

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: P.O. 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: Tony Richardson
Purchaser: _____

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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 #: _____

7/19/2010	7/24/2010	8/6/2010
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 051-25,995-00-00
Spot Description: _____
C W/2 NE SE Sec. 21 Twp. 11 S. R. 19 East West
1,980 Feet from North / South Line of Section
990 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Ellis
Lease Name: Solomon Well #: 5
Field Name: Solomon
Producing Formation: Arbuckle
Elevation: Ground: 1972 Kelly Bushing: 1980
Total Depth: 3580 Plug Back Total Depth: 3546
Amount of Surface Pipe Set and Cemented at: 221.12 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: _____ Feet
If Alternate II completion, cement circulated from: 3579
feet depth to: Surface w/ 405 sks(circ 45 sks to pit) sx cmt.
(30 sks In Rat Hole)(15 sks In Mouse Hole)

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 #: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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: Melissa Leindorfer
Title: Office manager Date: 10-7-10

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: Dg Date: 10/14/10

Operator Name: Black Diamond Oil, Inc. Lease Name: Solomon Well #: 5
 Sec. 21 Twp. 11 S. R. 19 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run: Dual Induction, Micro, Neutron/Density	<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>1279</td> <td>+701</td> </tr> <tr> <td>Topeka</td> <td>2936</td> <td>-956</td> </tr> <tr> <td>Heebner</td> <td>3156</td> <td>-1176</td> </tr> <tr> <td>Lansing KC</td> <td>3200</td> <td>-1220</td> </tr> <tr> <td>Arbuckle</td> <td>3496</td> <td>-1516</td> </tr> </table>	Name	Top	Datum	Anhydrite	1279	+701	Topeka	2936	-956	Heebner	3156	-1176	Lansing KC	3200	-1220	Arbuckle	3496	-1516
Name	Top	Datum																	
Anhydrite	1279	+701																	
Topeka	2936	-956																	
Heebner	3156	-1176																	
Lansing KC	3200	-1220																	
Arbuckle	3496	-1516																	

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	221.12	Common	150	2%Gel3%CC
Production St.	7 7/8	5 1/2	15.5	3579	SMDC	405	

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 (Amount and Kind of Material Used)	Depth
4	3524-26	1500 gals 28% NE	

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TUBING RECORD: Size: <u>2 7/8</u> Set At: <u>3520</u> Packer At: <u>None</u>		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>8/17/2010</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____	
Estimated Production Per 24 Hours	Oil Bbls. <u>10</u>	Gas Mcf <u>0</u>	Water Bbls. <u>50</u>
Gas-Oil Ratio		Gravity <u>22</u>	

DISPOSITION OF GAS: <input checked="" 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3524-26</u>
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SWIFT Services, Inc.

DATE 07/24/10 PAGE NO. 1

OWNER
BLANCHARD OIL

WELL NO. 5

LEASE SOCOMON

JOB TYPE
CONCRETE

TICKET NO. 18042

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL)(GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1700							ONLOCATION CMT: 450 GAL SMD 1/4" P20 P70.3580. SET P/AE 3579. SJ 3120, 72007 3548 5/2 15S 1/4 CENT 1,3,5,7,9,11,13,15 BAKER 2, 4, 54 JOINTS OUT 81, 82, 83, 84, 85, 94
	1715							START C&A FEATHER
	1830							TAG BOTTOM 1 DFT HIGH
	1845							CIRC - CIRC DOWN GOOD BOTTOM 10" UP
	1915		7.5					PLUG PH 30, MH 15
	1920	5.5	12		✓		300	MUD FLUSH 500 GALS
		}	20		✓		300	WCL FLUSH
			0		✓		300	SMD CMT 210 SWS @ 11.2" / S12
			115		✓		300	" " 100 SWS @ 12.7" / S12
			151		-		400	" " 100 SWS @ 14.5" / S12
	2020		180		-		400	END 410 SWS TOTAL DROP L.D. PLUG. WASH OUT PL.
	2025	5.5	0		-		400	START DISP
		}	40		-		400	
			60		-		700	CIRCCMT TOP 17! 45 SWS
			70		-		800	<u>David</u>
			75		-		800	<u>Michael D. Louch</u>
			80		-		900	<u>Doc Bell</u>
	2020	4.5	84.3		-		1400	LAND PLUG
	2025							RELEASE CMT
	2100							JOB COMPLETE
								THANK YOU! DAVE, JAMES, JOHN

