

### Kansas Corporation Commission Oil & Gas Conservation Division

#### 1060944

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 #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from North / South Line of Section
City: State: Zip:+	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.):	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: sx cmt
Operator:	
Well Name:	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Original Total Depth: Conv. to ENHR	Chloride content: ppm Fluid volume: bbls  Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	QuarterSec TwpS. R East West
ENHR Permit #:	County: Permit #:
GSW Permit #:	
Spud Date or Date Reached TD Completion Date or Recompletion Date  Recompletion Date	

#### **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 III Approved by: Date:						

Side Two



Operator Name:				_ Lease N	lame:			Well #:		
Sec Twp	S. R	East	West	County:						
INSTRUCTIONS: Sh time tool open and clo recovery, and flow rate line Logs surveyed. A	osed, flowing and shu es if gas to surface te	t-in pressures, st, along with f	whether sh inal chart(s	nut-in press	ure reach	ed static level,	hydrostatic pres	ssures, bottom h	ole temp	erature, fluid
Drill Stem Tests Taker (Attach Additional S		Yes	No		Log	y Formation	n (Top), Depth a	nd Datum		Sample
Samples Sent to Geological Survey					Name			Тор	I	Datum
Cores Taken Electric Log Run Electric Log Submitte (If no, Submit Copy	d Electronically	Yes Yes Yes	☐ No ☐ No ☐ No							
List All E. Logs Run:										
		Report all	CASING I		New	Used mediate, producti	on, etc.			
Purpose of String	Size Hole Drilled	Size Ca Set (In C	sing	Weigi Lbs. /	ht	Setting Depth	Type of Cement	# Sacks Used	, ,,	and Percent dditives
		AI	DDITIONAL	CEMENTIN	G / SQUE	EZE RECORD				
Purpose:  Perforate Protect Casing Plug Back TD Plug Off Zone	Depth Top Bottom	Type of Co	ement	# Sacks	Used		Type and	Percent Additives		
Shots Per Foot	PERFORATI Specify I	ON RECORD - Footage of Each	Bridge Plugs Interval Perfo	s Set/Type orated			cture, Shot, Cemei mount and Kind of N		d 	Depth
TUBING RECORD:	Size:	Set At:		Packer At:		Liner Run:				
Date of First, Resumed	Production, SWD or EN		ducing Meth	od:		as Lift C	Yes No	0		
Estimated Production Per 24 Hours	Oil	Bbls.		Mcf	Water		ols.	Gas-Oil Ratio		Gravity
DISPOSITIO	ON OF GAS:		M	IETHOD OF	COMPLET	ION:		PRODUCTIO	ON INTER	VAL:
Vented Sold	Used on Lease	Open	Hole (Specify)	Perf.	Dually (		nmingled mit ACO-4)			

Form	ACO1 - Well Completion
Operator	Globe Operating, Inc.
Well Name	SCHULZ 7
Doc ID	1060944

## All Electric Logs Run

Dual Induction Log
Dual Compensated Porosity Log
Microresistivity Log
Borehole compensated Sonic Log

**OPERATOR** 

Company: Globe Operating, Inc.

Address: P.O. Box 12

Great Bend, KS 67530

Contact Geologist:

Contact Phone Nbr: 620-792-7607

Well Name: Schultz #7

Location: Sec. 22 - T21S - R13W API: 15-185-23682-0000

Pool: Field: Gates State: Country: USA Kansas

Scale 1:240 Imperial

Well Name: Schultz #7

Sec. 22 - T21S - R13W Surface Location:

**Bottom Location:** 

API: 15-185-23682-0000

License Number: 6170

Spud Date: 7/13/2011 00:00 Time:

Region: Stafford County

**Drilling Completed:** 7/20/2011 Time: 19:30

Surface Coordinates: 2263' FNL & 1625' FEL

**Bottom Hole Coordinates:** 

Ground Elevation: 1875.00ft K.B. Elevation: 1881.00ft

2750.00ft To: Logged Interval: 3730.00ft

Total Depth: 3730.00ft Formation: Arbuckle

Drilling Fluid Type: Chemical/Fresh Water Gel

SURFACE CO-ORDINATES

Well Type: Vertical

Longitude: Latitude:

N/S Co-ord: 2263' FNL E/W Co-ord: 1625' FEL

**LOGGED BY** 

Keith Reavis

Consulting Geologist

Company: Keith Reavis, Inc. Address: 3420 22nd Street

Great Bend, KS 67530

Phone Nbr: 620-617-4091

Logged By: KLG #136 Name: Keith Reavis

**CONTRACTOR** 

Contractor: Royal Drilling, Inc.

Rig #:

Rig Type: mud rotary

Spud Date: 7/13/2011 Time: 00:00 TD Date: 7/20/2011 Time: 19:30

Rig Release: Time:

**ELEVATIONS** 

Ground Elevation: 1881.00ft K.B. Elevation: 1875.00ft

K.B. to Ground: 6.00ft

**NOTES** 

Due to positive results from drill stem tests 1, 2 and 3, it was decided that 5 1/2" production casing be set and cemented and the Arbuckle be further tested through perforations.

The samples were saved and will be available for review at the Kansas Geological Survey Well Sample Library located in Wichita KS

Respectfully submitted,

Keith

# Globe Operating, Inc.

## DAILY DRILLING REPORT

DATE	7:00 AM DEPTH	Last 24 Hour Operations
07/17/2011		geologist Keith Reavis on location @ 3202 ft., 1520 hrs, drilling Toronto, Douglas, Lansing
07/18/2011		drilling ahead, LKC, Marm, Viola, Simpson, Arbuckle, show warrants DST, short trip, TOH w/ bit and TIH w/tools
07/19/2011		conduct and complete DST #1, successful test, drill ahead 15 ft, show and gas kick warrants DST TOH w/bit, conduct and complete DST #2, successful test, TIH w/bit, ctch
07/20/2011	F. F. F. S.	resume drilling, drill 16 ft, show warrants DST, TOH for DST #3, conduct and complete DST, successful test, TIH w/bit, rathole ahead to TD, 3730 ft, TOH for logs, rig up loggers
07/21/2011	\$70,75 (\$15,76).	conducting logging operations, logs would not go to bottom, logged from 3707, complete logs geologist off location @ 0545 hrs

# Globe Operating, Inc.

#### WELL COMPARISON SHEET

		DRILLIN	G WELL			COMPARIS	ON WELL	2 2		COMPARISO	N WELL		
		Shult	tz #7		Woodman & lannitti - Schultz #1			Globe – Schultz #4					
		2263' FNL 8	1625' FI	EL		SW SV	V NE		1	1870' FNL & 1600' FEL			
		Sec. 22 - 2	21S - 13W	/		Sec. 22 - 2	1S - 13W			Sec. 22 - 21S - 13W			
	1881	KB			1884	4 KB	Relationship		1877 KB		Relationship		
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log	
Topeka	2816	-935	2814	-933	2816	-932	-3	-1	2806	-929	-6	-4	
Heebner	3180	-1299	3174	-1293	3183	-1299	0	6	3167	-1290	-9	-3	
Toronto	3203	-1322	3194	-1313	3204	-1320	-2	7	3189	-1312	-10	-1	
Douglas	3214	-1333	3209	-1328	3219	-1335	2	7	3202	-1325	-8	-3	
Brown Lime	3306	-1425	3303	-1422	3314	-1430	5	8	3298	-1421	-4	-1	
Lansing	3318	-1437	3314	-1433	3328	-1444	7	11	3308	-1431	-6	-2	
Lansing H	3440	-1559	3436	-1555	3451	-1567	8	12	3433	-1556	-3	1	
Base KC	3537	-1656	3535	-1654	3550	-1666	10	12	3530	-1653	-3	-1	
Viola	3568	-1687	3565	-1684	3585	-1701	14	17	3559	-1682	-5	-2	
Simpson Shale	3585	-1704	3582	-1701	3606	-1722	18	21	3583	-1706	2	5	
Simpson Sand	3631	-1750	3629	-1748	3649	-1765	15	17	3628	-1751	1	3	
Arbuckle	3635	-1754	3631	-1750	3653	-1769	15	19	3630	-1753	-1	3	
Total Depth	3730	-1849	3707	-1826					3706	-1829	-20	3	

#### **Drill Stem Test #1**



### DRILL STEM TEST REPORT

Globe Operating Schult #7

Pox Box 12 **22-21s-13w-barton** 

Great Bend ,Kansas 67530 Job Ticket: 15851 DST#:1

ATTN: Keith Reavis Test Start: 2011.07.18 @ 10:45:00

#### GENERAL INFORMATION:

Formation: Arbuckle

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

 Time Tool Opened: 00:00:00
 Tester:
 Dustin Ellis

 Time Test Ended: 00:00:00
 Unit No: 3335-GB- 26

Interval: 3635.00 ft (KB) To 3649.00 ft (KB) (TVD) Reference ⊟evations: 1881.00 ft (KB)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 6.00 ft

