



KANSAS CORPORATION COMMISSION 1081966  
OIL & GAS CONSERVATION DIVISION

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 # 31739  
Name: Iuka-Carmi Development LLC  
Address 1: PO BOX 847  
Address 2: \_\_\_\_\_  
City: PRATT State: KS Zip: 67124 + 0847  
Contact Person: Kenneth C. Gates  
Phone: ( 620 ) 672-2531  
CONTRACTOR: License # 34541  
Name: Ninnescah Drilling LLC  
Wellsite Geologist: David Gould  
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 #: \_\_\_\_\_

<u>07/19/2011</u>	<u>7/26/2011</u>	<u>7/27/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-151-22378-00-00

Spot Description: \_\_\_\_\_  
NE SW SE NE Sec. 23 Twp. 28 S. R. 14  East  West  
2150 Feet from  North /  South Line of Section  
765 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Pratt

Lease Name: Smith Well #: 1-23

Field Name: \_\_\_\_\_

Producing Formation: Plug

Elevation: Ground: 1925 Kelly Bushing: 1938

Total Depth: 4710 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 270 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: 4000 ppm Fluid volume: 794 bbls

Dewatering method used: Evaporated

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: Deanna Gerrico Date: 05/24/2012



1081966

Operator Name: Iuka-Carmi Development LLC Lease Name: Smith Well #: 1-23  
 Sec. 23 Twp. 28 S. R. 14  East  West County: Pratt

**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 checked="" type="checkbox"/> Yes <input 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: Dual Compensated Porosity Log Dual Induction Log Microresistivity	<input 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>Dual Compensated Porosity Log</td> <td>2850</td> <td>13' Above</td> </tr> <tr> <td>Dual Induction Log</td> <td>250</td> <td>13' Above</td> </tr> <tr> <td>Microresistivity</td> <td>2850</td> <td>13' Above</td> </tr> </table>	Name	Top	Datum	Dual Compensated Porosity Log	2850	13' Above	Dual Induction Log	250	13' Above	Microresistivity	2850	13' Above
Name	Top	Datum											
Dual Compensated Porosity Log	2850	13' Above											
Dual Induction Log	250	13' Above											
Microresistivity	2850	13' Above											

CASING RECORD <input checked="" 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	8.6250	8.6250	23	270		275	

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 (Amount and Kind of Material Used)	Depth

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-1B.)</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> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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# QUALITY WELL SERVICE, INC.

5268

Home Office 324 Simpson St., Pratt, KS 67124

Todd's Cell 620-388-5422  
Office / Fax 620-672-3663

Rich's Cell 620-727-3409  
Brady's Cell 620-727-6964

Date	Sec.	Twp.	Range	County	State	On Location	Finish		
7-19-11	23	23	14	Pratt	Ks		11/45		
Lease	Smith		Well No.	1-23				Location	Hwy 54 W to 40th Rd
Contractor	Nonnesch Doby			Owner				3 S W mto	
Type Job	Surfaces			To Quality Well Service, 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.	275				Charge To	TJKA-CARME
Csg.	3 5/8		Depth	270'				Street	
Tbg. Size			Depth					City	State
Tool			Depth					The above was done to satisfaction and supervision of owner agent or contractor.	
Cement Left in Csg.			Shoe Joint	20				Cement Amount Ordered	275 x 60/40
Meas Line			Displace	16 bbls				270 GAL 3% CL 1/4" CF.	
<b>EQUIPMENT</b>									
Pumptrk	3	No.	TODD		Common		165		
Bulktrk	4	No.	BRADY		Poz. Mix		110		
Bulktrk		No.			Gel.		5		
Pickup		No.	SHAY		Calcium		9		
<b>JOB SERVICES &amp; REMARKS</b>									
Rat Hole					Hulls				
Mouse Hole					Salt				
Centralizers					Flowseal		69		
Baskets					Kol-Seal				
D/V or Port Collar					Mud CLR 48				
					CFL-117 or CD110 CAF 38				
					Sand				
					Handling		239		
					Mileage		12		
							<b>FLOAT EQUIPMENT</b>		
					Guide Shoe				
					Centralizer				
					Baskets				
					AFU Inserts				
					Float Shoe				
					Latch Down				
							1 Waxen Plug		
					Pumptrk Charge		Surfaces		
					Mileage		12		
							Tax		
							Discount		
							Total Charge		
Thank you SHAY BRADY Signature: Terry J. Cummins									