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Discovery Drilling

OPERATOR: BLACK DIAMOND OIL, INC.

LEASE: SOLOMON # 5

RIG # 4

DATE: July 20, 2010

DEPTH @ 7:00 A.M. 700

PRESENT OPERATIONS: Drilling

DEPTH PREVIOUS @ 7:00 A.M. 0

PROGRESS: 700

MUD VIS. 27

WT. 9.0

W.L. N/C

DOWNTIME: 3/4 Hr.

REASON: Mud Pump

FUEL 49"

OILS 14"C 16"90wt 18"M PRO-PANE 80%

WATER Tank(full) Pit(full)

REMARKS: Bit # 2= 5 3/4 Hrs-Ran 5 Joints New 23# 8 5/8" Casing

DRILLING 7 1/2 Rig Up 3 1/2

Tally 211 Set @ 221' KB Cement By Quality W/150sks

CONN 2 1/2 Rat Hole 1/2

Common 2%Gel&3%CC(Did Circ) Completed @ 3:15PM 7/19/10

JET 8 5/8" WOC 8

SPUD 12 1/2" @ 10:45AM 7/19/10-Survey @ 222' (1/2)

TRIP 1 1/2 Circ. 1/2

Drilled PLug @ 11:15PM 7/19/2010

REPAIRS _____

-970 -967 -957

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**Discovery
Drilling**

OPERATOR: BLACK DIAMOND OIL, INC. LEASE: SOLOMON # 5

RIG # 4 DATE: July 21, 2010

DEPTH @ 7:00 A.M. 2245 PRESENT OPERATIONS: Drilling

DEPTH PREVIOUS @ 7:00 A.M. 700

PROGRESS: 1545

MUD VIS. 28 WT. 9.7 W.L. N/C

DOWN TIME: 1/2 Hr. REASON: Work On Auto Driller

FUEL 40" OILS 14"C 15"90wt 18"M PRO-PANE 80%

WATER Tank(full) Pit(3/4) REMARKS: Bit # 2= 23 1/2 Hrs.

DRILLING 17 3/4 DST Anhydrite (1280-1321)

CONN 4 1/2 OTHER _____

JET 1 1/2 Rig Ser. 1/2

TRIP _____

REPAIRS 1/2

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Discovery Drilling

OPERATOR: BLACK DIAMOND OIL, INC.

LEASE: SOLOMON # 5

RIG # 4

DATE: July 22, 2010

DEPTH @ 7:00 A.M. 2990

PRESENT OPERATIONS: Drilling

DEPTH PREVIOUS @ 7:00 A.M. 2245

PROGRESS: 745

MUD VIS. 60

WT. 8.9

W.L. 8.8

DOWN TIME: 1/2 Hr.

REASON: Auto Driller

FUEL 33"

OILS 14"C 15"90wt. 18"M PRO-PANE 80%

WATER Tank(full) Pit(full)

REMARKS: Bit # 2= 43 Hrs.

DRILLING 19 1/2 DST _____

Displaced Mud @ 2609'

CONN 2 OTHER _____

CMC=\$ 7,117.40

JET 1 1/2 Rig Ser. 3/4

TRIP _____

1/2

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Discovery Drilling

OPERATOR: BLACK DIAMOND OIL, INC. LEASE: SOLOMON # 5

RIG # 4 DATE: July 23, 2010

DEPTH @ 7:00 A.M. 3400 PRESENT OPERATIONS: CFS

DEPTH PREVIOUS @ 7:00 A.M. 2990

PROGRESS: 410

MUD VIS. 61 WT. 9.3 W.L. 8.9

DOWN TIME: None REASON: _____

FUEL 25" OILS 14"C 15"90wt 18"M PRO-PANE 80%

WATER Tank(full) Pit(3/4) REMARKS: Bit # 2= 60 Hrs.