Total Depth: 3649.00 ft (KB) (TVD) 1875.00 ft (CF)

Serial #: 6806 Inside

1236.95 psia @ Press@RunDepth: 3645.00 ft (KB) 5000.00 psia Capacity:

Start Date: End Date: 2011.07.18 Last Calib.: 2011.07.18 2011.07.18 Start Time: 10:45:00 End Time: 19:12:00 Time On Btm: 2011.07.18 @ 12:23:30 Time Off Btm: 2011.07.18 @ 15:35:30

TEST COMMENT: 1st open 10 minutes Strong blow bottom of bucket in 1 minute

1st shut in 45 minutes No blow

2nd open 45 minutes Strong blow bottom of bucket instantly

2nd shut in 90 minutes Yes blow back

Pressure vs. Time		PF	RESSUF	RE SUMMARY		
0900 Fressure 0900 Tem	penture -	Time	Pressure	Temp	Annotation	
779	1	(Min.)	(psia)	(deg F)		
	110	0	1822.04	112.77	Initial Hydro-static	
1 1500		1	1224.10	113.06	, ,	
E	1 105	10	1243.06		End Shut-In(1)	
120		58	1246.26		End Shut-In(2)	
	Tomporeture	59	1073.81		Open To Flow (2)	
(a) 0 000		102	1117.95	112.80	` '	
700	√ 1 × §	192	1236.95	112.67	End Shut-In(3)	
	1/ 3	192	1777.18	112.81	Final Hydro-static	
280	- 90					
0 - 3M 18 Mars Ad 2011 Sime (Hans)	GPU -					
Recovery		Gas Rates				
Length (ft) Description	Volume (bbl)			Choke (i	nches) Pressure (psia)	Gas Rate (Mcf/d)
0.00 1750 Gas in pipe 1750 feet	0.00			•	'	
1680.00 Oil cut gas 25% gas 75% oil	23.57					
60.00 Muddy Gassy Oil	0.84					
120.00 40% Gas 20% Oil 40% mud 1.68						
0.00 Gravity 39 Corrected 0.00						
0.00	0.00					
Superior Testers Enterprises LLC Ref.	No: 15851			Printed:	2011.07.18 @ 07:29	9:14

#### **Drill Stem Test #2**



### DRILL STEM TEST REPORT

Globe Operating Inc. Schult #7

22-21s-13w-Stafford Pox Box 12

Great Bend ,Kansas 67530 Job Ticket: 15852 DST#: 2

ATTN: Keith Reavis Test Start: 2011.07.18 @ 02:15:00

#### GENERAL INFORMATION:

Formation: Arbuckle

Deviated: Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial) No

Time Tool Opened: 00:00:00 Tester: Dustin ⊟lis Time Test Ended: 00:00:00 Unit No: 3335-24 -GB

3651.00 ft (KB) To 3664.00 ft (KB) (TVD) Reference Elevations: 1881.00 ft (KB) Interval:

Total Depth: 3664.00 ft (KB) (TVD) 1875.00 ft (CF) Hole Diameter: 7.88 inches Hole Condition: Fair

6.00 ft KB to GR/CF:

Serial #: 6806 Inside

Press@RunDepth: 1237.90 psia @ 5000.00 psia 3660.00 ft (KB) Capacity:

Start Date: 2011.07.18 End Date: 2011.07.18 Last Calib.: 2011.07.18

Start Time: 02:15:00 End Time: 10:47:00 Time On Btm:

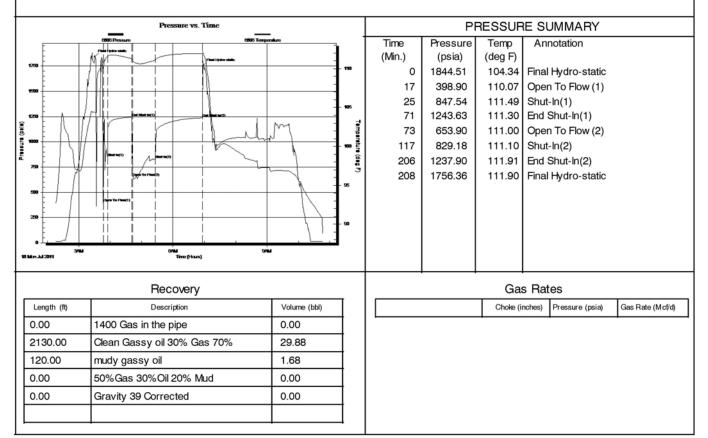
Time Off Btm: 2011.07.18 @ 03:30:30

TEST COMMENT: 1st open 10 minutes Strong blow bottom bucket less than 1 minute

1st shutin 45minutes Blow back

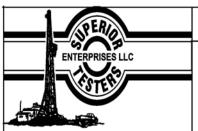
2nd open 45minutes Strong blow bottom bucket 2 minutes

2nd shutin 90minutes Blow back



Superior Testers Enterprises LLC Ref. No: 15852 Printed: 2011.07.18 @ 23:04:39

#### **Drill Stem Test #3**



### DRILL STEM TEST REPORT

Globe Operating Inc. Schult #7

22-21s-13w-Stafford Pox Box 12

Great Bend ,Kansas 67530 Job Ticket: 155853

ATTN: Keith Reavis Test Start: 2011.07.19 @ 07:20:00

DST#: 3

#### GENERAL INFORMATION:

Formation: Arbuckle

Deviated: Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial) No

Time Tool Opened: 08:45:00 Tester: Dustin ⊟lis Time Test Ended: 00:00:00 Unit No: 3335-GB-26 miles

Interval: 3672.00 ft (KB) To 3680.00 ft (KB) (TVD) 1881.00 ft (KB)

Reference Elevations:

Total Depth: 3680.00 ft (KB) (TVD) 1875.00 ft (CF) KB to GR/CF: Hole Diameter: 7.88 inches Hole Condition: Fair 6.00 ft

Serial #: 6663 Outside

Start Date: 2011.07.19 Last Calib.: 2011.07.19 2011.07.19 End Date: Start Time: 07:20:00 End Time: 15:46:30 Time On Btm: 2011.07.19 @ 08:47:30 Time Off Btm: 2011.07.19 @ 12:06:00 TEST COMMENT: 1st open 10 minutes Strong blow blew bottom of bucket 1 minute 1st shut in 45 minutes no blow back 2nd open 45 minutes Strong blow bottom of bucket in less than 1 minute 2nd shut in 90 minutes blow back bottom of bucket Pressure vs. Time PRESSURE SUMMARY Time Pressure Annotation Temp (Min.) (psia) (deg F) 0 1814.73 103.15 Initial Hydro-static 8 353.85 110.99 Open To Flow (1) 18 396.90 113.09 Shut-In(1) 1243.31 112.18 End Shut-In(1) 62 567.84 111.95 Open To Flow (2) 63 107 906.14 112.29 Shut-In(2) 198 1246.16 End Shut-In(2) 112.14 1727.74 199 112.23 Final Hydro-static EFM Time (Hours) Gas Rates Recovery Length (ft) Description Volume (bbl) Choke (inches) Pressure (psia) Gas Rate (Mcf/d) 0.00 Gas to surface on the final shut-in 0.00 2000.00 Clean gassy oil 45% Gas 55% Oil 28.05 0.00 Gravity 41 corrected 0.00 360.00 Water Chlorides 15000 5.05 0.00 Resisitivity 1.9 @ 82 degrees 0.00 Superior Testers Enterprises LLC Ref. No: 155853 Printed: 2011.07.19 @ 15:51:08 **ROCK TYPES** Cht Lmst fw<7 shale, grn Carbon Sh Dolprim Lmst fw7> shale, gry **ACCESSORIES FOSSIL STRINGER TEXTURE MINERAL** ▲ Chert, dark ○ Bioclastic or Fragmental Dolomite C Chalky F Fossils < 20% Limestone P Pyrite L Lithogr . Sandy Oolite · · · Sandstone Pellets · · · Siltstone · Silty Varicolored chert Oomoldic Shale △ Chert White Mc Mica Argillaceous/Shale

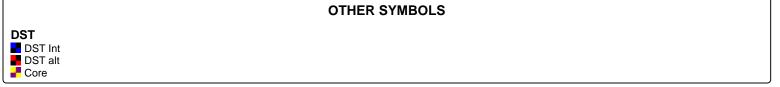
Capacity:

5000.00 psia

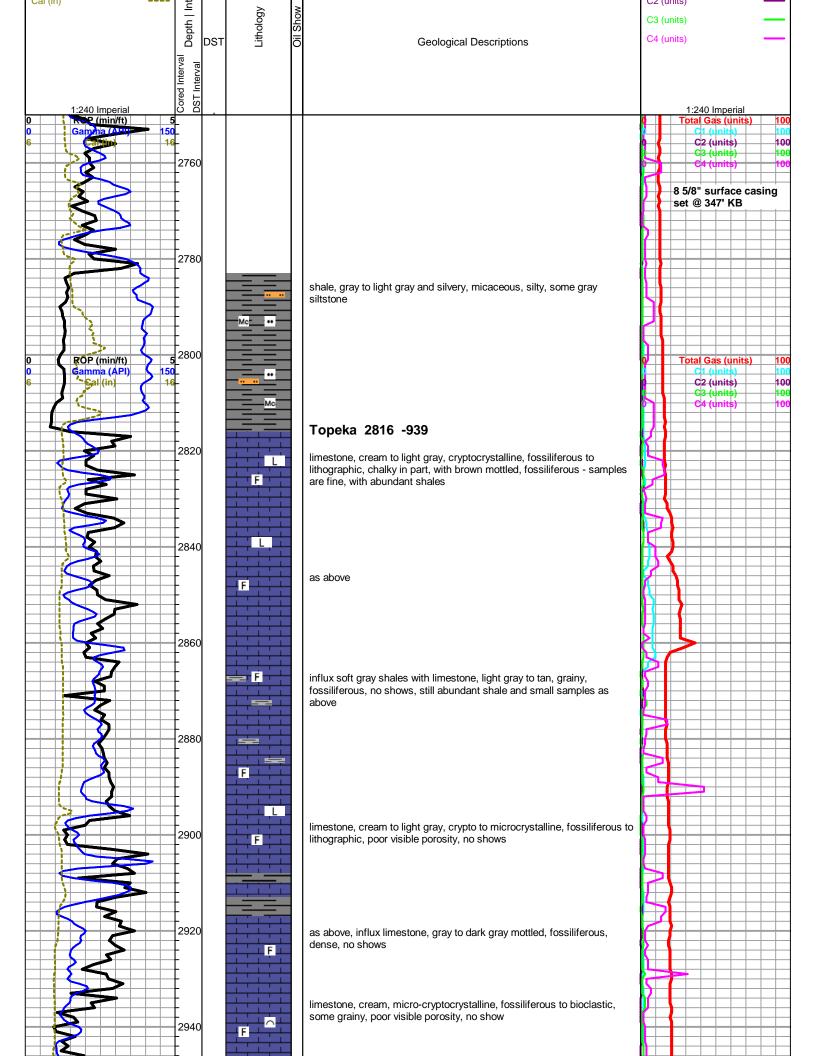
Press@RunDepth:

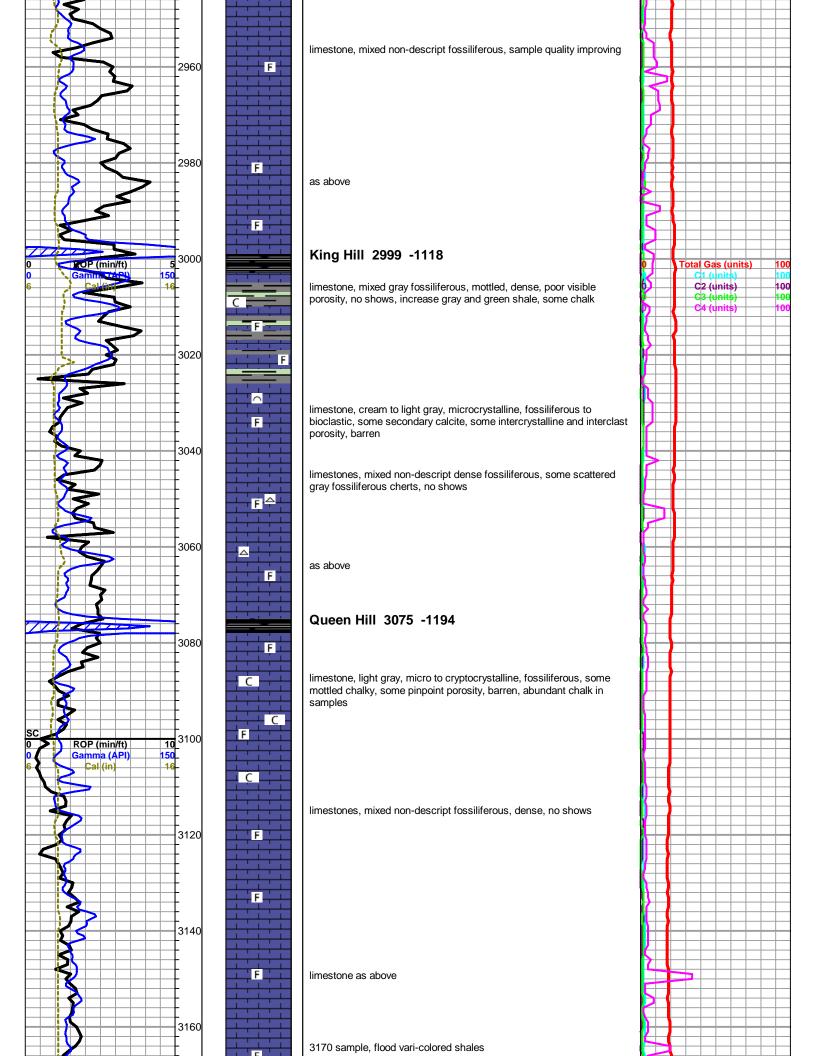
1246.16 psia @

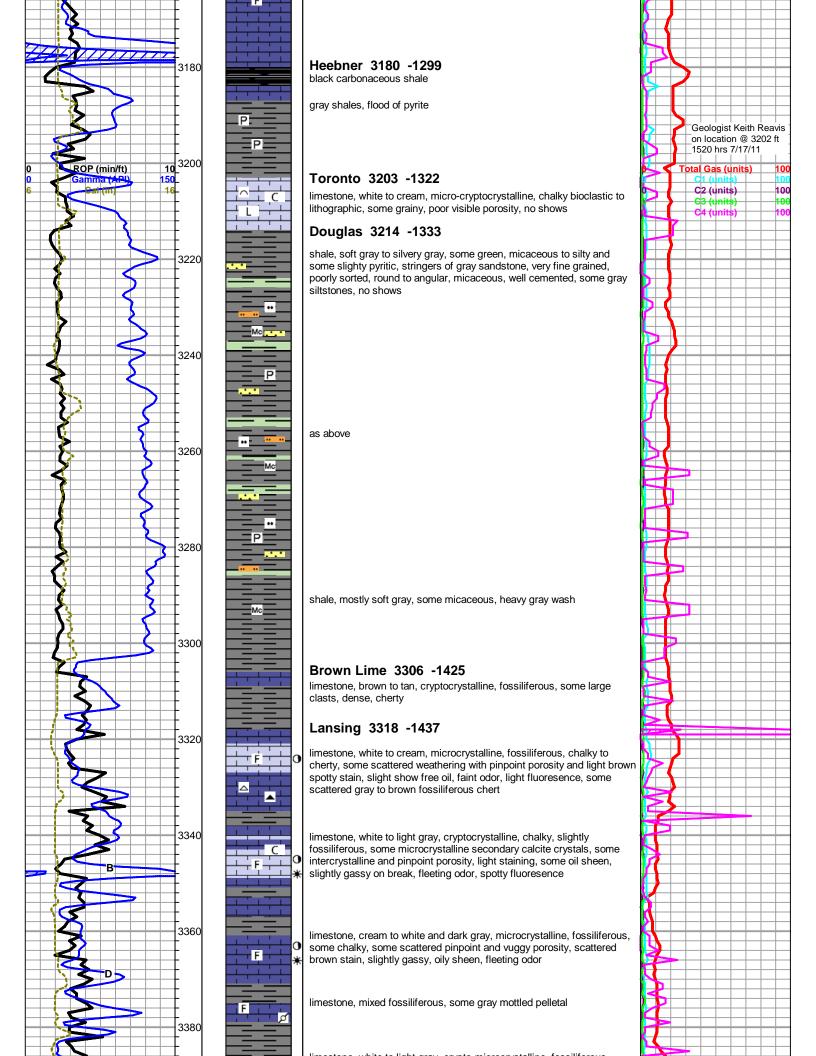
3677.00 ft (KB)

