



KANSAS CORPORATION COMMISSION 1070664
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 # 4787
Name: TDI, Inc.
Address 1: 1310 BISON RD
Address 2: _____
City: HAYS State: KS Zip: 67601 + 9696
Contact Person: Tom Denning
Phone: (785) 628-2593
CONTRACTOR: License # 33350
Name: Southwind Drilling, Inc.
Wellsite Geologist: Herb Deines
Purchaser: Coffeyville Resources

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 #: _____
07/27/2011 08/03/2011 09/09/2011
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-051-26163-00-00
Spot Description: _____
SE NE SE SW Sec. 4 Twp. 15 S. R. 19 East West
780 Feet from North / South Line of Section
2550 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Ellis
Lease Name: Yarnell-Gross Unit Well #: 1
Field Name: Reichert
Producing Formation: Kansas City
Elevation: Ground: 2045 Kelly Bushing: 2055
Total Depth: 3763 Plug Back Total Depth: 3718
Amount of Surface Pipe Set and Cemented at: 422 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set: 1303 Feet
If Alternate II completion, cement circulated from: 1303
feet depth to: 0 w/ 155 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 42000 ppm Fluid volume: 900 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: 01/10/2012
 Confidential Release Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
ALT I II III Approved by: Deanna Gantso Date: 01/24/2012



1070664

Operator Name: TDI, Inc. Lease Name: Yarnell-Gross Unit Well #: 1
 Sec. 4 Twp. 15 S. R. 19 East West County: Ellis

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 type="checkbox"/> Yes <input checked="" 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: <small>Dual Induction Log Dual Compensated Porosity Log Microresistivity Log</small>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Anhydrite Top</td> <td>1304</td> <td>+751</td> </tr> <tr> <td>Topeka</td> <td>3046</td> <td>-991</td> </tr> <tr> <td>Heebner</td> <td>3318</td> <td>-1263</td> </tr> <tr> <td>Lansing/KC</td> <td>3364</td> <td>-1309</td> </tr> <tr> <td>Base/KC</td> <td>3604</td> <td>-1549</td> </tr> <tr> <td>Conglomerate Sand</td> <td>3676</td> <td>-1621</td> </tr> <tr> <td>Arbuckle</td> <td>3680</td> <td>-1625</td> </tr> </tbody> </table>	Name	Top	Datum	Anhydrite Top	1304	+751	Topeka	3046	-991	Heebner	3318	-1263	Lansing/KC	3364	-1309	Base/KC	3604	-1549	Conglomerate Sand	3676	-1621	Arbuckle	3680	-1625
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Conglomerate Sand	3676	-1621																							
Arbuckle	3680	-1625																							

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	12.25	8.625	20	422.36	Common	200	2%Gel, 3% CC
Production	7.85	5.5	14	3762	Common	150	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	0-1303	QMDC	155	DV Tool

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
4	3502'-04'	1650 gals 15% acid	
4	3516'-19'	250 gals 15% acid	

TUBING RECORD: Size: <u>2.875</u> Set At: <u>3699'</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>9/14/2011</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>15</u>	Gas Mcf <u>10</u>	Water Bbls. <u>38</u>
Gas-Oil Ratio		Gravity	

DISPOSITION OF GAS: <input checked="" 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>Kansas City</u>
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QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 5319

Date	8-3-11	Sec.	4	Twp.	15	Range	19	County	Ellis	State	KS	On Location		Finish	9:00A.M.	
Lease	Pencil Cross Unit			Well No.	1			Location	Antino 13 2 1/2 W Vinto							
Contractor	Southwind #1							Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Type Job	DV JOB							Hole Size	7/8	T.D.	3765					
Csg.	5 1/2 14#			Depth	3764			Charge To	TD I							
Tbg. Size								Depth								
Tool	DV Tool #58			Depth	1303			City	State							
Cement Left in Csg.	4343			Shoe Joint	43.43			The above was done to satisfaction and supervision of owner agent or contractor.								
Meas Line				Displace	91BC			Cement Amount Ordered	150 gal 10% Salt							

EQUIPMENT

Pumptrk	9	No.	Cementer	Craig	Helper		Common	500 gal mud/dear 10% KCL							
Bulktrk		No.	Driver	David	Driver		Poz. Mix								
Bulktrk	8	No.	Driver	CON	Driver		Gel.								

