KOLAR Document ID: 1384283

Confidentiality Requested:

Yes No

Kansas Corporation Commission Oil & Gas Conservation Division

Form ACO-1
January 2018
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.:
Name:	Spot Description:
Address 1:	
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. xxx.xxxxx) (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 □ SWD	Producing Formation:
Gas DH EOR	Elevation: Ground: Kelly Bushing:
	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	Amount of Surface Pipe Set and Cemented at: Feet
Cathodic Other (Core, Expl., etc.):	Multiple Stage Cementing Collar Used? ☐ Yes ☐ No
If Workover/Re-entry: Old Well Info as follows:	If yes, show depth set: Feet
Operator:	If Alternate II completion, cement circulated from:
Well Name:	feet depth to:w/sx cmt.
Original Comp. Date: Original Total Depth:	
☐ Deepening ☐ Re-perf. ☐ Conv. to EOR ☐ Conv. to SWD	Drilling Fluid Management Plan
☐ Plug Back ☐ Liner ☐ Conv. to GSW ☐ Conv. to Producer	(Data must be collected from the Reserve Pit)
	Chloride content: ppm Fluid volume: bbls
Commingled Permit #:	Dewatering method used:
☐ Dual Completion Permit #:	Location of fluid disposal if bouled affeits.
EOR Permit #:	Location of fluid disposal if hauled offsite:
GSW Permit #:	Operator Name:
	Lease Name: License #:
Spud Date or Date Reached TD Completion Date or	Quarter Sec TwpS. R
Recompletion Date Recompletion Date	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 Drill Stem Tests Received					
Geologist Report / Mud Logs Received					
UIC Distribution					
ALT I II III Approved by: Date:					

KOLAR Document ID: 1384283

Page Two

Operator Name: _				Lease Name:			Well #:	
Sec Twp.	S. R.	E	ast West	County:				
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No					
		B	CASING eport all strings set-c		New Used	ion, etc.		
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD			
Purpose:		epth T Bottom	ype of Cement	# Sacks Used		Type and F	Percent Additives	
Perforate Protect Casi Plug Back T								
Plug Off Zor								
Did you perform a Does the volume Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity
DISPOS	SITION OF GAS:		N	METHOD OF COMP	LETION:			DN INTERVAL: Bottom
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT
,	,			B.11 B1				
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:				
TODING RECORD:	. 3126.	Set	n.	i donei Al.				

Form	ACO1 - Well Completion			
Operator	TDI, Inc.			
Well Name	STAAB 2			
Doc ID	1384283			

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	217	60/40 Poz	150	2% gel, 3% cc
Production	7.875	5.5	14	3747	EA-2	150	None

9-15s-18w Ellis,KS



DRILL STEM TEST REPORT

Prepared For: TDI, Inc

1310 Bison Rd Hays KS 67601-9696

ATTN: Tom Denning, Herb De

Staab #2

9-15s-18w Ellis, KS

Start Date: 2017.11.21 @ 20:35:10 End Date: 2017.11.22 @ 02:52:04 Job Ticket #: 63231 DST #: 1

Trilobite Testing, Inc

1515 Commerce Parkway Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620



TDI, Inc

9-15s-18w Ellis, KS

1310 Bison Rd Hays KS 67601-9696 Staab #2

Job Ticket: 63231

DST#: 1

ATTN: Tom Denning, Herb De

Test Start: 2017.11.21 @ 20:35:10

GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 22:44:20 Time Test Ended: 02:52:04

Unit No:

Ray Schwager

3552.00 ft (KB) To 3630.00 ft (KB) (TVD)

Reference Elevations:

2035.00 ft (KB)

Total Depth: 3630.00 ft (KB) (TVD)

2025.00 ft (CF)

Hole Diameter:

KB to GR/CF: 10.00 ft

7.88 inches Hole Condition: Fair

Inside

Serial #: 8360

Press@RunDepth:

95.22 psig @

3562.00 ft (KB)

2017.11.22

Capacity: Last Calib.:

Tester:

8000.00 psig

2017.11.22

Start Date: Start Time:

Interval:

2017.11.21 20:35:10 End Date: End Time:

02:52:04

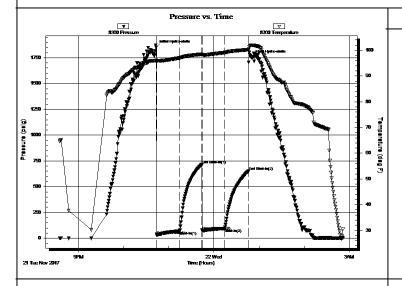
Time On Btm: 2017.11.21 @ 22:43:20

2017.11.22 @ 00:51:05 Time Off Btm:

TEST COMMENT: 30-IFP-BOB in 12 min

30-ISIP-1/4" bl bk

30-FFP-wk to BOB in 22 min 30-FSIP-surface bl bk



PRESSURE SUMMARY

Time	Pressure	Temp	Annotation
(Min.)	(psig)	(deg F)	
0	1852.23	96.14	Initial Hydro-static
1	31.70	95.83	Open To Flow (1)
32	69.60	97.01	Shut-In(1)
61	716.46	98.46	End Shut-In(1)
61	75.58	98.25	Open To Flow (2)
91	95.22	99.07	Shut-In(2)
123	652.16	100.19	End Shut-In(2)
128	1753.13	101.95	Final Hydro-static

