



1145926

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

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

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: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
--	--	---

Form	ACO1 - Well Completion
Operator	Deutsch, Kent A. dba Deutsch Oil Company
Well Name	Anchor D 2-2
Doc ID	1145926

All Electric Logs Run

Dual induction
Comp. Neutron/Density
Micro
Sonic

Customer	DEUTSCH CIL	Lease No.		Date	4-29-2013				
Lease	ANCHOR D	Well #	2-2						
Field Order #	079416	Station	PRATT, Ks.	Casing	Depth	County	KIOWA	State	Ks.
Type Job	CNW - P.T.A.			Formation	Legal Description			2-30-116	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Acid	RATE	PRESS	ISIP	
			CMT -	280 SKS 60/40 PPG			5 Min.	
Depth	Depth	From	To	Pre Pad	Max		10 Min.	
Volume	Volume	From	To	Pad	Min		15 Min.	
Max Press	Max Press	From	To	Frac	Avg		Annulus Pressure	
Well Connection	Annulus Vol.	From	To		HHP Used		Total Load	
Plug Depth	Packer Depth	From	To	Flush	Gas Volume			

Customer Representative	K. DEUTSCH	Station Manager	D. SCOTT	Treater	R. LESLEY
-------------------------	------------	-----------------	----------	---------	-----------

Service Units	37586	19889	19843	19831	19862				
Driver Names	LESLEY	MARQUEZ	---	MEHLHORN	---				

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
1:00 AM					ON LOCATION - SAFETY MEETING
4:00 AM					*1ST PLUG @ 4958' w/50SKS.
4:18 AM	350		15	6	H ₂ O AHEAD
4:19 AM	300		12.73	6	MIX CMT @ 13.78 PPG
4:20 AM	200		4	6	H ₂ O BEHIND
4:30 AM	100		63	6	MUD DISPLACEMENT
8:00 AM					*2ND PLUG @ 840' w/50SKS.
8:05 AM	100		5	5	H ₂ O AHEAD
8:09 AM	50		12.73	5	MIX CMT @ 13.78 PPG
8:10 AM	0		7	5	H ₂ O BEHIND CMT.
					*3RD PLUG @ 360' w/50SKS.
8:30 AM	0		5	4	H ₂ O AHEAD
8:33 AM	0		12.73	4	MIX CMT @ 13.78 PPG
8:34 AM	0		5	4	H ₂ O BEHIND
					*4TH PLUG @ 60' w/20SKS.
9:30 AM	0		5	2	MIX 20SKS @ 13.78 PPG
					CMT TO SURFACE
9:45 AM			6.4	2	*PLUG R.H & M.H.
					JOB COMPLETE,
					THANKS -
					KEVEN LESLEY

CONCRETE ENTERPRISES INC.

No. 8075

Please Remit to:
 MAIN OFFICE
 P.O. Box 394
 Kingman, KS 67068

A Monarch Cement Company

Kingman: 620-532-3661
 Harper: 620-896-7321
 Med Lodge: 620-886-3630
 Pratt: 620-672-5421



CUSTOMER ID 413	P.O. NUMBER	JOB NUMBER DEUTSCH OIL CO.	TIME 7:59 AM	DATE 5/23/13	TICKET # 807570
SOLD TO COD Pratt, Ks 87124		DELIVER TO 2 N. Belvidere- E. into- White SUV Kiowa Co. ID#			Order Total: \$347.38

INSTRUCTIONS

QUANTITY THIS LOAD	QUANTITY ORDERED	QUANTITY DELIVERED	PRODUCT CODE	PRODUCT DESCRIPTION	UNIT OF MEASURE	UNIT PRICE	EXTENDED PRICE
2.50	2.50	2.50	RMC-8/3000R	3000psi Rock		\$93.50	\$233.75
30.00			DELM	Mileage charge		\$3.00	\$90.00

WATER REDUC	RETARDER	ACCEL	AIR ENTRAIN	USE OF CONCRETE	PLANT 1705	SLUMP 3.00	TRUCK TIME	\$323.75
ARRIVE JOB SITE	LEAVE JOB SITE	ARRIVE PLANT	TRUCK 152	DRIVER JD	8049		SUBTOTAL	\$23.63
							TAX	\$347.38
							TOTAL	

Purchaser: Note - Important Information

Est. Slump _____ Water Added _____ Est. Final Slump _____

This load of concrete is produced in accordance with American Concrete Institute standards, and the final compressive strength is guaranteed as delivered prior to the addition of water at the jobsite and only when tested in accordance to ACI and ASTM standards.

