

# Kansas Corporation Commission Oil & Gas Conservation Division

1070664

Form ACO-1

June 2009

Form Must Be Typed

Form must be Signed

All blanks must be Filled

# WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

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

#### **AFFIDAVIT**

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

**Submitted Electronically** 

KCC Office Use ONLY		
Letter of Confidentiality Received		
Date:		
Confidential Release Date:		
Wireline Log Received		
Geologist Report Received		
UIC Distribution		
ALT I II III Approved by: Date:		

Side Two



INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stem time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach com line Logs surveyed. Attach final geological well site report.  Drill Stem Tests Taken  (Attach Additional Sheets)  Samples Sent to Geological Survey  Yes No  Cores Taken  Yes No  Electric Log Run  Electric Log Submitted Electronically  Yes No  Electric Log Submitted Electronically	
time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach combine Logs surveyed. Attach final geological well site report.  Drill Stem Tests Taken  (Attach Additional Sheets)  Samples Sent to Geological Survey  Yes No  Cores Taken  Yes No  Yes No  Yes No  Electric Log Run	
(Attach Additional Sheets)  Samples Sent to Geological Survey  Cores Taken  Yes No  Electric Log Run  Name  Top	bottom hole temperature, fluid
Samples Sent to Geological Survey	um Sample
Cores Taken         ☐ Yes         ☐ No           Electric Log Run         ☐ Yes         ☐ No	Datum
(If no, Submit Copy)	
List All E. Logs Run:	
CASING RECORD New Used  Report all strings set-conductor, surface, intermediate, production, etc.	
Purpose of String	Sacks Type and Percent Used Additives
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 Acid, Fracture, Shot, Cement Squee Specify Footage of Each Interval Perforated (Amount and Kind of Material U	
TUBING RECORD: Size: Set At: Packer At: Liner Run:	
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:    METHOD OF COMPLETION:   PR	ODUCTION INTERVAL:

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/

Sam Brownback, Governor

Mark Sievers, Chairman Ward Loyd, Commissioner Thomas E. Wright, Commissioner

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



TDI, Inc.

1310 Bison Rd.

Hays, KS 67601

Yarnell-Gross Unit #1

4/15S/19W-Ellis

Job Ticket: 45224

DST#: 1

ATTN: Herb Dienes

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

Inside

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

Start Date:

Start Time:

Press@RunDepth: 57.05 psig @

2011.08.01 06:30:15 3540.00 ft (KB) End Date:

End Time:

2011.08.01

14:10:45

Capacity: Last Calib.: 8000.00 psig

Time On Btm:

2011.08.01 2011.08.01 @ 08:23:15

Time Off Btm:

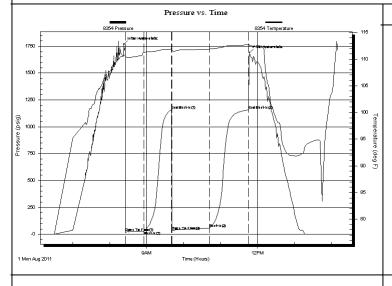
2011.08.01 @ 11:47:15

TEST COMMENT: IF-Fair building blow . BOB in 20 minutes 30 seconds.

ISI-No Return.

FF-Strong building blow . BOB in 3 minutes.

FSI-No Return.



### PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
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)
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Trilobite Testing, Inc Ref. No: 45224 Page 1



**FLUID SUMMARY** 

ppm

TDI, Inc. Yarnell-Gross Unit #1

1310 Bison Rd. Hays, KS 67601 4/15S/19W-Ellis

Job Ticket: 45224 DST#: 1

ATTN: Herb Dienes Test Start: 2011.08.01 @ 06:20:15

**Mud and Cushion Information** 

Mud Type: Gel Chem Cushion Type: Oil API: deg API Water Salinity:

Mud Weight: Cushion Length: 9.00 lb/gal ft 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