# QUALITY WELL SERVICE, INC.

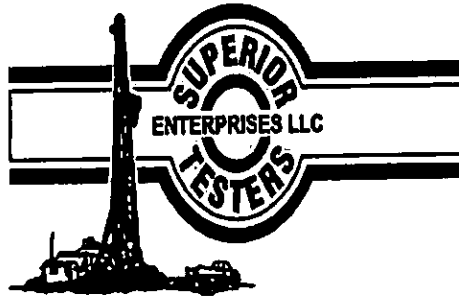
5273

Home Office 324 Simpson St., Pratt, KS 67124

Todd's Cell 620-388-5422  
Office / Fax 620-672-3663

Rich's Cell 620-727-3409  
Brady's Cell 620-727-6964

Date	Sec.	Twp.	Range	County	State	On Location	Finish
7-27-11	23	20	1A	Pratt	Ks		12:15
Lease	Well No.		Location				
Smith	1-23		59 Hwy West 40 rd				
Contractor	Owner						
Niameyoh Dels.	3 1/2 S W into						
Type Job	To Quality Well Service, Inc.						
PTA	You are hereby requested to rent cementing equipment and furnish						
Hole Size	cement and helper to assist owner or contractor to do work as listed.						
11/8	T.D.		Charge To				
	4110		Tuka Cement Del. LLC				
Csg.	Depth		Street				
			City				
Tbg. Size	Depth		State				
Tool	Depth		The above was done to satisfaction and supervision of owner agent or contractor.				
Cement Left in Csg.	Shoe Joint		Cement Amount Ordered				
			220 sc 60/40				
Meas Line	Displace		4 1/2 GEL 1/4" CF.				
<b>EQUIPMENT</b>							
Pumptrk	No.			Common			
8		7000		132			
Bulktrk	No.			Poz. Mix			
4		B2001		33			
Bulktrk	No.			Gel.			
				3			
Pickup	No.			Calcium			
<b>JOB SERVICES &amp; REMARKS</b>							
Rat Hole	30 x			Hulls			
Mouse Hole	20 x			Salt			
Centralizers				Flowseal			
Baskets				55			
D/V or Port Collar				Kol-Seal			
1st Plug 457'				Mud CLR 48			
50 g 60/40 4 1/2 GEL 1/4" CF.				CFL-117 or CD110 CAF 38			
Disp w/mud				Sand			
				Handling			
				223			
				Mileage			
				10			
<b>FLOAT EQUIPMENT</b>							
2nd Plug 900'				Guide Shoe			
50 x 60/40 4 1/2 GEL 1/4" CF.				Centralizer			
Disp w/H2O				Baskets			
				AFU Inserts			
3rd Plug 300'				Float Shoe			
50 x 60/40 4 1/2 GEL 1/4" CF.				Latch Down			
Disp w/H2O							
4th Plug 60'							
20 x 60/40 4 1/2 GEL 1/4" CF.				Pumptrk Charge			
				PTH			
				Mileage			
				10			
Thank				Tax			
1000 x B2001				Discount			
				Total Charge			
X Signature							



## DRILL STEM TEST REPORT

Prepared For: **Iuka-Carmi Development**

P.O.Box 847  
Pratt, Kansas  
67124+0847

ATTN: David Gould

**23/28S/14W Pratt Co.**

**Smith #1-23**

Start Date: 2011.07.25 @ 02:44:00

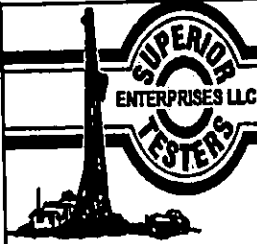
End Date: 2011.07.25 @ 12:14:30

Job Ticket #: 18701                      DST #: 1

Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902

Printed: 2011.07.26 @ 17:04:49

Iuka-Carmi Development      Smith #1-23      23/28S/14W Pratt Co.      DST # 1      Mississippi      2011.07.25



# DRILL STEM TEST REPORT

Iuka-Carmi Development

Smith #1-23

P.O.Box 847  
Pratt, Kansas  
67124+0847  
ATTN: David Gould

23/28S/14W Pratt Co.

