KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1124080

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 # 3180
Name: Deutsch, Kent A. dba Deutsch Oil Company
Address 1: 8100 E 22ND ST N
Address 2:
City: WICHITA State: KS Zip: 67226 + __ __ __ __
Contact Person: Kent Deutsch
Phone: (316) 681-3567
CONTRACTOR: License # 34233
Name: Maverick Drilling LLC
Wellsite Geologist: Kent Deutsch
Purchaser:

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [ ] Oil
- [ ] WSW
- [ ] SWD
- [ ] SIOW
- [ ] Gas
- [x] 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 #:

11/30/2012	12/07/2012	12/07/2012
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-083-21864-00-00
Spot Description:
N2 - SW - SW - NW Sec. 6 Twp. 24 S. R. 23 [ ] East [x] West
2100 Feet from [x] North / [ ] South Line of Section
330 Feet from [ ] East / [x] West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- [ ] NE
- [x] NW
- [ ] SE
- [ ] SW

County: Hodgeman
Lease Name: Schaffer Trust Well #: 2-6
Field Name:
Producing Formation: None
Elevation: Ground: 2466 Kelly Bushing: 2473
Total Depth: 4870 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 278 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] 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: 30000 ppm Fluid volume: 200 bbls
Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite:

Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. [ ] East [ ] West
County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- [ ] **Letter of Confidentiality Received**
  Date:
- [ ] **Confidential Release Date:**
- [x] **Wireline Log Received**
- [ ] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** Deanna Garrison **Date:** 03/19/2013

Side Two

1124080

Operator Name: Deutsch, Kent A. dba Deutsch Oil Company Lease Name: Schaffer Trust Well #: 2-6

Sec. 6 Twp. 24 S. R. 23 ☐ East ☑ West County: Hodgeman

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

Dual induction
Neutron/Density
Micro

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Heebner Sh	4038	-1565
Lansing	4095	-1622
Ft. Scott	4638	-2165
Cherokee sand	4764	-2291
Mississippi	4820	-2347

CASING RECORD ☑ New ☐ 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	12.25	8.625	20	278	Class A	175	3%cc, 2% gel

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:
☐ Perforate
☐ Protect Casing
☐ Plug Back TD
☐ Plug Off Zone

Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
-			
-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☐ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

DRILL STEM TEST REPORT

Deutsch Oil Co.

8100 E 22nd St N
Wichita, KS 67226

ATTN: Kent Deutsch

6-24N-23W Hodgeman Co.

Schaffer Trust #2-6

Job Ticket: 51260 **DST#: 2**

Test Start: 2012.12.06 @ 01:28:00

GENERAL INFORMATION:

Formation: **Cherokee Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 04:09:30
Time Test Ended: 09:30:30

Test Type: Conventional Bottom Hole (Reset)
Tester: Sam Esparza
Unit No: 64

Interval: 4746.00 ft (KB) To 4766.00 ft (KB) (TVD)
Total Depth: 4766.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

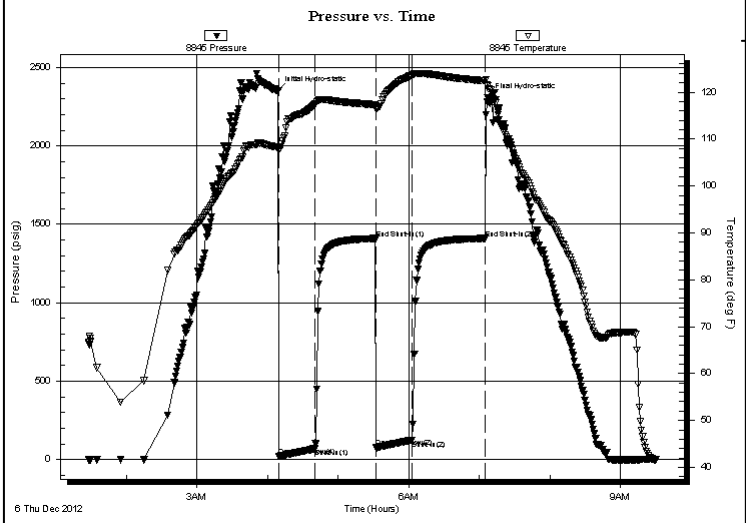
Reference Elevations: 2476.00 ft (KB)
2466.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8845 **Outside**

Press@RunDepth: 124.14 psig @ 4747.00 ft (KB)
Start Date: 2012.12.06 End Date: 2012.12.06
Start Time: 01:28:05 End Time: 09:30:29