JOB SERVICES & REMARKS

Remarks:	Hulls														
Rat Hole	Salt 13														
Mouse Hole	Flowseal														
Centralizers	Kol-Seal														
Baskets	Mud CLR 48 500 gal														
D/V or Port Collar	CFL-117 or CD110 CAP 38														
5 1/2 set @ 3764. Insert 3720.5															
Est. Circulation Pump 500 gal. mud/dear															
+ 10% KCL - mix 150% cement.															
Clear lines - Displace 63 water															
27% KCL - mud 13% water to land															
Plug. Plug landed @ 1200# hole															
Release pressure 1/2															

FLOAT EQUIPMENT

Guide Shoe	5 1/2
Centralizer	8
Baskets	4
AFU Inserts	
Float Shoe	1
Latch Down	DV Tool
Pumptrk Charge	12
Mileage	12

Bottom
Stage

X Signature *Ann Weimer*

Tax	
Discount	
Total Charge	

QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 5320

Date	8-3-11	Sec.	4	Twp.	15	Range	19	County	Ellis	State	KS	On Location		Finish	10:30 AM	
Lease	Garrett Cross Unit			Well No.	1			Location	Antelope 15 2 1/2 W Unit 0							
Contractor	Southwind #1			TOP Stage			Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.								
Type Job	D/J Sh			Hole Size	7 7/8			T.D.	3765							
Csg.	5 1/2			Depth	3764			Charge To	TDI							
Tbg. Size				Depth				Street								
Tool	D/Ted			Depth	1303			City	State							
Cement Left in Csg.				Shoe Joint				The above was done to satisfaction and supervision of owner agent or contractor.								
Meas Line				Displace	31 3/4 B/L			Cement Amount Ordered	200 QMDC 1/4" Flo							

EQUIPMENT

Pumptrk	9	No.	Cement Helper	Chas	Common	200 QMDC	
Bulktrk		No.	Driver	David	Poz. Mix		
Bulktrk	710	No.	Driver	Doug	Gel.		

JOB SERVICES & REMARKS

Remarks:	Calcium
Rat Hole	Hulls
Mouse Hole	Salt
Centralizers	Flowseal 50A
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
Plug Reticle + mouse hole.	CFL-117 or CD110 CAF 38
Mix 16oz & Displace.	Sand
Cement Circulated.	Handling 200
	Mileage

FLOAT EQUIPMENT

Guide Shoe	
Centralizer	
Baskets	
AFU Inserts	
Float Shoe	
Latch Down	

Pumptrk Charge	Prod Long String	Top Stage
Mileage	N/A	
	Tax	
	Discount	
	Total Charge	

Signature *Alan W. ...*

Thank's

QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 5256

Date	Sec.	Twp.	Range	County	State	On Location	Finish
7/27/11	3	15	19	Ellis	KS		9:30 PM

Lease Yarnell - Gross Well No. Unit #1 Location Antoniow, 15, 2 1/2 W, N into

Contractor Southwind Drilling Rig #1 Owner _____

Type Job Surface To Quality Oilwell Cementing, Inc.
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.

Hole Size 12 1/4" T.D. 425'

Csg. 8 5/8" 23# Depth 422' Charge To TDI

Tbg. Size _____ Depth _____ Street _____

Tool _____ Depth _____ City _____ State _____

Cement Left in Csg. 15' Shoe Joint _____ The above was done to satisfaction and supervision of owner agent or contractor.

Meas Line _____ Displace 25 3/4 Bbk. Cement Amount Ordered 200sx Com 3 1/2 CC 2 1/2 gal

EQUIPMENT

Pumptrk <u>4</u> No. _____	Cementor <u>Pant</u>	Common <u>200</u>
Bulktrk <u>8</u> No. _____	Driver <u>Matt</u>	Poz. Mix _____
Bulktrk <u>AV</u> No. _____	Driver <u>Rick</u>	Gel. <u>1</u>

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
<u>Est. Circ.</u>	Sand
<u>Mix 200sx</u>	Handling <u>211</u>
<u>Displace</u>	Mileage _____
<u>Cement Circulated</u>	

FLOAT EQUIPMENT

Guide Shoe <u>8 5/8"</u>
Centralizer _____
Baskets _____
AFU Inserts <u>Swage</u>
Float Shoe _____
Latch Down _____

Thank You!!