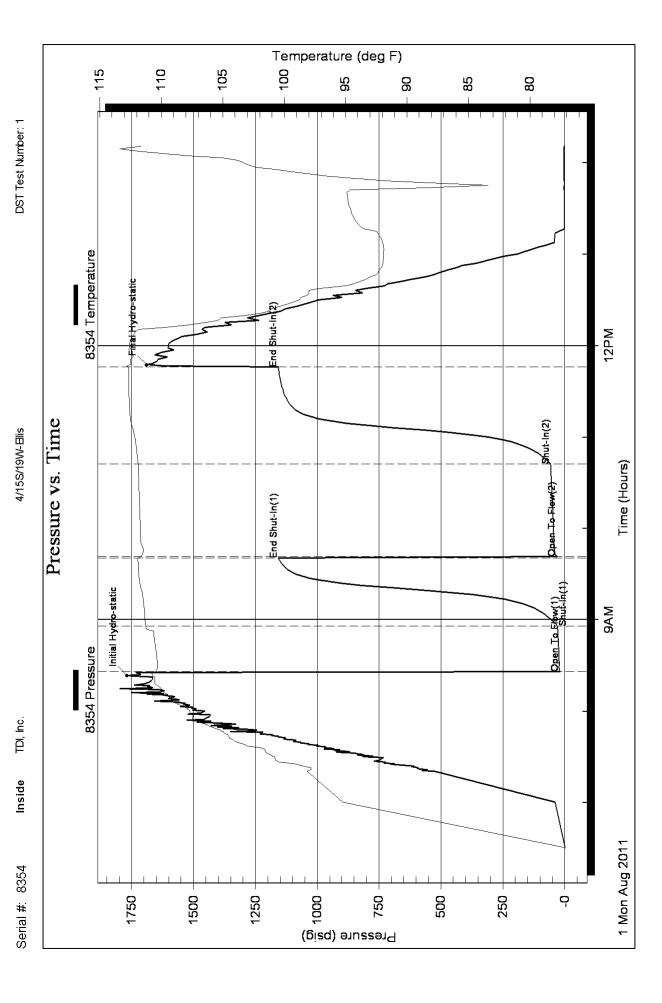
Total Length: 110.00 ft Total Volume: 1.543 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 45224 Printed: 2011.08.01 @ 15:09:25 Page 2



Ref. No:

Trilobite Testing, Inc

Page 3



TDI, Inc.

Yarnell-Gross Unit #1

1310 Bison Rd.

4/15S/19W-Ellis

Tester:

Unit No:

Hays, KS 67601

Job Ticket: 45225 **DST#: 2** 

ATTN: Herb Dienes

Test Start: 2011.08.02 @ 04:07:30

Dustin Rash

38

### GENERAL INFORMATION:

Formation: Cong Sand & Arbuckle

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

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

Inside

Reference Elevations: 2055.00 ft (KB)

KB to GR/CF: 10.00 ft

2045.00 ft (CF)

Serial #: 8354

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

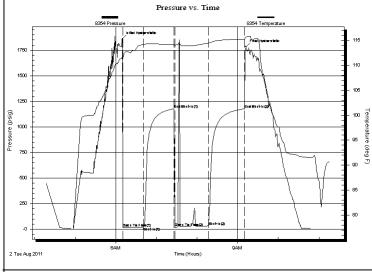
 Time Off Btm:
 2011.08.02 @ 09:12:00

TEST COMMENT: IF-Very w eak building blow . Built to 1&1/2 inches.

ISI-No Return.

FF-No blow . Flushed tool. Weak surface blow . No build.

FSI-No Return.



#### PRESSURE SUMMARY

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Ī	Time	Pressure	Temp	Annotation
	(Min.)	(psig)	(deg F)	
	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
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#### Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
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Trilobite Testing, Inc Ref. No: 45225 Printed: 2011.08.02 @ 11:56:50 Page 1



**FLUID SUMMARY** 

ppm

DST#: 2

TDI, Inc. Yarnell-Gross Unit #1

1310 Bison Rd. 4/15S/19W-Ellis

Hays, KS 67601 Job Ticket: 45225

ATTN: Herb Dienes Test Start: 2011.08.02 @ 04:07:30

**Mud and Cushion Information** 

Mud Type: Gel Chem Cushion Type: Oil API: 31 deg API Water Salinity:

Mud Weight: Cushion Length: 9.00 lb/gal ft Viscosity: 55.00 sec/qt Cushion Volume: bbl

Water Loss:  $7.20 in^3$ Gas Cushion Type:

Resistivity: Gas Cushion Pressure: ohm.m 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