Capacity: 8000.00 psig
Last Calib.: 2012.12.06
Time On Btm: 2012.12.06 @ 04:09:00
Time Off Btm: 2012.12.06 @ 07:07:00

TEST COMMENT: IF: 7" blow .
ISI: No return.
FF: 8 1/2" blow .
FSI: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2351.60	108.27	Initial Hydro-static
1	21.51	107.47	Open To Flow (1)
32	69.82	117.40	Shut-In(1)
83	1409.91	117.23	End Shut-In(1)
84	76.75	116.46	Open To Flow (2)
114	124.14	123.68	Shut-In(2)
176	1410.15	122.38	End Shut-In(2)
178	2306.40	121.34	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	MW 10m 90w	1.68
100.00	WM 30w 70m	1.40
10.00	Oil 100o	0.14

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Deutsch Oil Co.

8100 E 22nd St N
Wichita, KS 67226

ATTN: Kent Deutsch

6-24N-23W Hodgeman Co.

Schaffer Trust #2-6

Job Ticket: 51260 **DST#: 2**

Test Start: 2012.12.06 @ 01:28:00

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:	53.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	11.17 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5300.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	MW 10m 90w	1.683
100.00	WM 30w 70m	1.403
10.00	Oil 100o	0.140

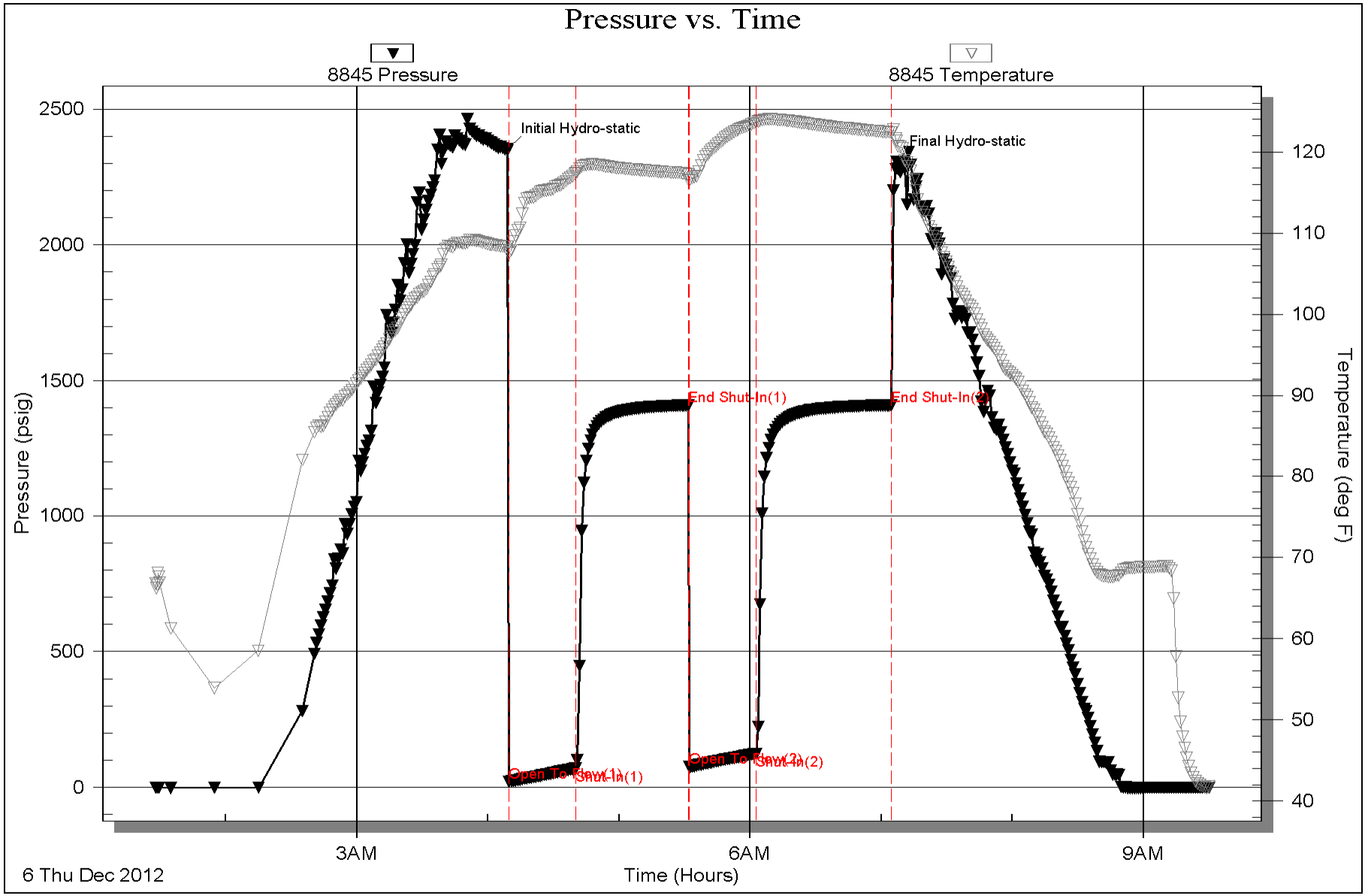
Total Length: 230.00 ft Total Volume: 3.226 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: RW: .260 @ 41 degrees= 46,000 ppm