Recovery

Description	Volume (bbl)
135' GIP	0.00
co	0.56
MGO 10%G40%M50%O	1.01
HO&GCM 10%G40%O50%M	0.87
	135' GIP CO MGO 10%G40%M50%O

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mct/d)
----------------	-----------------	------------------

Printed: 2017.11.22 @ 08:30:04 Trilobite Testing, Inc. Ref. No: 63231



TDI, Inc

9-15s-18w Ellis, KS

1310 Bison Rd Hays KS 67601-9696 Staab #2

Job Ticket: 63231

DST#: 1

ATTN: Tom Denning, Herb De

Test Start: 2017.11.21 @ 20:35:10

GENERAL INFORMATION:

Formation: **Arbuckle**

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

Time Tool Opened: 22:44:20 Time Test Ended: 02:52:04 Tester:

Unit No:

Ray Schwager

3552.00 ft (KB) To 3630.00 ft (KB) (TVD)

Reference Elevations:

2035.00 ft (KB) 2025.00 ft (CF)

Total Depth: 3630.00 ft (KB) (TVD)

KB to GR/CF:

10.00 ft

Hole Diameter: 7.88 inches Hole Condition: Fair

Serial #: 8673 Press@RunDepth: Outside

psig @

3562.00 ft (KB)

Capacity: Last Calib.: 8000.00 psig

Start Date:

2017.11.21

End Date:

2017.11.22 02:52:50

Time On Btm:

2017.11.22

Start Time:

Interval:

20:35:56

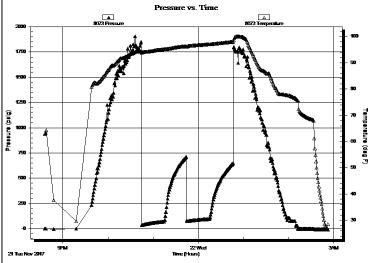
End Time:

Time Off Btm:

TEST COMMENT: 30-IFP-BOB in 12 min

30-ISIP-1/4" bl bk

30-FFP-wk to BOB in 22 min 30-FSIP-surface bl bk



PRESSURE SUMMARY

Ī	Time (Min.)	Pressure	Temp (deg F)	Annotation
	(101111.)	(psig)	(deg r)	
i				
,				

Recovery

Length (ft)	Description	Volume (bbl)
0.00	135' GIP	0.00
40.00	∞	0.56
72.00	MGO 10%G40%M50%O	1.01
62.00	HO&GCM 10%G40%O50%M	0.87

Gas Rates

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

Printed: 2017.11.22 @ 08:30:04 Trilobite Testing, Inc. Ref. No: 63231



TOOL DIAGRAM

TDI, Inc

9-15s-18w Ellis, KS

1310 Bison Rd Hays KS 67601-9696 Staab #2

Job Ticket: 63231

DST#: 1

ATTN: Tom Denning, Herb De

Test Start: 2017.11.21 @ 20:35:10

Tool Information

Drill Pipe: Length: 3556.00 ft Diameter: Heavy Wt. Pipe: Length: 0.00 ft Diameter: Drill Collar: Length: 0.00 ft Diameter:

3.80 inches Volume: 49.88 bbl 0.00 inches Volume: 0.00 bbl 0.00 inches Volume: 0.00 bbl

Total Volume:

49.88 bbl

Tool Weight: 2200.00 lb Weight set on Packer: 25000.00 lb Weight to Pull Loose: 60000.00 lb

Drill Pipe Above KB: 25.00 ft
Depth to Top Packer: 3552.00 ft

Tool Chased 0.00 ft
String Weight: Initial 45000.00 lb
Final 47000.00 lb

Depth to Bottom Packer: ft
Interval between Packers: 78.00 ft
Tool Length: 99.00 ft

0.00 ft 2 Diameter: 6.75 inches

Tool Comments:

Number of Packers:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
Change Over Sub	1.00			3532.00		
Shut In Tool	5.00			3537.00		
Hydraulic tool	5.00			3542.00		
Packer	5.00			3547.00	21.00	Bottom Of Top Packer
Packer	5.00			3552.00		
Stubb	1.00			3553.00		
Perforations	9.00			3562.00		
Recorder	0.00	8360	Inside	3562.00		
Recorder	0.00	8673	Outside	3562.00		
Blank Spacing	65.00			3627.00		
Bullnose	3.00			3630.00	78.00	Bottom Packers & Anchor