Job Ticket: 18701 DST#: 1

Test Start: 2011.07.25 @ 02:44:00

## GENERAL INFORMATION:

Formation: Mississippi  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 06:15:30  
Time Test Ended: 12:14:30

Test Type: Conventional Bottom Hole (Initial)  
Tester: Dylan E Ellis  
Unit No: 3345/Great Bend/ 140

Interval: 4358.00 ft (KB) To 4380.00 ft (KB) (TVD)  
Total Depth: 4380.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1935.00 ft (KB)  
1925.00 ft (CF)  
KB to GR/CF: 10.00 ft

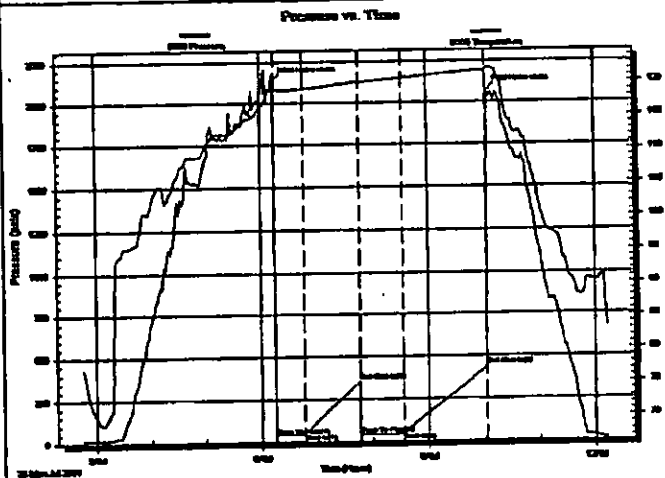
Serial #: 6666

Outside

Press@RunDepth: 49.39 psia @ 4377.00 ft (KB)  
Start Date: 2011.07.25 End Date: 2011.07.25  
Start Time: 02:45:00 End Time: 12:14:30

Capacity: 5000.00 psia  
Last Calib.: 2011.07.25  
Time On Btm: 2011.07.25 @ 06:14:00  
Time Off Btm: 2011.07.25 @ 10:04:00

**TEST COMMENT:** 1ST Opening 30 Minutes fair blow/blow blew to bottom of the bucket of water in 15 minutes  
1ST Shut-In 60 Minutes no blow back  
2ND Opening 45 Minutes very strong blow/blow blew to bottom of bucket of water instantly  
2ND Shut-In 90 Minutes no blow back



## PRESSURE SUMMARY

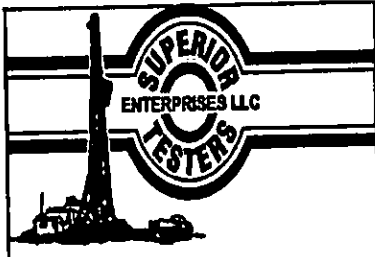
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2137.11	119.61	Initial Hydro-static
2	39.76	119.08	Open To Flow (1)
33	47.32	119.13	Shut-In(1)
92	353.02	120.11	End Shut-In(1)
93	40.97	120.07	Open To Flow (2)
139	49.39	120.64	Shut-In(2)
229	440.43	121.79	End Shut-In(2)
230	2070.42	122.20	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
55.00	Very lightly Oil cut Mud	0.77
0.00	Oil 10% Mud 90%	0.00
0.00	868 feet of Gas in the pipe	0.00

## Gas Rates

	Choke (Inches)	Pressure (psia)	Gas Rate (Mscfd)



# DRILL STEM TEST REPORT

Iuka-Carmi Development

Smith #1-23

P.O.Box 847  
Pratt, Kansas  
67124+0847  
ATTN: David Gould

23/28S/14W Pratt Co.  
Job Ticket: 18701 DST#: 1  
Test Start: 2011.07.25 @ 02:44:00

## GENERAL INFORMATION:

Formation: Mississippi  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 06:15:30  
Time Test Ended: 12:14:30

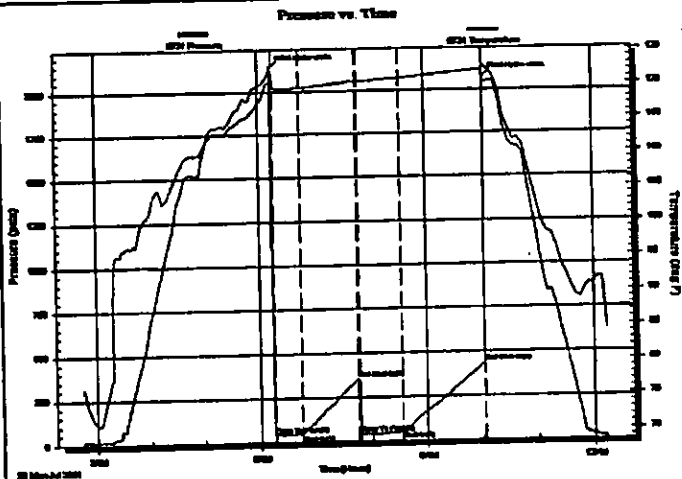
Test Type: Conventional Bottom Hole (Initial)  
Tester: Dylan E Ellis  
Unit No: 3345/Great Bend/ 140

