

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1161941

Form ACO-1
August 2013
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 #	GPS Location: Lat:, Long:
Name:	(e.g. xx.xxxxxx) (e.gxxx.xxxxxx)
Wellsite Geologist:	Datum: NAD27 NAD83 WGS84
Purchaser:	County:
Designate Type of Completion:	Lease Name: Well #:
New Well Re-Entry Workover	Field Name:
□ Oil □ WSW □ SHOW □ 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:	Producing Formation: Elevation: Ground: Kelly Bushing: Feet Total Vertical Depth: Plug Back Total Depth: Feet Multiple Stage Cementing Collar Used? Yes No If yes, show depth set: Feet If Alternate II completion, cement circulated from: sx cmt.
Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWD Plug Back Conv. to GSW Conv. to Producer	Drilling Fluid Management Plan (Data must be collected from the Reserve Pit)
□ Commingled Permit #:	Chloride content: ppm Fluid volume: bbls Dewatering method used: Location of fluid disposal if hauled offsite:
GSW Permit #:	Cuerter See Two S R Total West
Spud Date or Date Reached TD Completion Date or Recompletion Date	QuarterSec. TwpS. 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					
Confidentiality Requested					
Date:					
Confidential Release Date:					
Wireline Log Received					
Geologist Report Received					
UIC Distribution					
ALT I II Approved by: Date:					

Page Two



Operator Name:				Lease N	Name: _			_ Well #:		
Sec Twp	S. R	East	West	County	:					
	ow important tops of fo ing and shut-in pressu o surface test, along wi	res, whe	ther shut-in pre	ssure reacl	hed stati	c level, hydrosta	tic pressures, bo			
Final Radioactivity Logilles must be submitted						gs must be ema	iled to kcc-well-lo	ogs@kcc.ks.go	v. Digital	electronic log
Drill Stem Tests Taken (Attach Additional S		Ye	es No			3	on (Top), Depth a			Sample
Samples Sent to Geol	es 🗌 No		Nam	9		Тор	L	Datum		
Cores Taken										
List All E. Logs Run:										
			CASING	RECORD	│ Ne	w Used				
		Repo				rmediate, producti	on, etc.			
Purpose of String	Size Hole Drilled		e Casing : (In O.D.)	Weig Lbs./		Setting Depth	Type of Cement	# Sacks Used		and Percent dditives
									<u> </u>	
Purpose	Depth					EEZE RECORD				
Purpose: Perforate	Top Bottom	Туре	of Cement	# Sacks	Used		Type and I	Percent Additives		
Protect Casing Plug Back TD										
Plug Off Zone										
Did you perform a hydrau	ilic fracturing treatment or	n this well?	·			Yes	No (If No, sk	ip questions 2 ar	nd 3)	
	otal base fluid of the hydra		•		•			ip question 3)		
Was the hydraulic fractur	ing treatment information	submitted	to the chemical of	disclosure reg	gistry?	Yes	No (If No, file	out Page Three	of the ACC)-1)
Shots Per Foot			ID - Bridge Plug Each Interval Perl				cture, Shot, Cemen		b	Depth
TUBING RECORD:	Size:	Set At:		Packer At	t:	Liner Run:				
							Yes No			
Date of First, Resumed	Production, SWD or ENH	R.	Producing Meth Flowing	nod:	g 🗌	Gas Lift C	other (Explain)			
Estimated Production Per 24 Hours	Oil Bl	bls.	Gas	Mcf	Wate	er Bl	ols.	Gas-Oil Ratio		Gravity
DIODOGITI	ON OF CAC			ACTUOD OF	COMPLE	TION		DDODUGT		
Vented Sold	ON OF GAS: Used on Lease		N Open Hole	NETHOD OF \Box Perf.	Dually	Comp. Con	nmingled	PRODUCTIO	λΝ ΙΝΙΕΚ\	/AL:
(If vented, Sub			Other (Specify)		(Submit A		mit ACO-4)			

Form	ACO1 - Well Completion
Operator	TDI, Inc.
Well Name	Munsch 7
Doc ID	1161941

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	"	Number of Sacks Used	Type and Percent Additives
Surface	12.25	8.625	20	212	Common	150	2% gel, 3% cc
Production	7.875	5.5	14	3741	EA-2	150	



Prepared For: TDI Inc

1310 Bison Rd Hays KS 67601-9696

ATTN: Tom Denning-Herb Dei

Munsch #7

9-15s-18w Ellis,KS

Start Date: 2013.09.30 @ 10:16:00 End Date: 2013.09.30 @ 16:53:09 Job Ticket #: 54820 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.10.03 @ 10:20:41



TDI Inc

9-15s-18w Ellis, KS

1310 Bison Rd

Munsch #7

Hays KS 67601-9696

Job Ticket: 54820 DST#: 1

ATTN: Tom Denning-Herb Dei Test Start: 2013.09.30 @ 10:16:00

GENERAL INFORMATION:

Formation: LKC A-C

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

Time Tool Opened: 11:53:25 Time Test Ended: 16:53:09

Unit No: 70

Tester:

Interval: 3302.00 ft (KB) To 3355.00 ft (KB) (TVD) 3355.00 ft (KB) (TVD)

Reference Elevations:

2039.00 ft (KB) 2029.00 ft (CF)

Total Depth: Hole Diameter:

KB to GR/CF: 10.00 ft

Ray Schwager

7.88 inches Hole Condition: Fair

Serial #: 8369 Press@RunDepth: Inside

3317.00 ft (KB) 53.49 psig @

2013.09.30

Capacity: Last Calib.: 2013.09.30

8000.00 psig

Start Date: Start Time: 2013.09.30 10:16:00 End Date: End Time:

16:53:09

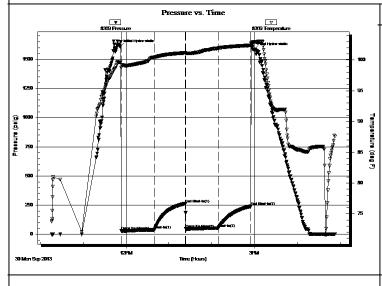
Time On Btm: Time Off Btm: 2013.09.30 @ 11:51:55 2013.09.30 @ 14:59:24

TEST COMMENT: 45-IFP-wk to strg in 20 min

45-ISIP-no bl

45-FFP-strg bl in 1 min

45FSIP-no bl



PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1607.53	99.61	Initial Hydro-static
2	32.21	98.73	Open To Flow (1)
48	39.30	100.45	Shut-In(1)
92	264.54	101.16	End Shut-In(1)
92	47.85	101.10	Open To Flow (2)
137	53.49	101.90	Shut-In(2)
183	241.01	102.39	End Shut-In(2)
188	1583.26	102.93	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
0.00	850'GIP	0.00
75.00	SGCM 5%G95%M w/show of oil	1.05
1		· · · · · · · · · · · · · · · · · · ·

Gas Rates

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

Printed: 2013.10.03 @ 10:20:41 Trilobite Testing, Inc. Ref. No: 54820



TDI Inc

9-15s-18w Ellis, KS

1310 Bison Rd Hays KS 67601-9696 Munsch #7

Job Ticket: 54820

DST#: 1

ATTN: Tom Denning-Herb Dei

Test Start: 2013.09.30 @ 10:16:00

GENERAL INFORMATION:

Formation: LKC A-C

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

Time Tool Opened: 11:53:25 Time Test Ended: 16:53:09 Tester: Ray Schwager

Unit No: 70

3302.00 ft (KB) To 3355.00 ft (KB) (TVD)

Reference Elevations:

2039.00 ft (KB) 2029.00 ft (CF)

Total Depth: 3355.00 ft (KB) (TVD)

10.00 ft

Hole Diameter: 7.88 inches Hole Condition: Fair

Outside

KB to GR/CF:

Serial #: 8700

Press@RunDepth:

psig @

3317.00 ft (KB)

Capacity: Last Calib.: 8000.00 psig

Start Date: 2013.09.30 End Date: 2013.09.30

Time On Btm:

2013.09.30

Start Time:

Interval:

10:15:58

End Time:

16:51:52

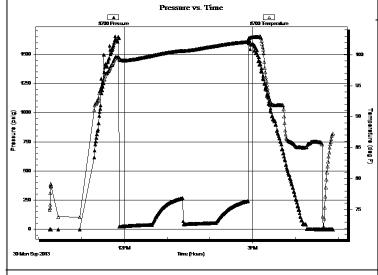
Time Off Btm:

TEST COMMENT: 45-IFP-wk to strg in 20 min

45-ISIP-no bl

45-FFP-strg bl in 1 min

45FSIP-no bl



|--|

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	

Recovery

Length (ft)	Description	Volume (bbl)
0.00	850'GIP	0.00
75.00	SGCM 5%G95%M w/show of oil	1.05

Gas Rates

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

Printed: 2013.10.03 @ 10:20:41 Trilobite Testing, Inc. Ref. No: 54820



TOOL DIAGRAM

TDI Inc

9-15s-18w Ellis, KS

1310 Bison Rd Hays KS 67601-9696 Munsch #7

Job Ticket: 54820

DST#: 1

ATTN: Tom Denning-Herb Dei

Test Start: 2013.09.30 @ 10:16:00

Tool Information

Drill Pipe: Length: 3313.00 ft Diameter: Heavy Wt. Pipe: Length: Drill Collar: Length:

0.00 ft Diameter: 0.00 ft Diameter: 3.80 inches Volume: 46.47 bbl 0.00 inches Volume: 0.00 inches Volume:

Total Volume:

0.00 bbl 0.00 bbl 46.47 bbl

Tool Weight: 2200.00 lb Weight set on Packer: 25000.00 lb Weight to Pull Loose: 50000.00 lb

Tool Chased 0.00 ft String Weight: Initial 36000.00 lb

> Final 37000.00 lb

Drill Pipe Above KB: 32.00 ft Depth to Top Packer: 3302.00 ft

Depth to Bottom Packer: ft Interval between Packers: 53.00 ft 74.00 ft Tool Length:

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			3282.00		
Shut In Tool	5.00			3287.00		
Hydraulic tool	5.00			3292.00		
Packer	5.00			3297.00	21.00	Bottom Of Top Packer
Packer	5.00			3302.00		
Stubb	1.00			3303.00		
Perforations	14.00			3317.00		
Recorder	0.00	8369	Inside	3317.00		
Recorder	0.00	8700	Outside	3317.00		
Blank Spacing	33.00			3350.00		
Bullnose	5.00			3355.00	53.00	Bottom Packers & Anchor

Total Tool Length: 74.00

Printed: 2013.10.03 @ 10:20:42 Trilobite Testing, Inc Ref. No: 54820



FLUID SUMMARY

TDI Inc

9-15s-18w Ellis, KS

1310 Bison Rd Hays KS 67601-9696 Munsch #7

lab Talasta 5

Job Ticket: 54820

DST#:1

ATTN: Tom Denning-Herb Dei

Test Start: 2013.09.30 @ 10:16:00

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil A Pl:deg A PlMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Viscosity: 53.00 sec/qt Cushion Volume: bbl

Water Loss: 7.19 in³ Gas Cushion Type:

Resistivity: ohm.m Gas Cushion Pressure: psig

Salinity: 4300.00 ppm Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
0.00	850'GIP	0.000
75.00	SGCM 5%G95%M w/show of oil	1.052

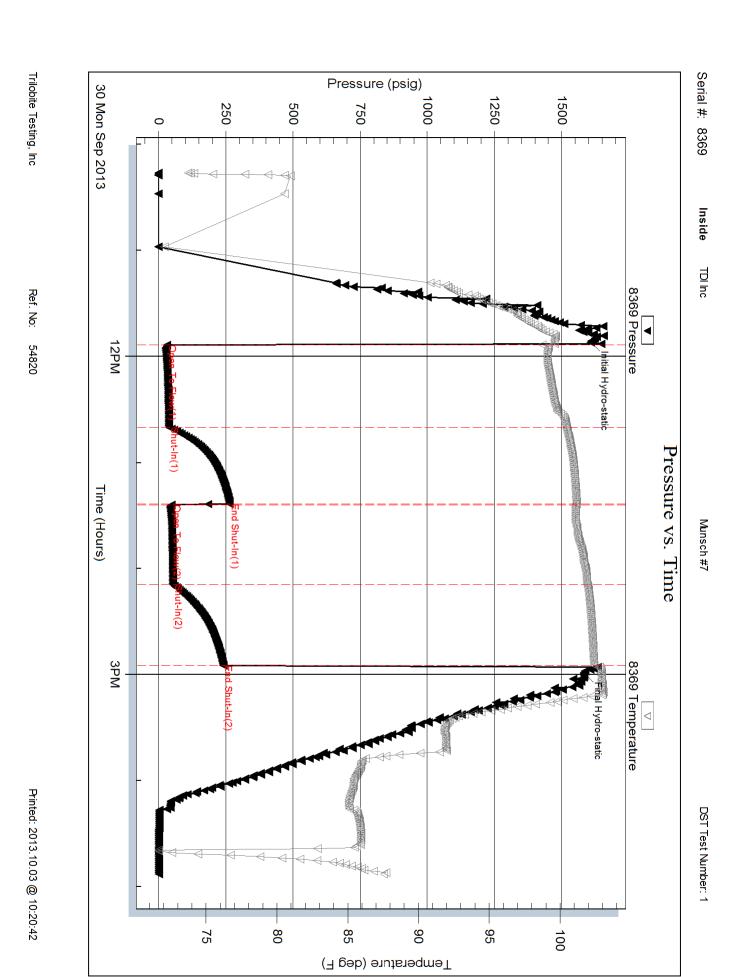
Total Length: 75.00 ft Total Volume: 1.052 bbl