We DO NOT guarantee the finished cosmetic properties of this concrete - only its structural soundness.

In consideration of making delivery over the curb line onto private property, Purchaser assumes the risk of damages to sidewalks, driveways, buildings, grounds, equipment, etc. that may be inadvertently caused by our truck.

Purchaser agrees to reimburse Concrete Enterprises Inc. costs for having to tow a truck due to unstable jobsite conditions.

Any water added to this concrete at the jobsite could degrade the final strength and/or quality of the finished product. Jobsite water addition is at Purchaser's risk and Purchaser assumes full responsibility for any adverse effects.

CAUTION!
 Freshly mixed cement, mortar, grout, or concrete can cause skin irritation. Avoid direct contact where possible and wash affected areas promptly with water. If any contaminated material gets into the eyes, rinse immediately and repeatedly with water and get prompt medical attention.

Thank You

RECEIVED BY: _____
 My signature indicates agreement with the terms and conditions contained herein.



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Deutsch Oil Co.

2-30s-16w Kiowa

8100 E. 22nd St. N.
Wichita Ks. 67226

Anchor D #2-2

ATTN: Saman Sharifaie

Job Ticket: 50968

DST#: 1

Test Start: 2013.04.26 @ 01:13:49

GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:03:04

Time Test Ended: 08:55:34

Test Type: Conventional Bottom Hole (Initial)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 4541.00 ft (KB) To 4630.00 ft (KB) (TVD)

Reference Elevations: 1916.00 ft (KB)

Total Depth: 4630.00 ft (KB) (TVD)

1906.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 10.00 ft

Serial #: 8352 Inside

Press @ Run Depth: 35.02 psig @ 4542.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.04.26

End Date:

2013.04.26

Last Calib.:

2013.04.26

Start Time: 01:13:54

End Time:

08:55:33

Time On Btm:

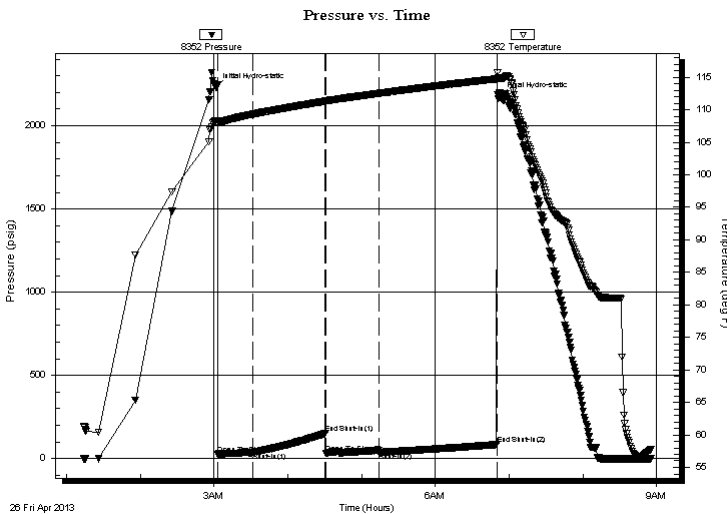
2013.04.26 @ 03:01:34

Time Off Btm:

2013.04.26 @ 06:52:49

TEST COMMENT: IF:Weak blow . 1/2 - 1".
IS:No blow .
FF:Weak blow . (surface) Dead in 12 mins.
FS:No blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2231.49	108.28	Initial Hydro-static
2	27.36	107.80	Open To Flow (1)
30	36.27	109.30	Shut-In(1)
89	151.32	111.32	End Shut-In(1)
90	35.02	111.29	Open To Flow (2)
133	35.02	112.54	Shut-In(2)
229	84.08	114.76	End Shut-In(2)
232	2175.75	114.84	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
40.00	Drig.mud	0.20

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Deutsch Oil Co.

