



KANSAS CORPORATION COMMISSION 1060095  
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 # 6170  
Name: Globe Operating, Inc.  
Address 1: PO BOX 12  
Address 2: \_\_\_\_\_  
City: GREAT BEND State: KS Zip: 67530 + 0012  
Contact Person: Richard Stalcup  
Phone: ( 620 ) 792-7607  
CONTRACTOR: License # 33905  
Name: Royal Drilling Inc  
Wellsite Geologist: Keith Reavis  
Purchaser: NCRA

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 #: \_\_\_\_\_

05/09/2011    05/19/2011    07/08/2011  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 15-185-23673-00-00

Spot Description: 166' S 140'W

NE SW SE NW Sec. 13 Twp. 25 S. R. 14  East  West

2146 Feet from  North /  South Line of Section

1840 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE  NW  SE  SW

County: Stafford

Lease Name: FOX Well #: 2

Field Name: Albano Siouth

Producing Formation: Arbuckle

Elevation: Ground: 1963 Kelly Bushing: 1969

Total Depth: 4375 Plug Back Total Depth: 3796

Amount of Surface Pipe Set and Cemented at: 861 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: 60000 ppm Fluid volume: 500 bbls

Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: Gee Oil Service

Lease Name: Rogers License #: 34260

Quarter W2 Sec. 34 Twp. 23 S. R. 13  East  West

County: Stafford Permit #: D-23,350

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 Garrison Date: 08/08/2011



1060095

Operator Name: Globe Operating, Inc. Lease Name: FOX Well #: 2  
 Sec. 13 Twp. 25 S. R. 14  East  West County: Stafford

**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: <b>Attached</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum See attached Geologist Report
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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	12.2500	8.6250	23	861	Common	500	65/35 poz 6% gel 3% CC
Casing	7.8750	5.5000	15.5	4351		255	AA-2 11% A serv-lite

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
2	4065-4095	1500 gal 15% NE FE 15 Tank Slick Water Frac	
	CIBP @ 3794'		
2	3723-26	250 gal 15% mud acid	

TUBING RECORD: Size: <u>2-7/8"</u> Set At: <u>3790</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>07/08/2011</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>25</u>	Gas Mcf	Water Bbls. <u>50</u> Gas-Oil Ratio _____ Gravity <u>38</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" 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) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Globe Operating, Inc.
Well Name	FOX 2
Doc ID	1060095

All Electric Logs Run

Compensated Density/Neutron Log	
Dual Induction Log	
Micro Log	
Sonic Log	

**OPERATOR**

Company: Globe Operating, Inc.  
 Address: P.O. Box 12  
 Great Bend, KS 67530

Contact Geologist:  
 Contact Phone Nbr:

Well Name: Fox #2  
 Location: Sec 13 - T25S - R14W  
 Pool:  
 State: Kansas

API: 15-185-23673-0000  
 Field: Albano South  
 Country: USA

Scale 1:240 Imperial

Well Name: Fox #2  
 Surface Location: Sec 13 - T25S - R14W  
 Bottom Location:  
 API: 15-185-23673-0000  
 License Number: 6170  
 Spud Date: 5/9/2011 Time: 15:34  
 Region: Stafford County  
 Drilling Completed: 5/19/2011 Time: 14:10  
 Surface Coordinates: 2146' FNL & 1840' FWL  
 Bottom Hole Coordinates:  
 Ground Elevation: 1962.00ft  
 K.B. Elevation: 1969.00ft  
 Logged Interval: 3600.00ft To: 4375.00ft  
 Total Depth: 4375.00ft  
 Formation:  
 Drilling Fluid Type: Chemical/Fresh Water Gel

**SURFACE CO-ORDINATES**

Well Type: Vertical  
 Longitude: Latitude:  
 N/S Co-ord: 2146' FNL  
 E/W Co-ord: 1840' FWL

**LOGGED BY**

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  
 Rig #: 1  
 Rig Type: mud rotary  
 Spud Date: 5/9/2011 Time: 15:34  
 TD Date: 5/19/2011 Time: 14:10  
 Rig Release: Time:

**ELEVATIONS**

K.B. Elevation: 1969.00ft Ground Elevation: 1962.00ft  
 K.B. to Ground: 7.00ft

**NOTES**

Due to favorable results from DST #1 and favorable log calculations in the Mississippian Chert, it was recommended that 5 1/2 inch productions casing be set and cemented and the Fox #2 be further tested through perforations and stimulation in the Mississippian Chert and Lansing B formations.

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

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

The gamma ray and caliper were imported into this report from the electrical logs and represent actual log depths. These curves were not shifted to match drill time as plotted during the drilling of this well.

Respectfully submitted  
Keith Reavis, KLG #136

# Globe Operating, Inc.

## DAILY DRILLING REPORT

DATE	7:00 AM DEPTH	Last 24 Hour Operations
05/15/2011		Geologist Keith Reavis on location @ 0250 hrs, 3524 ft. Check Bloodhound, drilling ahead Heebner, Toronto, Douglas, Lansing, show and kick in B zone warrants DST, short trip, ctch TOH for DST #1, conducting DST #1
05/16/2011	3750	complete DST #1, successful test, TIH, resume drilling, LCK, lower Penn
05/17/2011	4068	drilling ahead, Penn Congl, Marmaton, Mississippian, show and gas kick warrant test, short trip, TOH, conduct and complete DST #2, successful test, TIH w/bit
05/18/2011	4165	finish TIH, ctch, resume drilling Mississippian, Viola, show and gas kick in Viola warrants DST, TOH for DST #3, conduct and complete DST, successful test, resume drilling Simpson
05/19/2011	4285	drilling ahead, Simpson, Arbuckle, rathole to TD, 4375 ft, 1410 hrs, , conduct and complete logging operations, geologist off location @ 2100 hrs

# Globe Operating, Inc.

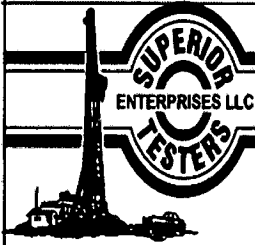
## WELL COMPARISON SHEET

DRILLING WELL Fox #2 2146' FNL & 1840' FWL Sec 13 - T25S - R14W 1969 KB					COMPARISON WELL Kem & Hellar #1 Kachelman SW NW NE Sec 13 - T25S - R14W 1967 KB				COMPARISON WELL Griggs #1-13 Kachelman C E/2 NW NE Sec 13 - T25S - R14W 1970 KB			
Formation	Sample	Sub-Sea	Log	Sub-Sea	Log	Sub-Sea	Sample	Log	Log	Sub-Sea	Sample	Log
Heebner	3516	-1547	3514	-1545	3504	-1537	-10	-8	3508	-1538	-9	-7
Toronto	3538	-1569	3534	-1565	3526	-1559	-10	-6	3529	-1559	-10	-6
Douglas	3559	-1590	3555	-1586	3546	-1579	-11	-7	3549	-1579	-11	-7
Brown Lime	3669	-1700	3667	-1698	3660	-1693	-7	-5	3661	-1691	-8	-7
Lansing	3700	-1731	3698	-1729	3691	-1724	-7	-5	3690	-1720	-11	-9
Lansing H	3837	-1868	3836	-1867	3828	-1861	-7	-6	3828	-1858	-10	-9
Base KC	3956	-1987	3955	-1986	3949	-1982	-5	-4	3950	-1980	-7	-6
Marmaton	4029	-2060	4029	-2060	4017	-2050	-10	-10	4022	-2052	-8	-8
Mississippian	4065	-2096	4065	-2096	4073	-2106	10	10	4063	-2093	-3	-3
Viola	4173	-2204	4173	-2204	4164	-2197	-7	-7	4177	-2207	3	3
Simpson	4216	-2247	4220	-2251	4198	-2231	-16	-20	4214	-2244	-3	-7
2nd Simp Sd	np				np				np			
Arbuckle Dol.	4277	-2308	4276	-2307	4254	-2287	-21	-20	4273	-2303	-5	-4
Total Depth	4375	-2406	4372	-2403								

COMPARISON WELL Globe - Fox #1 1324' FNL & 2636' FEL Sec 13 - T25S - R14W 1972 KB				
Formation	Log	Sub-Sea	Sample	Log
Heebner	3511	-1539	-8	-6
Toronto	3533	-1561	-8	-4
Douglas	3552	-1580	-10	-6
Brown Lime	3665	-1693	-7	-5
Lansing	3694	-1722	-9	-7
Lansing H	3830	-1858	-10	-9
Base KC	3950	-1978	-9	-8
Marmaton	4020	-2048	-12	-12
Mississippian	4079	-2107	11	11
Viola	4172	-2200	-4	-4
Simpson	4204	-2232	-15	-19
2nd Simp Sd	4260	-2288		

Arbuckle Dol.	4313	-2341	33	34
Total Depth	4400	-2428	22	25

**DST #1 - Partial Mis-Run, Shut-in tool did not work, test was continuous flow**



**DRILL STEM TEST REPORT**

Globe Operating Inc.  
P.O.Box 12  
Great Bend, Kansas 67530  
ATTN: Keith

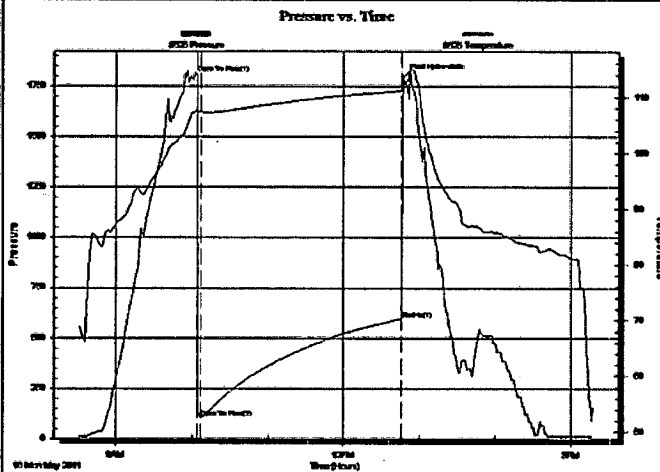
**Fox #2**  
**13-25s-14w Stafford**  
Job Ticket: 16488      **DST#: 1**  
Test Start: 2011.05.15 @ 08:30:00

**GENERAL INFORMATION:**

Formation: **Kansas City "B & C"**  
Deviated: **No Whipstock**      ft (KB)  
Time Tool Opened: 00:00:00  
Time Test Ended: 00:00:00  
Interval: **3710.00 ft (KB) To 3750.00 ft (KB) (TVD)**  
Total Depth: **3750.00 ft (KB) (TVD)**  
Hole Diameter: **7.88 inches** Hole Condition: **Fair**  
Test Type: **Conventional Bottom Hole (Initial)**  
Tester: **Gene Budig**  
Unit No: **3325-100**  
Reference Elevations: **1969.00 ft (KB)**  
**1962.00 ft (CF)**  
**KB to GR/CF: 7.00 ft**

**Serial #: 8525      Outside**  
Press@RunDepth:      psia @      3747.00 ft (KB)      Capacity:      5000.00 psia  
Start Date:      2011.05.16      End Date:      2011.05.16      Last Calib.:      2011.05.16  
Start Time:      08:31:00      End Time:      15:18:00      Time On Btm:        
Time Off Btm:      2011.05.16 @ 12:47:00

**TEST COMMENT:** 1st Opening 10 Minutes Strong blow built to the bottom of a 5 gallon bucket in 1 minute  
1st Shut-in 45 Minutes-Good blow back w ith gas to surface in 40 minutes  
2nd Opening 45 Minutes- gas Gauged from 2 MCF to 5 MCF  
2n Shut-in 60 Minutes-Good blow back