Pumptrk Charge Surface
Mileage 12

X Signature <u>Frank Rome</u>	Tax	
	Discount	
	Total Charge	



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TDI, Inc.
1310 Bison Rd.
Hays, KS 67601
ATTN: Herb Dienes

Yarnell-Gross Unit #1
4/15S/19W-Ellis
Job Ticket: 45224 **DST#: 1**
Test Start: 2011.08.01 @ 06:20:15

GENERAL INFORMATION:

Formation: **LKC "H,I,&J"**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 08:25:45
 Time Test Ended: 14:10:45
 Interval: **3470.00 ft (KB) To 3557.00 ft (KB) (TVD)**
 Total Depth: 3557.00 ft (KB) (TVD)
 Hole Diameter: 7.85 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole
 Tester: Dustin Rash
 Unit No: 38
 Reference Elevations: 2055.00 ft (KB)
 2045.00 ft (CF)
 KB to GR/CF: 10.00 ft

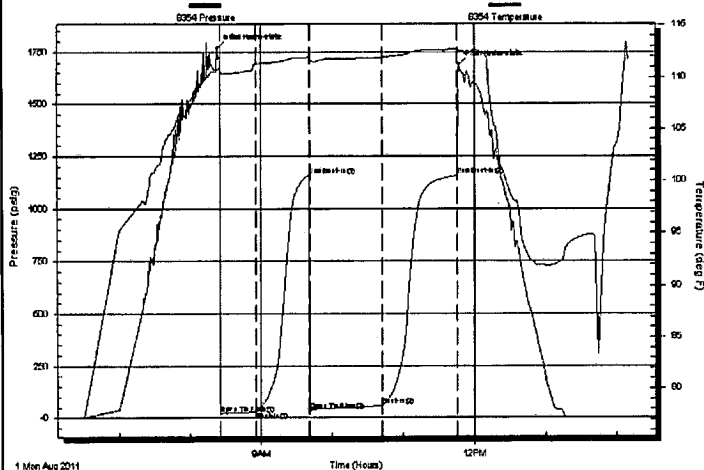
Serial #: 8354

Inside

Press@RunDepth: 57.05 psig @ 3540.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2011.08.01 End Date: 2011.08.01 Last Calib.: 2011.08.01
 Start Time: 06:30:15 End Time: 14:10:45 Time On Btm: 2011.08.01 @ 08:23:15
 Time Off Btm: 2011.08.01 @ 11:47:15

TEST COMMENT: IF-Fair building blow . BOB in 20 minutes 30 seconds.
 IS-No Return.
 FF-Strong building blow . BOB in 3 minutes.
 FS-No Return.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1767.82	110.68	Initial Hydro-static
3	19.65	110.40	Open To Flow (1)
33	30.25	111.25	Shut-In(1)
77	1157.27	111.88	End Shut-In(1)
78	32.00	111.62	Open To Flow (2)
139	57.05	111.88	Shut-In(2)
203	1157.78	112.65	End Shut-In(2)
204	1689.10	112.51	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	50% Gas/30% Mud/20% Oil	0.84
50.00	80% Mud/10% Oil/10% Gas	0.70
0.00	620' G.I.P.	0.00

Gas Rates

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



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

TDI, Inc.
1310 Bison Rd.
Hays, KS 67601
ATTN: Herb Dienes

Yarnell-Gross Unit #1
4/15S/19W-Ellis
Job Ticket: 45224 **DST#: 1**
Test Start: 2011.08.01 @ 06:20:15