Serial #: 8845 **Outside** Deutsch Oil Co. Schaffer Trust #2-6 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 51260 Printed: 2012.12.06 @ 10:45:33

DRILL STEM TEST REPORT

Deutsch Oil Co.

8100 E 22nd St N
Wichita, KS 67226

ATTN: Kent Deutsch

6-24N-23W Hodgeman Co.

Schaffer Trust #2-6

Job Ticket: 51259 **DST#: 1**

Test Start: 2012.12.05 @ 12:48:00

GENERAL INFORMATION:

Formation: **Cherokee Sand**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 15:27:15
Time Test Ended: 19:15:00

Test Type: Conventional Bottom Hole (Initial)
Tester: Sam Esparza
Unit No: 64

Interval: 4746.00 ft (KB) To 4762.00 ft (KB) (TVD)
Total Depth: 4762.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition:

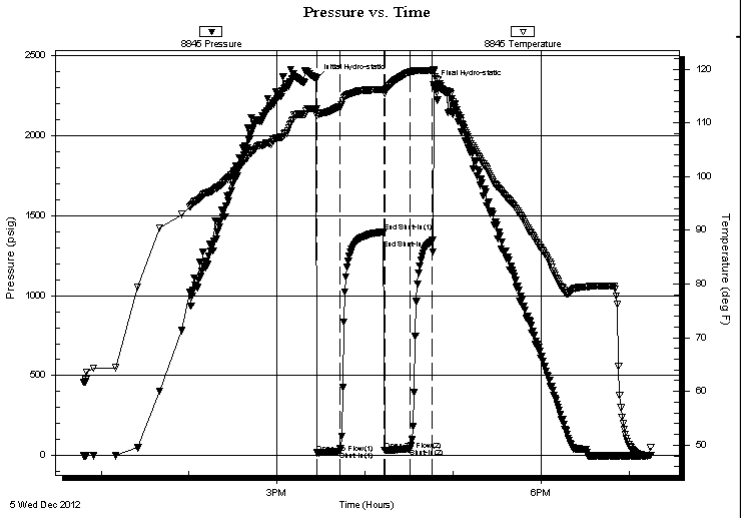
Reference Elevations: 2476.00 ft (KB)
2466.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8845 **Outside**

Press@RunDepth: 42.77 psig @ 4747.00 ft (KB)
Start Date: 2012.12.05 End Date: 2012.12.05
Start Time: 12:48:05 End Time: 19:14:59

Capacity: 8000.00 psig
Last Calib.: 2012.12.05
Time On Btm: 2012.12.05 @ 15:27:00
Time Off Btm: 2012.12.05 @ 16:46:45

TEST COMMENT: IF: No blow .
ISI: No return.
FF: No blow flushed tool @ 5 min. No blow
FSI: No return.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2360.64	112.56	Initial Hydro-static
1	16.88	111.36	Open To Flow (1)
16	27.72	113.00	Shut-In(1)
46	1399.58	116.20	End Shut-In(1)
47	30.90	115.53	Open To Flow (2)
64	42.77	119.49	Shut-In(2)
79	1347.05	119.72	End Shut-In(2)
80	2322.23	119.95	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
55.00	GOWCM 5g 3o 2w 90m	0.77
15.00	GO 5g 95o	0.21

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Deutsch Oil Co.

8100 E 22nd St N
Wichita, KS 67226

ATTN: Kent Deutsch

6-24N-23W Hodgeman Co.