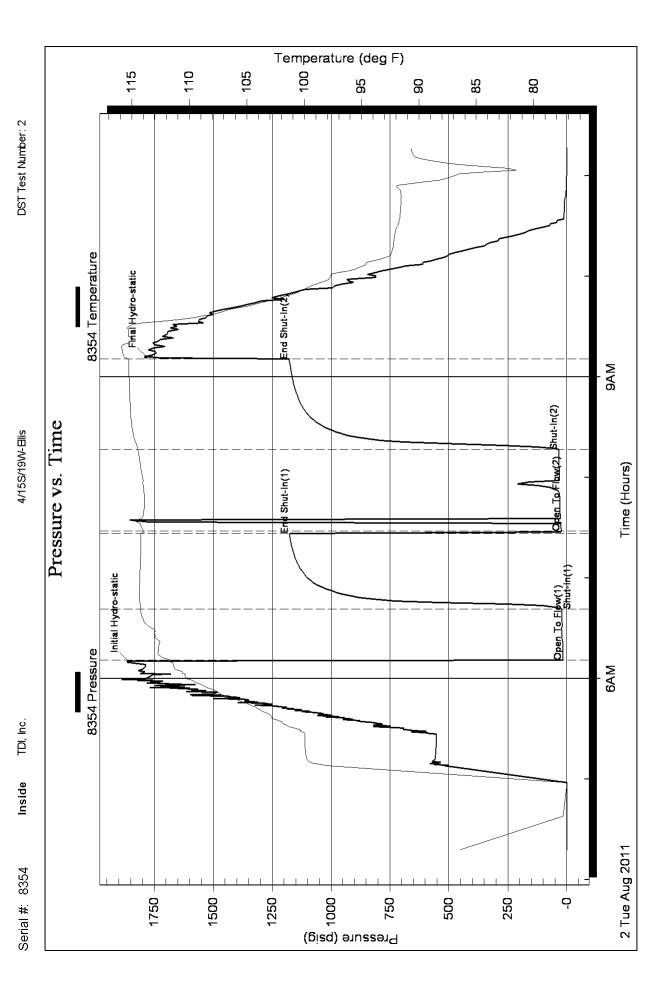
Total Length: 35.00 ft Total Volume: 0.491 bbl

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

Laboratory Location: Laboratory Name:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 45225 Printed: 2011.08.02 @ 11:56:50 Page 2