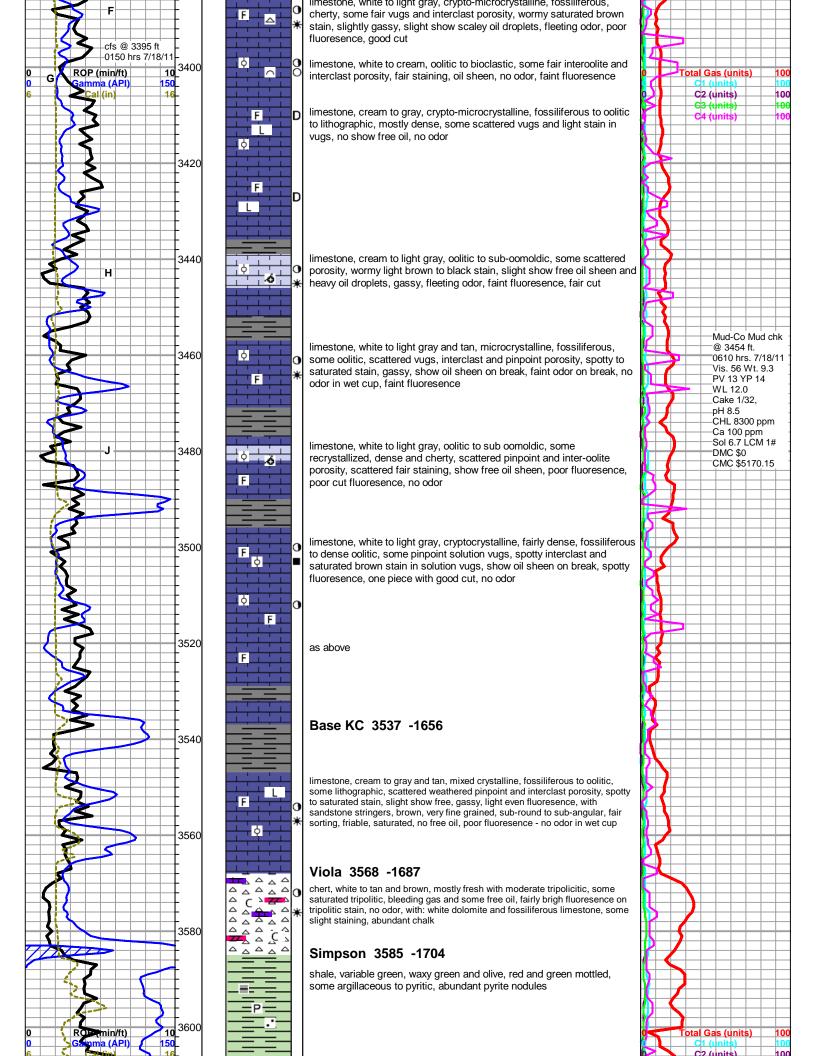


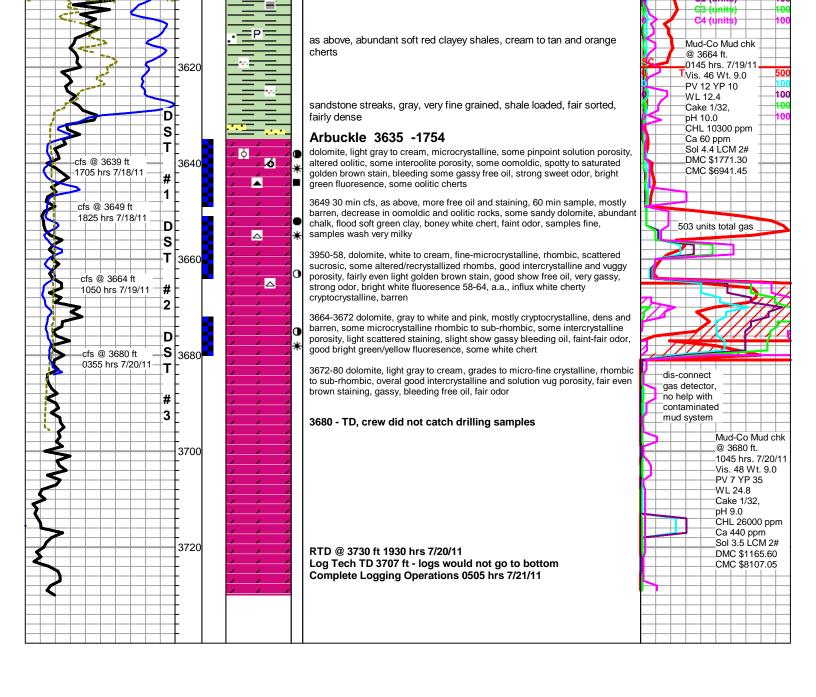
| Curve Track #1 | TG, C1 - C5 | Total Gas (units) | C1 (units) | C2 (units) | C3 (units) | C3 (units) | C3 (units) | C4 (units) | C5 (units) | C6 (units) | C6 (units) | C6 (units) | C6 (units) | C7 (













PAGE	CUST NO	INVOICE DATE
1 of 1	1001662	07/26/2011
	INVOICE NUME	BER

1718 - 90655517

Schulz

Pratt

(620) 672-1201

B GLOBE OPERATING

I PO Box: 12

L GREAT BEND

67530 KS US

o ATTN:

LEASE NAME 0 LOCATION

В COUNTY

Stafford

s STATE KS

Т

JOB DESCRIPTION Cement-New Well Casing/Pi

7

JOB CONTACT

JOB #	EQUIPMENT #	PURCHASE (	ORDER NO.		TERMS	DUE DATE
40348040	27463		N N		Net - 30 days	08/25/2011
			QTY	U of M	UNIT PRICE	INVOICE AMOUNT
For Service Dates	s: 07/21/2011 to 07	7/21/2011				
	nent-New Well Casing/Pi	07/21/2011				·
A Serv Lite			80.00	EA	10.27	
AA2 Cement			125.00	EA	13.43	
Cello-flake			51.00		2.92	
De-foamer (Powde	r)		30.00		3.16	
Salt (Fine)			623.00		0.39 4.74	
Cement Friction Re	ducer		36.00		4.74 4.07	362.10
			89.00 59.00		5.92	
			625.00		0.53	
	+ Plug 5 1/2"		1.00		82.95	
			1.00		197.50	
		·	1.00	EA	169.85	
			6.00	EA	86.90	521.40
			40.00	HR	3.36	
			80.00	MI	5.53	
			378.00	MI	1.26	
			1.00		1,706.41	1,706.41 226.73
			205.00		1.11 197.50	
			1.00		138.25	
Supervisor			1.00	HR		, 551.25
	pE	<i>,</i> >			5)2	
		,13				na 1748
April 19		063				
	•					

PLEASE REMIT TO:

SEND OTHER CORRESPONDENCE TO:

BASIC ENERGY SERVICES, LP BASIC ENERGY SERVICES, LP PO BOX 10460 MIDLAND, TX 79702

SUB TOTAL TAX 8,498.50 306.85 8,805.35

PO BOX 841903 DALLAS, TX 75284-1903

INVOICE TOTAL

## QUALITY WELL SERVICE INC

# Invoice

324 SIMPSON PRATT KS 67124

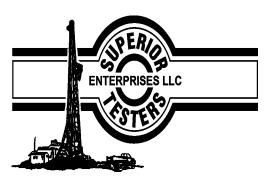
Date	Invoice #
7/15/2011	219

Bill To
GLOBE OPERATING
PO BOX 12
GREAT BEND KS 67530

QOCI 1573 3003 cement surface

P.O. No.	Terms	Project	

<del></del>			<u> </u>
Quantity	Description	Rate	Amount
300	COMMON		12.50 3,750.00T
7			20.00 140.00T
	CALCIUM		45.00 540.00T
	FLO-SEAL		2.00 176.00T
1	" 0 0 DE. ( 1 D 0 0		65.00T
	HANDLING		2.10 774.90
	.08 * SACKS * MILES		0.08 300.00
	SFC 0-500'		600.00
	PUMP TRUCK MILEAGE		8.00 80.00 -1.00 -700.65T
	DISCOUNT DISCOUNT		-1.00 -263.24
203.24	DISCOUNT EXPIRES AFTER 30 DAYS FROM THE DATE OF THE INVOICE	F	0.00
	DISCOUNT EXTIRES ATTER 30 DATS TROM THE DATE OF THE INVOICE		0.00
	SCHULZ # 7		
	Sales Tax STAFFORD		7.30% 289.84
			ł
			ļ
	,		
	$\eta$ , $\lambda$		]
	/ L *		
Thank you for you	ır husiness		
111am you for you		Total	\$5,751.85



Prepared For: Globe Operating Inc.

Pox Box 12

Great Bend ,Kansas 67530

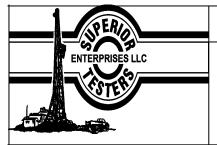
ATTN: Keith Reavis

### 22-21s-13w-Stafford

## Schult #7

Start Date: 2011.07.18 @ 10:45:00 End Date: 2011.07.18 @ 00:00:00 Job Ticket #: 15851 DST #: 1

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



Globe Operating Inc.