Schaffer Trust #2-6

Job Ticket: 51259 **DST#: 1**

Test Start: 2012.12.05 @ 12:48:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	37 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	53.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	11.18 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5300.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
55.00	GOWCM 5g 3o 2w 90m	0.772
15.00	GO 5g 95o	0.210

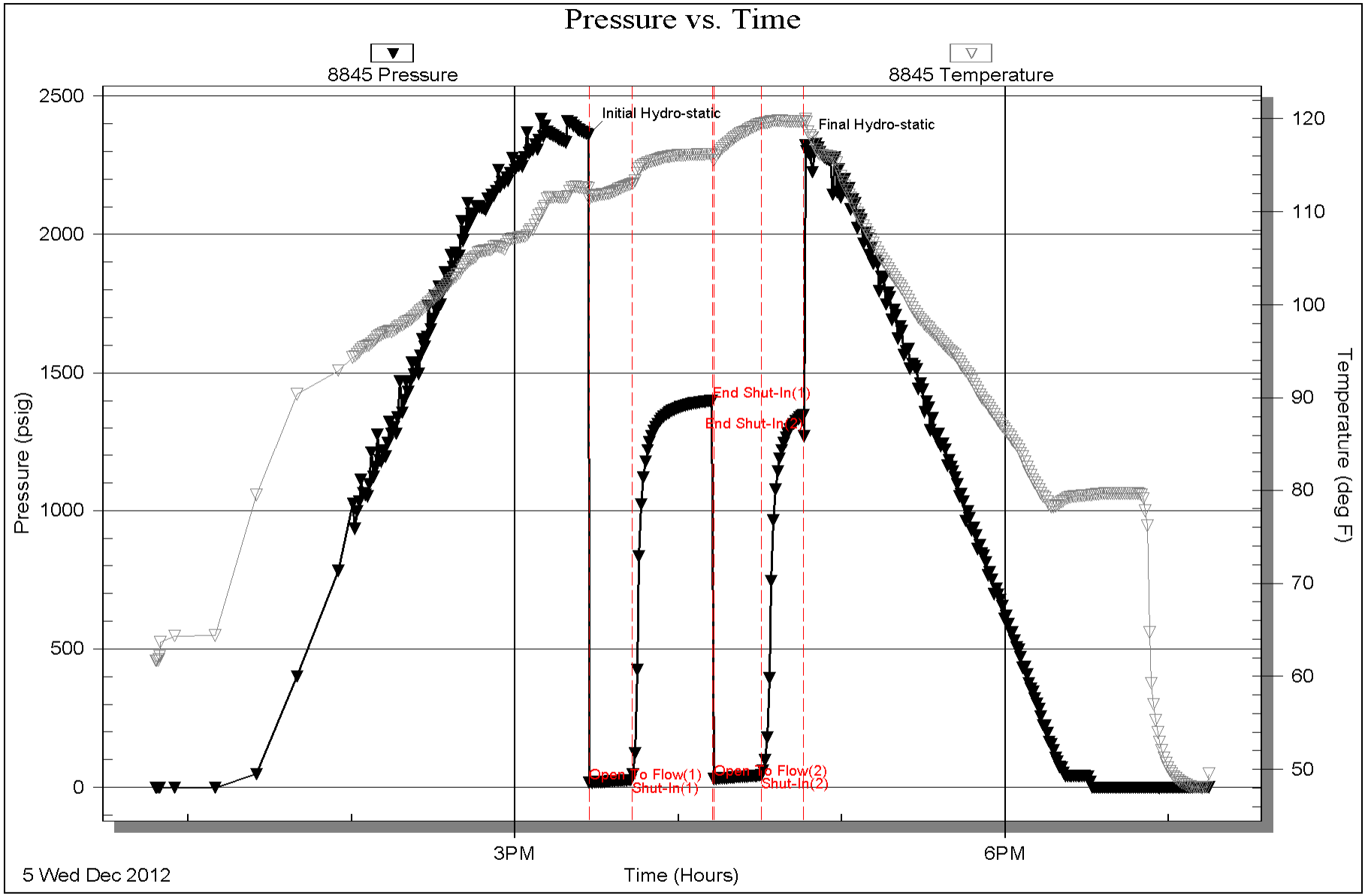
Total Length: 70.00 ft Total Volume: 0.982 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Oil API: 36 @ 50 degrees= 37 API

Serial #: 8845 **Outside** Deutsch Oil Co. Schaffer Trust #2-6 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 51259 Printed: 2012.12.06 @ 07:44:32

ALLIED OIL & GAS SERVICES, LLC 059161

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Great Bend Ks

DATE 11-30-12	SEC 6	TWP. 24	RANGE 23	CALLED OUT 4:30 PM	ON LOCATION 7:30 PM	JOB START 10:30 PM	JOB FINISH 11:00 PM
LEASE Scheffel	WELL # 2-6		LOCATION Jetmore 10 south Edy/side			COUNTY Hodgeman	STATE Ks
OLD OR (NEW) (Circle one)							