**PRESSURE SUMMARY**

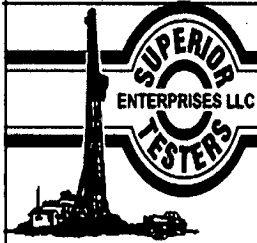
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1815.78	107.73	Open To Flow (1)
3	105.76	107.37	Open To Flow (2)
163	594.50	111.14	Shut-In(1)
164	1795.97	111.40	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbf)
70.00	0	0.98
0.00	40% Gas 15% Oil 30% Mud 15% Water	0.00
60.00	Muddy Frothy Oil	0.84
0.00	20% Gas 72% BS 3% Mud 5% Water	0.00
210.00	muddy gassy frothy oil	2.95
720.00	Water	10.10

**Gas Rates**

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



### DRILL STEM TEST REPORT

Globe Operating Inc.  
 P.O.Box 12  
 Great Bend ,Kansas 67530  
 ATTN: Keith

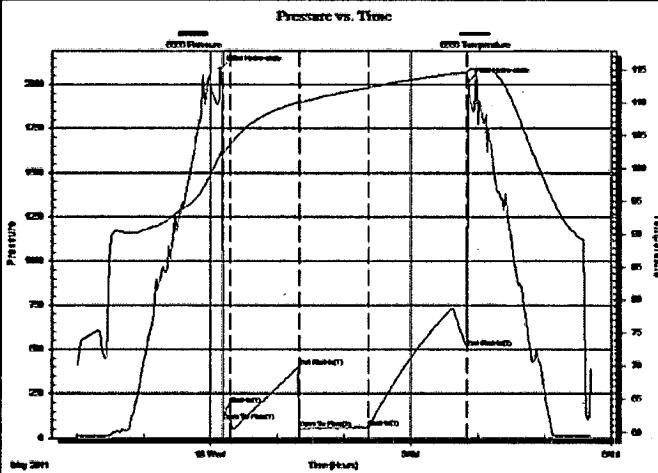
**Fox #2**  
**13-25s-14w Stafford**  
 Job Ticket: 15806      **DST#: 2**  
 Test Start: 2011.05.17 @ 22:00:00

**GENERAL INFORMATION:**

Formation: **MISS**  
 Deviated: **No** Whipstock: **ft (KB)** Test Type: **Conventional Bottom Hole (Initial)**  
 Time Tool Opened: **00:11:00** Tester: **DAVID NICHOLS**  
 Time Test Ended: **05:41:30** Unit No: **3325**  
 Interval: **4040.00 ft (KB) To 4100.00 ft (KB) (TVD)** Reference Elevations: **1969.00 ft (KB)**  
 Total Depth: **4100.00 ft (KB) (TVD)** **1962.00 ft (CF)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Fair** KB to GR/CF: **7.00 ft**

**Serial #: 6666**      **Inside**  
 Press@RunDepth: **58.87 psia @ 4094.00 ft (KB)** Capacity: **5000.00 psia**  
 Start Date: **2011.05.17** End Date: **2011.05.18** Last Calib.: **2011.05.17**  
 Start Time: **22:00:00** End Time: **05:41:30** Time On Btm: **2011.05.18 @ 00:08:30**  
 Time Off Btm: **2011.05.18 @ 03:52:00**

**TEST COMMENT:** 10-INITIAL OPENING WEAK BLOW FOR 7 MINS AT 1 INCH INTO WATER THEN GOOD BLOW BOTTOM BUCKET  
 60-INITIAL SHUT IN NO BLOW BACK  
 60-FINAL OPENING STRONG BLOW BOTTOM BUCKET IN 10 SEC THEN DIED OFF TO A WEAK BLOW  
 90-FINAL SHUT IN GOOD BLOW BACK



**PRESSURE SUMMARY**

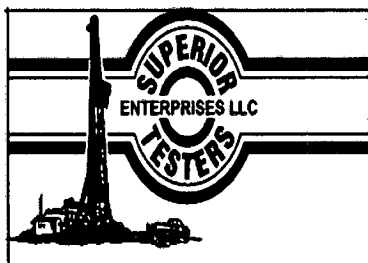
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2089.84	102.07	Initial Hydro-static
3	96.83	102.28	Open To Flow (1)
9	187.81	103.67	Shut-In(1)
71	404.17	110.09	End Shut-In(1)
72	53.62	110.01	Open To Flow (2)
134	58.87	112.26	Shut-In(2)
223	508.83	114.56	End Shut-In(2)
224	2022.90	114.98	Final Hydro-static

**Recovery**

Length (ft)	Description	Volume (bbl)
15.00	MUD 100% MUD	0.22

**Gas Rates**

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



## DRILL STEM TEST REPORT

Globe Operating Inc.  
 P.O.Box 12  
 Great Bend, Kansas 67530  
 ATTN: Keith

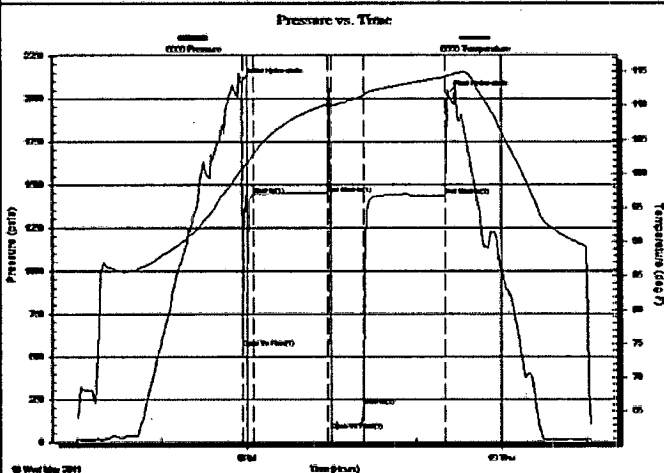
Fox #2  
 13-25s-14w Stafford  
 Job Ticket: 15807      DST#: 3  
 Test Start: 2011.05.18 @ 19:00:00

### GENERAL INFORMATION:

Formation: **VIOLA**  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 20:56:30  
 Time Test Ended: 01:04:00  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: DAVID NICHOLS  
 Unit No: 3325  
 Interval: 4188.00 ft (KB) To 4220.00 ft (KB) (TVD)  
 Reference Elevations: 1969.00 ft (KB)  
 Total Depth: 4220.00 ft (KB) (TVD)  
 1962.00 ft (CF)  
 Hole Diameter: 7.88 inches      Hole Condition: Fair  
 KB to GR/CF: 7.00 ft

Serial #: 6666      Inside  
 Press@RunDepth: 211.09 psia @ 4216.00 ft (KB)      Capacity: 5000.00 psia  
 Start Date: 2011.05.18      End Date: 2011.05.19      Last Calib.: 2011.05.18  
 Start Time: 19:00:00      End Time: 01:04:00      Time On Btm: 2011.05.18 @ 20:56:00  
 Time Off Btm: 2011.05.18 @ 23:22:00

TEST COMMENT: 10-INITIAL OPENING VERY WEAK BLOW DIED AFTER 5 MIN  
 45-INITIAL SHUTIN NO BLOWBACK  
 30-FINAL OPEANING NO BLOW FOR 7 MIN FLUSHED TOOL WEAK BLOW BUILT TO 1 IN INTO WATER  
 60-FINAL SHUTIN NO BLOWBACK



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2098.85	100.60	Initial Hydro-static
1	554.31	100.56	Open To Flow (1)
9	1443.13	102.90	Shut-In(1)
61	1448.87	110.19	End Shut-In(1)
64	66.43	110.15	Open To Flow (2)
87	211.09	111.37	Shut-In(2)
145	1435.29	114.19	End Shut-In(2)
146	2025.24	114.40	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbt)
140.00	MUDDY WATER 40% MUD 60%W	2.05

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



**ROCK TYPES**

Cht	Dolprim	shale, grn	shale, red
Cht vari	Lmst fw<7	shale, gry	Ss
Chtcongl	Lmst fw7>	Carbon Sh	Sltst

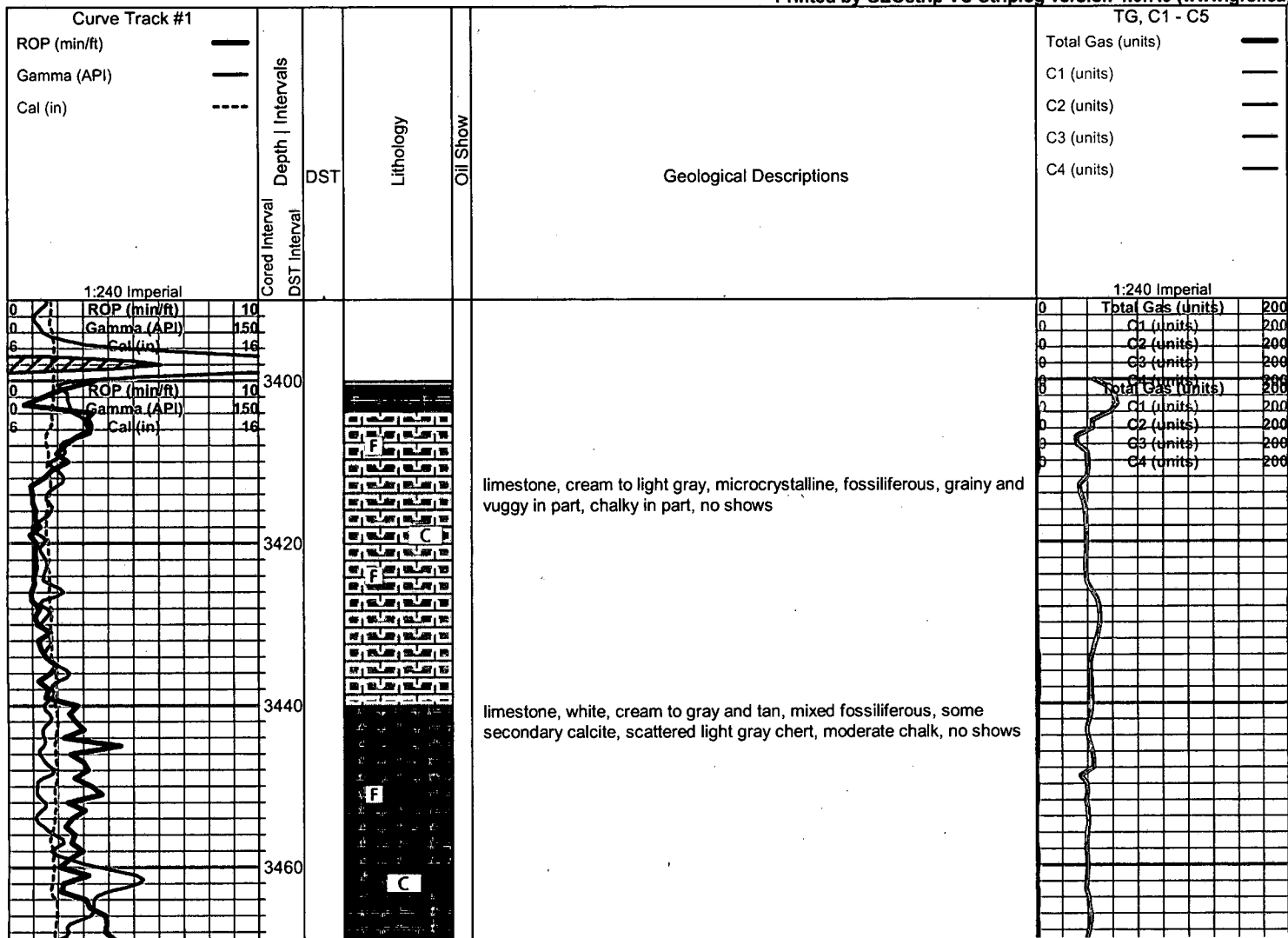
**ACCESSORIES**

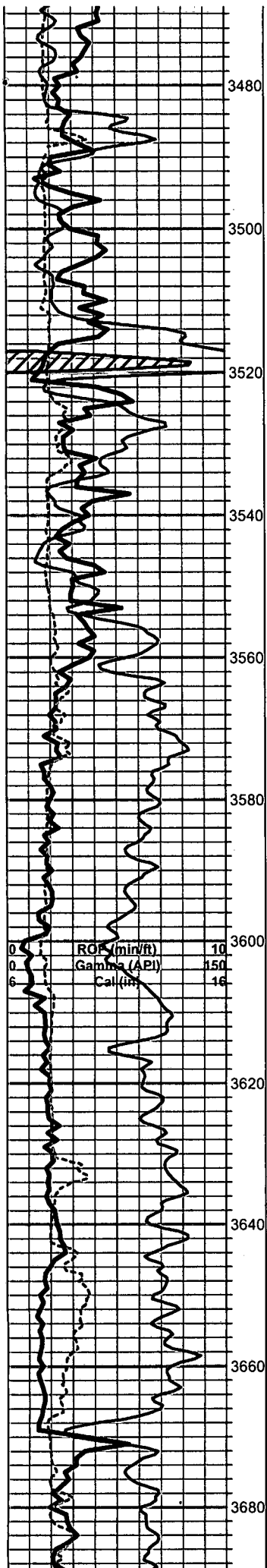
<b>MINERAL</b>	<b>FOSSIL</b>	<b>STRINGER</b>	<b>TEXTURE</b>
∟ Dolomitic	∩ Bioclastic or Fragmental	∩ Chert	C Chalky
P Pyrite	F Fossils < 20%	■ Limestone	
• Sandy	⊘ Oolite	□ Sandstone	
• Silty	⊘ Pellets	■ Siltstone	
△ Chert White	⊘ Oomoldic	■ green shale	
Mc Mica		■ red shale	
		■ carb shale	