Schult #7

Unit No:

Pox Box 12

22-21s-13w-Stafford

Great Bend ,Kansas 67530

Job Ticket: 15851

DST#: 1

ATTN: Keith Reavis

Test Start: 2011.07.18 @ 10:45:00

#### **GENERAL INFORMATION:**

Formation: Arbuckle

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:00:00 Time Test Ended: 00:00:00

Interval:

3635.00 ft (KB) To 3649.00 ft (KB) (TVD)

Total Depth: 3649.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Ellis

3335-GB- 26

Reference Elevations:

1881.00 ft (KB)

1875.00 ft (CF)

KB to GR/CF: 6.00 ft

Serial #: 6806 Inside

Press@RunDepth: 1236.95 psia @ 3645.00 ft (KB) Capacity: 5000.00 psia

 Start Date:
 2011.07.18
 End Date:
 2011.07.18
 Last Calib.:
 2011.07.18

 Start Time:
 10:46:00
 End Time:
 19:12:00
 Time On Btm:
 2011.07.18 @ 12:23:30

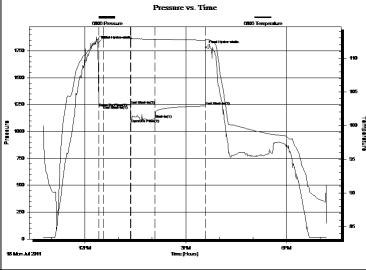
 Time Off Btm:
 2011.07.18 @ 15:35:30

TEST COMMENT: 1st open 10 minutes Strong blow bottom of bucket in 1 minute

1st shut in 45 minutes No blow

2nd open 45 minutes Strong blow bottom of bucket instantly

2nd shut in 90 minutes Yes blow back



	FIXESSUIVE SUIVIIVIAIXT				
Ī	Time	Pressure	Temp	Annotation	
	(Min.)	(psia)	(deg F)		
	0	1822.04	112.77	Initial Hydro-static	
	1	1224.10	113.06	Open To Flow (1)	
	10	1243.06	113.24	End Shut-In(1)	
	58	1246.26	112.95	End Shut-In(2)	
ď	59	1073.81	112.90	Open To Flow (2)	
	102	1117.95	112.80	Shut-In(1)	
7	192	1236.95	112.67	End Shut-In(3)	
	192	1777.18	112.81	Final Hydro-static	
				I	

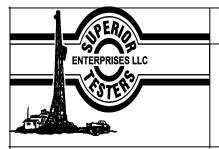
PRESSURE SUMMARY

#### Recovery

Length (ft)	Description	Volume (bbl)
0.00	1750 Gas in pipe 1750 feet	0.00
1680.00	Oil cut gas 25% gas 75% oil	23.57
60.00	Muddy Gassy Oil	0.84
120.00	40% Gas 20% Oil 40% mud	1.68
0.00	Gravity 39 Corrected	0.00
0.00		0.00

Gas Rat		
Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)

Superior Testers Enterprises LLC Ref. No: 15851 Printed: 2011.07.21 @ 10:54:33



Globe Operating Inc.

Schult #7

Pox Box 12

Great Bend ,Kansas 67530 Job Ticket: 15851

ATTN: Keith Reavis

Test Start: 2011.07.18 @ 10:45:00

DST#: 1

1875.00 ft (CF)

22-21s-13w-Stafford

#### **GENERAL INFORMATION:**

Formation: Arbuckle

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 00:00:00

Tester: Dustin Ellis
Time Test Ended: 00:00:00

Unit No: 3335-GB- 26

Interval: 3635.00 ft (KB) To 3649.00 ft (KB) (TVD) Reference Elevations: 1881.00 ft (KB)

Total Depth: 3649.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair KB to GR/CF: 6.00 ft

Serial #: 6663 Outside

Press@RunDepth: 1237.72 psia @ 3646.00 ft (KB) Capacity: 5000.00 psia

 Start Date:
 2011.07.18
 End Date:
 2011.07.18
 Last Calib.:
 2011.07.18

 Start Time:
 10:46:00
 End Time:
 19:27:00
 Time On Btm:
 2011.07.18 @ 12:26:30

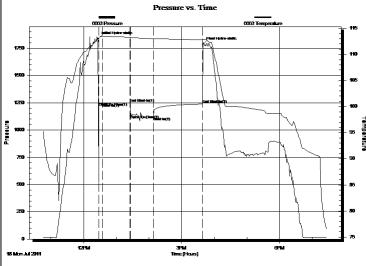
 Time Off Btm:
 2011.07.18 @ 15:39:00

TEST COMMENT: 1st open 10 minutes Strong blow bottom of bucket in 1 minute

1st shut in 45 minutes No blow

2nd open 45 minutes Strong blow bottom of bucket instantly

2nd shut in 90 minutes Yes blow back



	T KESSOKE SOMMAKT				
	Time	Pressure	Temp	Annotation	
	(Min.)	(psia)	(deg F)		
	0	1836.35	112.86	Initial Hydro-static	
	2	1210.49	113.12	Open To Flow (1)	
	8	1244.16	113.45	Shut-In(1)	
	59	1247.20	113.27	End Shut-In(1)	
1	60	1097.03	113.21	Open To Flow (2)	
	102	1118.99	113.00	Shut-In(2)	
•	193	1237.72	112.79	End Shut-In(2)	
	193	1787.73	112.92	Final Hydro-static	

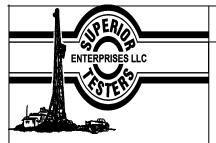
PRESSURE SUMMARY

#### Recovery

Length (ft)	Description	Volume (bbl)
0.00	1750 Gas in pipe 1750 feet	0.00
1680.00	Oil cut gas 25% gas 75% oil	23.57
60.00	Muddy Gassy Oil	0.84
120.00	40% Gas 20% Oil 40% mud	1.68
0.00	Gravity 39 Corrected	0.00
0.00		0.00

Gas Rat		
Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)

Superior Testers Enterprises LLC Ref. No: 15851 Printed: 2011.07.21 @ 10:54:33



**TOOL DIAGRAM** 

Globe Operating Inc.

ATTN: Keith Reavis

Schult #7

Pox Box 12

0.00 ft Diameter:

Diameter:

22-21s-13w-Stafford

Great Bend ,Kansas 67530

Job Ticket: 15851 **DST#:1** 

Test Start: 2011.07.18 @ 10:45:00

**Tool Information** 

Drill Collar:

Drill Pipe: Length: 3625.00 ft Diameter: Heavy Wt. Pipe: Length: 0.00 ft Diameter:

Length:

3.80 inches Volume: 50.85 bbl 0.00 inches Volume: 0.00 bbl 0.00 inches Volume: 0.00 bbl

Total Volume:

50.85 bbl

Tool Weight: 2000.00 lb Weight set on Packer: 20000.00 lb

Drill Pipe Above KB: 19.00 ft

Weight to Pull Loose: 76000.00 lb
Tool Chased 0.00 ft

Depth to Top Packer: 3635.00 ft

String Weight: Initial 50000.00 lb Final 56000.00 lb

Printed: 2011.07.21 @ 10:54:33

Depth to Bottom Packer: ft Interval between Packers: 14.00 ft

Tool Length: 43.00 ft
Number of Packers: 2

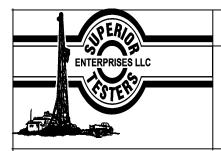
6.75 inches

Ref. No: 15851

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3607.00		
Shut-In Tool	5.00			3612.00		
Hydroic Tool	5.00			3617.00		
Jars	6.00			3623.00		
Safety Joint	2.00			3625.00		
Packer	5.00			3630.00	29.00	Bottom Of Top Packer
Packer	5.00			3635.00		
Perforations	9.00			3644.00		
Recorder	1.00	6806	Inside	3645.00		
Recorder	1.00	6663	Outside	3646.00		
Bullnose	3.00			3649.00	14.00	Bottom Packers & Anchor

Total Tool Length: 43.00



**FLUID SUMMARY** 

Globe Operating Inc.