DRILLING 17 DST _____ CMC=\$ 7,117.40

CONN 1 1/2 OTHER _____

JET _____ Rig Ser. 3/4

TRIP _____ MUD 1/2

REPAIRS _____ Circ. 4 3/4

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Discovery Drilling

OPERATOR: BLACK DIAMOND OIL, INC. LEASE: SOLOMON # 5

RIG # 4 DATE: July 24, 2010

DEPTH @ 7:00 A.M. 3560 PRESENT OPERATIONS: Logging

DEPTH PREVIOUS @ 7:00 A.M. 3400

PROGRESS: 160

MUD VIS. 62 WT. 9.4 W.L. 9.2

DOWN TIME: 1/2 Hr. REASON: Mud Pump (Change Piston Head)

FUEL 66" OILS 14"C 15"90wt 16"M PRO-PANE 80%

WATER Tank(full) Pit(1/2) REMARKS: Bit # 2= 66 Hrs.

DRILLING 6 DST #1 (7 1/2) CMC=\$ 8,272.05

CONN 1/2 Log 4 Survey @ 3400' (1/2)

JET 3 3/4 Circ. 3 3/4 Pipe Strap @ 3400' (.35 Long)

Short TRIP 2 MUD 1/2

REPAIRS _____

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Discovery Drilling

OPERATOR: BLACK DIAMOND OIL, INC.

LEASE: SOLOMON # 5

RIG # 4

DATE: July 25, 2010

DEPTH @ 7:00 A.M. 3580 RTD

PRESENT OPERATIONS: Completed

DEPTH PREVIOUS @ 7:00 A.M. 3560

PROGRESS: 20

MUD VIS. _____ WT. _____ W.L. _____

DOWN TIME: _____ REASON: _____

FUEL _____ OILS _____ PRO-PANE _____

WATER _____ REMARKS: Ran 88 Joints New 15.5# 5½" Casing Tally 3585 Set @

DRILLING _____ DST _____ 3579'KB Cement By Swift W/405sks SMDC(Did Circ)

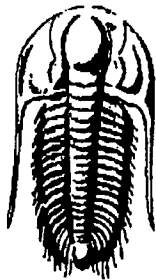
CONN _____ OTHER _____ (30sks In Rat Hole)(15sks In Mouse Hole)(Completed

JET _____ @ 8:15PM 7/24/2010)(Rig Released @ 8:45PM 7/24/2010)

TRIP _____ LTD= 3561 @ 3560' RTD By Superior

REPAIRS _____

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TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

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

PO Box 641
Hays, KS 67601

ATTN: Tony Richardson

21-11-19 Ellis KS

Soloman #5

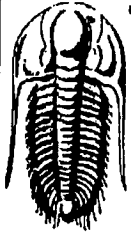
Start Date: 2010.07.23 @ 11:55:20

End Date: 2010.07.23 @ 15:32:15

Job Ticket #: 38973 DST #: 1

Trilobite Testing, Inc
PO Box 1733 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

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TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Black Diamond Oil Inc.