Total Tool Length: 99.00

Trilobite Testing, Inc Ref. No: 63231 Printed: 2017.11.22 @ 08:30:05



FLUID SUMMARY

TDI, Inc

9-15s-18w Ellis, KS

1310 Bison Rd Hays KS 67601-9696 Staab #2

Job Ticket: 63231

DST#: 1

ATTN: Tom Denning, Herb De

Test Start: 2017.11.21 @ 20:35:10

Mud and Cushion Information

Mud Type:Gel ChemCushion Type:Oil API:29 deg APIMud Weight:9.00 lb/galCushion Length:ftWater Salinity:ppm

Mud Weight:9.00 lb/galCushion Length:ftViscosity:68.00 sec/qtCushion Volume:bbl

6.79 in³ Gas Cushion Type:

ohm.m Gas Cushion Pressure: psig

Salinity: 5400.00 ppm Filter Cake: 1.00 inches

Recovery Information

Water Loss:

Resistivity:

Recovery Table

Length ft	Description	Volume bbl
0.00	135' GIP	0.000
40.00	CO	0.561
72.00	MGO 10% G40% M50% O	1.010
62.00	HO&GCM 10%G40%O50%M	0.870

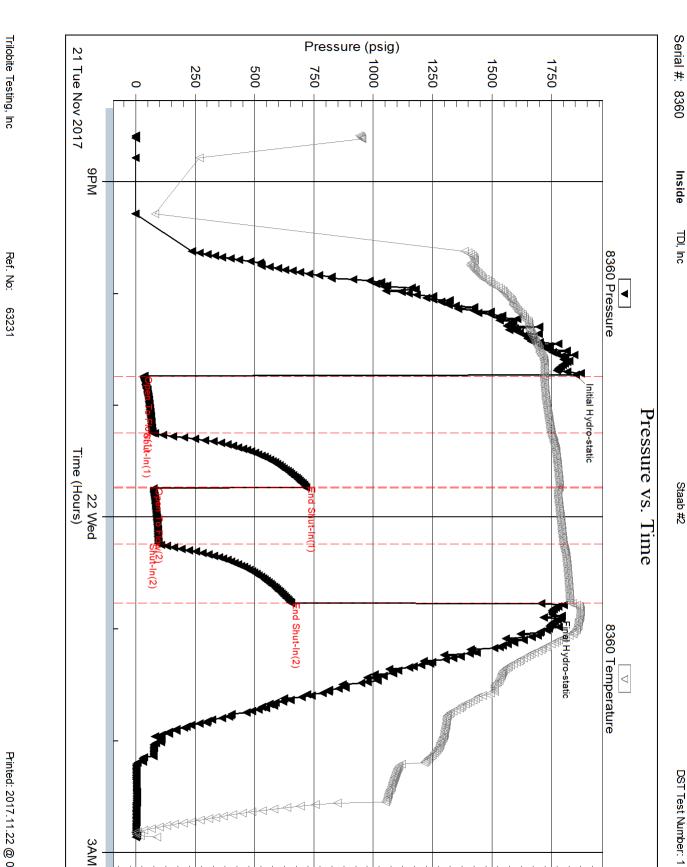
Total Length: 174.00 ft Total Volume: 2.441 bbl

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

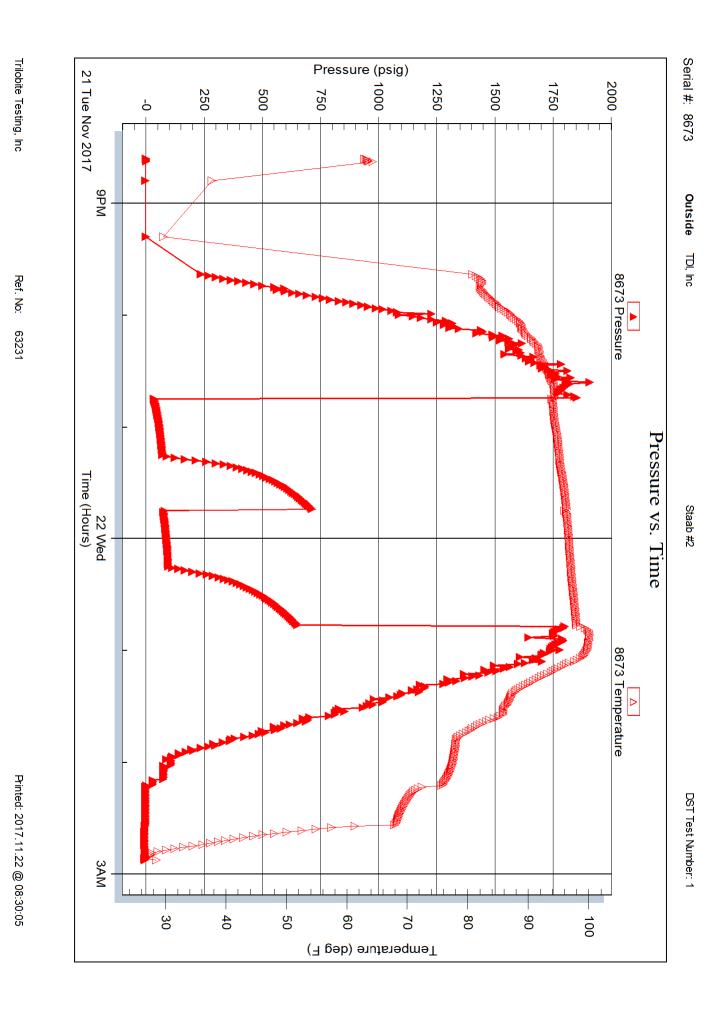
Laboratory Name: Laboratory Location:

Recovery Comments:

Trilobite Testing, Inc Ref. No: 63231 Printed: 2017.11.22 @ 08:30:05



Temperature (deg F)





RILOBITE ESTING INC.