Page 3 Printed: 2011.08.02 @ 11:56:51 45225 Ref. No: Trilobite Testing, Inc

	Date Depth Activity Date Depth Activity  7-27-11 SHO' DRIA  7-28-11 SHO' DRIA  7-29-11 1930' DRIA  7-31-11 3250' DRIA  8-01-11 3250' DRIA  8-01-11 3250' DRIA  8-03-11 3250' BRIA DSTA1 Lags  8-03-11 3765' BRIA Casing  FOLD HERE  REMARKS Recommendation of the substance of the sub		DUNTY <u>Ellis</u> STATE <u>Kawsas</u> CATION:  780 FSL + 3.550 FWL SW/4  H TWP 15s RGE 19w GL 2045'  Log 6.  Log 6.  Log 6.  Log 6.  Log 6.  Log 70	
		og De 1304 1341 3046 3318	atum	nple Log Datum *
			*Structural Position to:	
901	Anhydrite Salt	Sandstone SC DEPTH		Chert Dolomite,  Remarks, drill stem tests, etc.  Mud GysTem-Gel Chemicol  Mud Co
	Hukydni Te Fop	90 1300 10 20		Slope Survey 423' 1/4°
	Aunyda: a Basa	30 40 50		
		1400 10 20 30 40	Sh Red, ban, Sli Red Wash  Lm CAM-TAN FNX/N Sli Chalk in PART  Lm CAM-TAN FN-UFX/N Sli Chalk  Lm CAM-TAN FNX/N Chalk in PART  Lm CAM-TAN FNX/N GAANNIA in PART  Sli Chalk	
		50 60 70 80	Lm CRM-TAN - LT BAN FNX/N  SI; Chalk  Lm CAM-TAN FNX/N Chalk in part  Lm CAM-TAN FNX/N  Some Bed Shalay FNX/N Lm  Lm LT BAN FNX/N SIi Chalk in part  SI: Fass  Lm CAM-TAN - LTBAN FNX/N - GRANNIAA  Chalk in part NS No wat Cut	
		90 2500 10 20	LT - Med hav colitics comoldic  Chalk in pant  Lm LT-Med ban  Some colitics comoldic w Chalk  Lm LT-Med ban Frix/N Bli Chalk	
		30 40 50 60	Lm CAM-TAN - LTBAN FNXN - GRANNIGR W Chalk  Lm LT - Med BAN FNXN Sli Foss - Fusilinids  Lm CAM - TAN - LTBAN FNXN - Colific & comeldic in peat w Chalk in peat  Lm med - dk ban Trashy	
		70 80 90 2600	Im med-dk base FNX/N Tanshy Sli FORS  Lm Cam-med bare FNX/N  Sh Limegan, Red, base SOST  Lm LT-med bare Gannulagin port  Seme gany him sholey in gary mottling  Lm CAM-LT bare gannulagin chalk  Sli Fors	
		20 30 40 50	Lm offwhi - Ton - Liben GARNULER W Chalk  Lm Lit- Med ban Fuxlu-gannuler W chalk  Sh gany calc  Lm Cam - Liben Fuxlu-gannuler  Lm Cam - Liben Fuxlu-gannuler  Lm Cam - Liben Fuxlu-gannuler  Lm Cam - Liben Gannuler w Chalk	
		60 70 80 90	Lm LTgmay FNX/N Shaley SliFass  Lm LT ban-gary wgary mattling  Garnalian wcholk  Lm gary FNX/N Sheleya Tanshy  SliFasa Sli Chalk	
		2700 10 20 30	Lim gary SARNULAR SI: Foss  TAATHY  Lim cam Fux/N SI: Chalk  Sh Linegan, dovegany Red SOST  Lim ban Fux/N Foss  Sh Aeds, dovegany SOST  Lim cam-LT ban Fux/N	
		40 50 60 70 80	Lm CAM-LT DAN FAX/N Sli Chalk Sli Foss  Sh LT- Med GANY FISSILE IN PART SOLT + STICKY IN PART  Lm CAM- Lt DAN FAX/N FOSS  Sh LT- Med GANY  Lm CAM-TAN FAX/N-GANNALOR  Lm CAM-TAN FAX/N-GRANNLOR	
		90 2800 10 20	LM Med gray Fux/N sheley  Sh Red dove gray 505T - Fissile in put  LM OffwhT granular in chalk  Sh LT- med gray Fissile  LM OffwhT granular in Chalk	
	Daven - me	30 40 50 60	Sh gany Fissile  Sh gany Fissile No Sands Time Sand  2 nd Tankio Sand  55 gaily Fu ganined, posaly souted  NS  Sh LT-med gany SOST	
	TAR KIO LIME	90 2900	Sh LT- med gary soft  Lm Cam- grayish ban Fuxlu  Chalk in part  Lm Cam- LT ban Fuxlu-garnylea  Fossinger Chalk in part  Lm Cam- Tan Fuxlu Sl: Foss	
		10 20 30 40 50	SAD SAND GRITTY + POORLY Developed ALS  Sh LT-Med gany pyritis  Lm CAM-LTDRN FUXIN FOSS  Sli Cholk in port  Lm CAM-TAN-DRN FUXIN  Cholk in part  Lm Off wht-ban-grayish ban  Sli Foss	
		60 70 80 90	Lm gany-ban Faxle SI; Fass  Lm OffwhT-CRM-ban Faxle Gholk in poal  Lm LT ban-Ligary Faxle  Sh med gary	
		3000 10 20 30	Lm bar-gany Fuxlow Sli foss  Lm LT ban - LT gany Fuxlow  Sli Foss - Fusillands  Lm LT ban - ganyish ban Fuxlow  Foss a cholky  Lm dk ban Fuxlow Sli Foss  Sh gary	