2-30s-16w Kiowa

8100 E. 22nd St. N.
Wichita Ks. 67226

Anchor D #2-2

Job Ticket: 50968

DST#: 1

ATTN: Saman Sharifaie

Test Start: 2013.04.26 @ 01:13:49

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:

6000 ppm

Viscosity: 52.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 11.98 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 6000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	Drig.mud	0.197

Total Length: 40.00 ft Total Volume: 0.197 bbl

Num Fluid Samples: 0

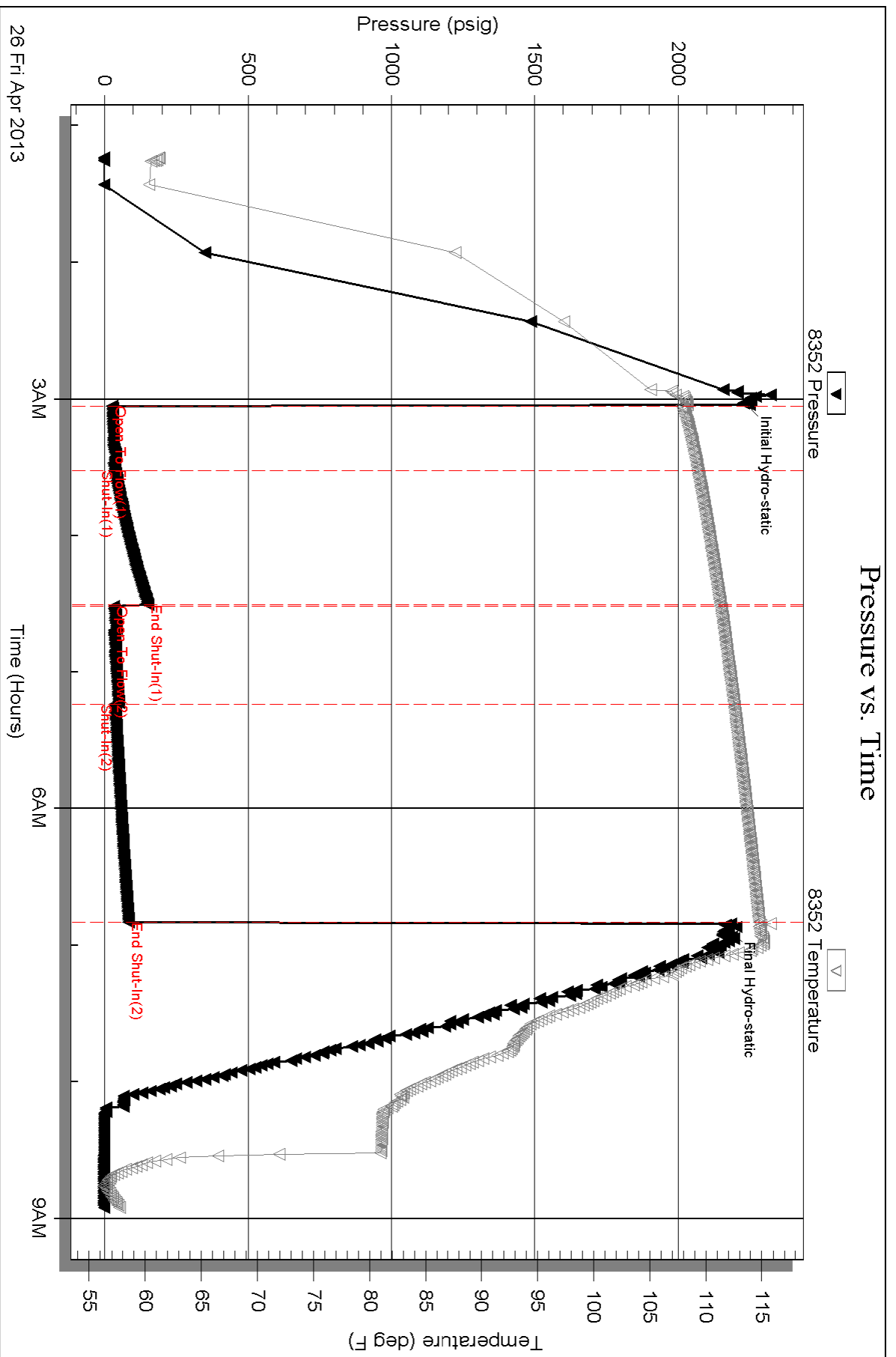
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Deutsch Oil Co.