**OTHER SYMBOLS**

<b>MISC</b>	<b>DST</b>
Daily Report	■ DST Int
Digital Photo	■ DST alt
Document	
Folder	
Link	
Vertical Log File	
Horizontal Log File	
Core Log File	
Drill Cuttings Rpt	

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca)





as above

limestone, white to cream, chalky fossiliferous with influx limestone, gray to dark gray, cryptocrystalline, dense, fossiliferous, some large clasts, no shows

**Heebner 3516 -1547**

shale, black carbonaceous

**Toronto 3538 -1569**

limestone, cream to white and light gray, microcrystalline, fossiliferous, chalky, grainy, some secondary calcite, some scattered porosity, no shows, abundant chalk

**Douglas 3559 -1590**

shale, green and red, samples wash red, some pyritic, some loose pyrite crystals

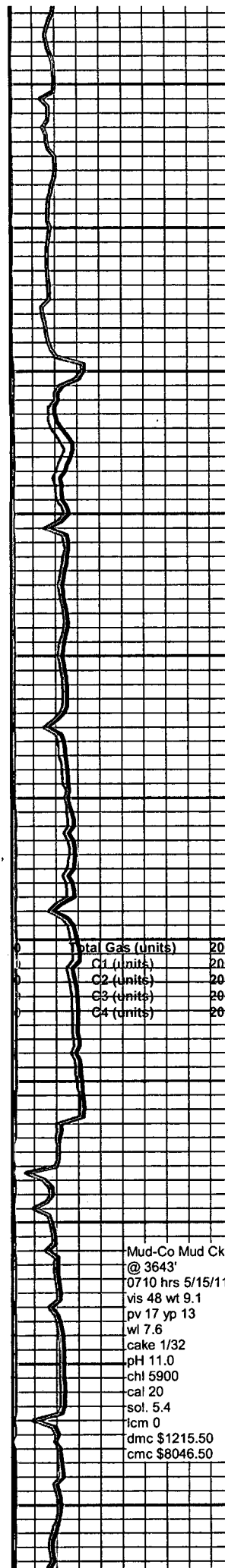
grading to gray to gray green, some green and red, mostly silty and micaceous, some scattered salt and pepper siltstone

sandstone, gray, very fined grain, rounded to sub angular, poorly sorted, well cemented, micaceous, no shows

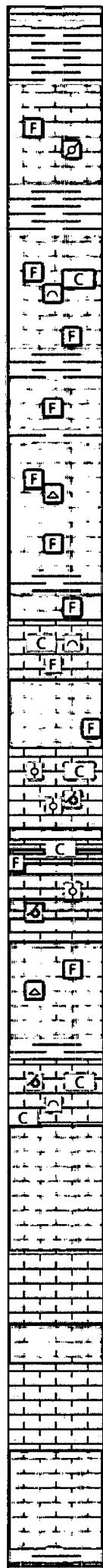
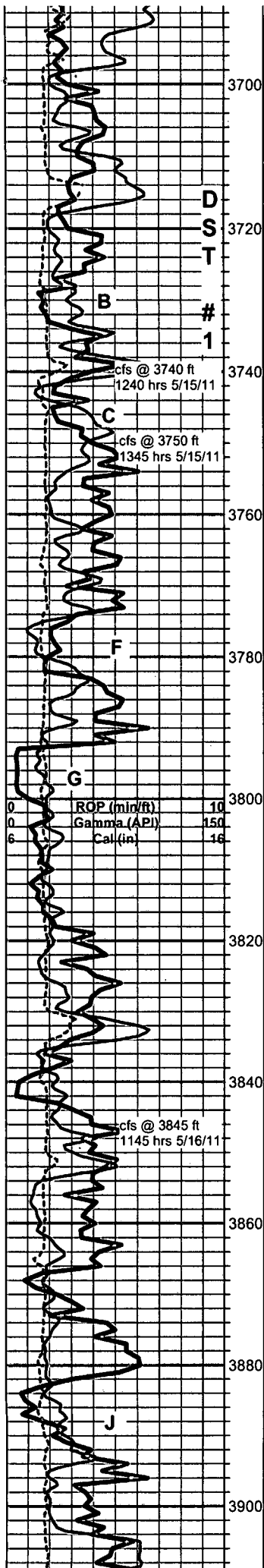
shale, soft gray, silty and micaceous in part, heavy gray wash

**Brown Lime 3669 -1700**

limestone, tan, cryptocrystalline, fossiliferous, very dense  
gray and red shale, slight reddish wash



Mud-Co Mud Ck  
@ 3643'  
0710 hrs 5/15/11  
vis 48 wt 9.1  
pv 17 yp 13  
wl 7.6  
cake 1/32  
pH 11.0  
chl 5900  
cal 20  
sol. 5.4  
lcm 0  
dmc \$1215.50  
cmc \$8046.50



**Lansing 3700 -1731**

limestone, gray mottled pelletal, dark gray to brown mottled fossiliferous and tan cryptocrystalline fossiliferous, large clasts, all very dense, no shows

DST #1.jpg

limestone, cream to light gray, cryptocrystalline, fossiliferous to bioclastic, some well developed solution vugs, secondary calcite crystals, dense matrix, light spotty staining in vugs, fair odor, fair show free oil, slow bleeding gas, light fluorescence, poor slow cut

limestone, cream to tan, microcrystalline, fossiliferous, dense to chalky, some scattered porosity, no noted shows, some rocks from above

limestone, mixed cream to gray, microcrystalline, fossiliferous, chalk to dense, with limestone, brown, dense, cherty cryptocrystalline, fossiliferous, no shows, some scattered cherts

limestone, cream to gray, mottled bioclastic to fossiliferous, chalky to weathered, poor visible porosity, no fluorescence, no shows

limestone, white to tan and gray, cryptocrystalline, fossiliferous to lithographic, mostly dense, some chalk and scattered chert, no shows

limestone, cream to tan, oomoldic to oolitic, chalky in part, fair porosity, no shows or odor, no fluorescence

limestone, cream to white, micro-cryptocrystalline, chalky, fossiliferous, some oolitic and oomoldic

limestone, cream to dark gray, cryptocrystalline, fossiliferous, dense, no shows, abundant chalk, some scattered cherts

**Lansing H Zone 3847 -1868**

limestone, cream to light gray, sub-oolitic to chalky-grainy bioclastic, some scattered fair porosity, trace dark tarry stain, trace oil droplets on break, trace sheen, no odor, no fluorescence, abundant chalk in samples

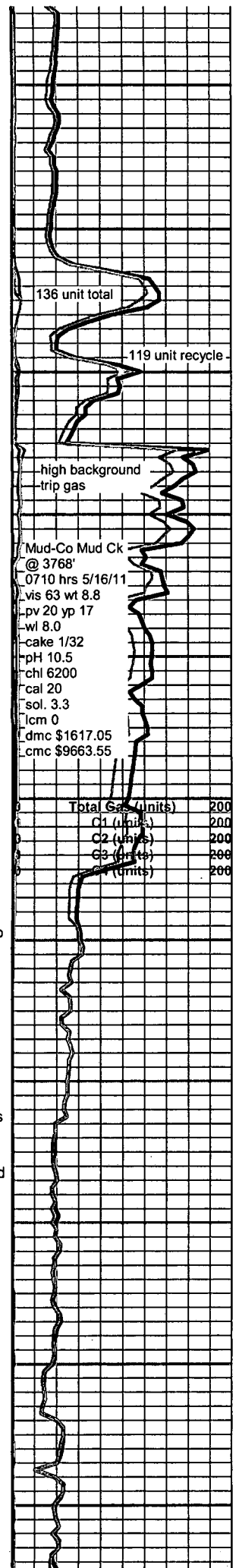
limestone, cream, microcrystalline, dense, fossiliferous, some chalk and scattered chert, no show

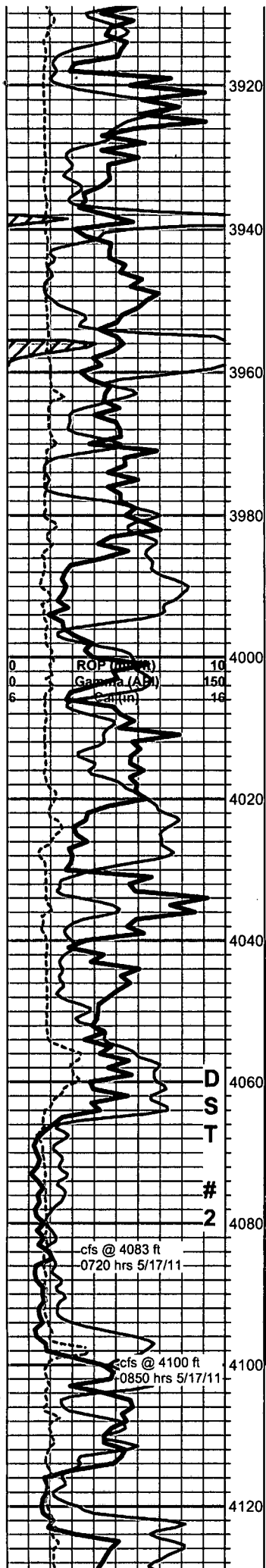
limestone, white, bioclastic and oolitic, chalky in part, some interclast solution porosity, dark brown interclast staining, tarry heavy free oil on break, no odor, slow fair cut

limestone, light gray, oomoldic to sub-oomoldic, some well developed mold porosity, trace questionable stain, no show free oil, no odor, no fluorescence

limestone, cream to gray, micro to cryptocrystalline, chalky in part, dense, fossiliferous, no shows

gray and black shale. some carboniferous





limestones, mixed non-descript fossiliferous, trace gray oolitic to oomoldic, moderate chalk in samples, no fluorescence or shows

as above

as above

**Base Kansas City 3956 -1987**

black carbonaceous shale

mixed shale with flood of sandstone to siltstone, pale green, very fine grained, rounded to well rounded, well sorted, fairly cemented, slightly calcareous, with: limestone, pale green to tan and gray, mostly dense, abundant chalk

shale, lavender and green, some maroon, red and gray, some mottled, some scattered orange chert, carrying some mixed limestones as above

4040 sample - mixed shaley conglomerate, flood red shales, samples wash red

**Marmaton 4029 -2060**

4050 sample - limestone, cherty limestone, dolomitic limestone and chert, pale green, arenaceous, some saturated light brown staining, with white to cream lithographic to arenaceous cherty limestone and chert, some staining, no fluorescence, odor or show oil