	3045 - 990 T	40 50 60 70 80	LM CAM-BAN-GARY FNXAN  LM CAM-BAN-GARY FNXAN  LM CAM-BAN-GARY FNXAN  LM CAM-LT BAN GARY FNXAN  FOSS IN PORT	
		90 3100 10 20	Lm Litured ban Fuxin Foss in poat  sh gony pyritis  Lm cam-ban Fuxin  Lm Litured ban gaanular NS  Lm cam-ban Fuxin  Shaley + Tanshy in part Foss  Lm Litured ban fuxin Foss	
		30 40 50 60	Lim ban-gary fuxlu  Connular w Chalk 51: Foss  Lim ban garnular	
		70 80 90 3200	Sh gary-blk Carb  Lm Dan-gary Fnx/N w chalk  Sh LT gary sofT  Lm offwhT VFX/N  Lm LT ban garnular NS	
		10 20 30 40 50	Lm CAM-LT ban FU-UFX/N  SI; Fass SI; Chalk  Lm LT-med ban FNX/N  Sh gaay Calc  Sh bik Camb.  Lm offwM - gaay FNX/N Foss  Sli Chalk Some VFX/N in part  Jacs and VIN VIT Ocha GTANCE FO on half	
		60 70 80 90	Aprs md XIN VLT ODOR & TRACE FO an bak  Remainder of sample chalky  Lun cam-Tan FNXIN-grannlar  Chalky  Lun cam-Offwht-LT ban FNXIN  Shalky  Sh Dave gary soft  Lun Tan-LTban FNXIN Chalk in pant  Lun cam-Tan-LTban FNXIN Chalk in pant  Chalk in pant	
	Heebyea Shale	3300 10 20 30	Lm LI-Med ban FNX/N Chalkingan  Lm LI-Med ban FNX/N Chalk in pan  Sh bik Carb.  Lm ban UFX/N pyritic Sli Foss  Sh Lime green soft	
	3342 1287 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	40 50 60 70 80	Lm wht-cam fa-vfx/w baittle Sli Chalk NS  Lm wht- Ltban fn-vfx/w NS  Sh Red, ban  Lm Lt-med ban-Ltgany fnx/w Sh Red, ban  Lm Cam-Ltban fn-Vfx/w	
		90 3400 10 20	Sh gray Calc Tarshy  Lm LTban Fnx/N-oolitic-comoldic Trace of LT stain in ITodan en back Chalk in much of sample  Lm hI- med ban Fnx/N Sli Foss IN part  Lm cam - LTban Mostly Fnx/N w 2001Grand pinpt on LT Scat Stain VIT Coon in vinsto an break Sh gray - bih carb	
	E F F F F F F F F F F F F F F F F F F F	30 40 ° 50	Lm med ban FNX/N FOSS  Sh gaay, gasen  Lm med ban FNX/N  Lm wht-Cam Mostly FNX/N  W Saw ocs dolomitic w scot pinptol  Scot Stain w VLT odoa  Lm off wht-cam FNX/No baitle on bak  Chalk in past Sli Foss NS  Lm off wht-Cam-Tan FN-UFX/N	
		70 80 90 <b>3500</b> °	Lim offwht - LTBRN FN-VFX/N  SI: Chalk  Lim off whit - LTBRN FN-VFX/N  Chalk in part  Sh gray-grayishgreen Calc  Lim Cam-Tan Mostly FNX/N  SCATTERED PINDTS/ SCAT STAIN, VINTODOR NFO	DST#1 3470'- 3557'  30- 45-45-60  Rec: 50'046CM-10%6,10%0,80%M  60'H046CM-50%6,20%0,30%M  620'GIP  TSTP: 1157#  F9IP: 1158#  FP: 20-30, 32-57  BHT: 113°  15T Open: FAIR blow BOB 20.5mW  No blow back
		20 0 30 40	Lm CAM FN-VFX/N  Lm CAM	2nd Open: STRONG Blow BOB3 min No blow back
		40 ° ° 70 ° ° 80 ° 90	Lm CRM FN-UFX/N Chalk in part  Lm grayish green FrxN w Scat Ungd w show of huy drad Oil Nooder  Lm CAM-Liban FN-UFX/N SI: Foss  Lm buff- Liban FN-UFX/N SI:Chalk	Slope Survey 3557 1°
		3600 10 20 30	Lm CAM FN.UFX/N Chalk IN PAAT  Lm CAM FN-UFX/N SI: Chalk  Sh Red wash  Shvara Color  Lm Clastic mix	
	Complement	40 50 60 70	Sh Med wash bANS, greens  Sh Vari Color Cherl ORRUGE  LM CRM-TAN dolomiTic INPERT  Chert Vari Color + ORRUGE	DST#2 3674'-3686' 2 30-45-45-45 Rec: 25'GIP
	7 ARBACKIE 34 34 - 16 29 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	90 3700 10 20	Dol com-Libra FN-Mdx/A  Dol com-Libra FN-Mdx/A  WAT SFO ON BACOM. SCOT-SAT STAIN  FAIR INTERNAL FN-Mdx/A  W CX/N IN POINT  Dol whit-Cam - Libra  FN-CX/N	15'GBY Oil 20' OCM - 10%0, 90% M  ISIP: 1175 # FSIP: 1177 FP: 18-22, 23-33  BHT: 115"  GRAVITY 31  1ST Open: Week building blow built To 1/2"  No blow back
		30 40 50 60	Dol wht-CAM - LT BAN  Chem O AANGE  Dol CAM-TAN - LTBAN  FN-MdX/N  Dol wht-CAM - TAN  FN-MdX/N SncAssic in port	2nd Open: No blow, Flushed Tool weak Surface blow No blow back
	8-02-201	70		

# QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025 Cell 785-324-1041 Home Office P.O. Box 32 Russell, KS 67665

No 5319

Sec. Range Finish Twp. County State On Location 4.001.m 15 Location Antaino 13 7/200 Well No. 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. Hole Size Charge Depth Tbg. Size Depth Street Tool DV Toul #58 Depth City State Cement Left in Csg. 4343 Shoe Joint 43.43 The above was done to satisfaction and supervision of owner agent or contractor. Displace Cement Amount Ordered 150 am 10% Solt Meas Line EQUIPMENT 10BL KCL 500 aal muldear Cementer Common Pumptrk Helper Driver Bulktrk Poz. Mix Driver No. Driver CON Bulktrk Gel. Driver **JOB SERVICES & REMARKS** Calcium 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 Handling Mileage **FLOAT EQUIPMENT** Guide Shoe Centralizer Baskets AFU Inserts Float Shoe Latch Down Pumptrk Charge Mileage Trulk 5 Tax Discount Signature An Wenney Total Charge

# QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

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

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

No. 5320

Lease functi (		Sec.	Twp.	Range		County	State	On Location	Finish	
Contractor Sort Novign 1 Top Stage   Cowner   Type Job DV Dk	Date 83-11	4	15	19	EI	15	K5		10:30 Am	
Type Job Delta To Quality Oliver Location and furnish commenter and helper to assist owner or contractor to do work as listed.  Seg. 5/2 Depth 37/4/ Charge TD.T  Tog. Sze Depth Street  Tool DUTED Depth 1303 City State  Cement Left in Csg. Shoe Joint The above was done to satisfaction and supervision of owner agent or contractor to the work as listed.  Cement Left in Csg. Shoe Joint The above was done to satisfaction and supervision of owner agent or contractor to the contractor of the contract	Lease faireil Cross	Init V	Vell No.		Locati	on Antenine	15 21/2000	linto		
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.   Cargo 5/2	Contractor Southwi	7	Q Stage		Owner					
Common   C										
Depth Tog Size Depth The above was done to satisfaction and supervision of owner agent or contracto Displace 3/3/8/ Cement Amount Ordered Common Supervision of owner agent or contracto Displace 3/3/8/ Cement Amount Ordered Common Supervision of owner agent or contracto Displace 3/3/8/ Cement Amount Ordered Common Supervision of owner agent or contracto Displace 3/3/8/ Cement Amount Ordered Common Supervision of owner agent or contracto Displace 3/3/8/ Cement Amount Ordered Common Supervision of owner agent or contracto Displace 3/3/8/ Cement Amount Ordered Common Supervision of owner agent or contracto Displace 3/3/8/ Cement Amount Ordered Common Supervision of owner agent or contracto Displace 3/3/8/ Cement Amount Ordered Common Supervision of owner agent or contracto Displace 3/3/8/ Cement Amount Ordered Common Supervision of owner agent or contracto Cement Amount Ordered Common Supervision of owner agent or contracto Displace 3/3/8/ Cement Amount Ordered Common Supervision of owner agent or contracto Cement Amount Ordered Common Supervision of owner agent or contracto Cement Amount Ordered Common Supervision of owner agent or contracto Cement Amount Ordered Common Supervision of owner agent or contracto Displace 3/3/8/ Cement Amount Ordered Common Supervision of owner agent or contracto Displace 3/3/8/ Pour Supervision of Order	Hole Size 778 T.D. 3765				cementer and helper to assist owner or contractor to do work as listed.					
Tool D. J. T. A. Depth 1303 City State  Cement Left in Csq. Shoe Joint The above was done to satisfaction and supervision of owner agent or contractor of the contract of the	Csg. 51/2		Depth 3764			Charge TDI				
Cement Left in Csg.    Shoe Joint   The above was done to satisfaction and supervision of owner agent or contractor	Tbg. Size	Depth			Street					
Meas Line	Tool DUTER		Depth 1303			City State				
Pumptrk 9 No Cament Res   Common Jan January   Bulktrk No Driver   Driver   Bulktrk No Driver   Driver	Cement Left in Csg.		<del></del>			The above was done to satisfaction and supervision of owner agent or contractor.				
EQUIPMENT Pumptrk 9 No Cament Resident Poor Mileage Bulktrk No Driver David Poor Gel.  Bulktrk No Driver Doriver Poor Gel.  JOB SERVICES & REMARKS  Calcium  Hullis  Rat Hole Salt  Flowseal SO F  Centralizers  Baskets  Mud CLR 48  DIV of Port Collar  Plan Rether Provide Follow  Mileage  Land Flowsers  Float Equipment  Guide Shoe  Centralizer  Baskets  AFU Inserts  Float Shoe  Latch Down  Pumptrk Charge Prod Long Stry, Pagin  Mileage  Pumptrk Charge Prod Long Stry, Pagin	Meas Line		<del></del>	e 3 <i>j 3/41</i>	32	Cement Amo	ount Ordered 200	ambe Kn	#Flo	