Mud and Cushion Information

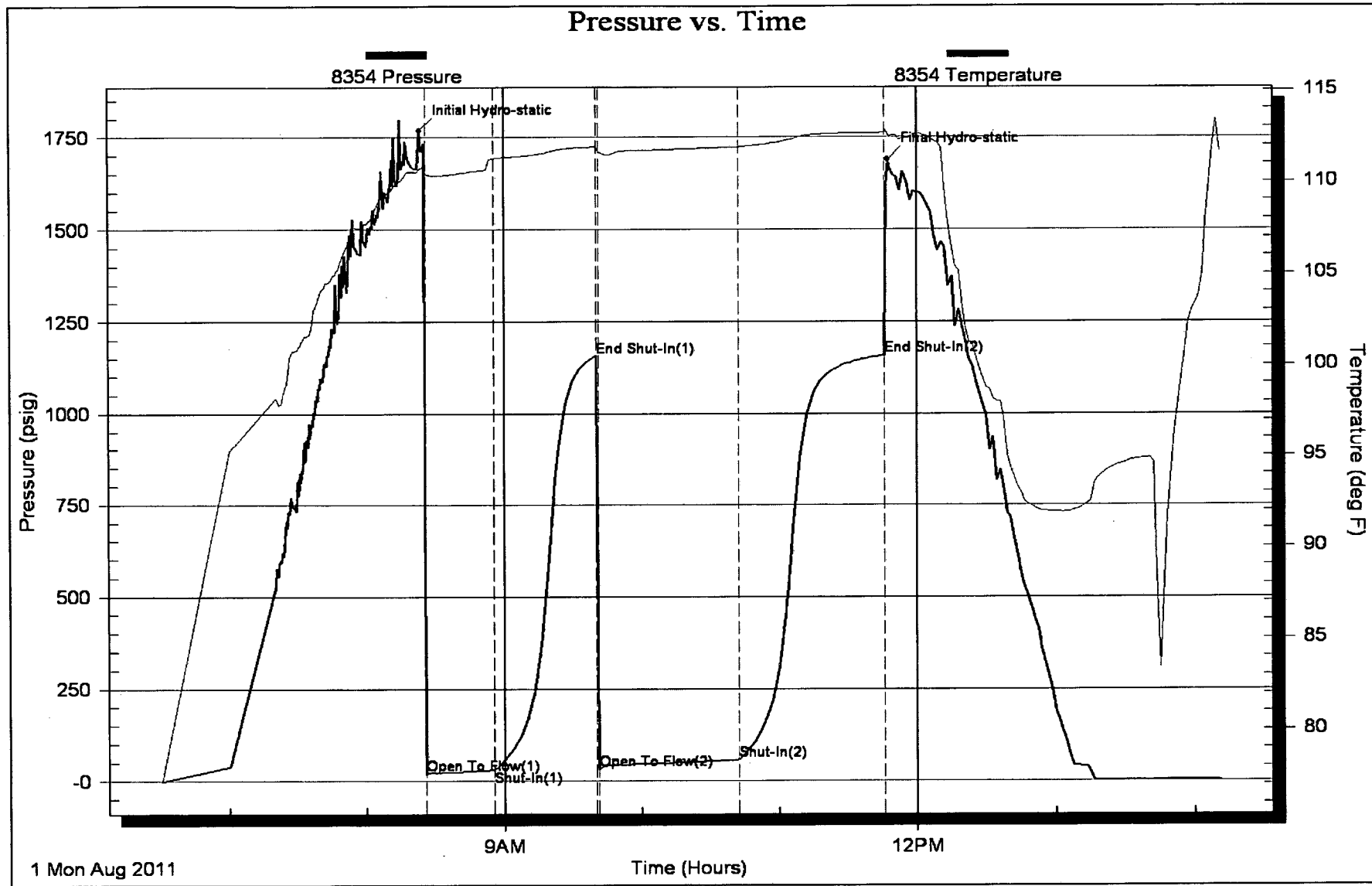
Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 41.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.80 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2300.00 ppm			
Filter Cake: inches			

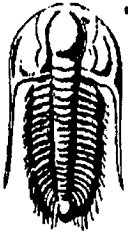
Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	50% Gas/30% Mud/20% Oil	0.842
50.00	80% Mud/10% Oil/10% Gas	0.701
0.00	620' G.I.P.	0.000

Total Length: 110.00 ft Total Volume: 1.543 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TDI, Inc.
1310 Bison Rd.
Hays, KS 67601
ATTN: Herb Dienes