4080 sample, flood shale, samples wash red

**Mississippian 4065 -2096**

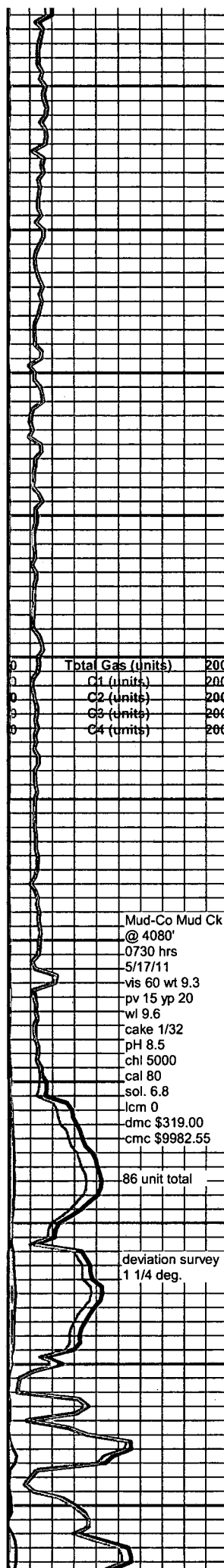
chert, white to pale green and tan, tripolitic to sub-tripolitic and fresh-sharp, appx 50-50, fair to good tripolitic porosity, some vugs, slight to saturated stain, few gas bubbles, few translucent light brown oil droplets, no odor, poor overall fluorescence, few tripolitic samples with bright white fluorescence and slow cut

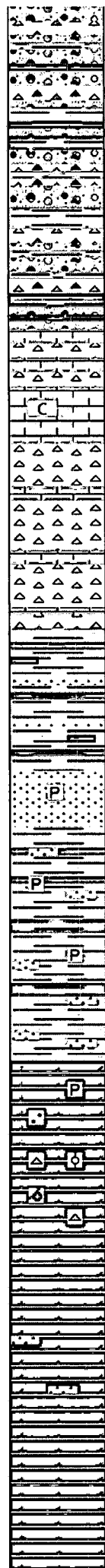
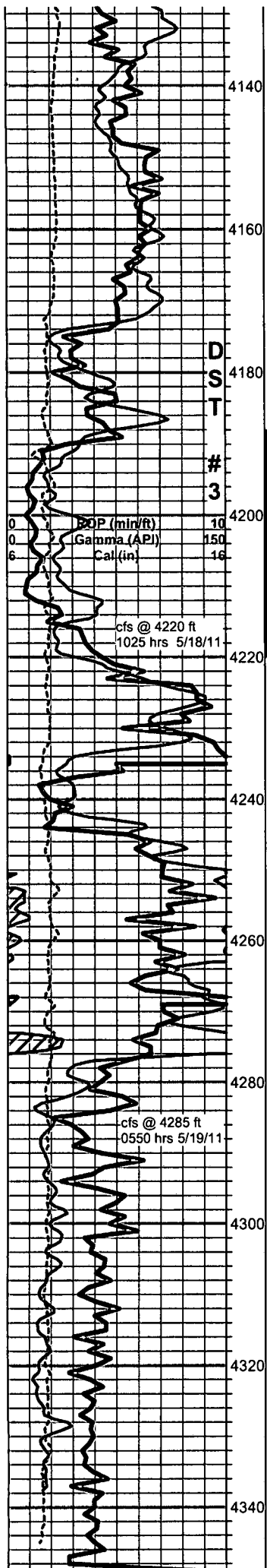
DST #2.jpg

as above, some dark black staining, some brown free oil droplets in tray

mixed shale and chert conglomerate, abundant fossiliferous cherts, some tripolitic cherts (from above?), some free oil droplets, in tray, no odor in samples, scattered fair fluorescence

chert, off-white translucent, slight orange-tan cast, boney white chert, mostly sharp, fresh, scattered tripolitic edges, slight staining, some oil droplets, some pale green chert, mostly tripolitic, fair stain, some slow bleeding gas and oil droplets, trace very fine grain sandstone, stained brown with green shale fill, well sorted and rounded, well cemented, no odor in samples, some free oil in tray, some fair green fluorescence, only 1 piece with cut fluorescence





mixed shale and chert conglomerate

as above

4170 sample as above, influx of bright green shales and limey dense-hard shale

4180 sample, as above, flood chalk, milky wash in samples

**Viola 4173 -2204**

limestone, white, very chalky, grainy, soft, with influx chert, white to off-white, very fossiliferous, dense, fresh, no show - abundant congl. shales and cherts from above

chert, mostly boney white, with some off white and blue/gray to blue/green, mostly sharp and fresh, some scattered tripolitic edges and faces with light brown to black staining, slight to fair show light free oil droplets in tray, some excellent fluorescence, with: limestone as above, fleeting odor in wet cup



**Simpson 4216 -2247**

shale, green to gray silty, green waxy, some green and maroon mottled, with sandstone streaks, light green, quartz, sub-round to angular, poorly sorted, well cemented (dol), poor visible porosity, no shows

sandstone, light gray to dark gray, quartz, fine grained, subangular to round, fair sorted, dolomitic well cemented, pyritic, poor visible porosity, no shows, no fluorescence

shales and sandstone stringers as above, abundant pyrite

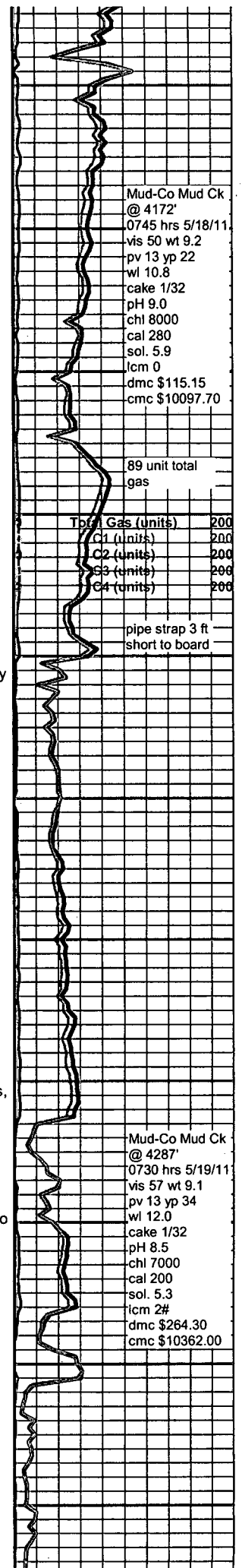
**Arbuckle 4277 -2308**

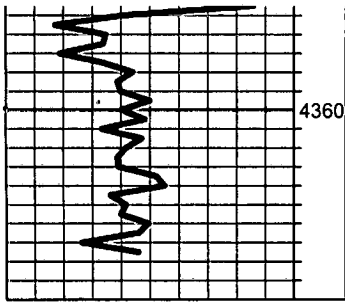
dolomite, cream to white, cryptocrystalline, dense, some scattered vugs, pyritic in part, sandy in part, few pieces microcrystalline, no stain, few pieces with show free oil on break, strong sulfur odor, bright yellow fluorescence

dolomite, cream to white and light gray, microcrystalline, some sub rhombic, some cryptocrystalline, trace oomoldic to oolitic, dense, few vugs, otherwise poor overall porosity, some cream/yellow fossiliferous to oolitic cherts, no shows

dolomite, light gray, microcrystalline, rhombic, some sub-rhombic, scattered intercrystalline porosity, some chalk infill, few clusters fine grain, rounded quartz sands, no shows or odor, even light green/yellow fluorescence

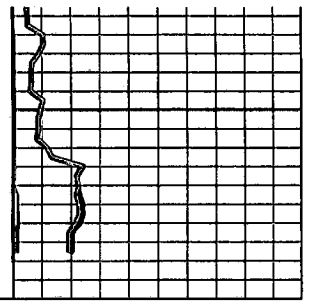
as above





dolomite as above, some pale green, with abundant boney white cherts

Rotary TD 4375 ft @ 1410 hrs 5/19/11  
Superior Well Services TD  
Complete Logging Operations





PAGE	CUST NO	INVOICE DATE
1 of 1	1001662	05/27/2011
<b>INVOICE NUMBER</b>		
<b>1718 - 90607293</b>		

Pratt (620) 672-1201  
 B GLOBE OPERATING  
 I PO Box: 12  
 L GREAT BEND  
 L KS US 67530  
 T  
 O ATTN:

J LEASE NAME Fox 2  
 O LOCATION  
 B COUNTY Stafford  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 T JOB CONTACT  
 E

JOB #	EQUIPMENT #	PURCHASE ORDER NO.		TERMS	DUE DATE
40324602	19842			Net - 30 days	06/26/2011
		QTY	U of M	UNIT PRICE	INVOICE AMOUNT
<i>For Service Dates: 05/20/2011 to 05/20/2011</i>					
0040324602					
171804057A Cement-New Well Casing/Pi 05/20/2011 5 1/2" Longstring					
A Serv Lite		80.00	EA	10.01	800.80
AA2 Cement		175.00	EA	13.09	2,290.75
Cello-flake(POLEFLAKE-C)		64.00	EA	2.85	182.34
De-foamer(Powder)		42.00	EA	3.08	129.36
Salt(Fine)		870.00	EA	0.39	334.95
Cement Friction Reducer		50.00	EA	4.62	231.00
Gas-Blok		124.00	EA	3.97	491.72
FLA-322		83.00	EA	5.78	479.33
Gilsonite		875.00	EA	0.52	451.41
Top Rubber Cement Plug 5 1/2"		1.00	EA	80.85	80.85
Guide Shoe-Regular 5 1/2" (Blue)		1.00	EA	192.50	192.50
Flapper Type Insert Float Valves, 5 1/2"		1.00	EA	165.55	165.55
Turbolizer, 5 1/2" (Blue)		8.00	EA	84.70	677.60
Heavy Equipment Mileage		40.00	MI	5.39	215.60
Proppant and Bulk Delivery Charge		236.00	MI	1.23	290.70
Blending & Mixing Service Charge		255.00	MI	1.08	274.80
Unit Mileage Charge-Pickups, Vans & Cars		20.00	HR	3.27	65.40
Casing Swivel Rental		1.00	EA	154.00	154.00
Plug Container Utilization Charge		1.00	EA	192.50	192.50
Depth Charge; 4001'-5000'		1.00	HR	1,940.40	1,940.40
Service Supervisor		1.00	HR	134.75	134.75
<b>PLEASE REMIT TO:</b>				<b>SEND OTHER CORRESPONDENCE TO:</b>	
BASIC ENERGY SERVICES, LP		BASIC ENERGY SERVICES, LP		<b>SUB TOTAL</b>	9,776.50
PO BOX 841903		PO BOX 10460		<b>TAX</b>	393.50
DALLAS, TX 75284-1903		MIDLAND, TX 79702		<b>INVOICE TOTAL</b>	10,170.00

QUALITY WELL SERVICE INC

190 TH US 56 HWY  
 ELLINWOOD, KS 67526

**Invoice**

Date	Invoice #
5/11/2011	174

<b>Bill To</b>
GLOBE OPERATING PO BOX 12 GREAT BEND KS 67530

*Handwritten signature/initials*

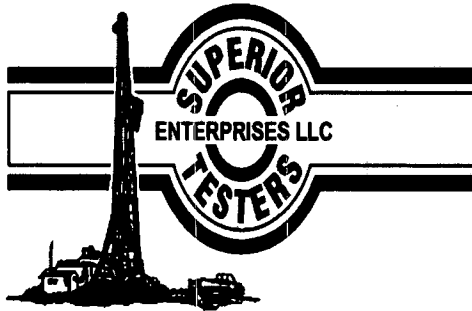
P.O. No.	Terms	Project

Quantity	Description	Rate	Amount
500	COMMON	12.50	6,250.00T
175	POZ	7.00	1,225.00T
29	GEL	20.00	580.00T
22	CALCIUM	45.00	990.00T
169	FLO-SEAL	2.00	338.00T
1	8 5/8 Ballfe	93.00	93.00T
1	8 5/8 Basket	280.00	280.00T
1	8 5/8 Rubber Plug	140.00	140.00T
726	HANDLING	2.10	1,524.60
10,000	.08 * SACKS * MILES	0.08	800.00
1	SFC 501-1500'	750.00	750.00
20	PUMP TRUCK MILEAGE	8.00	160.00
2,474	DISCOUNT	-1.00	-2,474.00T
809	DISCOUNT	-1.00	-809.00
	DISCOUNT EXPIRES AFTER 30 DAYS FROM THE DATE OF THE INVOICE	0.00	0.00
	Lease Fox#2		
	Sales Tax STAFFORD	7.30%	541.81
Thank you for your business.		<b>Total</b>	\$10,389.41