Schult #7

Pox Box 12

22-21s-13w-Stafford

Great Bend ,Kansas 67530

Job Ticket: 15851

Serial #:

DST#: 1

ATTN: Keith Reavis

Test Start: 2011.07.18 @ 10:45:00

### **Mud and Cushion Information**

Mud Type: Gel Chem Cushion Type: Oil API: deg API Mud Weight: Cushion Length: Water Salinity: ppm

9.00 lb/gal ft Viscosity: 56.00 sec/qt Cushion Volume: bbl

Water Loss: 11.98 in<sup>3</sup> Gas Cushion Type:

Resistivity: Gas Cushion Pressure: ohm.m psia

Salinity: 8300.00 ppm Filter Cake: 1.00 inches

### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
0.00	1750 Gas in pipe 1750 feet	0.000
1680.00	Oil cut gas 25% gas 75% oil	23.566
60.00	Muddy Gassy Oil	0.842
120.00	40% Gas 20% Oil 40% mud	1.683
0.00	Gravity 39 Corrected	0.000
0.00		0.000

Total Length: 1860.00 ft Total Volume: 26.091 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0

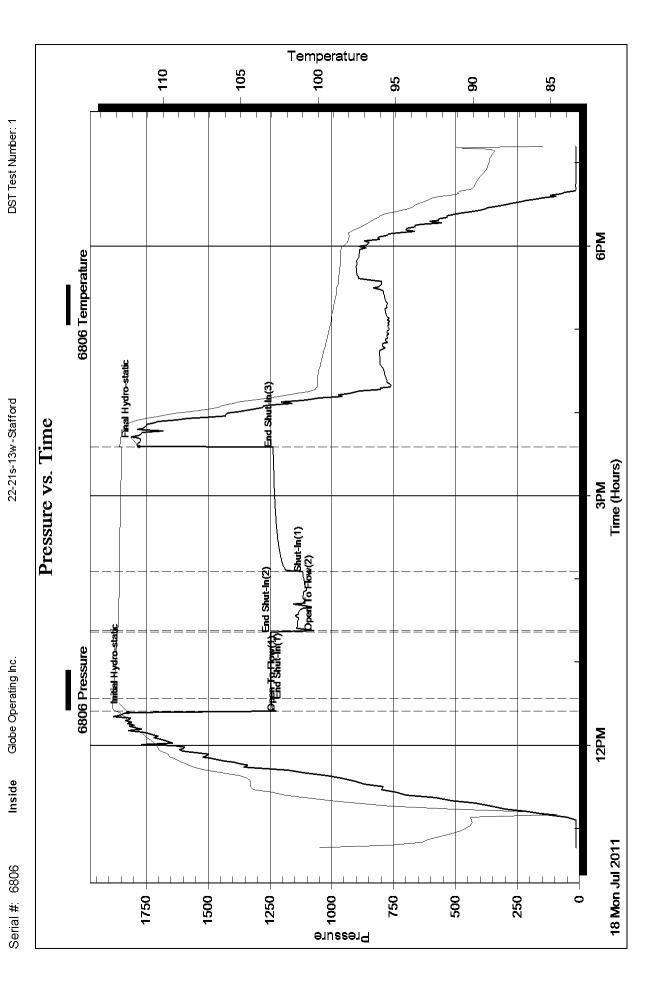
Laboratory Name: Laboratory Location:

Ref. No: 15851

Recovery Comments:

Superior Testers Enterprises LLC

Printed: 2011.07.21 @ 10:54:33



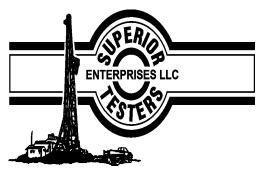
DST Test Number: 1

22-21s-13w - Stafford

Outside Globe Operating Inc.

Serial #: 6663

Printed: 2011.07.21 @ 10:54:34 15851 Ref. No: Superior Testers Enterprises LLC



Prepared For: Globe Operating Inc.

Pox Box 12

Great Bend ,Kansas 67530

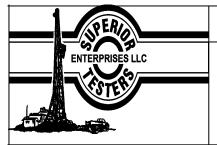
ATTN: Keith Reavis

### 22-21s-13w-Stafford

## Schult #7

Start Date: 2011.07.18 @ 02:15:00 End Date: 2011.07.18 @ 00:00:00 Job Ticket #: 15852 DST #: 2

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



Globe Operating Inc.

Schult #7

Tester:

Unit No:

Pox Box 12

22-21s-13w-Stafford

Great Bend ,Kansas 67530

Job Ticket: 15852 DST#: 2

ATTN: Keith Reavis

Test Start: 2011.07.18 @ 02:15:00

Dustin Ellis

3335-24 -GB

#### **GENERAL INFORMATION:**

Formation: **Arbuckle** 

Interval:

Deviated: Test Type: Conventional Bottom Hole (Initial) No Whipstock: ft (KB)

Time Tool Opened: 00:00:00 Time Test Ended: 00:00:00

> Reference Elevations: 1881.00 ft (KB)

3651.00 ft (KB) To 3664.00 ft (KB) (TVD) Total Depth: 3664.00 ft (KB) (TVD)

1875.00 ft (CF)

7.88 inches Hole Condition: Fair Hole Diameter:

KB to GR/CF: 6.00 ft

Serial #: 6806 Inside

Press@RunDepth: 5000.00 psia 1237.90 psia @ 3660.00 ft (KB) Capacity:

Start Date: 2011.07.18 End Date: 2011.07.18 Last Calib.: 2011.07.18

Start Time: 02:16:00 End Time: 10:47:00 Time On Btm:

> Time Off Btm: 2011.07.18 @ 03:30:30

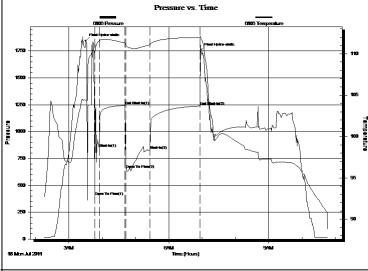
> > PRESSURE SUMMARY

TEST COMMENT: 1st open 10 minutes Strong blow bottom bucket less than 1 minute

1st shutin 45minutes Blow back

2nd open 45minutes Strong blow bottom bucket 2 minutes

2nd shutin 90minutes Blow back



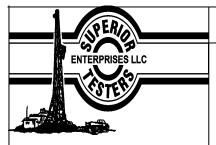
Ī	Time	Pressure	Temp	Annotation
	(Min.)	(psia)	(deg F)	
	0	1844.51	104.34	Final Hydro-static
	17	398.90	110.07	Open To Flow (1)
	25	847.54	111.49	Shut-In(1)
	71	1243.63	111.30	End Shut-In(1)
1	73	653.90	111.00	Open To Flow (2)
	117	829.18	111.10	Shut-In(2)
•	206	1237.90	111.91	End Shut-In(2)
	208	1756.36	111.90	Final Hydro-static

#### Recovery

Length (ft)	Length (ft) Description	
0.00	1400 Gas in the pipe	0.00
2130.00	Clean Gassy oil 30% Gas 70%	29.88
120.00	mudy gassy oil	1.68
0.00	50%Gas 30%Oil 20% Mud	0.00
0.00	Gravity 39 Corrected	0.00

Gas Rat		
Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)

Superior Testers Enterprises LLC Ref. No: 15852 Printed: 2011.07.21 @ 10:53:56



Globe Operating Inc.

Schult #7

Pox Box 12

22-21s-13w-Stafford

Great Bend ,Kansas 67530

Job Ticket: 15852 **DST#:2** 

ATTN: Keith Reavis Test Start: 2011.07.18 @ 02:15:00

**GENERAL INFORMATION:** 

Formation: Arbuckle

Deviated: No Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

 Time Tool Opened: 00:00:00
 Tester:
 Dustin Ellis

 Time Test Ended: 00:00:00
 Unit No:
 3335-24 -GB

Interval: 3651.00 ft (KB) To 3664.00 ft (KB) (TVD)

Total Depth: 3664.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1881.00 ft (KB)

KB to GR/CF: 6.00 ft

1875.00 ft (CF)

Serial #: 6663 Outside

Press@RunDepth: 1239.07 psia @ 3661.00 ft (KB) Capacity: 5000.00 psia

 Start Date:
 2011.07.18
 End Date:
 2011.07.18
 Last Calib.:
 2011.07.18

 Start Time:
 02:16:00
 End Time:
 10:55:00
 Time On Btm:
 2011.07.18 @ 03:29:30

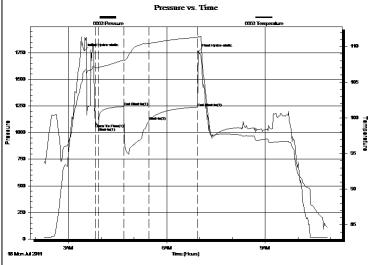
 Time Off Btm:
 2011.07.18 @ 06:57:30

TEST COMMENT: 1st open 10 minutes Strong blow bottom bucket less than 1 minute

1st shutin 45minutes Blow back

2nd open 45minutes Strong blow bottom bucket 2 minutes

2nd shutin 90minutes Blow back



	PRESSURE SUMMARY							
Ī	Time	Pressure	Temp	Annotation				
	(Min.)	(psia)	(deg F)					
	0	1770.23	106.53	Initial Hydro-static				
	21	1038.39	107.01	Open To Flow (1)				
	26	1046.79	107.04	Shut-In(1)				
	72	1244.80	108.11	End Shut-In(1)				
	118	1107.49	110.43	Shut-In(2)				
	208	1239.07	111.25	End Shut-In(2)				
	208	1762.61	111.41	Final Hydro-static				

DDECCLIDE CLIMMADY

#### Recovery

Length (ft)	Description	Volume (bbl)		
0.00	.00 1400 Gas in the pipe			
2130.00	30.00 Clean Gassy oil 30% Gas 70%			
120.00	120.00 mudy gassy oil			
0.00	00 50%Gas 30%Oil 20% Mud			
0.00 Gravity 39 Corrected		0.00		

Gas Rates				
Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)		

Superior Testers Enterprises LLC Ref. No: 15852 Printed: 2011.07.21 @ 10:53:57



Total Volume:

**TOOL DIAGRAM** 

2000.00 lb

Globe Operating Inc.