Bulktrk No Driver David Poz. Mix  Bulktrk The No Driver Down Gel.  JOB SERVICES & REMARKS  Calcium  Remarks:  Hulls  Rat Hole  Salt  Flowseal SO H  Centralizers  Baskets  Diver Collar  CFL-117 or CD110 CAF 38  Diver Wash of Mileage  Limint Cirluiter  Baskets  AFU Inserts  Float Shoe  Latch Down  Pumptrk Charge from Arry Arry  Mileage  Float Form  Pumptrk Charge from Arry  Mileage  Float Form  Pumptrk Charge from Arry  Mileage  Float Form  Mileage  Pumptrk Charge from Arry  Mileage  Float Form  Mileage  Pumptrk Charge from Arry  Mileage  Pumptrk Charge from Arry  Mileage  Float Form  Mileage  Pumptrk Charge from Arry  Mileage  Float Form  Mileage  Pumptrk Charge from Arry  Mileage  Mileage  Mileage  Mileage  Tax		MENT	· · · · · · · · · · · · · · · · · · ·							
Bulktrk PID No. Driver   Poz. Mix    Solitary   Gel.     JOB SERVICES & REMARKS   Calcium     Remarks:   Hullis     Rat Hole   Salt     Mouse Hole   Flowseal   Flowseal     Centralizers   Kol-Seal     Baskets   Mud CLR 48     D/V or Port Collar   CFL-117 or CD110 CAF 38     Plus Rottle + Marie full.     Mileage   FLOAT EQUIPMENT     Guide Shoe     Centralizer     Baskets   AFU Inserts     Float Shoe     Latch Down     Pumptrk Charge   FLOAT Long Stry Stry Stry Stry Stry Stry Stry Stry	Pumptrk 1 Helpe	er C	-7			Common	900 (Mi)	0	1	
Buiktric ALD Driver Decay  JOB SERVICES & REMARKS  Calcium  Hullis  Rat Hole  Mouse Hole  Centralizers  Baskets  DIV of Port Collar  Plus Rathole + March Inde  Mileage  Centralizer  Gel.  Handling JOD  Mileage  Centralizer  Baskets  AFU Inserts  Float Shoe  Latch Down  Pumptric Charge frost Lang String  Mileage  Tax	Bulktrk Drive	r	10			Poz. Mix	S			
Remarks:  Rat Hole  Salt  Mouse Hole  Centralizers  Baskets  D/V or Port Collar  Plus Kither Howing Hole  Sand  Handling  Mileage  Centralizer  Baskets  AFU Inserts  Float Float Long Sing  Plumptrk Charge Mileage  Pumptrk Charge Mileage  AKE  Mileage  Tax						Gel.				
Rat Hole  Mouse Hole  Centralizers  Baskets  D/V of Port Collar  CFL-117 or CD110 CAF 38  Sand  Mul CLR 48  CFL-117 or CD110 CAF 38  Sand  Mileage  FLOAT EQUIPMENT  Guide Shoe  Centralizer  Baskets  AFU Inserts  Float Shoe  Latch Down  Pumptrk Charge  Pumptrk Charge  Mileage  Tax	JOB SE	RVICES	& REMA	RKS		Calcium				
Mouse Hole  Centralizers  Baskets  D/V or Port Collar  CFL-117 or CD110 CAF 38  Sand  Mux Hose & Displace  Mileage  FLOAT EQUIPMENT  Guide Shoe  Centralizer  Baskets  AFU Inserts  Float Shoe  Latch Down  Pumptrk Charge float Long Ang Ang Ang Ang Ang Ang Ang Ang Ang A	Remarks:			***		Hulis				
Resters  Baskets  DIV of Port Collar  CFL-117 or CD110 CAF 38  Plus Rester FLOAT EQUIPMENT  Guide Shoe  Centralizer  Baskets  AFU Inserts  Float Shoe  Latch Down  Pumptrk Charge FLOAT Lang String  Mileage  Pumptrk Charge FLOAT Lang String  Mileage  Pumptrk Charge FLOAT Lang String  Mileage  Mileage  Mileage  Mileage  Mileage  Mileage  Mileage  Mileage  Tax	Rat Hole					Salt				
Baskets  DIV or Port Collar  CFL-117 or CD110 CAF 38  Plus Rottole + Music hole  Sand  Handling  Mileage  FLOAT EQUIPMENT  Guide Shoe  Centralizer  Baskets  AFU Inserts  Float Shoe  Latch Down  Pumptrk Charge Pload Long Stry Jogic  Mileage  Tax	Mouse Hole					Flowseal 50 A				
DIV of Port Collar  CFL-117 or CD110 CAF 38  Plus Kirtlesle + Mewie hole:  Mileage  Handling 200  Mileage  FLOAT EQUIPMENT  Guide Shoe  Centralizer  Baskets  AFU Inserts  Float Shoe  Latch Down  Pumptrk Charge frod Long Stry Stry Stry Mileage  Mileage  Mileage  Tax	Centralizers					Kol-Seal				
Plus Richard + Music hole.  Mileage  Sand  Handling 200  Mileage  FLOAT EQUIPMENT  Guide Shoe  Centralizer  Baskets  AFU Inserts  Float Shoe  Latch Down  Pumptrk Charge frod Long Stry Stry  Mileage  Mileage  Tax	Baskets					Mud CLR 48				
Mileage  Image  FLOAT EQUIPMENT  Guide Shoe  Centralizer  Baskets  AFU Inserts  Float Shoe  Latch Down  Pumptrk Charge Mad Lang Ang Ang Ang Ang Ang Ang Ang Ang Ang A	D/V or Port Collar				CFL-117 or CD110 CAF 38					
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Baskets  AFU Inserts  Float Shoe  Latch Down  Pumptrk Charge Prod Long Stry Stry  Mileage  Mileage  Tax				·		Guide Shoe				
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That 3'	¥.				Pumptrk Charge Wood Long Stry Stage					
- Comp						Mileage / ///c				
Discount		hall.	5'				<i>y</i>	Tax		
								Discount		
Signature Que Weinho Total Charge	X Signature Aun 11/	erule						Total Charge		