2-30s-16w Kiowa

8100 E. 22nd St. N.
Wichita Ks. 67226

Anchor D #2-2

ATTN: Saman Sharifaie

Job Ticket: 50969

DST#: 2

Test Start: 2013.04.27 @ 00:52:51

GENERAL INFORMATION:

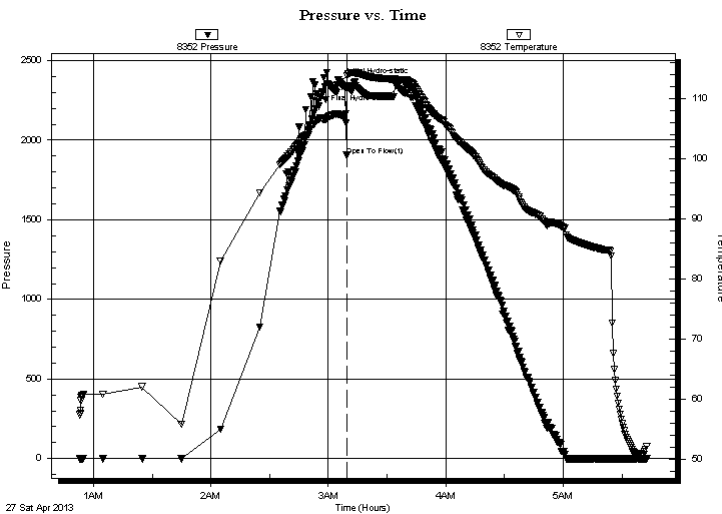
Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:09:21
 Time Test Ended: 05:42:51
 Interval: **4678.00 ft (KB) To 4730.00 ft (KB) (TVD)**
 Total Depth: 4730.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Gary Pevoteaux
 Unit No: 56
 Reference Elevations: 1916.00 ft (KB)
 1906.00 ft (CF)
 KB to GR/CF: 10.00 ft

Serial #: 8352

Inside

Press @ Run Depth: psig @ 4679.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.04.27 End Date: 2013.04.27 Last Calib.: 2013.04.27
 Start Time: 00:52:56 End Time: 05:42:50 Time On Btm: 2013.04.27 @ 03:05:51
 Time Off Btm: 2013.04.27 @ 03:35:36

TEST COMMENT: IF: Strong blow. Packers failing. Picked up and re-set tool adding more string w eight. Packers failed again. MISRUN



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2361.33	107.27	Initial Hydro-static
4	1904.94	111.69	Open To Flow (1)
30	2335.42	113.18	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
395.00	Drig.mud	4.45

Gas Rates

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

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Deutsch Oil Co.

2-30s-16w Kiowa

8100 E. 22nd St. N.
Wichita Ks. 67226

Anchor D #2-2

Job Ticket: 50969

DST#: 2

ATTN: Saman Sharifaie

Test Start: 2013.04.27 @ 00:52:51

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:

4600 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.79 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4600.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
395.00	Drilg.mud	4.448

Total Length: 395.00 ft Total Volume: 4.448 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