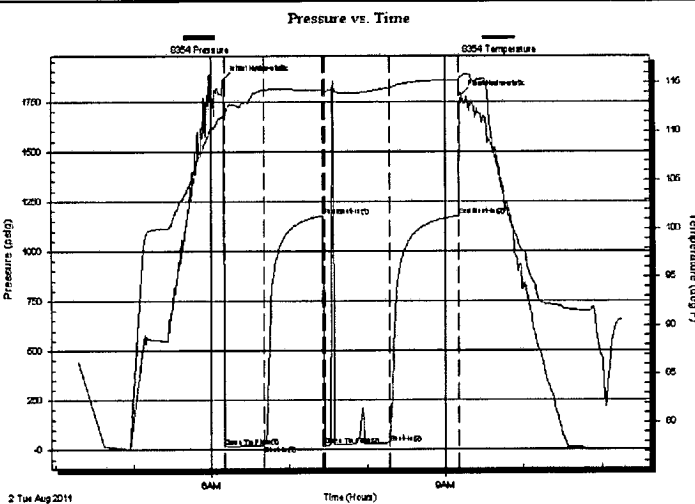
Yarnell-Gross Unit #1
4/15S/19W-Ellis
Job Ticket: 45225 **DST#: 2**
Test Start: 2011.08.02 @ 04:07:30

GENERAL INFORMATION:

Formation: **Cong Sand & Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:10:30
Time Test Ended: 11:16:00
Interval: **3674.00 ft (KB) To 3686.00 ft (KB) (TVD)**
Total Depth: 3686.00 ft (KB) (TVD)
Hole Diameter: 7.85 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole
Tester: Dustin Rash
Unit No: 38
Reference Elevations: 2055.00 ft (KB)
2045.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8354 Inside
Press@RunDepth: 33.28 psig @ 3676.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2011.08.02 End Date: 2011.08.02 Last Calib.: 2011.08.02
Start Time: 04:17:30 End Time: 11:16:00 Time On Btm: 2011.08.02 @ 06:10:00
Time Off Btm: 2011.08.02 @ 09:12:00

TEST COMMENT: IF-Very weak building blow . Built to 1&1/2 inches.
IS-No Return.
FF-No blow . Flushed tool. Weak surface blow . No build.
FS-No Return.



PRESSURE SUMMARY

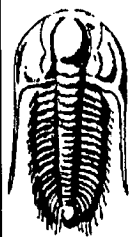
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1858.68	111.92	Initial Hydro-static
1	17.74	111.60	Open To Flow (1)
31	21.69	114.21	Shut-In(1)
76	1175.32	114.18	End Shut-In(1)
78	23.08	113.93	Open To Flow (2)
127	33.28	114.45	Shut-In(2)
181	1177.29	115.27	End Shut-In(2)
182	1783.35	115.67	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
20.00	90%Oil/10%Oil	0.28
15.00	75%Oil/25%Gas	0.21
0.00	25' G.I.P.	0.00

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

TDI, Inc.
1310 Bison Rd.
Hays, KS 67601
ATTN: Herb Dienes

Yarnell-Gross Unit #1
4/15S/19W-Ellis
Job Ticket: 45225 **DST#: 2**
Test Start: 2011.08.02 @ 04:07:30