Test Ticket

NO.

63231

1515 Commerce Parkway • Hays, Kansas 67601

Well Name & No	STAAb #2		Test No		Date <u>//- 2 /</u>	-17
Company	OI Inc		Elevation	2035	•	S GL
	O BISON RO HA	ys Ks 67601	1-9696			
Co. Rep / Geo.	,			uThwind	1198.	
Location: Sec.	9 Twp. 15 ³	_ Rge. <u>/8</u> ω	co. <i>EU</i>		State Z)
	3552-3630	Zone Tested	ARBUCKLE			
Anchor Length	78	Drill Pipe Run	<u>3556</u>		Mud Wt. 2	3
Top Packer Depth	3547	Drill Collars Rur			Vis 68	3
Bottom Packer Depth	3552	Wt. Pipe Run			WL 6.	
Total Depth	3630		5400	ppm System	LCM /#	
Blow Description	IFP-BOBIN	12 min		· · · · · · · · · · · · · · · · · · ·		
· -	ISTP- 14" Blog	o BACK				
	FFP-WeAKTO	BOBIN 22	LMIN			
J	-SIP - SURFACE	Blow BACK				
Rec <u>/35</u>	Feet of GIA		%gas	%oil	%water	%mud
Rec 40	Feet of <u>CO</u>		%gas	%oil	%water	%mud
Rec 72	Feet of MGO		/0 %gas	<u>50‰il</u>	%water	40 _{%mud}
Rec62	Feet of HO46CM		√O %gas	40 <u>‰il</u>	%water	50 %mud
Rec	Feet of		%gas	%oil	%water	%mud
Rec Total	BHT 100	_Gravity_29	_API RW	°	F Chlorides	ppm
A) Initial Hydrostatic_		Test		T-On L	ocation <u>185</u>	
B) First Initial Flow	• • • • • • • • • • • • • • • • • • • •	☐ Jars			ted	5
C) First Final Flow		☐ Safety Joint		T-Oper	·	2
D) Initial Shut-In		☐ Circ Sub	·		ed <u>0049</u>	
E) Second Initial Flov		☐ Hourly Standby			025	
F) Second Final Flow	, <u>95</u>	Mileage 24	RT 18	— Comm	nents	·
G) Final Shut-In	1	☐ Sampler			•	· · · · · · · · · · · · · · · · · · ·
H) Final Hydrostatic_	1753	☐ Straddle			uined Shale Packer_	\ .
_) _	☐ Shale Packer			uined Packer	
nitial Open		☐ Extra Packer			dra Copies	
nitial Shut-In		☐ Extra Recorder			otal O	
Final Flow	30	☐ Day Standby			1068	
Final Shut-In	1 -					
	30	☐ Accessibility		MP/D	ST Disc't	
<u></u>	<u>50</u>	Sub Total 1068			ST Disc't	

Approved By _______Our Representative A y schulage 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

1310 BISON ROAD Address:

HAYS, KANSAS 67601-9696

Contact Geologist: TOM DENNING Contact Phone Nbr: 785-628-2593 Well Name: STAAB #2

> SE SE NW SEC.9-T15S-R18W Location:

> > API: 15-051-26,893-00-00

Pool: IN FIELD Field: **DINGES** State: **KANSAS** Country: USA



Scale 1:240 Imperial

Well Name: STAAB #2

Surface Location: SE SE NW SEC.9-T15S-R18W

Bottom Location:

API: 15-051-26,893-00-00

License Number: 4787

Spud Date: 11/17/2017 Time: 4:30 PM

Region: **ELLIS COUNTY**

Drilling Completed: 11/22/2017 Time: 11:05 AM

Surface Coordinates: 2310' FNL & 2310' FWL

Bottom Hole Coordinates:

Ground Elevation: 2025.00ft K.B. Elevation: 2035.00ft

Logged Interval: 2900.00ft To: 3750.00ft

Total Depth: 3750.00ft **ARBUCKLE** Formation:

Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

SURFACE CO-ORDINATES

Well Type: Vertical Longitude: -99.3292421 Latitude: 38.763151 N/S Co-ord: 2310' FNL E/W Co-ord: 2310' FWL

LOGGED BY



Company: SOLUTIONS CONSULTING, INC.

Address: 108 W 35TH

HAYS, KS 67601

Phone Nbr: (785) 639-1337

Logged By: **GEOLOGIST** HERB DEINES Name:

CONTRACTOR

Contractor: SOUTHWIND DRILLING, INC.