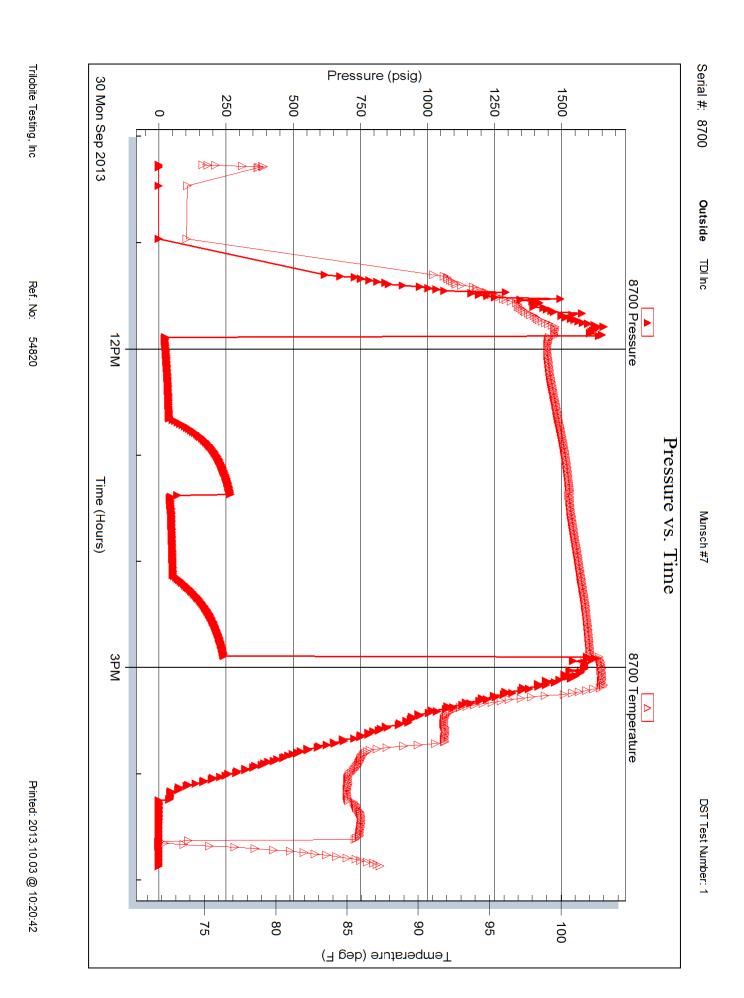
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 54820 Printed: 2013.10.03 @ 10:20:42







Test Ticket

54820 NO.

4/10					
Well Name & No. Munsch #	7	Test No	/ -	Date 9-3	0-13
Company TOI Inc.		Elevation	2039	KB 2 03	29 GL
Address 1310 Bison Rd	HAUS K	67601 - 96	96		
Co. Rep / Geo. Herh / April		Rig 504	Thwind	101	
Location: Sec. 9 Twp. 15	Rge18 W	co. EU		State K	7
Interval Tested 3302-3355		LKC A-	<u> </u>		
Anchor Length53	Drill Pipe Run		Mu	d Wt9.	2
Top Packer Depth 3297				54	
Bottom Packer Depth 3302	Wt. Pipe Run_			7.	2
Total Depth		4300 ppm		M /#	
Blow Description IFP - Weak				•	
	Low				
FFP- STRONG	A .	mid)			
FSTP-NOBL					
Rec 850 Feet of GIP	5 00	%gas	%oil	%water	%mud
Rec 25 Feet of 56CM		5 %gas	%oil	%water	95%mud
Rec Feet of W/Sh	owolail	%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Feet of		%gas	%oil	%water	%mud
Rec Total 35 BHT 102	Gravity	Charles of Real Property and the second		nlorides	ppm
(A) Initial Hydrostatic 1667				ion 090	
(B) First Initial Flow 32				101	5
(C) First Final Flow 39			T-Open	115	5
(D) Initial Shut-In 264	☐ Circ Sub		T-Pulled	145	5
(E) Second Initial Flow 47	☐ Hourly Standby		T-Out	165	3
(F) Second Final Flow 53	Mileage 22		Comments	1	
(G) Final Shut-In 24/		00.20	Loaded	Tool, /A	m 10-2-1
(H) Final Hydrostatic 1583				S 200 D S 200 PQ	
(n) Final Hydrostatic				Shale Packer_	
latital Coop 4.5			- Hamee	Packer	
Initial Open				Copies	
UZ.			_	800	
116		d 8h		018.20	
Final Shut-In			MP/DST I	Disc't	7/ 0
	Sub Total 1218		0/	1	HANC
Approved By	0	our Representative	#4 Ichi	UAQUI	Ton

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

OPERATOR

Company: TDI, INC

Address: 1310 BISON ROAD HAYS, KANSAS 67601

Contact Geologist: TOM DENNING
Contact Phone Nbr: 785-628-2593
Well Name: MUNSCH # 7

Location: NW NE SE SE Sec.9-15s-18w API: 15-051-26,589-00-00 Pool: INFIELD Field: SCHOENCHEN

State: KANSAS Country: USA



HAYS, KANSAS 67601 (785) 628-2593

Scale 1:240 Imperial

Well Name: MUNSCH # 7

Surface Location: NW NE SE SE Sec.9-15s-18w

Bottom Location: API:

15-051-26,589-00-00

License Number: 4787
Spud Date: 9/26/2013
Region: ELLIS COUNTY

ELLIS COUNTY 10/1/2013 Time: 4:45 PM

6:00 PM

38.7584877

Time:

Drilling Completed: 10/1/2013 Surface Coordinates: 1290' FSL & 605' FEL

Bottom Hole Coordinates:

Ground Elevation: 2029.00ft
K.B. Elevation: 2039.00ft

Logged Interval: 2900.00ft To: 3750.00ft

Total Depth: 3750.00ft Formation: ARBUCKLE

Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

SURFACE CO-ORDINATES

Well Type: Vertical
Longitude: -99.3211198 Latitude:

N/S Co-ord: 1290' FSL E/W Co-ord: 605' FEL

LOGGED BY



Company: SOLUTIONS CONSULTING, INC.

Address: 108 W 35TH

HAYS, KS 67601

Phone Nbr: (785) 639-1337

Logged By: Geologist Name: HERB DEINES

CONTRACTOR

Contractor: SOUTHWIND DRILLING, INC.

Rig #:

Rig Type: MUD ROTARY

 Spud Date:
 9/26/2013
 Time:
 6:00 PM

 TD Date:
 10/1/2013
 Time:
 4:45 PM

 Rig Release:
 10/2/2013
 Time:
 11:00 AM

ELEVATIONS

K.B. Elevation: 2039.00ft Ground Elevation: 2029.00ft

K.B. to Ground: 10.00ft

NOTES

RECOMMENDATION TO RUN PRODUCTION CASING BASED ON FAVORABLE ARBUCKLE STRUCTURE AND LOG ANALYSIS.

OPEN HOLE LOGGING BY PIONEER ENERGY SERVICES: DUAL INDUCTION LOG, DUAL COMPENSATED POROSITY LOG, MICRORESISTIVITY LOG

DRILL STEM TESTING BY TRILOBITE TESTING INC: ONE (1) CONVENTIONAL TEST

FORMATION TOPS SUMMARY AND CHRONOLOGY OF DAILY ACTIVITY

 MUNSCH #7
 MUNSCH #3

 NW NE SE SE
 SW NE NE SE

 Sec. 9-15s-18w
 Sec. 9-15s-18w

 2029' GL 2039' KB
 Reference Well

FORMATION	SAMPLE TOPS	LOG TOPS	LOG TOPS
Anhydrite	1209+830	1208+831	+ 8 3 5
B-Anhydrite	1246+ 793	1244+ 795	+ 798
Topeka	2997- 958	2996- 957	<i>- 962</i>
Heebner Shale	3276-1237	3275-1236	-1240
Toronto	3294-1255	3294-1255	-1257
LKC	3321-1282	3320-1281	-1287
ВКС	3544-1505	3544-1505	-1512
Arbuckle	3608-1569	3605-1566	-1588
RTD	3750-1711		
LTD		3752-1713	-1701

SUMMARY OF DAILY ACTIVITY

09-26-13	RU, spud 6:00PM, set 8 5/8" to 212' w/ 150 sxs Common, 2%Gel,
	3%CC, plug down 11:59PM, WOC 8 hrs, slope 1/2 degree

09-27-13 217', WOC, drill plug 8:00 AM

09-28-13 1765', drilling

09-29-13 2720', drilling, displace 2666'-2689'

09-30-13 3355', drilling, CFS 3355' DST # 1 3302'-3355' "A"-"C" LKC

3503', drilling, RTD 3750'@4:42PM, CCH, TOWB, logs 10-01-13

10-02-13 3750', LDDP, run production casing and cement, RD

DST # 1 TEST SUMMARY



DRILL STEM TEST REPORT

9-15s-18w Ellis

1310 Bison Rd Munsch #7 Hays Ks 67601-9696

Job Ticket: 54820 Test Start: 2013.09.30 @ 10:16:00

ATTN: Tom Denning-Herb Dei

GENERAL INFORMATION:

LKC A-C Deviated: Whipstock: ft (KB) Test Type: Conventional Bottom Hole (Initial)

Time Tool Opened: 11:53:25 Tester: Ray Schwager

70 Time Test Ended: 16:53:09 Unit No: Interval: 3302.00 ft (KB) To 3355.00 ft (KB) (TVD) Reference Bevations: 2039.00 ft (KB)

Total Depth: 3355.00 ft (KB) (TVD) 2029.00 ft (CF) 10.00 ft Hole Diameter: 7.85 inchesHole Condition: Fair KB to GR/CF:

Serial #: 8369

53.49 psig @ 3317.00 ft (KB) 8000.00 psig Press@RunDepth: Capacity: 2013.09.30 Start Date: 2013.09.30 2013.09.30 End Date: Last Calib .: 2013.09.30 @ 11:51:55 10:16:00 End Time: 16:53:09 Time On Btm: Start Time: 2013.09.30 @ 14:59:24 Time Off Btm:

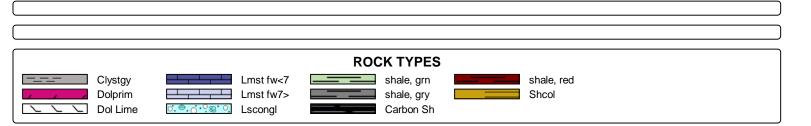
TEST COMMENT: 45-IFP-wkto strg in 20 min 45-ISIP-no bl 45-FFP-strg bl in 1 min

45FSIP-no bl

Pressure vs. Time			PI	RESSUR	RESUMMARY
S30 Pressure	5300 Temperature	Time	Pressure	Temp	Annotation
		(Min.)	(psig)	(deg F)	
****	100	0	1607.53	99.61	Initial Hydro-static
	1	2	32.21	98.73	Open To Flow (1)
220	1 %	48	39.30	100.45	Shut-In(1)
		92	264.54	101.16	End Shut-In(1)
G 9000	¥ ; 1 m 3	92	47.85	101.10	Open To Flow (2)
1 m		137	53.49	101.90	Shut-In(2)
	1 1 2	183	241.01	102.39	End Shut-In(2)
900	¥ # 3	188	1583.26	102.93	Final Hydro-static
2	1.				
* /					
• • • • • • • • • • • • • • • • • • • •					
30 Mon Sep 2013 Time (Hours)	374				

Recovery			Gas Rates					
otion	Volume (bbl)				Choke (in	nches)	Pressure (psig)	Gas Rate (Mcf/c
	0.00							•
lw/show of oil	1.05							
	\bot							
	+							
	/Iw/show of oil	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Trilobite Testing, Inc Ref. No: 54820 Printed: 2013.09.30 @ 22:51:02