Soloman #5

PO Box 641
Hays, KS 67601

21-11-19 Ellis KS

Job Ticket: 38973

DST#: 1

ATTN: Tony Richardson

Test Start: 2010.07.23 @ 11:55:20

GENERAL INFORMATION:

Formation: **LKC "H-K"**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 13:38:45

Time Test Ended: 15:32:15

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: **3342.00 ft (KB) To 3400.00 ft (KB) (TVD)**

Reference Elevations: 1984.00 ft (KB)

Total Depth: 3400.00 ft (KB) (TVD)

1976.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 8.00 ft

Serial #: 8647

Inside

Press@RunDepth: 50.67 psig @ 3350.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.07.23

End Date: 2010.07.23

Last Calib.: 2010.07.23

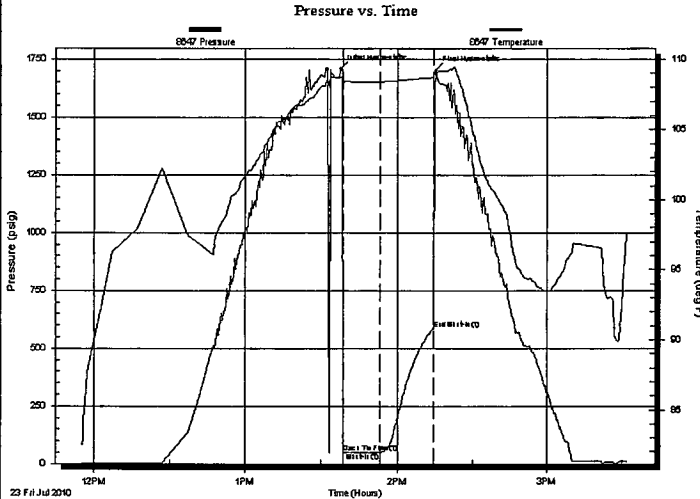
Start Time: 11:55:20

End Time: 15:32:15

Time On Btm: 2010.07.23 @ 13:37:45

Time Off Btm: 2010.07.23 @ 14:15:15

TEST COMMENT: IFP - sur blow - died 2 min.
ISI - no blow back
TIME - 15-15



PRESSURE SUMMARY

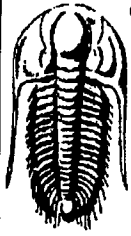
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1708.93	108.75	Initial Hydro-static
1	51.05	108.21	Open To Flow (1)
16	50.67	108.40	Shut-In(1)
37	583.96	108.70	End Shut-In(1)
38	1702.97	109.02	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud w/ O spts M100%	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Black Diamond Oil Inc.

Soloman #5

PO Box 641
Hays, KS 67601

21-11-19 Ellis KS

Job Ticket: 38973

DST#: 1

ATTN: Tony Richardson

Test Start: 2010.07.23 @ 11:55:20

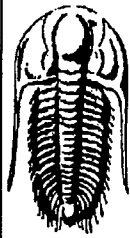
Tool Information

Drill Pipe:	Length: 3295.00 ft	Diameter: 3.80 inches	Volume: 46.22 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 31.00 ft	Diameter: 2.25 inches	Volume: 0.15 bbl	Weight to Pull Loose: 45000.00 lb
			<u>Total Volume: 46.37 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	3342.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	58.00 ft			
Tool Length:	78.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		
Tool Comments:				

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3327.00	
Hydraulic tool	5.00			3332.00	
Packer	5.00			3337.00	20.00 Bottom Of Top Packer
Packer	5.00			3342.00	
Stubb	1.00			3343.00	
Perforations	6.00			3349.00	
Change Over Sub	1.00			3350.00	
Recorder	0.00	8647	Inside	3350.00	
Recorder	0.00	8371	Outside	3350.00	
Blank Spacing	31.00			3381.00	
Change Over Sub	1.00			3382.00	
Perforations	15.00			3397.00	
Bullnose	3.00			3400.00	58.00 Bottom Packers & Anchor

Total Tool Length: 78.00



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Black Diamond Oil Inc.

Soloman #5

PO Box 641
Hays, KS 67601

21-11-19 Ellis KS

Job Ticket: 38973

DST#: 1

ATTN: Tony Richardson

Test Start: 2010.07.23 @ 11:55:20

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: 60.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.87 in³

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
3.00	mud w / O spts M100%	0.015

Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