Rig #:

Rig Type: **MUD ROTARY**

Spud Date: 4:30 PM 11/17/2017 Time: TD Date: 11/22/2017 Time: 11:05 AM Rig Release: 11/23/2017 Time: 5:45 AM

ELEVATIONS

K.B. Elevation: 2035.00ft Ground Elevation: 2025.00ft

K.B. to Ground: 10.00ft

NOTES

DECISION TO RUN PRODUCTION CASING BASED ON POSITIVE RESULTS OF DST # 1.

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

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

STA	AB # 2	STAAB # 1	MUNSCH # 11	
SE SI	ENW	W2 SW SE NW	SE NW NW SE	
SEC.	9-15S-18W	SEC.9-15-18W	SEC.9-15-18W	
2035	S'KB	KB 2025'	KB 2039'	
Anhydrite top	1204 +831	+ 827	+ 831	
Anhydrite base	1242 +793	+ 791	+ 797	
Topeka	3003 - 968	- 960	- 960	
Heebner Sh.	3280-1245	-1239	-1240	
Toronto	3298-1263	-1258	-1259	
LKC	3325-1290	-1287	-1285	
ВКС	3552-1517	-1516	-1513	
Arbuckle	3612-1577	-1577	-1623	
RTD	3750-1715	-1727	-1707	

SUMMARY OF DAILY ACTIVITY

RU, spud 4:30 PM, set 8 5/8" surface casing to 217' w/ 150 sxs
60/40 pos 2%gel 3%CC, slope 3/4 degree
257', drill plug 6:15 AM
1775', drilling
2830', drilling, displaced 2792'-2830'
3500', drilling, , CFS 3630', DST # 1 3552' to 3630'
3650', finish DST # 1, TIWB, RTD 3750' @11:05 AM, TOWB, logs,
LDDP
3950', finish running casing and cementing bottom and top stages



TDI, Inc 9-15s-18w Ellis

1310 Bison Rd Staab #2 Hays Ks 67601-9696

Job Ticket: 63231 Test Start: 2017.11.21 @ 20:35:10 ATTN: Tom Denning, Herb De

GENERAL INFORMATION:

Formation: Arbuckle

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

Time Tool Opened: 22:44:20 Tester: Ray Schwager

Time Test Ended: 02:52:04 Unit No:

2035.00 ft (KB) Interval: 3552.00 ft (KB) To 3630.00 ft (KB) (TVD) Reference Elevations:

Total Depth: 3630.00 ft (KB) (TVD) 2025.00 ft (CF)

7.85 inchesHole Condition: Fair KB to GR/CF: 10.00 ft Hole Diameter:

Serial #: 8360 Inside

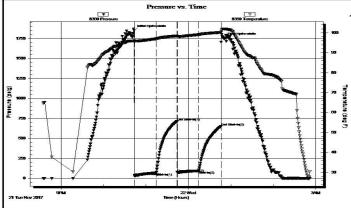
8000.00 psig Press@RunDepth: 95.22 psig @ 3562.00 ft (KB) Capacity:

2017.11.22 Start Date: 2017.11.21 End Date: Last Calib.: 2017.11.22 Start Time: 20:35:10 End Time: 02:52:04 Time On Btm: 2017.11.21 @ 22:43:20 Time Off Btm: 2017.11.22 @ 00:51:05