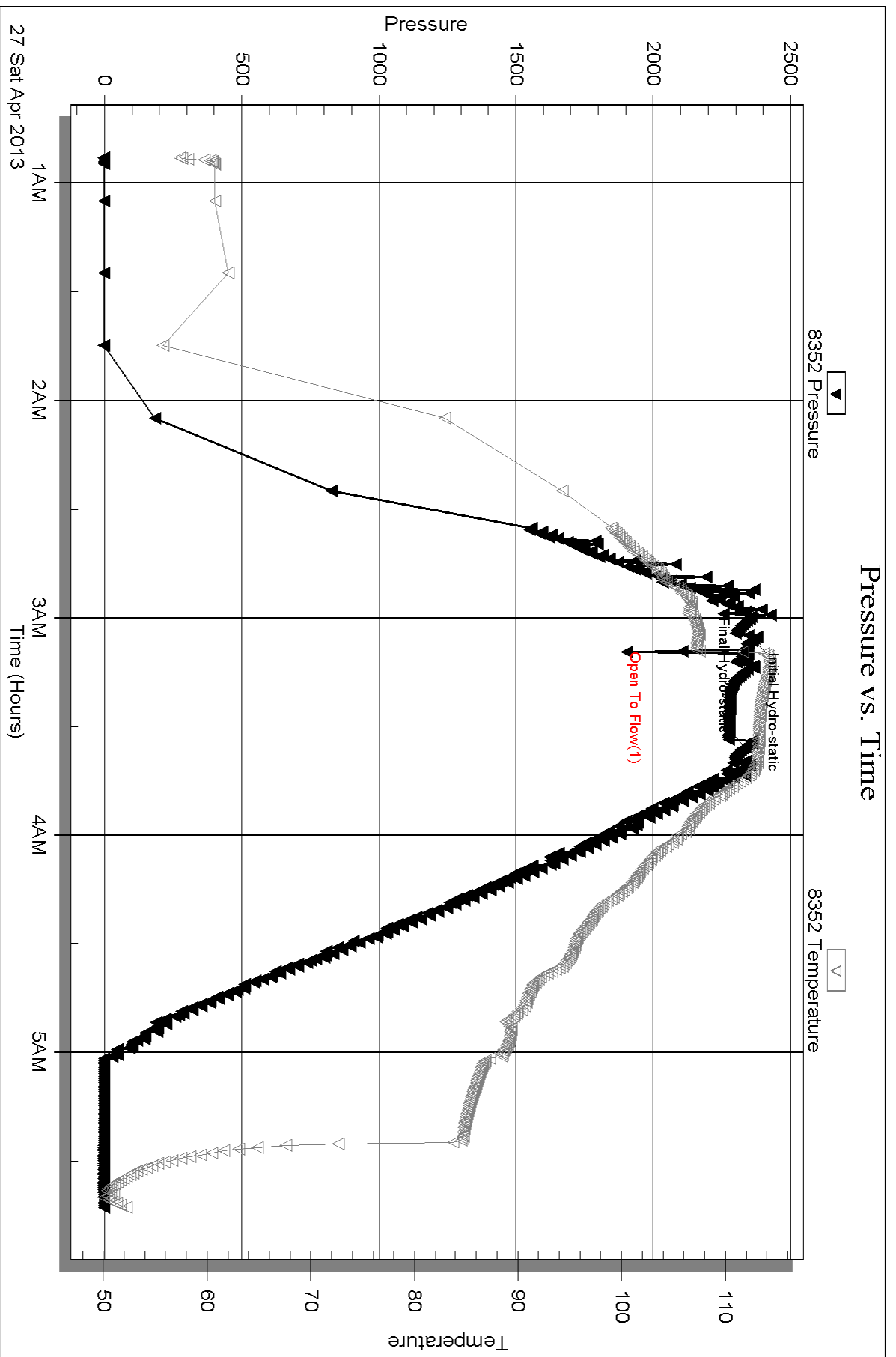
Serial #: 8352

Inside

Deutsch Oil Co.

Anchor D#2-2

DST Test Number: 2



Triobite Testing, Inc

Ref. No: 50969

Printed: 2013.04.28 @ 22:48:28



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Deutsch Oil Co.