Interval: 4358.00 ft (KB) To 4380.00 ft (KB) (TVD)  
Total Depth: 4380.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1935.00 ft (KB)  
1925.00 ft (CF)  
KB to GR/CF: 10.00 ft

Serial #: 6731 Inside  
Press@RunDepth: 439.74 psia @ 4376.00 ft (KB) Capacity: 5000.00 psia  
Start Date: 2011.07.25 End Date: 2011.07.25 Last Calib.: 2011.07.25  
Start Time: 02:44:01 End Time: 12:14:30 Time On Btm: 2011.07.25 @ 06:13:30  
Time Off Btm: 2011.07.25 @ 10:03:30

TEST COMMENT: 1ST Opening 30 Minutes fair blow/blow blow to bottom of the bucket of water in 15 minutes  
1ST Shut-in 60 Minutes no blow back  
2ND Opening 45 Minutes very strong blow/blow blow to bottom of bucket of water instantly  
2ND Shut-in 90 Minutes no blow back



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2137.61	120.46	Initial Hydro-static
2	40.20	119.75	Open To Flow (1)
31	43.23	119.59	Shut-in(1)
92	354.65	120.44	End Shut-in(1)
94	41.90	120.36	Open To Flow (2)
139	50.77	120.91	Shut-in(2)
229	439.74	122.05	End Shut-in(2)
230	2070.44	122.66	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
55.00	Very lightly Oil cut Mud	0.77
0.00	Oil 10% Mud 90%	0.00
0.00	868 feet of Gas in the pipe	0.00

## Gas Rates

	Core (inches)	Pressure (psia)	Gas Rate (Mcf/d)



# DRILL STEM TEST REPORT

TOOL DIAGRAM

Iuka-Carmi Development

Smith #1-23

P.O.Box 847  
Pratt, Kansas  
67124+0847  
ATTN: David Gould

23/28S/14W Pratt Co.  
Job Ticket: 18701      DST#: 1  
Test Start: 2011.07.25 @ 02:44:00

## Tool Information

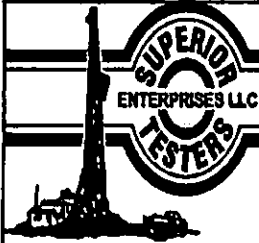
Drill Pipe:	Length: 4338.00 ft	Diameter: 3.80 inches	Volume: 60.85 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 25000.00 lb
			<u>Total Volume: 60.85 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	9.00 ft			String Weight: Initial 42000.00 lb
Depth to Top Packer:	4358.00 ft			Final 42000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	22.00 ft			
Tool Length:	51.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Thank you for the work ! Dylan E Ellis

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4330.00	
Shut-In Tool	5.00			4335.00	
Hydroic Tool	5.00			4340.00	
Jars	6.00			4346.00	
Safety Joint	2.00			4348.00	
Packer	5.00			4353.00	29.00      Bottom Of Top Packer
Packer	5.00			4358.00	
Perforations	17.00			4375.00	
Recorder	1.00	6731	Inside	4376.00	
Recorder	1.00	6668	Outside	4377.00	
Bulnosc	3.00			4380.00	22.00      Bottom Packers & Anchor

**Total Tool Length: 51.00**





# DRILL STEM TEST REPORT

## FLUID SUMMARY

Iuka-Carmi Development

Smith #1-23

P.O.Box 847  
Pratt, Kansas  
67124+0847

23/28S/14W Pratt Co.

Job Ticket: 18701

DST#: 1

ATTN: David Gould

Test Start: 2011.07.25 @ 02:44:00

### 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: 64.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.99 in<sup>3</sup>

Gas Cushion Type:

Gas Cushion Pressure:

psia

Resistivity: ohm.m

Salinity: 4500.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
55.00	Very lightly Oil cut Mud	0.772
0.00	Oil 10% Mud 90%	0.000
0.00	868 feet of Gas in the pipe	0.000

Total Length: 55.00 ft      Total Volume: 0.772 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