TEST COMMENT: 30-IFP-BOB in 12 min

30-ISIP-1/4"bl bk

30-FFP-w k to BOB in 22 min 30-FSIP-surface bl bk



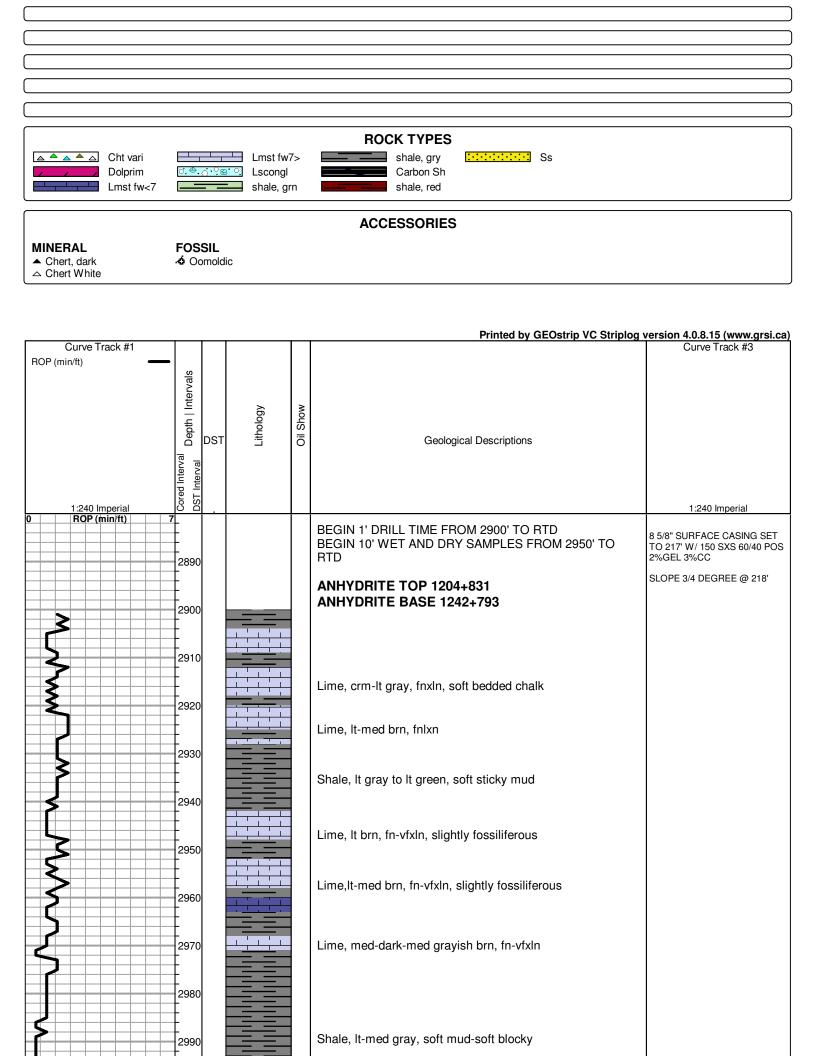
	PRESSURE SUMMARY					
1	Time	Pressure	Temp	Annotation		
•	(Min.)	(psig)	(deg F)			
	0	1852.23	96.14	Initial Hydro-static		
6	1	31.70	95.83	Open To Flow (1)		
G.	32	69.60	97.01	Shut-ln(1)		
	61	716.46	98.46	End Shut-In(1)		
ağ	61	75.58	98.25	Open To Flow (2)		
2	91	95.22	99.07	Shut-In(2)		
Temperature (deg F)	123	652.16	100.19	End Shut-In(2)		
3	128	1753.13	101.95	Final Hydro-static		
Ü.						
e e						
8						