2-30s-16w Kiowa

8100 E. 22nd St. N.
Wichita Ks. 67226

Anchor D #2-2

ATTN: Saman Sharifaie

Job Ticket: 50970

DST#: 3

Test Start: 2013.04.27 @ 05:56:33

GENERAL INFORMATION:

Formation: **Viola**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 07:57:03

Time Test Ended: 13:22:18

Test Type: Conventional Bottom Hole (Reset)

Tester: Gary Pevoteaux

Unit No: 56

Interval: 4651.00 ft (KB) To 4730.00 ft (KB) (TVD)

Reference Elevations: 1916.00 ft (KB)

Total Depth: 4730.00 ft (KB) (TVD)

1906.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 10.00 ft

Serial #: 8352

Inside

Press @ Run Depth: 54.21 psig @ 4652.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.04.27

End Date:

2013.04.27

Last Calib.:

2013.04.27

Start Time:

05:56:38

End Time:

13:22:17

Time On Btm:

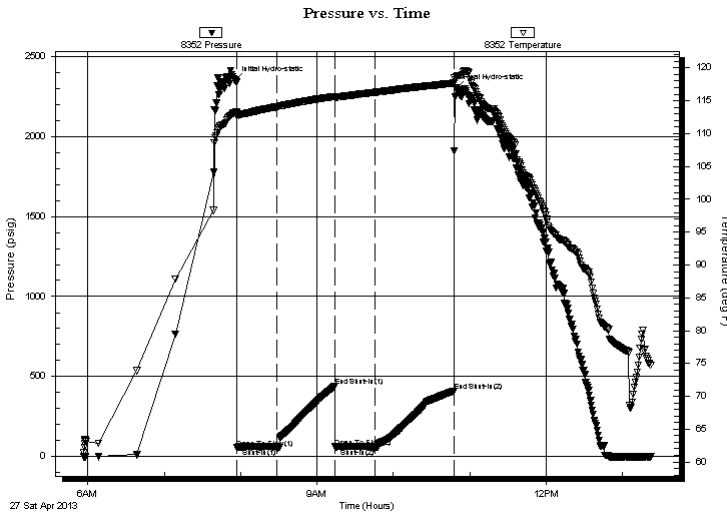
2013.04.27 @ 07:55:18

Time Off Btm:

2013.04.27 @ 10:49:03

TEST COMMENT: IF:Weak blow . ! 1/2" Decreasing to 1".
IS:No blow .
FF:Weak blow . 1/4" or less. Dead in 15 mins.
FS:No blow .

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2348.58	113.19	Initial Hydro-static
2	54.88	112.77	Open To Flow (1)
34	51.31	114.09	Shut-In(1)
79	439.34	115.65	End Shut-In(1)
79	60.78	115.46	Open To Flow (2)
110	54.21	116.27	Shut-In(2)
172	408.66	117.67	End Shut-In(2)
174	2301.27	118.61	Final Hydro-static

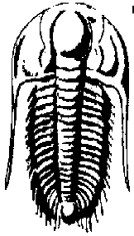
Recovery

Length (ft)	Description	Volume (bbl)
70.00	Drig.mud	0.34

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Deutsch Oil Co.

2-30s-16w Kiowa

8100 E. 22nd St. N.
Wichita Ks. 67226

Anchor D #2-2

Job Ticket: 50970

DST#: 3

ATTN: Saman Sharifaie

Test Start: 2013.04.27 @ 05:56:33

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:

4800 ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.39 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4800.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
70.00	Drig.mud	0.344

Total Length: 70.00 ft Total Volume: 0.344 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:

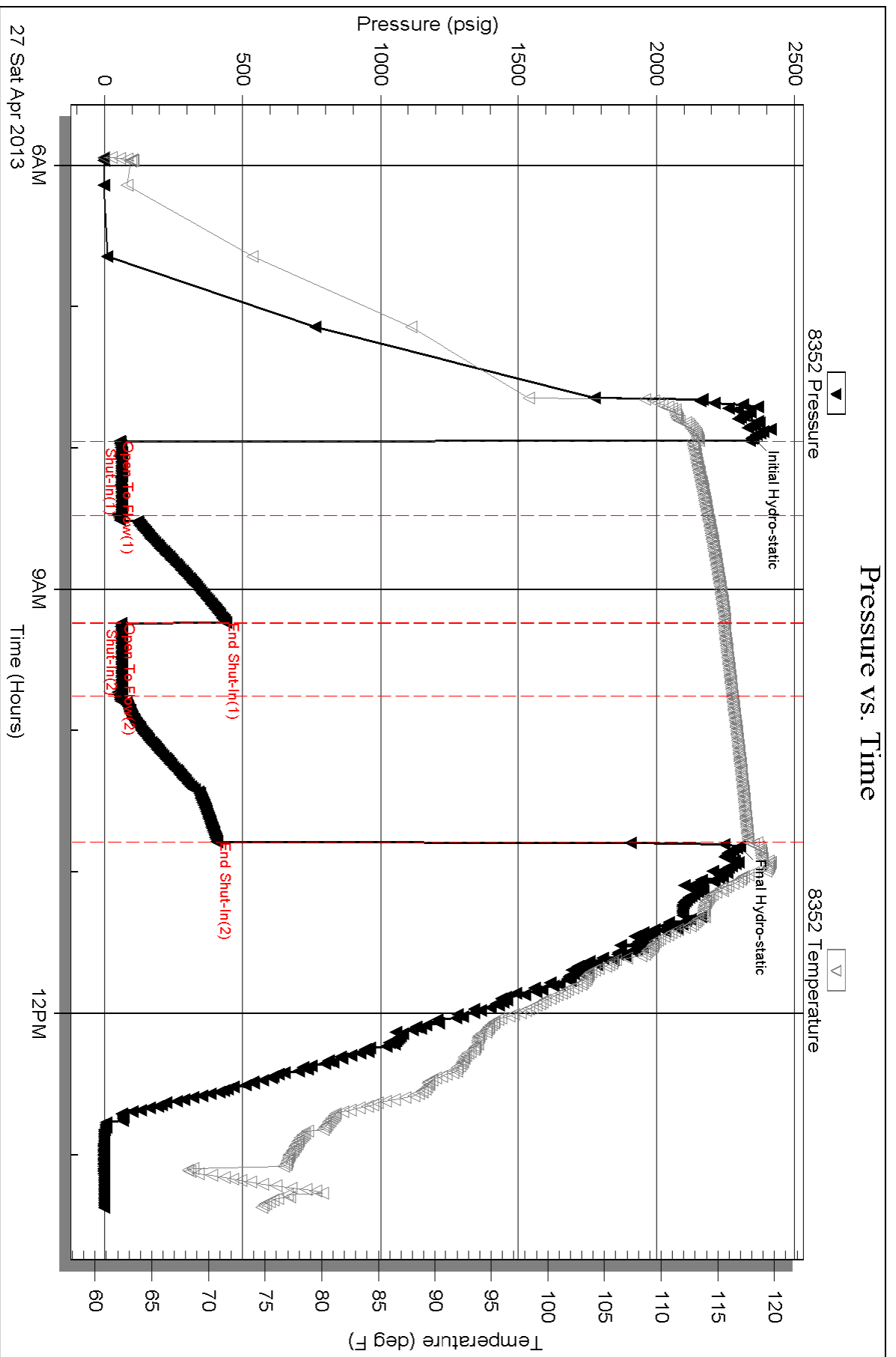
Serial #: 8352

Inside

Deutsch Oil Co.

Anchor D#2-2

DST Test Number: 3



Triobite Testing, Inc

Ref. No: 50970

Printed: 2013.04.28 @ 22:47:31

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Thomas E. Wright, Commissioner
Shari Feist Albrecht, Commissioner

Sam Brownback, Governor

June 06, 2013

Kent Deutsch
Deutsch, Kent A. dba Deutsch Oil Company
8100 E 22ND ST N
WICHITA, KS 67226

Re: ACO1
API 15-097-21752-00-00
Anchor D 2-2
NE/4 Sec.02-30S-16W
Kiowa County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Kent Deutsch