# QUALITY OILWELL CEMENTING, INC. Federal Tax I.D.# 20-2886107

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

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

No. 5256

Date 7/27/11	Sec.	Twp.	Range		County	State	On Location	Finish PM		
		ell No.	Jn:+#1			w,15,2/21	W. M. Jata	1 10 70 La		
Contractor Southw					Owner	10,10,000	) 10 (W())			
Type Job Swrfue		7 77		To Quality Oilwell Cementing, Inc.						
Hole Size 124"	т.р. 425			You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.						
Csg. 85kr 23	井	Depth (122)			Charge TOI					
Tbg. Size		Depth			Street					
Tool		Depth		-	City		State			
Cement Left in Csg. 15		Shoe Jo	oint		The above was done to satisfaction and supervision of owner agent or contractor.					
Meas Line		Displace	· 2546	bk.	Cement Amo	unt Ordered	Sx Com 3%C	L2% el		
EQUIPMENT					- 4					
Pumptrk 4 No. Cemen	iter (	ul_			Common 2	00				
Bulktrk & No. Driver Driver	Ma	++			Poz. Mix					
Bulktrk No. Driver	Ric	Jk			Gel. </td					
JOB SER	VICES 8	REMA	RKS		Calcium /					
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					
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Jon				5.0						
					Pumptrk Charge Supfice					
•				Mileage / 2						
						Tax				
IV (1	0						Discount			
X Signature Maych	. Wo	me					Total Charge			

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/

Sam Brownback, Governor

Mark Sievers, Chairman Ward Loyd, Commissioner Thomas E. Wright, Commissioner

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**