Schult #7

Pox Box 12

22-21s-13w-Stafford

Great Bend ,Kansas 67530

Job Ticket: 15852 **DST#: 2** 

ATTN: Keith Reavis Test Start: 2011.07.18 @ 02:15:00

51.21 bbl

**Tool Information** 

Drill Pipe: Length: 3651.00 ft Diameter: 3.80 inches Volume: 51.21 bbl Tool Weight: Heavy Wt. Pipe: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Weight set of Drill Collar: Length: 0.00 ft Diameter: 0.00 inches Volume: 0.00 bbl Weight to Pul

Weight set on Packer: 20000.00 lb Weight to Pull Loose: 68000.00 lb

Drill Pipe Above KB: 29.00 ft
Depth to Top Packer: 3651.00 ft

 Tool Chased
 0.00 ft

 String Weight:
 Initial
 48000.00 lb

 Final
 58000.00 lb

Printed: 2011.07.21 @ 10:53:57

Depth to Bottom Packer: ft Interval between Packers: 13.00 ft

1 mai 30000.00 ib

Tool Length: 42.00 ft

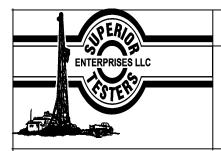
Number of Packers: 2 Diameter: 6.75 inches

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3623.00		
Shut-In Tool	5.00			3628.00		
Hydroic Tool	5.00			3633.00		
Jars	6.00			3639.00		
Safety Joint	2.00			3641.00		
Packer	5.00			3646.00	29.00	Bottom Of Top Packer
Packer	5.00			3651.00		
Perforations	8.00			3659.00		
Recorder	1.00	6806	Inside	3660.00		
Recorder	1.00	6663	Outside	3661.00		
Bullnose	3.00			3664.00	13.00	Bottom Packers & Anchor

Ref. No: 15852

Total Tool Length: 42.00



**FLUID SUMMARY** 

Globe Operating Inc.

Schult #7

Pox Box 12

22-21s-13w-Stafford

Great Bend ,Kansas 67530

Job Ticket: 15852

DST#: 2

ATTN: Keith Reavis

Test Start: 2011.07.18 @ 02:15:00

Printed: 2011.07.21 @ 10:53:57

### **Mud and Cushion Information**

Mud Type:Gel ChemCushion Type:Oil A Pl:deg A PlMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Viscosity: 56.00 sec/qt Cushion Volume: bbl

Water Loss: 11.99 in<sup>3</sup> Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psia

Salinity: 8300.00 ppm
Filter Cake: 1.00 inches

### **Recovery Information**

#### Recovery Table

Length ft	9.	
0.00	1400 Gas in the pipe	0.000
2130.00	Clean Gassy oil 30% Gas 70%	29.878
120.00	mudy gassy oil	1.683
0.00	50%Gas 30%Oil 20% Mud	0.000
0.00	Gravity 39 Corrected	0.000

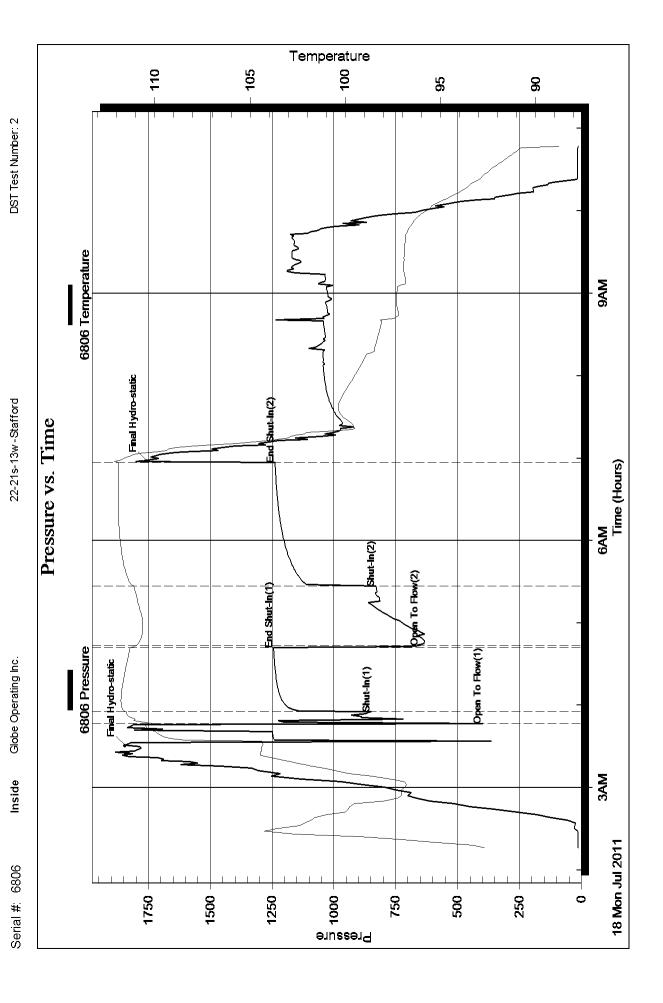
Total Length: 2250.00 ft Total Volume: 31.561 bbl

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

Laboratory Name: Laboratory Location:

Ref. No: 15852

Recovery Comments:



Superior Testers Enterprises LLC

DST Test Number: 2

22-21s-13w - Stafford

Outside Globe Operating Inc.

Serial #: 6663





Prepared For: Globe Operating Inc.

Pox Box 12

Great Bend ,Kansas 67530

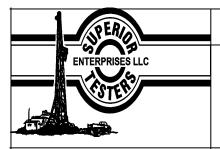
ATTN: Keith Reavis

### 22-21s-13w-Stafford

## Schult #7

Start Date: 2011.07.19 @ 07:20:00 End Date: 2011.07.19 @ 00:00:00 Job Ticket #: 155853 DST#: 3

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



Globe Operating Inc.

ATTN: Keith Reavis

Schult #7

Pox Box 12

Great Bend ,Kansas 67530

Job Ticket: 155853 DST#: 3

1881.00 ft (KB)

1875.00 ft (CF)

Test Start: 2011.07.19 @ 07:20:00

22-21s-13w-Stafford

#### **GENERAL INFORMATION:**

Formation: **Arbuckle** 

Deviated: Test Type: Conventional Bottom Hole (Initial) No Whipstock: ft (KB)

Time Tool Opened: 08:45:00 Tester: Dustin Ellis Time Test Ended: 00:00:00 Unit No: 3335-GB-26 miles

3672.00 ft (KB) To 3680.00 ft (KB) (TVD) Interval: Reference Elevations:

Total Depth: 3680.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair Hole Diameter: KB to GR/CF: 6.00 ft

Serial #: 6663 Outside

Press@RunDepth: 1246.16 psia @ 3677.00 ft (KB) Capacity: 5000.00 psia

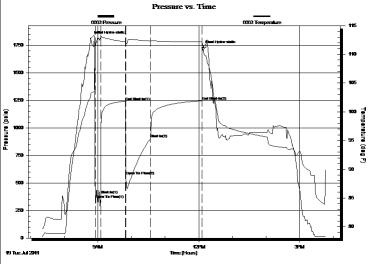
Start Date: 2011.07.19 End Date: 2011.07.19 Last Calib.: 2011.07.19 07:20:00 End Time: Start Time: 15:46:30 Time On Btm: 2011.07.19 @ 08:47:30 Time Off Btm: 2011.07.19 @ 12:06:00

TEST COMMENT: 1st open 10 minutes Strong blow blew bottom of bucket 1 minute

1st shut in 45 minutes no blow back

2nd open 45 minutes Strong blow bottom of bucket in less than 1 minute

2nd shut in 90 minutes blow back bottom of bucket



	Time	Pressure	Temp	Annotation
	(Min.)	(psia)	(deg F)	
	0	1814.73	103.15	Initial Hydro-static
	8	353.85	110.99	Open To Flow (1)
	18	396.90	113.09	Shut-In(1)
	62	1243.31	112.18	End Shut-In(1)
	63	567.84	111.95	Open To Flow (2)
	107	906.14	112.29	Shut-In(2)
,	198	1246.16	112.14	End Shut-In(2)
,	199	1727.74	112.23	Final Hydro-static

PRESSURE SUMMARY

#### Recovery

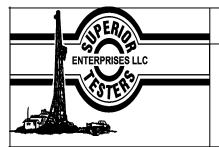
Length (ft)	Length (ft) Description			
0.00	0.00 Gas to surface on the final shut-in			
2000.00	28.05			
0.00	0.00 Gravity 41 corrected			
360.00	60.00 Water Chlorides 15000			
0.00 Resisitivity 1.9 @ 82 degrees		0.00		

Gas Rat	es	

Gas Rate (Mcf/d)

Choke (inches) Pressure (psia)

Superior Testers Enterprises LLC Printed: 2011.07.19 @ 15:51:08 Ref. No: 155853



Globe Operating Inc.

