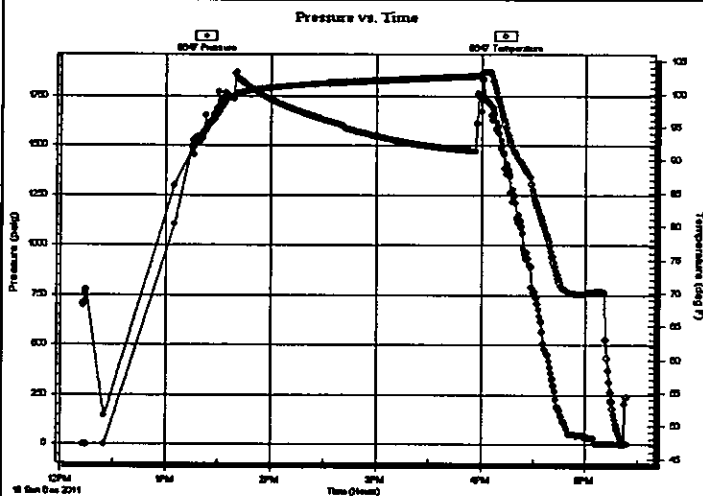
Test Start: 2011.12.18 @ 12:13:05

GENERAL INFORMATION:

Formation: LKC"A-C"	Test Type: Conventional Straddle (Initial)
Deviated: No Whipstock ft (KB)	Tester: Andy Carreira
Time Tool Opened: 13:41:50	Unit No: 39
Time Test Ended: 17:25:20	Reference Elevations: 2165.00 ft (KB)
Interval: 3460.00 ft (KB) To 3540.00 ft (KB) (TVD)	2158.00 ft (CF)
Total Depth: 3746.00 ft (KB) (TVD)	KB to GR/CF: 7.00 ft
Hole Diameter: 7.88 inches	Hole Condition: Fair

Serial #: 8647	Below (Straddle)	Capacity: 8000.00 psig
Press@RunDepth: psig @ 3553.00 ft (KB)	Start Date: 2011.12.18	Last Calib.: 2011.12.18
End Date: 2011.12.18	Start Time: 12:13:05	End Time: 17:23:59
Time On Btm	Time Off Btm	

TEST COMMENT: IF:(15min) Weak Surface Blow
 IS:(45min) No Return
 FF:(30min) Weak intermittent surface blow
 FS:(45min) No Return



PRESSURE SUMMARY

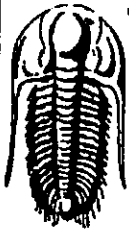
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
20.00	Mud	0.10

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Black Diamond Oil inc.
PO Box 641
Hays, KS 67601+0641
ATTN: Jeff Lawler

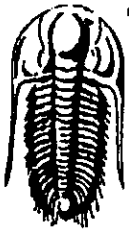
9-13s-18w Ellis,KS
Buckeye #1-9
Job Ticket: 44586 DST#: 1
Test Start: 2011.12.18 @ 12:13:05

Tool Information

Drill Pipe:	Length: 3430.00 ft	Diameter: 3.80 inches	Volume: 48.11 bbl	Tool Weight: 4000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.70 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 30.50 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 65000.00 lb
		Total Volume: 48.26 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	20.50 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3460.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	3540.00 ft			
Interval between Packers:	80.00 ft			
Tool Length:	310.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3441.00	
Shut In Tool	5.00			3446.00	
Hydraulic tool	5.00			3451.00	
Packer	5.00			3456.00	20.00 Bottom Of Top Packer
Packer	4.00			3460.00	
Stubb	1.00			3461.00	
Perforations	5.00			3466.00	
Change Over Sub	1.00			3467.00	
Recorder	0.00	8017	Inside	3467.00	
Recorder	0.00	8352	Outside	3467.00	
Drill Pipe	63.00			3530.00	
Change Over Sub	1.00			3531.00	
Perforations	5.00			3536.00	
Blank Off Sub	1.00			3537.00	
Blank Spacing	3.00			3540.00	80.00 Tool Interval
Packer	4.00			3544.00	
Stubb	1.00			3545.00	
Perforations	7.00			3552.00	
Change Over Sub	1.00			3553.00	
Recorder	0.00	8647	Below	3553.00	
Drill Pipe	188.00			3741.00	
Change Over Sub	1.00			3742.00	
Perforations	5.00			3747.00	
Bullnose	3.00			3750.00	210.00 Bottom Packers & Anchor
Total Tool Length:	310.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Black Diamond Oil inc.

9-13s-18w Ellis,KS

PO Box 641
Hays, KS 67601+0641

Buckeye #1-9

Job Ticket: 44586

DST#: 1

ATTN: Jeff Lawler

Test Start: 2011.12.18 @ 12:13:05

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	Mud	0.098

Total Length: 20.00 ft Total Volume: 0.098 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

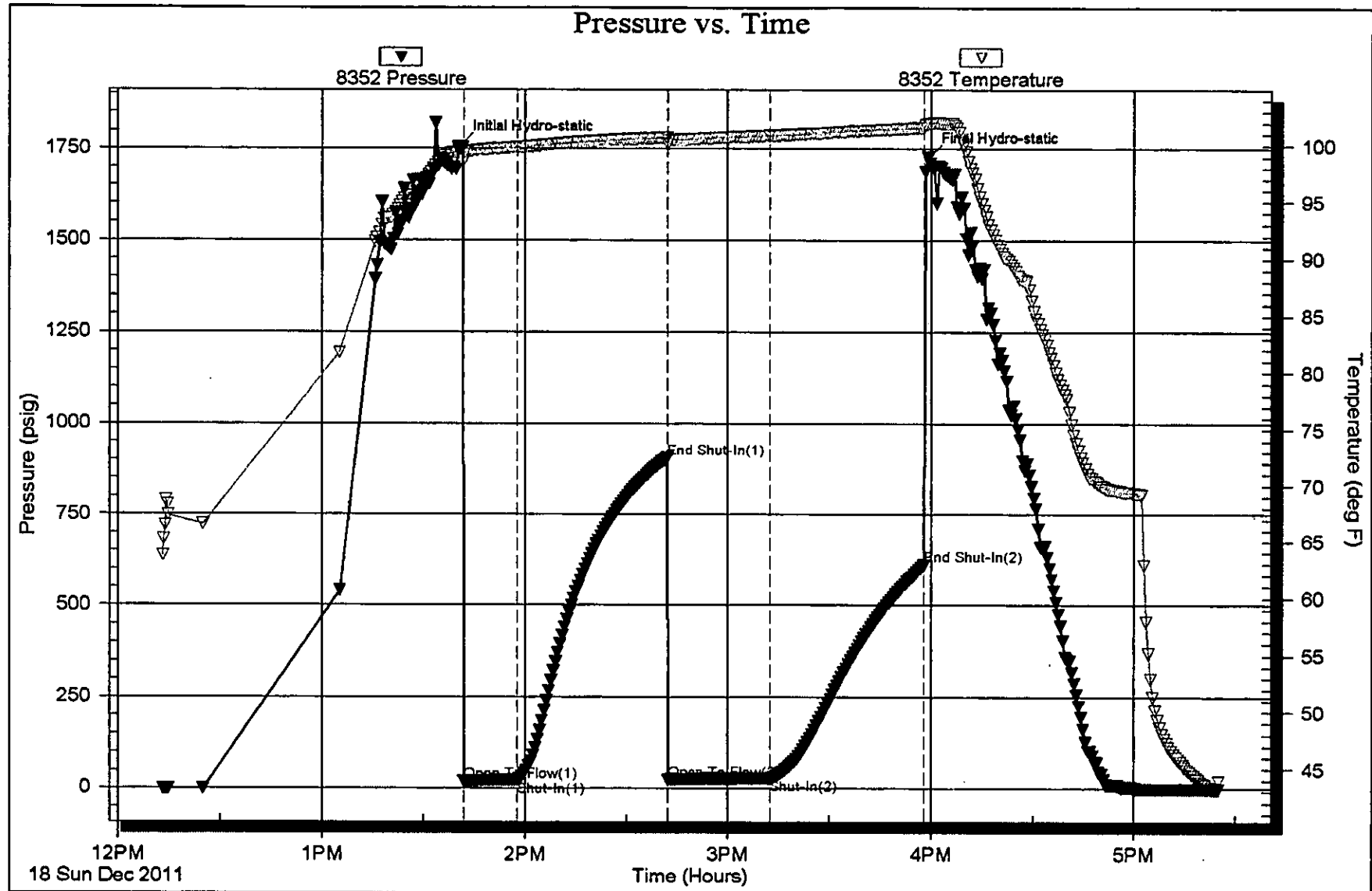
Recovery Comments:

Serial #: 8352

Outside Black Diamond Oil Inc.

Buckeye #1-9

DST Test Number: 1



Serial #: 8647

Below (Strat) Diamond Oil inc.

Buckeye #1-9

DST Test Number: 1