Mud and Cushion Information

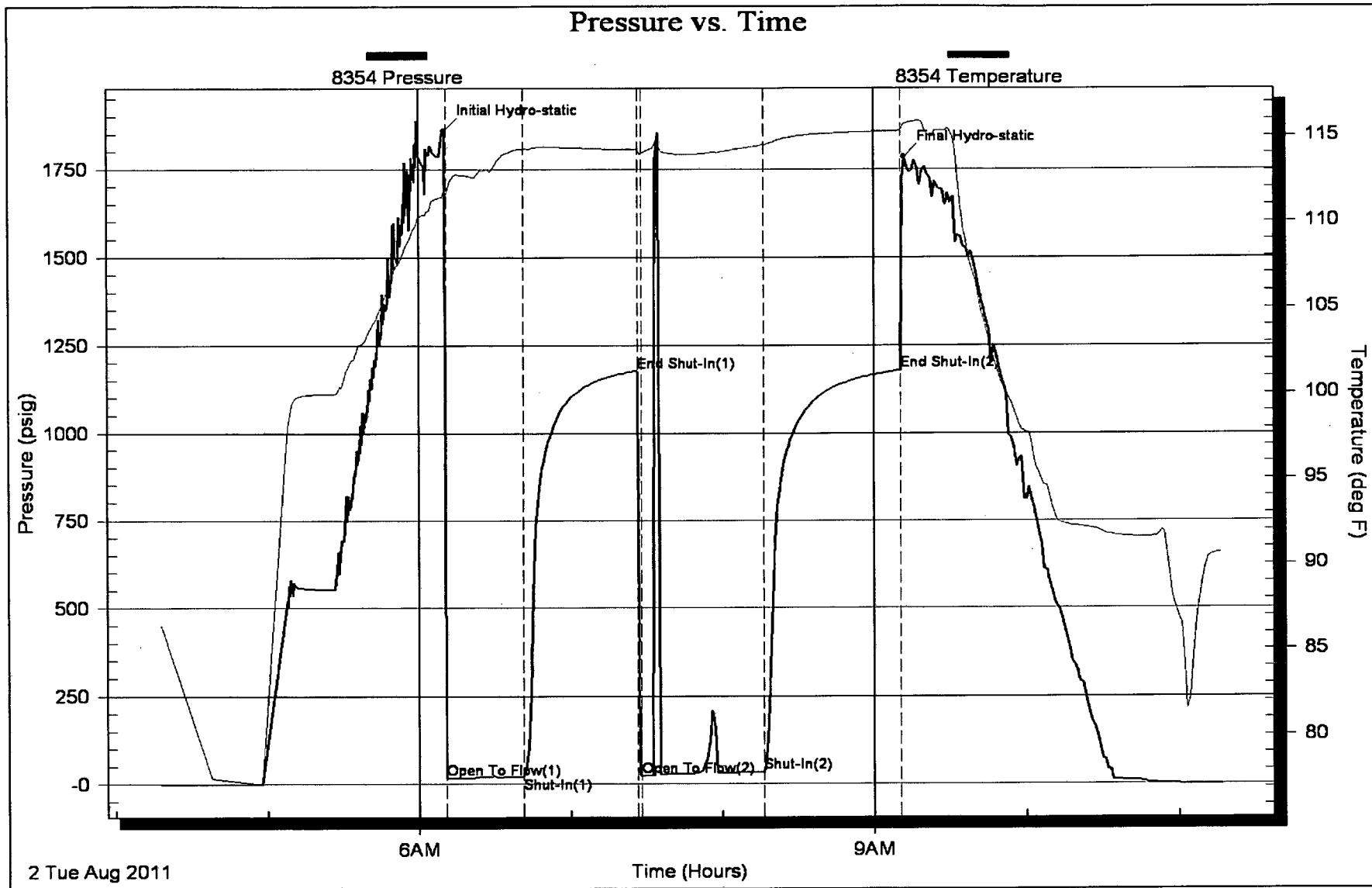
Mud Type: Gel Chem	Cushion Type:	Oil API: 31 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 55.00 sec/qt	Cushion Volume: bbl	
Water Loss: 7.20 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 2500.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
20.00	90% Oil/10% Oil	0.281
15.00	75% Oil/25% Gas	0.210
0.00	25' G.I.P.	0.000

Total Length: 35.00 ft Total Volume: 0.491 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:



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
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

January 09, 2012

Tom Denning
TDI, Inc.
1310 BISON RD
HAYS, KS 67601-9696

Re: ACO1
API 15-051-26163-00-00
Yarnell-Gross Unit 1
SW/4 Sec.04-15S-19W
Ellis 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,
Tom Denning

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
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

January 10, 2012

Tom Denning
TDI, Inc.
1310 BISON RD
HAYS, KS 67601-9696

Re: ACO-1
API 15-051-26163-00-00
Yarnell-Gross Unit 1
SW/4 Sec.04-15S-19W
Ellis County, Kansas

Dear Tom Denning:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 07/27/2011 and the ACO-1 was received on January 10, 2012 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department