ATTN: Keith Reavis

Schult #7

Pox Box 12

Great Bend ,Kansas 67530 Job Ticket: 155853

DST#: 3

Test Start: 2011.07.19 @ 07:20:00

22-21s-13w-Stafford

Reference Elevations:

#### **GENERAL INFORMATION:**

Formation: **Arbuckle** 

Deviated: Test Type: Conventional Bottom Hole (Initial) No Whipstock: ft (KB)

Time Tool Opened: 08:45:00 Tester: Dustin Ellis Time Test Ended: 00:00:00 Unit No: 3335-GB-26 miles

3672.00 ft (KB) To 3680.00 ft (KB) (TVD) Interval:

Total Depth: 3680.00 ft (KB) (TVD)

7.88 inches Hole Condition: Fair Hole Diameter: KB to GR/CF:

1875.00 ft (CF)

1881.00 ft (KB)

6.00 ft

Serial #: 6806 Inside

Press@RunDepth: 5000.00 psia 1246.03 psia @ 3676.00 ft (KB) Capacity:

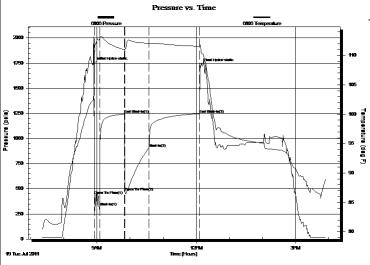
Start Date: 2011.07.19 End Date: 2011.07.19 Last Calib.: 2011.07.19 07:20:00 End Time: Start Time: 15:55:00 Time On Btm: 2011.07.19 @ 08:53:00 Time Off Btm: 2011.07.19 @ 12:06:30

TEST COMMENT: 1st open 10 minutes Strong blow blew bottom of bucket 1 minute

1st shut in 45 minutes no blow back

2nd open 45 minutes Strong blow bottom of bucket in less than 1 minute

2nd shut in 90 minutes blow back bottom of bucket



	PRESSURE SUMMARY						
Ī	Time	Pressure	Temp	Annotation			
	(Min.)	(psia)	(deg F)				
	0	1737.11	102.40	Initial Hydro-static			
	2	439.16	106.63	Open To Flow (1)			
	12	321.56	112.87	Shut-In(1)			
<b>-</b>	57	1243.18	111.00	End Shut-In(1)			
Temperature (deg F)	58	471.34	110.97	Open To Flow (2)			
į	102	908.13	112.05	Shut-In(2)			
œ.	193	1246.03	111.55	End Shut-In(2)			
J	194	1721.98	111.80	Final Hydro-static			

DDECCLIDE CLIMANA DV

#### Recovery

Length (ft)	Description	Volume (bbl)		
0.00	Gas to surface on the final shut-in			
2000.00	Clean gassy oil 45% Gas 55% Oil	28.05		
0.00	Gravity 41 corrected	0.00		
360.00	Water Chlorides 15000	5.05		
0.00 Resisitivity 1.9 @ 82 degrees		0.00		

Gas Rat	es	

Gas Rate (Mcf/d)

Choke (inches) Pressure (psia)

Superior Testers Enterprises LLC Ref. No: 155853 Printed: 2011.07.19 @ 15:51:08



**TOOL DIAGRAM** 

Globe Operating Inc.

Schult #7

Pox Box 12

22-21s-13w-Stafford

Great Bend ,Kansas 67530

Job Ticket: 155853

DST#: 3

ATTN: Keith Reavis

Test Start: 2011.07.19 @ 07:20:00

String Weight: Initial 50000.00 lb

Printed: 2011.07.19 @ 15:51:09

**Tool Information** 

Drill Collar:

Drill Pipe: Heavy Wt. Pipe: Length:

Length:

Length: 3654.00 ft Diameter: 0.00 ft Diameter:

Diameter:

0.00 ft Diameter:

2

3.80 inches Volume: 51.26 bbl 0.00 inches Volume: 0.00 bbl 0.00 inches Volume:

51.26 bbl

Total Volume:

Tool Weight: Weight set on Packer: 20000.00 lb 0.00 bbl Weight to Pull Loose: 62000.00 lb

Tool Chased

2000.00 lb

Final 62000.00 lb

0.00 ft

Drill Pipe Above KB: 11.00 ft Depth to Top Packer: 3672.00 ft

Depth to Bottom Packer: ft Interval between Packers: 8.00 ft 37.00 ft Tool Length:

6.75 inches

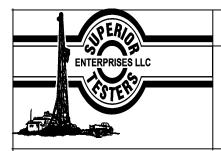
Ref. No: 155853

Tool Comments:

Number of Packers:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3644.00		
Shut-In Tool	5.00			3649.00		
Hydroic Tool	5.00			3654.00		
Jars	6.00			3660.00		
Safety Joint	2.00			3662.00		
Packer	5.00			3667.00	29.00	Bottom Of Top Packer
Packer	5.00			3672.00		
Perforations	3.00			3675.00		
Recorder	1.00	6806	Inside	3676.00		
Recorder	1.00	6663	Outside	3677.00		
Bullnose	3.00			3680.00	8.00	Bottom Packers & Anchor

**Total Tool Length:** 37.00



**FLUID SUMMARY** 

Globe Operating Inc.

ATTN: Keith Reavis

Schult #7

Pox Box 12

Great Bend ,Kansas 67530

22-21s-13w-Stafford

Job Ticket: 155853

DST#: 3

Test Start: 2011.07.19 @ 07:20:00

**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: 46.00 sec/qt Cushion Volume: bbl

Water Loss: 24.77 in<sup>3</sup> Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psia

Salinity: 26000.00 ppm Filter Cake: 1.00 inches

#### **Recovery Information**

#### Recovery Table

Length ft	Description	Volume bbl
0.00	Gas to surface on the final shut-in	0.000
2000.00	Clean gassy oil 45% Gas 55% Oil	28.055
0.00	Gravity 41 corrected	0.000
360.00	Water Chlorides 15000	5.050
0.00	Resisitivity 1.9 @ 82 degrees	0.000

Total Length: 2360.00 ft Total Volume: 33.105 bbl

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

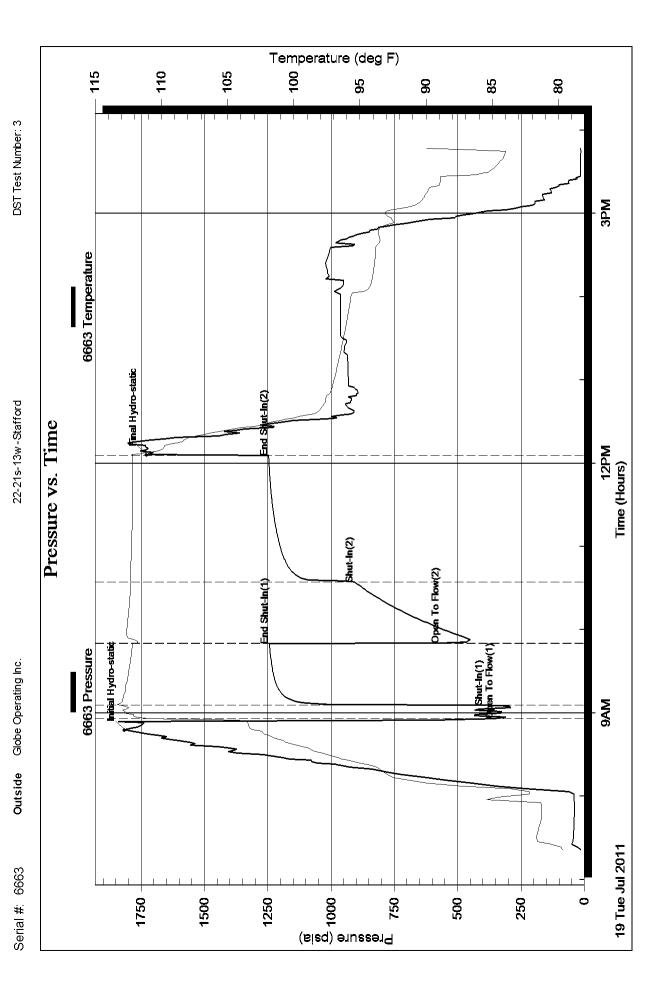
Laboratory Name: Laboratory Location:

Ref. No: 155853

Recovery Comments:

Superior Testers Enterprises LLC

Printed: 2011.07.19 @ 15:51:09



Superior Testers Enterprises LLC