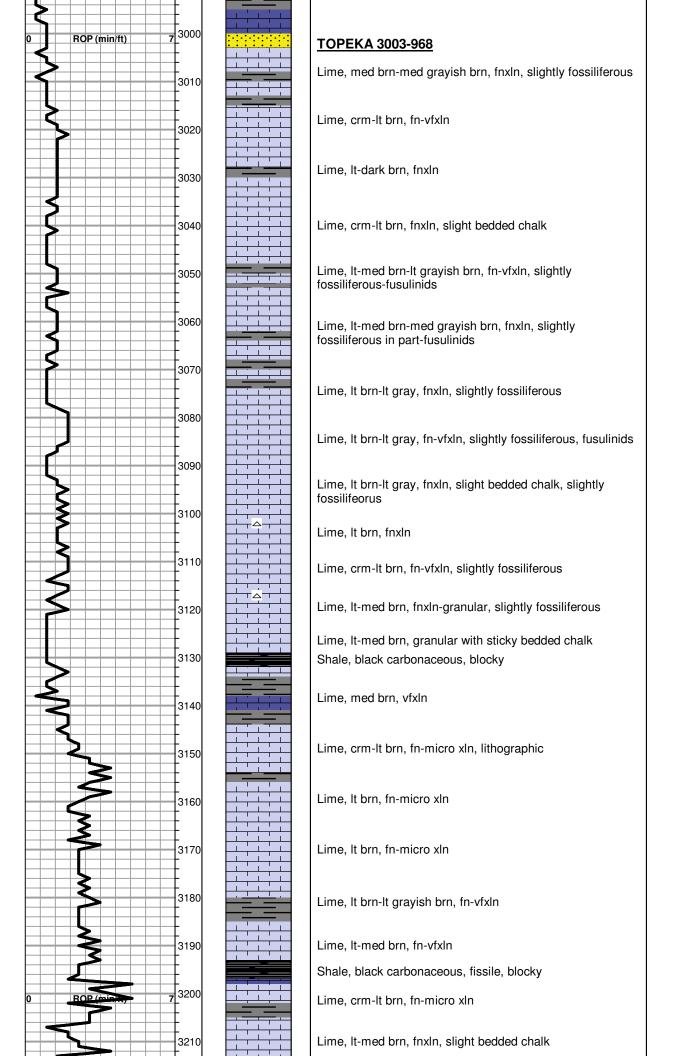
DST#: 1

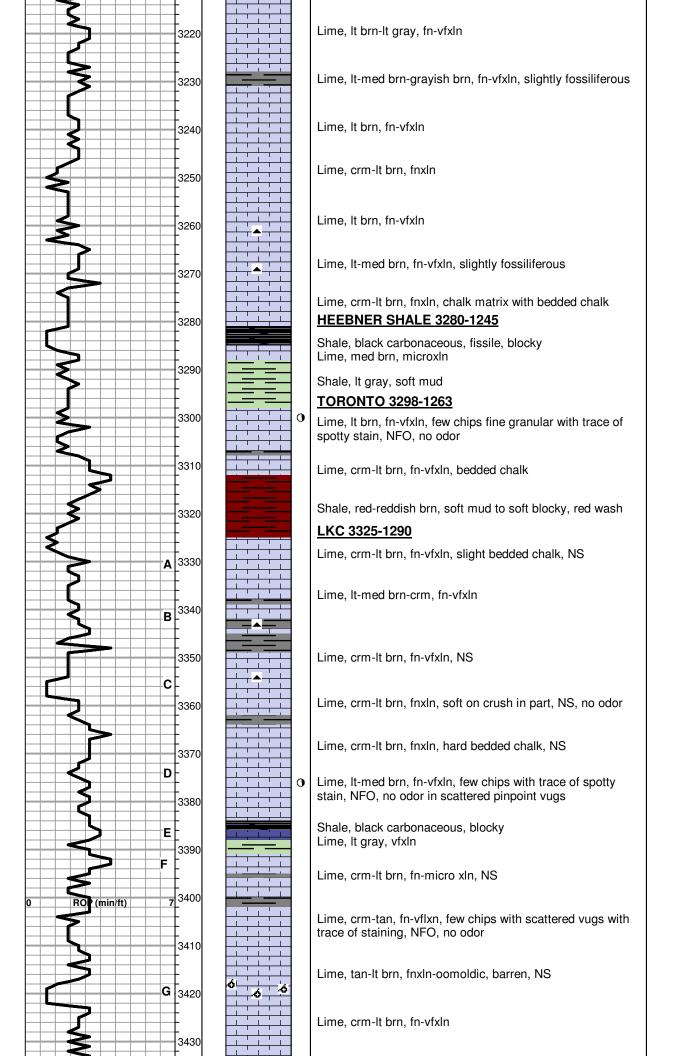
Recovery Description Length (ft) Volume (bbl) 0.00 135' GIP 0.00 40.00 0.56 1.01 72.00 MGO 10%G40%M50%O HO&GCM 10%G40%O50%M 0.87 62.00

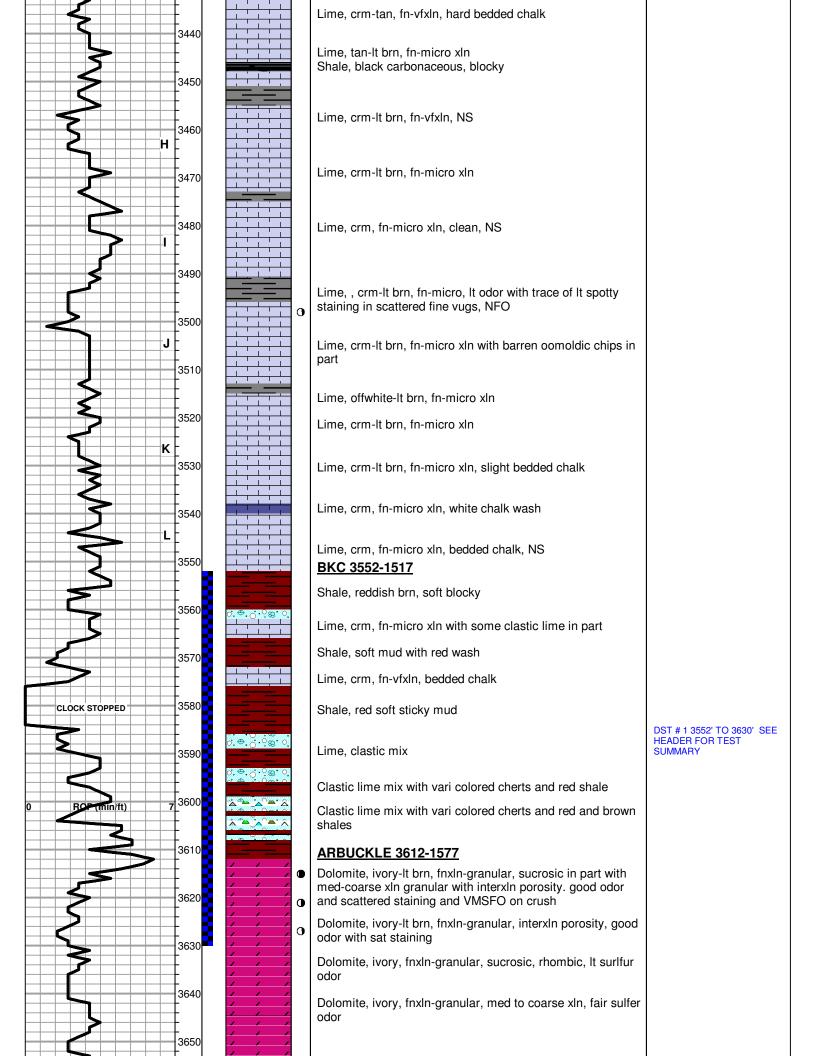
Gas Rates Choke (inches) Pressure (psig) Gas Rate (Mcf/d)