*Handwritten note: 8 3/4*

*Handwritten note: DUE 6-5-11*





## DRILL STEM TEST REPORT

Prepared For: **Globe Operating Inc.**

P.O.Box 12  
Great Bend ,Kansas 67530

ATTN: Keith

**13-25s-14w Stafford**

**Fox #2**

Start Date: 2011.05.15 @ 08:30:00

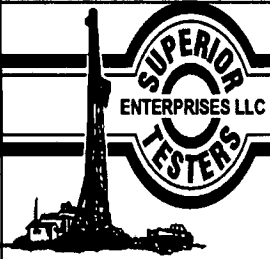
End Date: 2011.05.16 @ 00:00:00

Job Ticket #: 16488                      DST #: 1

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

Printed: 2011.05.24 @ 10:45:01

Globe Operating Inc.      Fox #2      13-25s-14w Stafford      DST # 1      Kansas City "B & C"      2011.05.15



# DRILL STEM TEST REPORT

Globe Operating Inc.  
 P.O.Box 12  
 Great Bend ,Kansas 67530  
 ATTN: Keith

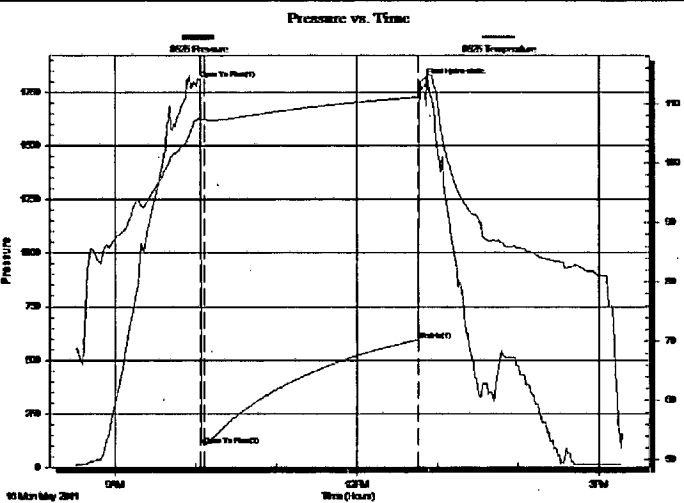
**Fox #2**  
**13-25s-14w Stafford**  
 Job Ticket: 16488      **DST#: 1**  
 Test Start: 2011.05.15 @ 08:30:00

## GENERAL INFORMATION:

Formation: **Kansas City "B & C"**  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 00:00:00  
 Time Test Ended: 00:00:00  
 Interval: **3710.00 ft (KB) To 3750.00 ft (KB) (TVD)**  
 Total Depth: **3750.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Gene Budig  
 Unit No: 3325-100  
 Reference Elevations: 1969.00 ft (KB)  
 1962.00 ft (CF)  
 KB to GR/CF: 7.00 ft

**Serial #: 8525      Outside**  
 Press@RunDepth:      psia @      3747.00 ft (KB)      Capacity:      5000.00 psia  
 Start Date:      2011.05.16      End Date:      2011.05.16      Last Calib.:      2011.05.16  
 Start Time:      08:31:00      End Time:      15:18:00      Time On Btm:  
 Time Off Btm:      2011.05.16 @ 12:47:00

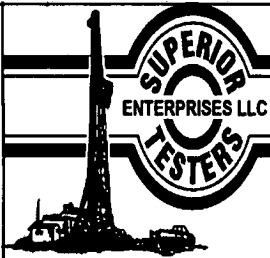
**TEST COMMENT:** 1st Opening 10 Minutes Strong blow built to the bottom of a 5 gallon bucket in 1 minute  
 1st Shut-In 45 Minutes-Good blow back w ith gas to surface in 40 minutes  
 2nd Opening 45 Minutes- gas Gauged from 2 MCF to 5 MCF  
 2n Shut-In 60 Minutes-Good blow back



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1815.78	107.73	Open To Flow (1)
3	105.76	107.37	Open To Flow (2)
163	594.50	111.14	Shut-In(1)
164	1795.97	111.40	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
70.00	0	0.98
0.00	40%Gas 15%Oil 30% Mud 15% Water	0.00
60.00	Muddy Frothy Oil	0.84
0.00	20%Gas 72% BS 3%Mud 5%Water	0.00
210.00	muddy gassy frothy oil	2.95
720.00	Water	10.10

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



# DRILL STEM TEST REPORT

Globe Operating Inc.  
 P.O.Box 12  
 Great Bend ,Kansas 67530  
 ATTN: Keith

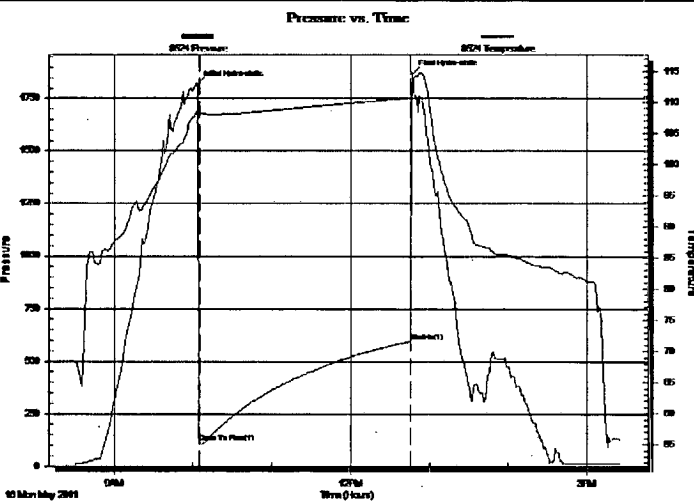
**Fox #2**  
**13-25s-14w Stafford**  
 Job Ticket: 16488      **DST#: 1**  
 Test Start: 2011.05.15 @ 08:30:00

## GENERAL INFORMATION:

Formation: **Kansas City "B & C"**  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 00:00:00  
 Time Test Ended: 00:00:00  
 Interval: **3710.00 ft (KB) To 3750.00 ft (KB) (TVD)**  
 Total Depth: **3750.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: Gene Budig  
 Unit No: 3325-100  
 Reference Elevations: 1969.00 ft (KB)  
 1962.00 ft (CF)  
 KB to GR/CF: 7.00 ft

**Serial #: 8524      Inside**  
 Press@RunDepth:      psia @      3746.00 ft (KB)      Capacity: 5000.00 psia  
 Start Date: 2011.05.16      End Date: 2011.05.16      Last Calib.: 2011.05.16  
 Start Time: 08:31:00      End Time: 15:25:30      Time On Btm: 2011.05.16 @ 10:03:30  
 Time Off Btm: 2011.05.16 @ 12:47:00

**TEST COMMENT:** 1st Opening 10 Minutes Strong blow built to the bottom of a 5 gallon bucket in 1 minute  
 1st Shut-In 45 Minutes-Good blow back with gas to surface in 40 minutes  
 2nd Opening 45 Minutes- gas Gauged from 2 MCF to 5 MCF  
 2n Shut-In 60 Minutes-Good blow back



## PRESSURE SUMMARY

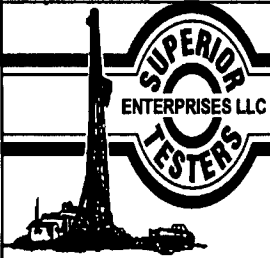
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	1818.42	108.47	Initial Hydro-static
2	112.33	108.13	Open To Flow (1)
163	595.78	110.69	Shut-In(1)
164	1868.81	111.06	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
70.00	0	0.98
0.00	40%Gas 15%Oil 30% Mud 15% Water	0.00
60.00	Muddy Frothy Oil	0.84
0.00	20%Gas 72% BS 3%Mud 5%Water	0.00
210.00	muddy gassy frothy oil	2.95
720.00	Water	10.10

## Gas Rates

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Globe Operating Inc.  
 P.O.Box 12  
 Great Bend ,Kansas 67530  
 ATTN: Keith

**Fox #2**  
**13-25s-14w Stafford**  
 Job Ticket: 16488      **DST#: 1**  
 Test Start: 2011.05.15 @ 08:30:00

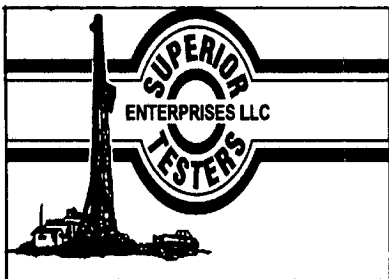
**Tool Information**

Drill Pipe:	Length: 3699.00 ft	Diameter: 3.80 inches	Volume: 51.89 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.86 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:	75000.00 lb
			<b>Total Volume: 51.89 bbl</b>	Tool Chased	0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	48000.00 lb
Depth to Top Packer:	3710.00 ft			Final	56000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	40.00 ft				
Tool Length:	69.00 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			3682.00	
Shut-In Tool	5.00			3687.00	
Hydroic Tool	5.00			3692.00	
Jars	6.00			3698.00	
Safety Joint	2.00			3700.00	
Packer	5.00			3705.00	29.00      Bottom Of Top Packer
Packer	5.00			3710.00	
Perforations	35.00			3745.00	
Recorder	1.00	8524	Inside	3746.00	
Recorder	1.00	8525	Outside	3747.00	
Bullnose	3.00			3750.00	40.00      Bottom Packers & Anchor