ACCESSORIES

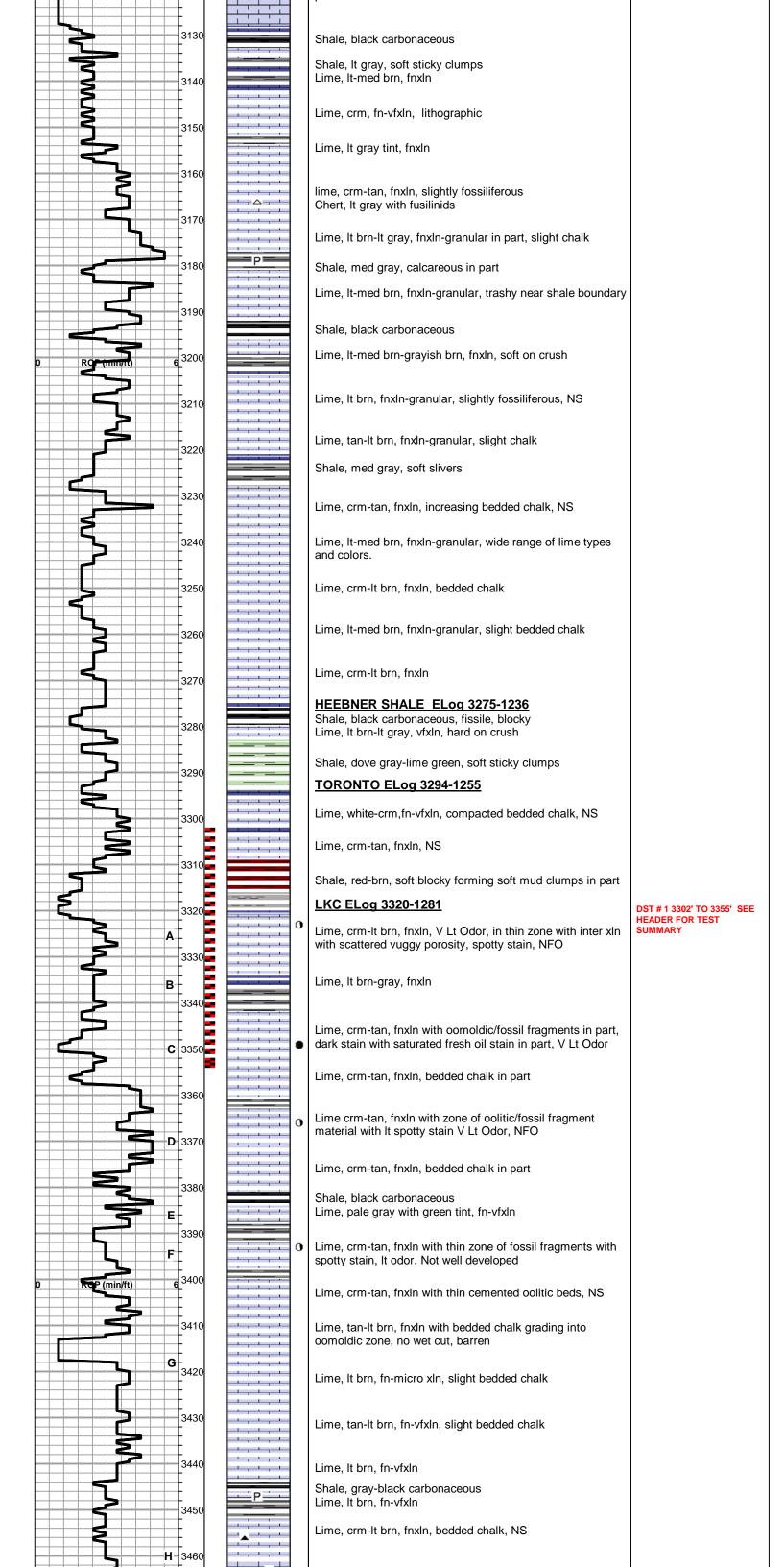
MINERAL

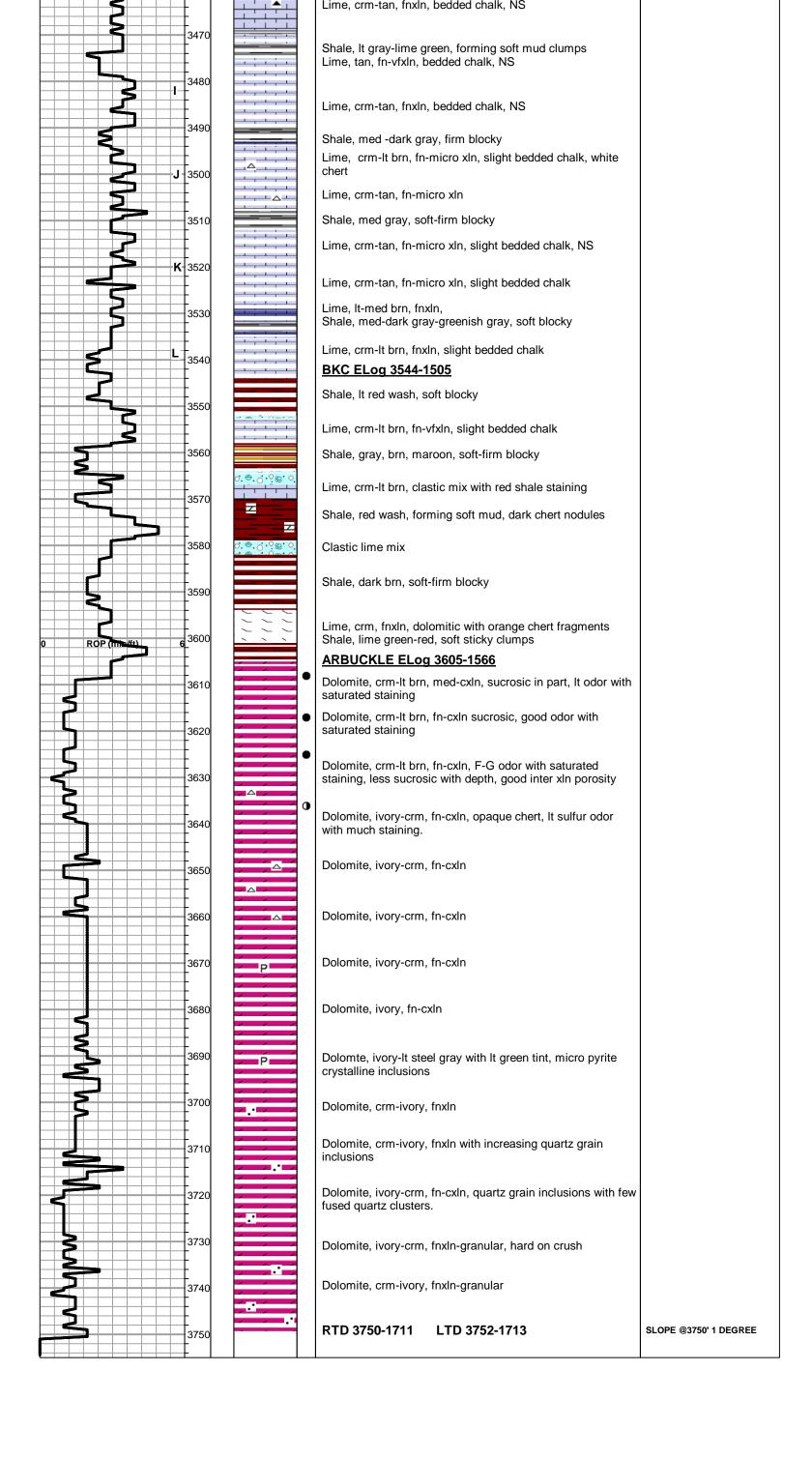
- ▲ Chert, dark
- ✓ Nodules
- P Pyrite

Printed by GEOstrip VC Striplog version 4.0.7.0 (www.grsi.ca) Curve Track #1 Curve Track #3 ROP (min/ft) Depth | Intervals Oil Show DST Geological Descriptions Cored Interval 1:240 Imperial ROP (min/ft) 8 5/8" SURFACE CASING SET 2900 BEGIN 1' DRILL TIME FROM 2900' TO RTD TO 212' W/ 150 SXS COMMON 2%GEL 3%CC BEGIN 10' WET AND DRY SAMPLES FROM 3000' TO **SLOPE @217' 1/2 DEGREE** 2910 **ANHYDRITE TOP 1208+831 ANHYDRITE BASE 1244+795** 2920 2930 2940 2950 2960 Lime, It-med brn, fnxln, slightly fossiliferous 2970 2980 Shale, It-med gray, soft blocky with sticky clumps in part 2990 **TOPEKA ELog 2996-957** 3000 ROP (min/ft) Lime, It brn, fnxln-granular, soft on crush, sli chalk, slightly fossiliferous 3010 Lime, It brn-It grayish brn, granular, soft on crush 3020 Lime It-med brn-grayish brn, fnxln, soft on crush, slight chalk, fusulinids 3030 Lime, It-med brn-med grayish brn, fnxln, bedded chalk ----3040 ___ Lime, It-med brn, fnxln, slight bedded chalk ___ 3050 ____ Lime, It brn, granular, NS ___ ___ Lime, tan-lt brn, fnxln 3060 Lime, It-med brn-grayish brn, fnxln, pyritic 3070 ---Lime, It-med brn, fnxln, slight bedded chalk ____ 3080 Lime, It brn, fnxln-granular, slight bedded chalk ____ 3090 ___ Lime, It-med brn, fnxln-granular, slight bedded chalk ___ 3100 ____ Lime, It-med brn with soft gray fossil casts, sticky clumps of ___ chalk in part 3110 ___

Lime, It-med brn, granular, with sticly clumps of chalk in

3120





QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Home Office P.O. Box 32 Russell, KS 67665 Phone 785-483-2025 Cell 785-324-1041 -On Location Job Start Finish Sec. Twp. Range Called Out Date County State Well No. Lease Contractor Owner To Quality Oilwell Cementing, Inc. Type Job You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. T.D. Hole Size Charge To Csg Depth Depth Tbg. Size Street Depth City State **Drill Pipe** The above was done to satisfaction and supervision of owner agent or contractor. Depth Tool Cement Left in Csg Shoe Joint Press Max Minimum Displace Meas Line Perf. Amount Ordered **EQUIPMENT** Cementer No. Consisting of Pumptrk Helper Driver No. Common Bulktrk Driver No. Driver Poz. Mix Driver JOB SERVICES & REMARKS Gel. Pumptrk Charge Chloride Hulls Mileage Salt Footage Total Flowseal Remarks: Sales Tax Handling Sub Total Total Floating Equipment & Plugs Squeeze Manifold Rotating Head Tax Discount

Total Charge

X Signature

TOMER	TOI	· · · · · · · · · · · · · · · · · · ·	WELL NO. 7			LEASE	32 2	JOB TYPE TWO STELL TICKET NO. 25206
HART		RATE	VOLUME	PUM	PS	Myn	100000000000000000000000000000000000000	JOB TYPE Sty Two Strac TICKET NO. 25206
NO.	TIME	(BPM)	VQLUME (BBL) (CAL)	Ť	С	TUBING	CASING	DESCRIPTION OF OPERATION AND MATERIALS
	0730							on location
					 			
					ļ			TD 3751 SJ 42
-		<u> </u>						TP 3547 Insert 3705
					<u> </u>			DV 20 60 1195'
								centralities 1,3,5,6,8,10,12,59
								Baskers 3,13,60,75
	0930							Start Casing
	1100							Orop Ball Break Corculation Rotate
	1205	5	12		,		300	Start Mud Flosi
		5	20		~		300	Start Kel Flush
	1215	3	36		1		200	Start FA-2 (ement 150 sks
	1225							Drog Play
								wash out from thines
	1226	6.5					200	Start Displacement
			70		~		201	Start 190 L Fligh
	1240		90.4		4	7	150	land Plug
	1245							Orap upen flag
	1250		1/5					Plug RH 30sts MH 2d sky
	1305				~		llov	Open DV
	1306	5	59		1			Start Smo 125@ 11.7 /501
			1		4			Bring weight up to 13.5 1/941
								wish out Phip + Lines
\dashv	1330							Dorp Closing Plug
-			 				100	Start Displacement
	1345		29.1				1520	I and Play
			-					Close OV
-					_			
_		 			\dashv			Corculated 15 sks to pet
					\perp			
_								west up Rach up
;	430							Joy Complete
		···						thank You
								Josh, Bring Isage