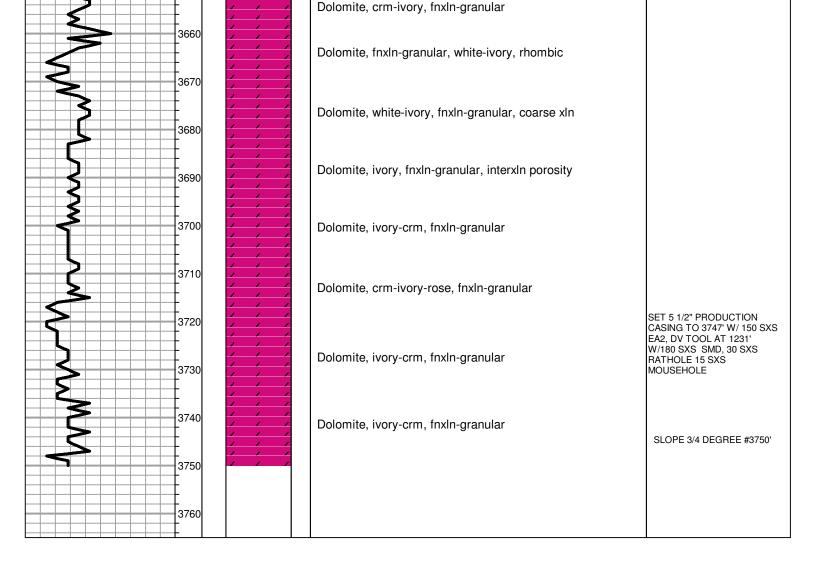
Trilobite Testing, Inc Ref. No: 63231 Printed: 2017.11.22 @ 07:14:31











GLOBAL OIL FIELD SERVICES, LLC

SERVICE POINT:

24 S. Lincoln

REMIT TO

3174

Russell, KS 67665 SEC, CALLED OUT ON LOCATION JOB START JOB FINISH RANGE 8 W DATE / 10015001 STATE COUNTY WELL#. LOCATION OLD OR NEW (CIRCLE ONE) CONTRACTOR South III OWNER TYPE OF JOB HOLE SIZE T.D. 7 CEMENT CASING SIZE DEPTH AMOUNT ORDERED TUBING SIZE DEPTH DRILL PIPE DEPTH TOOL DEPTH PRES. MAX MINIMUM COMMON (a), MEAS. LINE SHOE JOINT POZMIX (a) CEMENT LEFT IN CSG. GEL (a) PERFS CHLORIDE (a) DISPLACEMENT ASC. @ EQUIPMENT (a) @ PUMP TRUCK CEMENTER @ 400 HELPER A @ BULK TRUCK @ # 378 BULK TRUCK DRIVER @ @ DRIVER @ HANDLING @ MILEAGE TOTAL **SERVICE** Displaced **DEPTH OF JOB** PUMP TRUCK CHARGE EXTRA FOOTAGE (a) MILEAGE @ MANIFOLD @ (a) @ CHARGE TO: TOTAL STREET CITY -ZIP STATE PLUG & FLOAT EQUIPMENT Global Oil Field 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. TOTAL PRINTED NAME SALES TAX (If Any) TOTAL CHARGES SIGNATURE DISCOUNT IF PAID IN 30 DAYS

- 1	OD	1	OG	
	UD	1		

SWIFT Services. Inc.

DATE PAGE NO. 11/22/17 1

CHART THE BATE			WELL NO. LEASE #2 Staab		Ь	JOB TYPE TICKET NO. Cont Long String 30826		
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T C	PRESSU TUBING	JRE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS	
	2315				TOBING	Orioliva	On location w/Float Equipment	
							51/2" x 14 # Casing	
							RTD-3750	
							Total Pipe - 3747, 89 545	
							Baffle @ 3704.6	
							D.V. Tool - 1224, 58 # 59	
							Centralizers - 1, 3, 5, 7, 9, 11, 13, 58	
							Baskets- 1, 7, 58	
	0115		N. Barrier				Start Running Casing w/Float Equip	
	0300						Break Circ on bottom	
	0405	5	12			400		
	0410	5	20				Pump KGL Spacer	
	0415		36			400	Start Cmt, 150 SKS EA2 @ 15,5000	
	0430					Vac	Drap 1st Plng/Wash AtL	
	0435					Dac	Start Displacement	
	0443		70			800	Catch Comt	
	0447	7	9034			1000	Land Plug Lift 1000	
							Land 1500	
							Release back, Dry	
	0450						Drop D.V. Bomb	
	0455	2/2	7				Plug RH - 30 SKS SMD	
	0500	21/2	5		8		Plug MH - 15 SKS SMD	
	0505	3	5			1400	Open D. V. Tool and Pump Water	
	0510	5				400	Start (mt - 180 51/6 510)	
			85			100-	Fin Cmt	
	0530		3				Dropfing - Wash P+L	
	0535	S	15			500	Catch Gmt	
	0540		30			600	Land Plug Lift 600	
							Land 1200	
							Circ 30 SKS to pit.	
							Release Back, Dry.	
							Wash up truck	
	0600						Rackup	
							Job Complete	
							Thanks,	
							Jon, Austin, Isaac	