**Total Tool Length: 69.00**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

Globe Operating Inc.  
 P.O.Box 12  
 Great Bend ,Kansas 67530  
 ATTN: Keith

**Fox #2**  
**13-25s-14w Stafford**  
 Job Ticket: 16488      **DST#: 1**  
 Test Start: 2011.05.15 @ 08:30:00

### Mud and Cushion Information

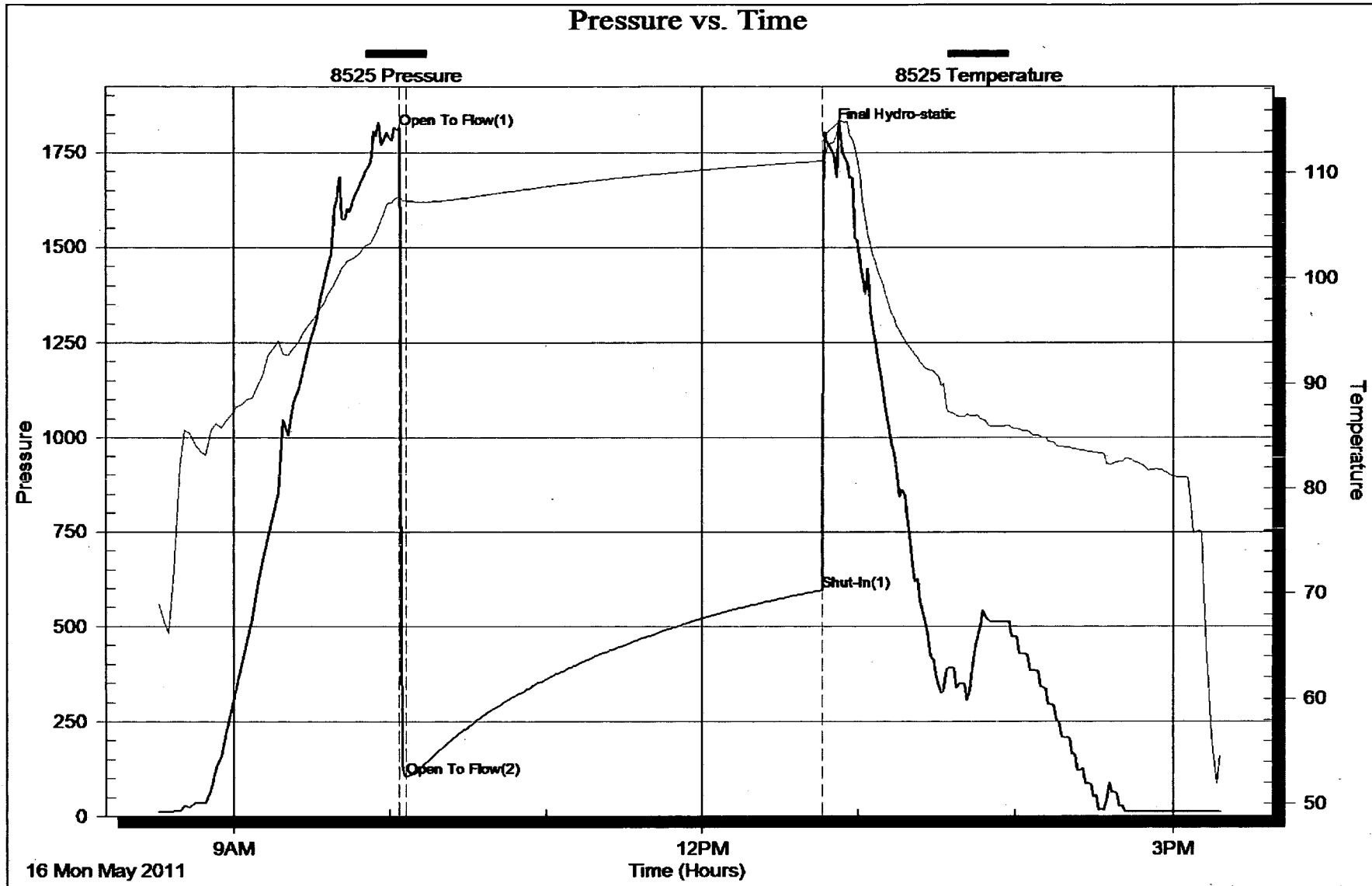
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.59 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 5900.00 ppm			
Filter Cake: 1.00 inches			

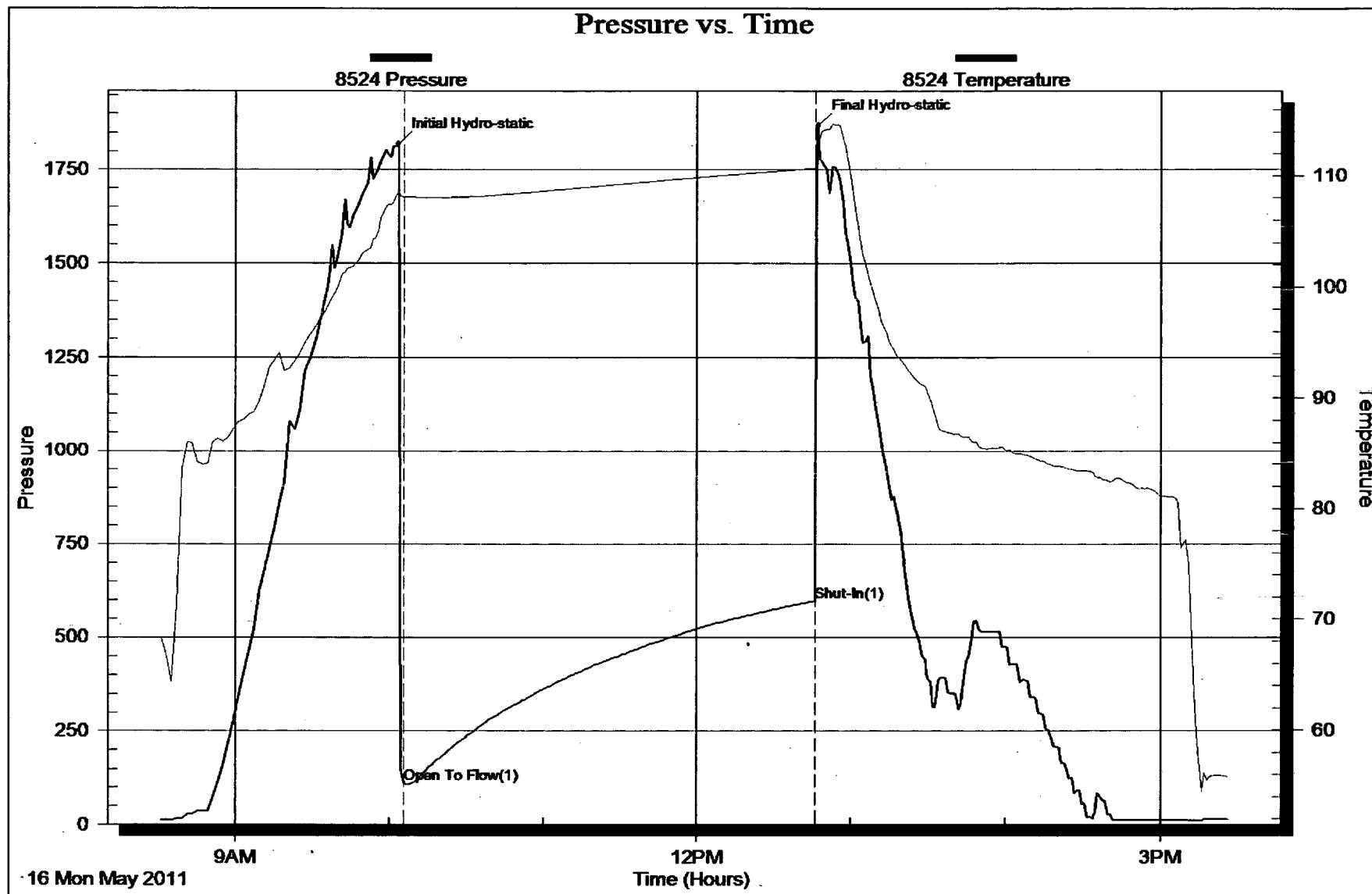
### Recovery Information

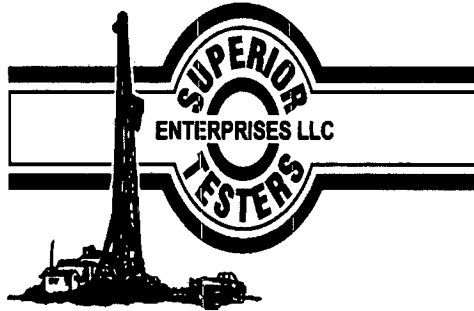
Recovery Table

Length ft	Description	Volume bbl
70.00	0	0.982
0.00	40%Gas 15%Oil 30% Mud 15% Water	0.000
60.00	Muddy Frothy Oil	0.842
0.00	20%Gas 72% BS 3%Mud 5%Water	0.000
210.00	muddy gassy frothy oil	2.946
720.00	Water	10.100
0.00	Chlorides 105,000	0.000
0.00	Resistivity .85 @ 58 Degrees	0.000

Total Length: 1060.00 ft      Total Volume: 14.870 bbl  
 Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
 Laboratory Name:      Laboratory Location:  
 Recovery Comments:







## DRILL STEM TEST REPORT

Prepared For: **Globe Operating Inc.**

P.O.Box 12  
Great Bend ,Kansas 67530

ATTN: Keith

**13-25s-14w Stafford**

**Fox #2**

Start Date: 2011.05.17 @ 22:00:00

End Date: 2011.05.18 @ 05:41:30

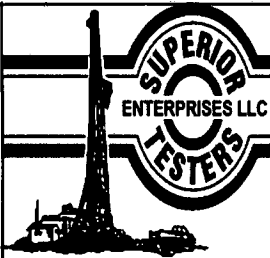
Job Ticket #: 15806                      DST #: 2

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

Printed: 2011.05.17 @ 22:44:35

Globe Operating Inc.      Fox #2      13-25s-14w Stafford      DST # 2      MISS      2011.05.17





# DRILL STEM TEST REPORT

Globe Operating Inc.  
 P.O.Box 12  
 Great Bend ,Kansas 67530  
 ATTN: Keith

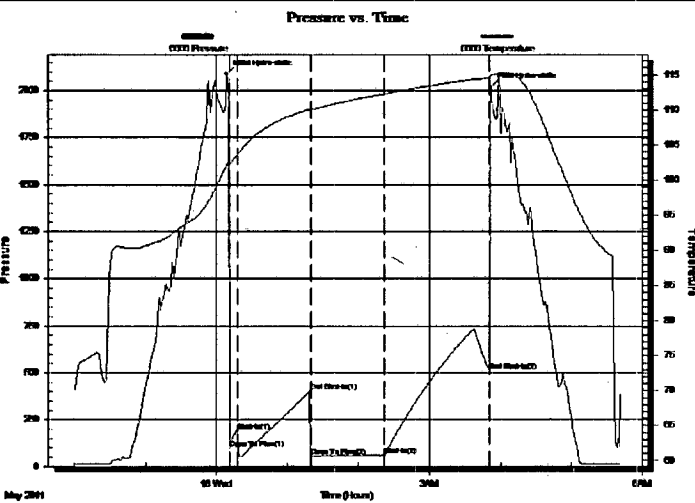
**Fox #2**  
**13-25s-14w Stafford**  
 Job Ticket: 15806      **DST#: 2**  
 Test Start: 2011.05.17 @ 22:00:00

## GENERAL INFORMATION:

Formation: **MISS**  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 00:11:00  
 Time Test Ended: 05:41:30  
 Interval: **4040.00 ft (KB) To 4100.00 ft (KB) (TVD)**  
 Total Depth: 4100.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches      Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: DAVID NICHOLS  
 Unit No: 3325  
 Reference Elevations: 1969.00 ft (KB)  
 1962.00 ft (CF)  
 KB to GR/CF: 7.00 ft

**Serial #: 6666      Inside**  
 Press@RunDepth: 58.87 psia @ 4094.00 ft (KB)      Capacity: 5000.00 psia  
 Start Date: 2011.05.17      End Date: 2011.05.18      Last Calib.: 2011.05.17  
 Start Time: 22:00:00      End Time: 05:41:30      Time On Btm: 2011.05.18 @ 00:08:30  
 Time Off Btm: 2011.05.18 @ 03:52:00

**TEST COMMENT:** 10-INITIAL OPENING WEAK BLOW FOR 7 MINS AT 1 INCH INTO WATER THEN GOOD BLOW BOTTOM BUCKET  
 60-INITIAL SHUT IN NO BLOW BACK  
 60-FINAL OPENING STRONG BLOW BOTTOM BUCKET IN 10 SEC THEN DIED OFF TO A WEAK BLOW  
 90-FINAL SHUT IN GOOD BLOW BACK



## PRESSURE SUMMARY

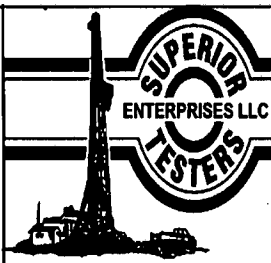
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2089.84	102.07	Initial Hydro-static
3	96.83	102.28	Open To Flow (1)
9	187.81	103.67	Shut-In(1)
71	404.17	110.09	End Shut-In(1)
72	53.62	110.01	Open To Flow (2)
134	58.87	112.26	Shut-In(2)
223	508.83	114.56	End Shut-In(2)
224	2022.90	114.98	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	MJD 100% MJD	0.22