CONTRACTOR Maverick
TYPE OF JOB Surface
HOLE SIZE 12¼" T.D. 280'
CASING SIZE 8⅝ (20#) DEPTH 277'
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 15'
PERFS.
DISPLACEMENT 17 bbls

EQUIPMENT

PUMP TRUCK # 316 CEMENTER Tim Richard
HELPER Kevin Eddy 2
BULK TRUCK # 544 - 198 DRIVER Dan Cooper 2
BULK TRUCK # DRIVER

OWNER Same

CEMENT
AMOUNT ORDERED 175 sks class A 3%cc, 2% Gel.

COMMON	175	@ 17.90	3.132.50
POZMIX		@	
GEL	3	@ 23.40	70.20
CHLORIDE	6	@ 64.00	384.00
ASC		@	
HANDLING	188.79	@ 2.48	468.07
MILEAGE	8.62 x 36	2.60	806.83
		TOTAL	4.861.60

1.01 7.45

310.32

REMARKS:
Ran 277' of 8⅝" csg. Broke circulation, mixed 175 sks class A 3%cc 2% Gel. Displaced with fresh H20.
Cement did circulate.

SERVICE

DEPTH OF JOB	277'		
PUMP TRUCK CHARGE			1512.25
EXTRA FOOTAGE		@	
MILEAGE	Hum 36	@ 7.70	277.20
MANIFOLD		@	
	hum 36	@ 4.40	158.40
		@	
		TOTAL	1.947.85

CHARGE TO: Deutsch Oil
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
	TOTAL	

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)	267.20
TOTAL CHARGES	6.809.45
30% DISCOUNT	2.042.83
	IF PAID IN 30 DAYS
	4.766.62

PRINTED NAME X Cecil E. Farmer
SIGNATURE X Cecil E. Farmer

ALLIED OIL & GAS SERVICES, LLC 059139

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 93999
SOUTHLAKE, TEXAS 76092

SERVICE POINT: Great Bend

DATE 12-7-12	SEC. 6	TWP. 24S	RANGE 23W	CALLED OUT	ON LOCATION	JOB START 6:00 AM	JOB FINISH 7:00 AM
LEASE Schaffer Trust	WELL # 2-6	LOCATION Dermore, KS 6S E, 1mile				COUNTY Hodgeman	STATE KS
OLD OR NEW (Circle one)							

1.03 7.45 net

CONTRACTOR Maverick #106
TYPE OF JOB Rotary plug
HOLE SIZE 7 7/8 T.D.
CASING SIZE 4 1/2 DEPTH
TUBING SIZE DEPTH
DRILL PIPE 4 1/2 DEPTH 1645
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. All
PERFS.
DISPLACEMENT Fresh water

OWNER

CEMENT
AMOUNT ORDERED 250 sks 60/40 Class A
4% poz 4% gel 1/4# flo

EQUIPMENT

PUMP TRUCK # 396 CEMENTER Dustin Chambers 1
HELPER Josh Isaac 2
BULK TRUCK # 344-170 DRIVER Joel Mandsen 2
BULK TRUCK # DRIVER

COMMON	150	@ 17.90	2.685.00
POZMIX	100	@ 9.35	935.00
GEL	9	@ 23.40	210.60
CHLORIDE		@	
ASC		@	
flo seal	63	@ 2.97	187.11
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	269.2	@ 2.48	667.61
MILEAGE	11.23 x 36 x	2.60	1051.12
		TOTAL	5.736.00

44

REMARKS:

Fill Hole with Big Load
1. 1645 - 50 sks
2. 500 - 40 sks
3. 300 - 50 sks
4. 60 - 20 sks
5. RH - 30 sks
6. MH - 20 sks
Plug Down - 7:00 AM

40428

SERVICE

DEPTH OF JOB			
PUMP TRUCK CHARGE			2249.84
EXTRA FOOTAGE		@	
MILEAGE	Hum 34	@ 7.70	277.20
MANIFOLD		@	158.80
	Hum 36	@ 4.40	
		@	
		TOTAL	2.685.44

CHARGE TO: Deutsch O.U.
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
	TOTAL	

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) 627.88 43
TOTAL CHARGES 8.421.44 88
25% DISCOUNT 2.105.36 47
IF PAID IN 30 DAYS
6.316.08 41

PRINTED NAME X Cecil E. Farmer

SIGNATURE X Cecil E Farmer

Thankfou!!