## Gas Rates

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



# DRILL STEM TEST REPORT

Globe Operating Inc.  
 P.O.Box 12  
 Great Bend, Kansas 67530  
 ATTN: Keith

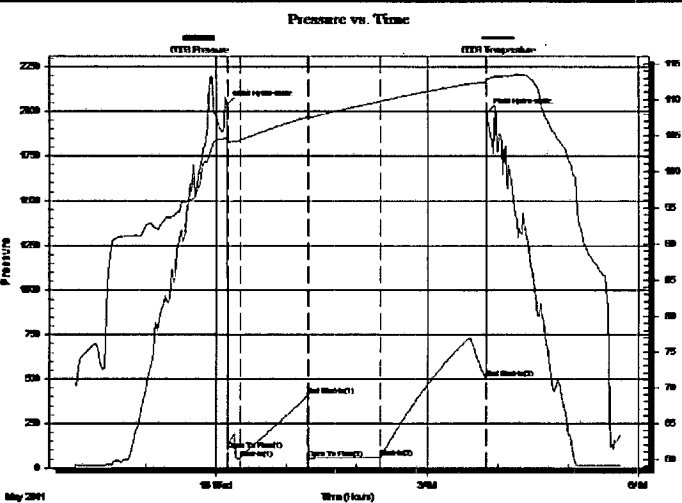
**Fox #2**  
**13-25s-14w Stafford**  
 Job Ticket: 15806      **DST#: 2**  
 Test Start: 2011.05.17 @ 22:00:00

## GENERAL INFORMATION:

Formation: **MISS**  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 00:11:00  
 Time Test Ended: 05:41:30  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: DAVID NICHOLS  
 Unit No: 3325  
 Interval: **4040.00 ft (KB) To 4100.00 ft (KB) (TVD)**  
 Total Depth: 4100.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches      Hole Condition: Fair  
 Reference Elevations: 1969.00 ft (KB)  
 1962.00 ft (CF)  
 KB to GR/CF: 7.00 ft

**Serial #: 6663      Outside**  
 Press@RunDepth: 507.83 psia @ 4095.00 ft (KB)      Capacity: 5000.00 psia  
 Start Date: 2011.05.17      End Date: 2011.05.18      Last Calib.: 2011.05.17  
 Start Time: 22:00:00      End Time: 05:46:00      Time On Btm: 2011.05.18 @ 00:09:00  
 Time Off Btm: 2011.05.18 @ 03:51:00

**TEST COMMENT:** 10-INITIAL OPENING WEAK BLOW FOR 7 MINS AT 1 INCH INTO WATER THEN GOOD BLOW BOTTOM BUCKET  
 60-INITIAL SHUT IN NO BLOW BACK  
 60-FINAL OPENING STRONG BLOW BOTTOM BUCKET IN 10 SEC THEN DIED OFF TO A WEAK BLOW  
 90-FINAL SHUT IN GOOD BLOW BACK



## PRESSURE SUMMARY

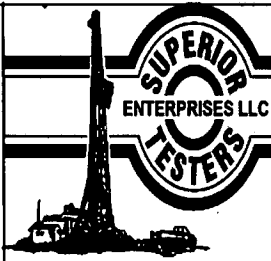
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2039.60	104.63	Initial Hydro-static
1	104.95	104.02	Open To Flow (1)
11	54.60	104.35	Shut-in(1)
69	406.57	107.56	End Shut-in(1)
70	55.31	107.45	Open To Flow (2)
132	57.94	109.75	Shut-in(2)
221	507.83	112.47	End Shut-in(2)
222	1996.92	112.91	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
15.00	MUD 100% MUD	0.22

## Gas Rates

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Globe Operating Inc.  
 P.O.Box 12  
 Great Bend ,Kansas 67530  
 ATTN: Keith

**Fox #2**  
**13-25s-14w Stafford**  
 Job Ticket: 15806      **DST#: 2**  
 Test Start: 2011.05.17 @ 22:00:00

**Tool Information**

Drill Pipe:	Length: 4014.00 ft	Diameter: 3.88 inches	Volume: 58.70 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: lb
		Total Volume: 58.70 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial 52000.00 lb
Depth to Top Packer:	4040.00 ft			Final 54000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	60.00 ft			
Tool Length:	89.00 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			4012.00	
Shut-In Tool	5.00			4017.00	
Hydroic Tool	5.00			4022.00	
Jars	6.00			4028.00	
Safety Joint	2.00			4030.00	
Packer	5.00			4035.00	29.00      Bottom Of Top Packer
Packer	5.00			4040.00	
Perforations	2.00			4042.00	
Change Over Sub	0.75			4042.75	
Drill Pipe	31.50			4074.25	
Change Over Sub	0.75			4075.00	
Perforations	18.00			4093.00	
Recorder	1.00	6666	Inside	4094.00	
Recorder	1.00	6663	Outside	4095.00	
Bullnose	5.00			4100.00	60.00      Bottom Packers & Anchor

**Total Tool Length: 89.00**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

Globe Operating Inc.  
P.O.Box 12  
Great Bend ,Kansas 67530  
ATTN: Keith

**Fox #2**  
**13-25s-14w Stafford**  
Job Ticket: 15806      **DST#: 2**  
Test Start: 2011.05.17 @ 22:00:00

### Mud and Cushion Information

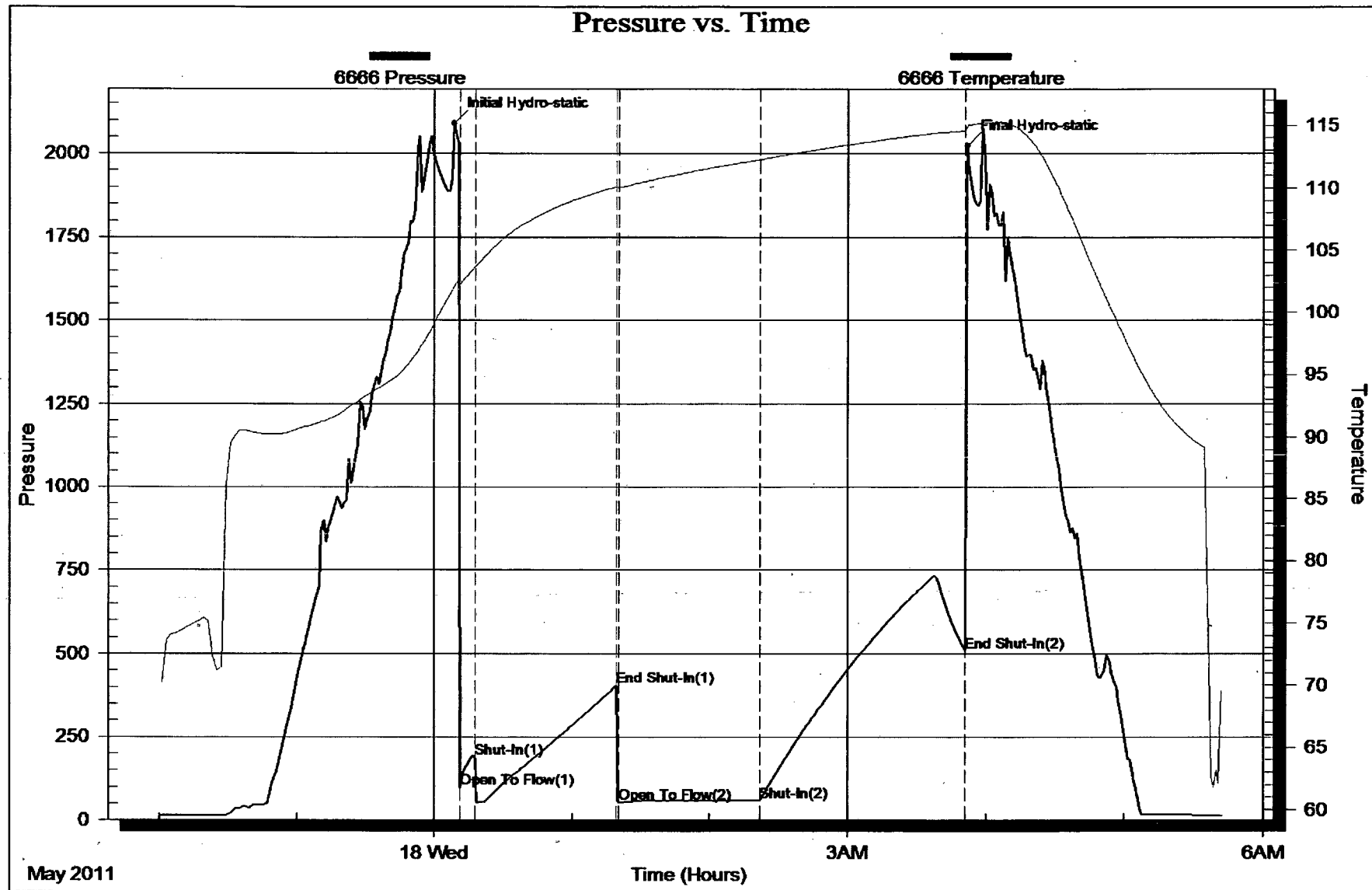
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.60 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 5000.00 ppm			
Filter Cake: inches			

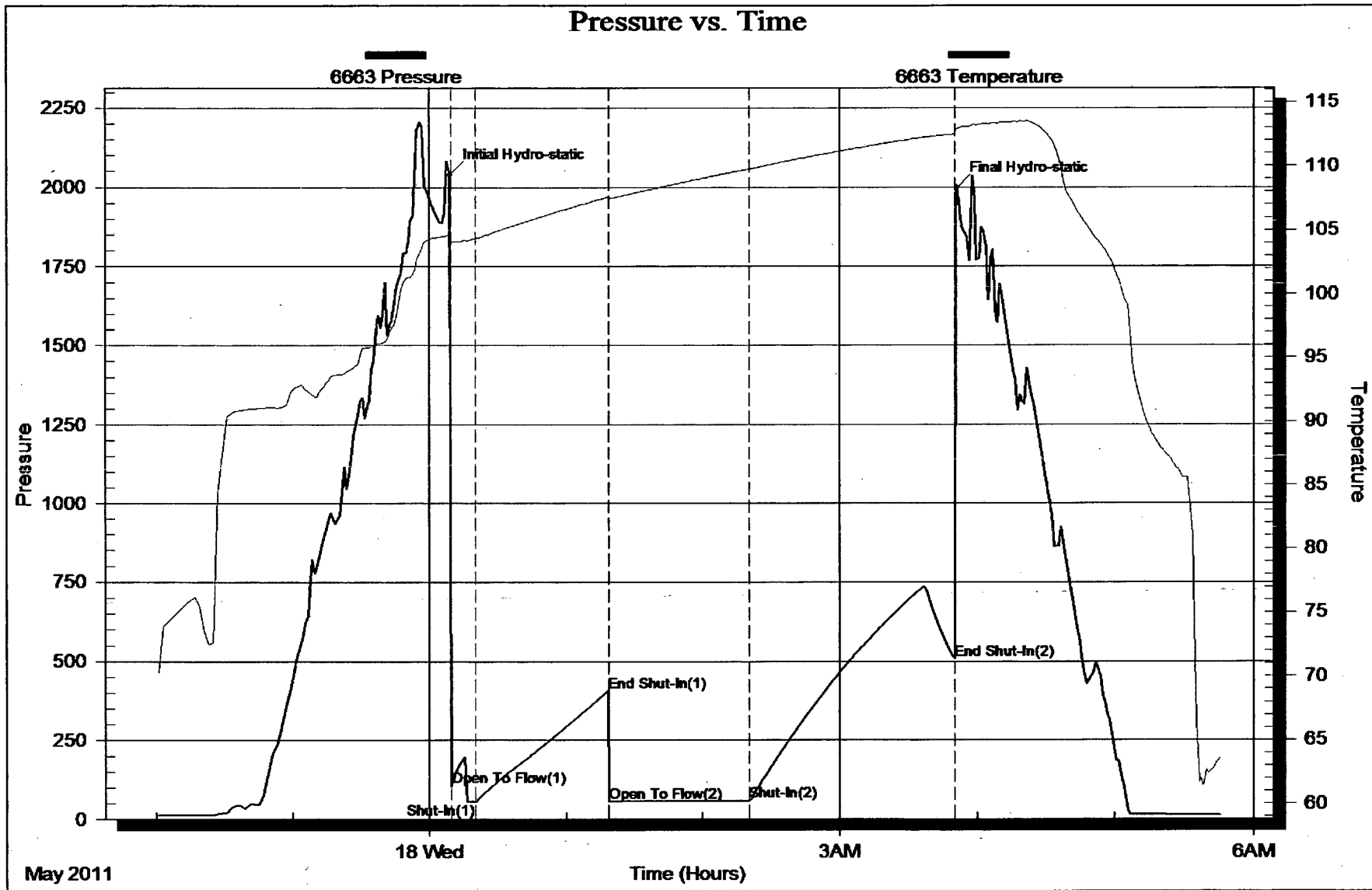
### Recovery Information

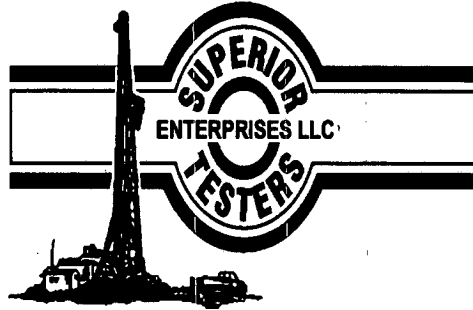
Recovery Table

Length ft	Description	Volume bbl
15.00	MUD 100% MJD	0.219

Total Length: 15.00 ft      Total Volume: 0.219 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:







## DRILL STEM TEST REPORT

Prepared For: **Globe Operating Inc.**

P.O.Box 12  
Great Bend ,Kansas 67530

ATTN: Keith

**13-25s-14w Stafford**

**Fox #2**

Start Date: 2011.05.18 @ 19:00:00

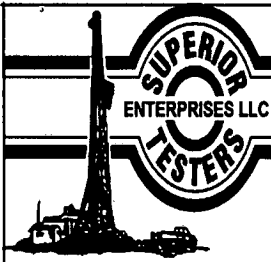
End Date: 2011.05.19 @ 01:04:00

Job Ticket #: 15807                      DST #: 3

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

Printed: 2011.05.18 @ 19:51:57

Globe Operating Inc.      Fox #2      13-25s-14w Stafford      DST # 3      VIOLA      2011.05.18



# DRILL STEM TEST REPORT

Globe Operating Inc.  
 P.O.Box 12  
 Great Bend ,Kansas 67530  
 ATTN: Keith

**Fox #2**  
**13-25s-14w Stafford**  
 Job Ticket: 15807      **DST#: 3**  
 Test Start: 2011.05.18 @ 19:00:00

## GENERAL INFORMATION:

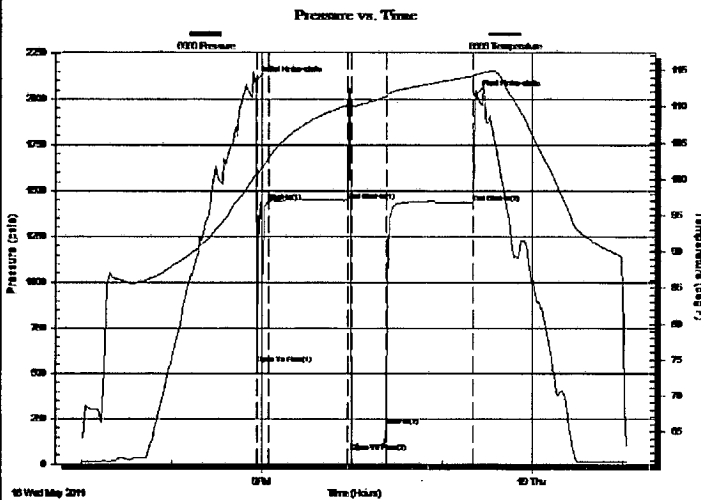
Formation: **VIOLA**  
 Deviated: No      Whipstock:      ft (KB)  
 Time Tool Opened: 20:56:30  
 Time Test Ended: 01:04:00  
 Interval: **4188.00 ft (KB) To 4220.00 ft (KB) (TVD)**  
 Total Depth: 4220.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches      Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: DAVID NICHOLS  
 Unit No: 3325  
 Reference Elevations: 1969.00 ft (KB)  
 1962.00 ft (CF)  
 KB to GR/CF: 7.00 ft

## Serial #: 6666

Inside

Press@RunDepth: 211.09 psia @ 4216.00 ft (KB)      Capacity: 5000.00 psia  
 Start Date: 2011.05.18      End Date: 2011.05.19      Last Calib.: 2011.05.18  
 Start Time: 19:00:00      End Time: 01:04:00      Time On Btm: 2011.05.18 @ 20:56:00  
 Time Off Btm: 2011.05.18 @ 23:22:00

**TEST COMMENT:** 10-INITIAL OPENING VERY WEAK BLOW DIED AFTER 5 MIN  
 45-INITIAL SHUTIN NO BLOWBACK  
 30-FINAL OPEANING NO BLOW FOR 7 MIN FLUSHED TOOL WEAK BLOW BUILT TO 1 IN INTO WATER  
 60-FINAL SHUTIN NO BLOWBACK



## PRESSURE SUMMARY

Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2098.85	100.60	Initial Hydro-static
1	554.31	100.56	Open To Flow (1)
9	1443.13	102.90	Shut-in(1)
61	1448.87	110.19	End Shut-in(1)
64	66.43	110.15	Open To Flow (2)
87	211.09	111.37	Shut-in(2)
145	1435.29	114.19	End Shut-in(2)
146	2025.24	114.40	Final Hydro-static

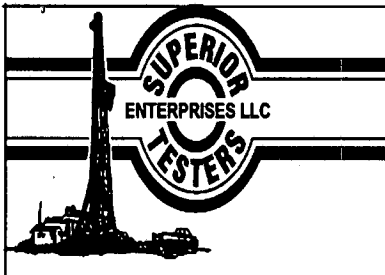
## Recovery

Length (ft)	Description	Volume (bbl)
140.00	MUDDY WATER 40% MUD 60%W	2.05

## Gas Rates

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





# DRILL STEM TEST REPORT

Globe Operating Inc.  
 P.O.Box 12  
 Great Bend ,Kansas 67530  
 ATTN: Keith

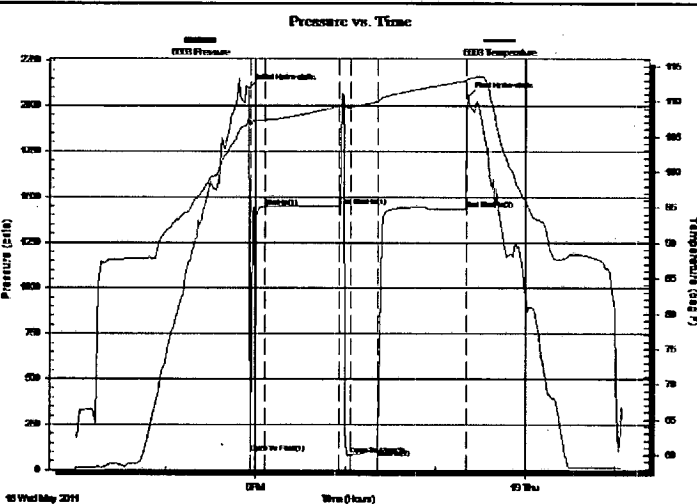
**Fox #2**  
**13-25s-14w Stafford**  
 Job Ticket: 15807      **DST#: 3**  
 Test Start: 2011.05.18 @ 19:00:00

## GENERAL INFORMATION:

Formation: **VIOLA**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 20:56:30  
 Time Test Ended: 01:04:00  
 Interval: **4188.00 ft (KB) To 4220.00 ft (KB) (TVD)**  
 Total Depth: 4220.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: DAVID NICHOLS  
 Unit No: 3325  
 Reference Elevations: 1969.00 ft (KB)  
 1962.00 ft (CF)  
 KB to GR/CF: 7.00 ft

**Serial #: 6663 Outside**  
 Press@RunDepth: 1436.53 psia @ 4217.00 ft (KB) Capacity: 5000.00 psia  
 Start Date: 2011.05.18 End Date: 2011.05.19 Last Calib.: 2011.05.18  
 Start Time: 19:00:00 End Time: 01:05:00 Time On Btm: 2011.05.18 @ 20:55:30  
 Time Off Btm: 2011.05.18 @ 23:21:30

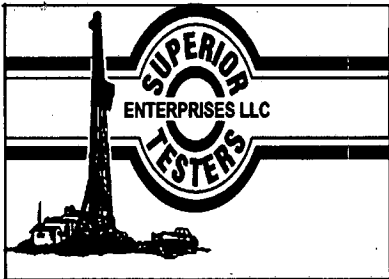
**TEST COMMENT:** 10-INITIAL OPENING VERY WEAK BLOW DIED AFTER 5 MIN  
 45-INITIAL SHUTIN NO BLOWBACK  
 30-FINAL OPEANING NO BLOW FOR 7 MIN FLUSHED TOOL WEAK BLOW BUILT TO 1 IN INTO WATER  
 60-FINAL SHUTIN NO BLOWBACK



PRESSURE SUMMARY			
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2096.81	107.37	Initial Hydro-static
1	97.77	106.50	Open To Flow (1)
11	1446.98	107.36	Shut-in(1)
61	1450.59	109.30	End Shut-in(1)
68	82.06	109.17	Open To Flow (2)
86	115.78	109.95	Shut-in(2)
145	1436.53	112.94	End Shut-in(2)
146	2053.93	113.16	Final Hydro-static

Recovery		
Length (ft)	Description	Volume (bbl)
140.00	MUDDY WATER 40% MUD 60%W	2.05

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



# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Globe Operating Inc.  
 P.O.Box 12  
 Great Bend ,Kansas 67530  
 ATTN: Keith

**Fox #2**  
**13-25s-14w Stafford**  
 Job Ticket: 15807      **DST#: 3**  
 Test Start: 2011.05.18 @ 19:00:00

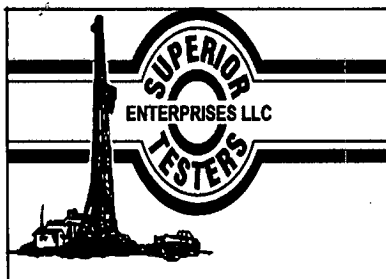
**Tool Information**

Drill Pipe:	Length: 4162.00 ft	Diameter: 3.88 inches	Volume: 60.87 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:	70000.00 lb
		Total Volume: 60.87 bbl		Tool Chased	0.00 ft
Drill Pipe Above KB:	3.00 ft			String Weight: Initial	52000.00 lb
Depth to Top Packer:	4188.00 ft			Final	53000.00 lb
Depth to Bottom Packer:	ft				
Interval betw een Packers:	32.00 ft				
Tool Length:	61.00 ft				
Number of Packers:	2	Diameter:	6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut-In Tool	5.00			4164.00	
Change Over Sub	1.00			4165.00	
Hydroic Tool	5.00			4170.00	
Jars	6.00			4176.00	
Safety Joint	2.00			4178.00	
Packer	5.00			4183.00	29.00      Bottom Of Top Packer
Packer	5.00			4188.00	
Perforations	27.00			4215.00	
Recorder	1.00	6666	Inside	4216.00	
Recorder	1.00	6663	Outside	4217.00	
Bullnose	3.00			4220.00	32.00      Bottom Packers & Anchor

**Total Tool Length: 61.00**



# DRILL STEM TEST REPORT

## FLUID SUMMARY

Globe Operating Inc.  
P.O.Box 12  
Great Bend ,Kansas 67530  
ATTN: Keith

**Fox #2**  
**13-25s-14w Stafford**  
Job Ticket: 15807      **DST#: 3**  
Test Start: 2011.05.18 @ 19:00:00

### 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: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 10.80 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psia		
Salinity: 8000.00 ppm			
Filter Cake: inches			

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
140.00	MUDDY WATER 40% MUD 60%W	2.047

Total Length: 140.00 ft      Total Volume: 2.047 bbl  
Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:  
Laboratory Name:      Laboratory Location:  
Recovery Comments:

