



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

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 #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

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: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

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: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

ROBERT E. O'DELL

Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY: Tomlinson Operating, LLC.		ELEVATIONS	
LEASE: Cleaveland #1	Wellhead #1	KB: 2124	DF: _____
LOCATION: 1650' FSL & 2310' FWL		GL: 2112	
FIELD: _____			
SEC: 2	TWSP: T2S R2E		
COUNTY: Ellis	STATE: Kansas	Measurements by All From: KB	
CONTRACTOR: Southwind Drilling Inc #70		CASING	
SPUD: 4-2-2013	COMP: 4-10-2013		
RTD: 3750	TYPE: LTD	CONDUCTOR	
MUD UP: 2900'	TYPE: MUD	SUPERFAC: 8.5lb/bbl @ 30%	
		PRODUCTION	
SAMPLES SAVED FROM: 3000' TO RTD		ELECTRICAL	
DRILLING TIME KEPT FROM: 3000' TO RTD		SURVEYS	
SAMPLES EXAMINED FROM: 3000' TO RTD		Radiation Guard w/val	
GEOLOGIST ON WELL: Bob O'Dell		Micro: Sonic	
FORMATION TOPS		ELECTRIC LOG	
Arbuckle: 1461 (+ 663)	1462 (+ 662)		
Heebner: 3349 (-1225)	3349 (-1225)		
Lansing: 3390 (-1266)	3393 (-1269)		
BKC: 3630 (-1506)	3630 (-1506)		
Arbuckle: 3671 (-1547)	3666 (-1542)		
Total Depth: 3749 (-1625)	3750 (-1626)		

REMARKS: Due to the negative drillstem tests taken in the Lansing-Kansas City and Arbuckle, decision was made to plug and abandon the #1 Cleaveland at 3750' RTD.

Respectfully submitted,

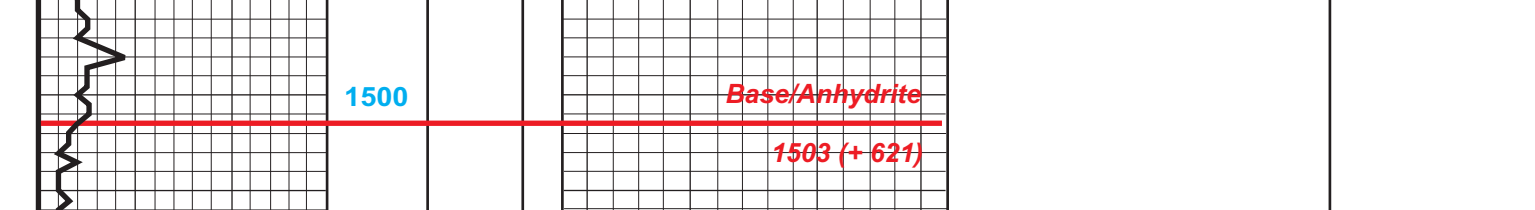
Bob O'Dell
4/10/2013

API# 15-051-26,478

LEGEND

	Anhydrite		Sandstone		Limestone		Shale		Carb Sh		Cherty LS		Chert		Dolomite
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DRILLING TIME IN MINUTES PER FOOT	DEPTH	GAS SCALE	SAMPLE DESCRIPTION	REMARKS
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1400			4/2/2013 - MDRU 4/3/2013 - 7:00 a.m. Drilling @ 715' 4/4/2013 - 7:00 a.m. Drilling @ 2070' 4/5/2013 - 7:00 a.m. Drilling @ 2990' 4/6/2013 - 7:00 a.m. Drilling @ 6-50 p.m. Drilling @ 3130' 4/7/2013 - 7:00 a.m. CF5 @ 3360' 4/8/2013 - 7:00 a.m. CF5 @ 3480' 4/9/2013 - 7:00 a.m. COOH for DST #3 @ 3674' 4/9/2013 - 7:00 a.m. CTCH for log @ 3750', 4/10/2013 - 7:00 a.m. Laying down completion plug @ 3750'	
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1500			Base/Anhydrite 1503 (+ 621)	
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3000			Lst-white, tan, f xln, granular, fossiliferous, dense, no vis porosity	
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3100			Lst-white, slightly sandy	
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3200			Shale-grey, green, black, part fossiliferous, no vis porosity	
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3300			Lst-white, f xln, v-f xln, fossiliferous, part cherty, no vis porosity	
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3400			Shale-as above	
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3500			Lst-lt grey, f xln, granular, part argillaceous, no vis porosity	
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3600			Shale-as above	
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3700			Lst-grey, brown, v-f xln, cherty, dense, no vis porosity	
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3800			Lst-tan, white, f xln, fossiliferous, scattered cherty, scattered calcitic, most dense, dense, no vis porosity	
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3900			Lst-tan, f xln, cherty, dense, no vis porosity	
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4000			Lst-white, f xln, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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4100			Lst-tan, f xln, granular, part argillaceous, no vis porosity	
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4200			Lst-white, f xln, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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4300			Lst-tan, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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4400			Lst-white, f xln, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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4500			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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4600			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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4700			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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4800			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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4900			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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5000			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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5100			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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5200			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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5300			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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5400			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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5500			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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5600			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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5700			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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5800			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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5900			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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6000			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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6100			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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6200			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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6300			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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6400			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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6500			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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6600			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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6700			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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6800			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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6900			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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7000			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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7100			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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7200			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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7300			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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7400			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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7500			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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7600			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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7700			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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7800			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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7900			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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8000			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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8100			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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8200			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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8300			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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8400			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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8500			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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8600			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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8700			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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8800			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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8900			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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9000			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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9100			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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9200			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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9300			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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9400			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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9500			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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9600			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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9700			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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9800			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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9900			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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10000			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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10100			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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10200			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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10300			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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10400			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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10500			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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10600			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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10700			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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10800			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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10900			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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11000			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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11100			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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11200			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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11300			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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11400			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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11500			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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11600			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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11700			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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11800			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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11900			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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12000			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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12100			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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12200			Lst-tan, white, f xln, granular, fossiliferous, calcitic, scattered calcitic, most dense, dense, no vis porosity	
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DRILL STEM TEST REPORT

Prepared For: **Tomlinson Operating**

7154 West State Street
Boise, ID 83714

ATTN: Sid Tomlinson

Cleveland #1

2-12s-19w Ellis,KS

Start Date: 2013.04.06 @ 16:35:00

End Date: 2013.04.07 @ 00:07:20

Job Ticket #: 51601 DST #: 1

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

Printed: 2013.04.12 @ 13:09:41



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Tomlinson Operating
7154 West State Street
Boise, ID 83714
ATTN: Sid Tomlinson

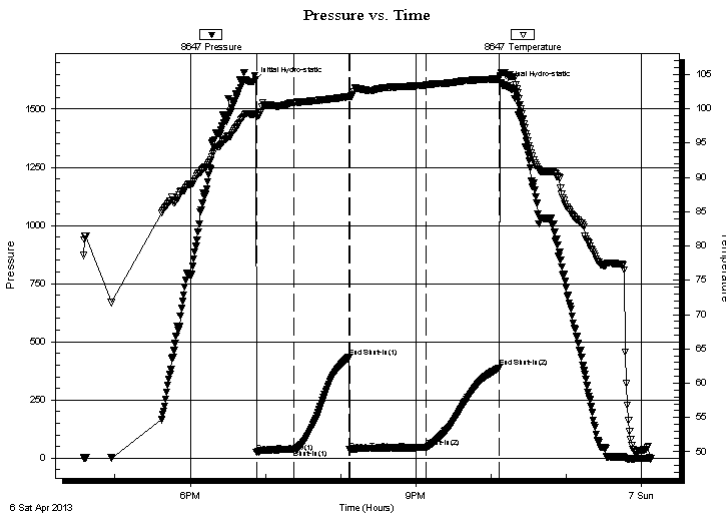
2-12s-19w Ellis,KS
Cleveland #1
Job Ticket: 51601 **DST#: 1**
Test Start: 2013.04.06 @ 16:35:00

GENERAL INFORMATION:

Formation: **Lansing A-C**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:52:50
Time Test Ended: 00:07:20
Interval: **3378.00 ft (KB) To 3450.00 ft (KB) (TVD)**
Total Depth: 3450.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole (Initial)
Tester: Jimmy Ricketts
Unit No: 68
Reference Elevations: 2124.00 ft (KB)
2112.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8647 Outside
Press @ Run Depth: 46.63 psig @ 3379.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.04.06 End Date: 2013.04.07 Last Calib.: 2013.04.12
Start Time: 16:35:05 End Time: 00:07:20 Time On Btm: 2013.04.06 @ 18:50:40
Time Off Btm: 2013.04.06 @ 22:09:30

TEST COMMENT: Weak blow building to 5 inches initial flow period.
Weak blow building to 9 inches final flow period.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1618.69	99.21	Initial Hydro-static
3	25.03	98.92	Open To Flow (1)
33	38.38	100.90	Shut-In(1)
76	433.80	101.81	End Shut-In(1)
77	35.04	101.83	Open To Flow (2)
138	46.63	103.45	Shut-In(2)
196	389.51	104.35	End Shut-In(2)
199	1603.16	105.27	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
65.00	Heavy oil cut mud 40% oil & 60% mud	0.91

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tomlinson Operating
7154 West State Street
Boise, ID 83714
ATTN: Sid Tomlinson

2-12s-19w Ellis, KS
Cleveland #1
Job Ticket: 51601 **DST#: 1**
Test Start: 2013.04.06 @ 16:35:00

Tool Information

Drill Pipe:	Length: 3380.00 ft	Diameter: 3.80 inches	Volume: 47.41 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: lb
			<u>Total Volume: 47.41 bbl</u>	Tool Chased 7.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3378.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	72.00 ft			
Tool Length:	101.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Change Over Sub	1.00			3350.00	
Shut In Tool	5.00			3355.00	
Hydraulic tool	5.00			3360.00	
Jars	5.00			3365.00	
Safety Joint	3.00			3368.00	
Packer	5.00			3373.00	29.00 Bottom Of Top Packer
Packer	5.00			3378.00	
Stubb	1.00			3379.00	
Recorder	0.00	8844	Inside	3379.00	
Recorder	0.00	8647	Outside	3379.00	
Perforations	32.00			3411.00	
Change Over Sub	1.00			3412.00	
Blank Spacing	30.00			3442.00	
Change Over Sub	1.00			3443.00	
Perforations	4.00			3447.00	
Bullnose	3.00			3450.00	72.00 Bottom Packers & Anchor
Total Tool Length:	101.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tomlinson Operating
7154 West State Street
Boise, ID 83714
ATTN: Sid Tomlinson

2-12s-19w Ellis,KS
Cleveland #1
Job Ticket: 51601 **DST#: 1**
Test Start: 2013.04.06 @ 16:35:00

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: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 6.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 3000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
65.00	Heavy oil cut mud 40% oil & 60% mud	0.912

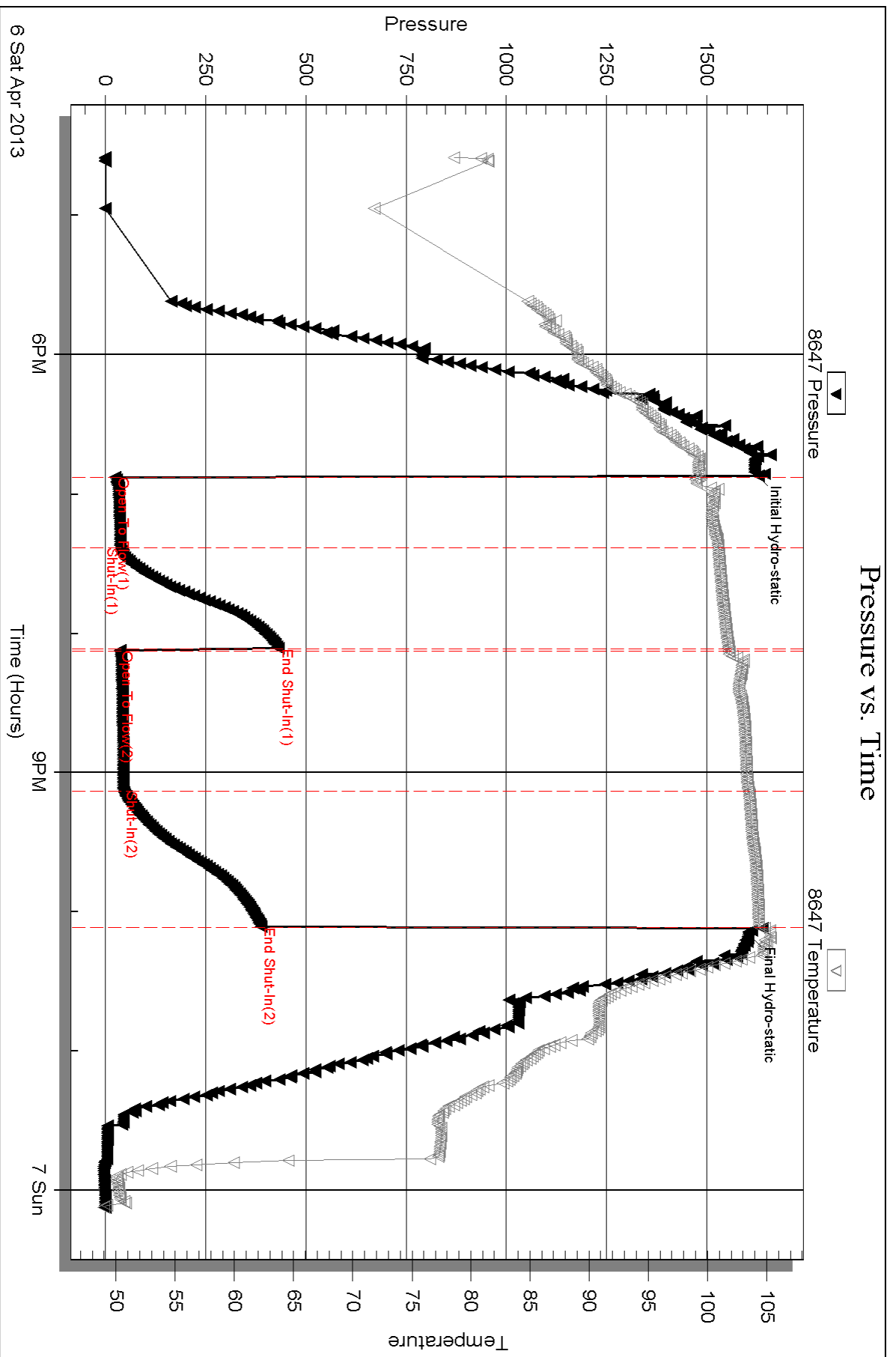
Total Length: 65.00 ft Total Volume: 0.912 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 8647

Outside Tomlinson Operating

Cleveland #1

DST Test Number: 1



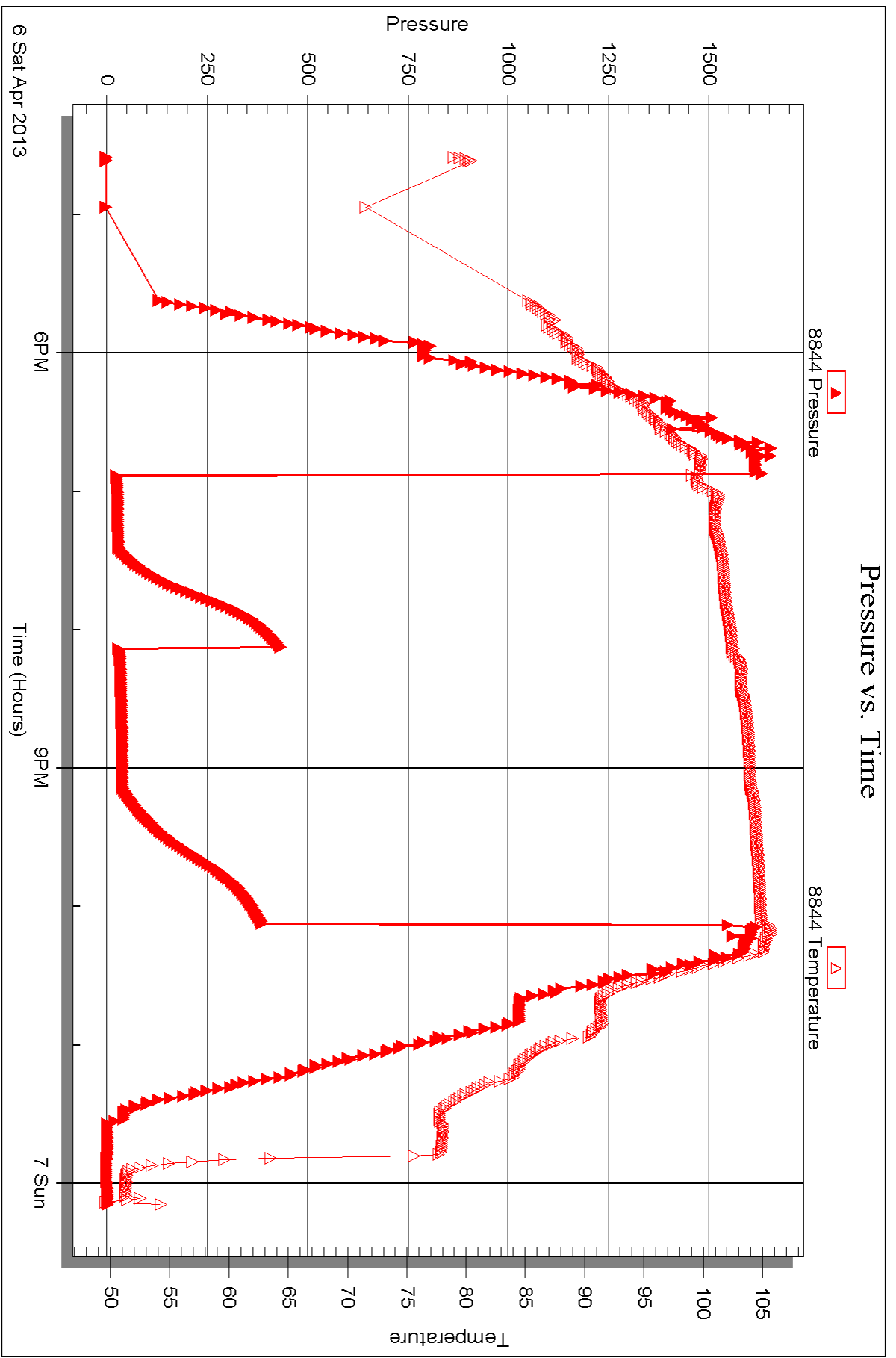
Serial #: 8844

Inside

Tonkinson Operating

Cleveland #1

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Tomlinson Operating**

7154 West State Street
Boise, ID 83714

ATTN: Sid Tomlinson

Cleveland #1

2-12s-19w Ellis,KS

Start Date: 2013.04.07 @ 15:55:00

End Date: 2013.04.07 @ 22:07:09

Job Ticket #: 51602 DST #: 2

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.04.12 @ 13:08:32



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Tomlinson Operating
7154 West State Street
Boise, ID 83714
ATTN: Sid Tomlinson

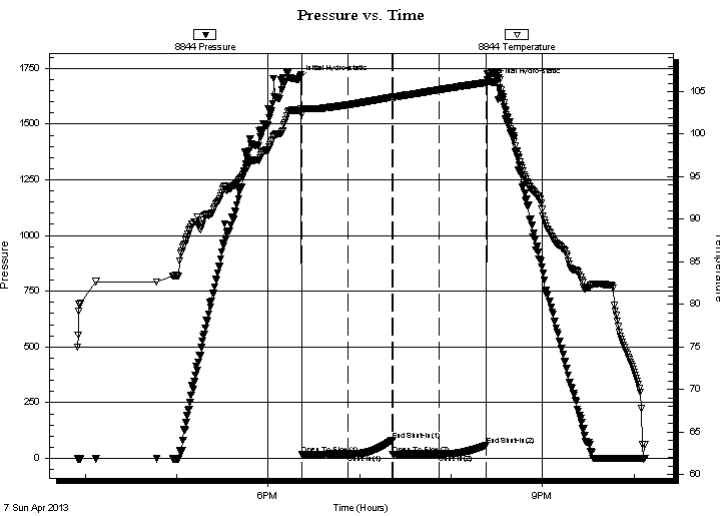
2-12s-19w Ellis,KS
Cleveland #1
Job Ticket: 51602 **DST#: 2**
Test Start: 2013.04.07 @ 15:55:00

GENERAL INFORMATION:

Formation: **Lansing I-K**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:22:10
Time Test Ended: 22:07:09
Interval: **3534.00 ft (KB) To 3560.00 ft (KB) (TVD)**
Total Depth: 3560.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole (Initial)
Tester: Jimmy Ricketts
Unit No: 68
Reference Elevations: 2124.00 ft (KB)
2112.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8844 Inside
Press @ RunDepth: 20.31 psig @ 3535.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.04.07 End Date: 2013.04.07 Last Calib.: 2013.04.12
Start Time: 15:55:05 End Time: 22:07:10 Time On Btm: 2013.04.07 @ 18:20:20
Time Off Btm: 2013.04.07 @ 20:27:39

TEST COMMENT: Weak 1/4" blow throughout initial flow period.
No blow final flow period.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1700.01	102.72	Initial Hydro-static
2	17.95	102.36	Open To Flow (1)
32	19.98	103.45	Shut-In(1)
61	81.64	104.34	End Shut-In(1)
62	17.70	104.31	Open To Flow (2)
92	20.31	105.21	Shut-In(2)
123	57.59	106.06	End Shut-In(2)
128	1687.27	107.17	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	Oil cut mud 13% oil and 87% mud.	

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tomlinson Operating
7154 West State Street
Boise, ID 83714
ATTN: Sid Tomlinson

2-12s-19w Ellis, KS
Cleveland #1
Job Ticket: 51602 **DST#: 2**
Test Start: 2013.04.07 @ 15:55:00

Tool Information

Drill Pipe:	Length: 3535.00 ft	Diameter: 3.80 inches	Volume: 49.59 bbl	Tool Weight:	2200.00 lb
Heavy Wt. Pipe:	Length: ft	Diameter: inches	Volume: - bbl	Weight set on Packer:	21000.00 lb
Drill Collar:	Length: ft	Diameter: 2.25 inches	Volume: - bbl	Weight to Pull Loose:	51000.00 lb
			<u>Total Volume: - bbl</u>	Tool Chased	12.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial	43000.00 lb
Depth to Top Packer:	3534.00 ft			Final	44000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	76.00 ft				
Tool Length:	106.00 ft				
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			3505.00	
Shut In Tool	5.00			3510.00	
Hydraulic tool sampler	5.00			3515.00	
Jars	3.00			3518.00	
Jars	4.00			3522.00	
Safety Joint	2.00			3524.00	
Packer	5.00			3529.00	30.00 Bottom Of Top Packer
Packer	5.00			3534.00	
Stubb	1.00			3535.00	
Recorder	0.00	8844	Inside	3535.00	
Recorder	0.00	8647	Outside	3535.00	
Perforations	5.00			3540.00	
Change Over Sub	1.00			3541.00	
Blank Spacing	61.00			3602.00	
Change Over Sub	1.00			3603.00	
Perforations	4.00			3607.00	
Bullnose	3.00			3610.00	76.00 Bottom Packers & Anchor
Total Tool Length:	106.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tomlinson Operating
7154 West State Street
Boise, ID 83714
ATTN: Sid Tomlinson

2-12s-19w Ellis,KS
Cleveland #1
Job Ticket: 51602 **DST#: 2**
Test Start: 2013.04.07 @ 15:55:00

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: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2900.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	Oil cut mud 13% oil and 87% mud.	

Total Length: 5.00 ft Total Volume: bbl
Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments:

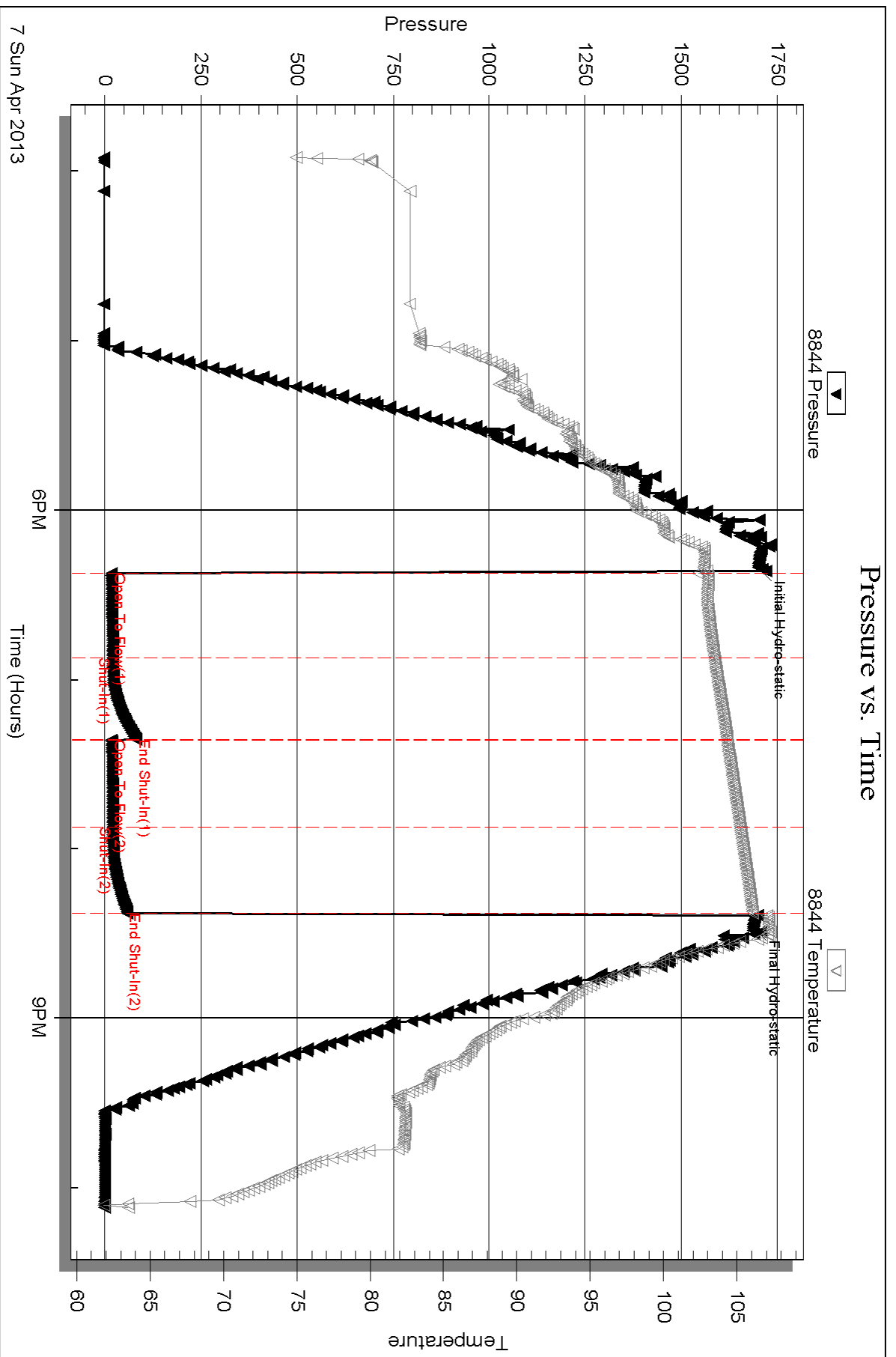
Serial #: 8844

Inside

Tonlison Operating

Cleveland #1

DST Test Number: 2

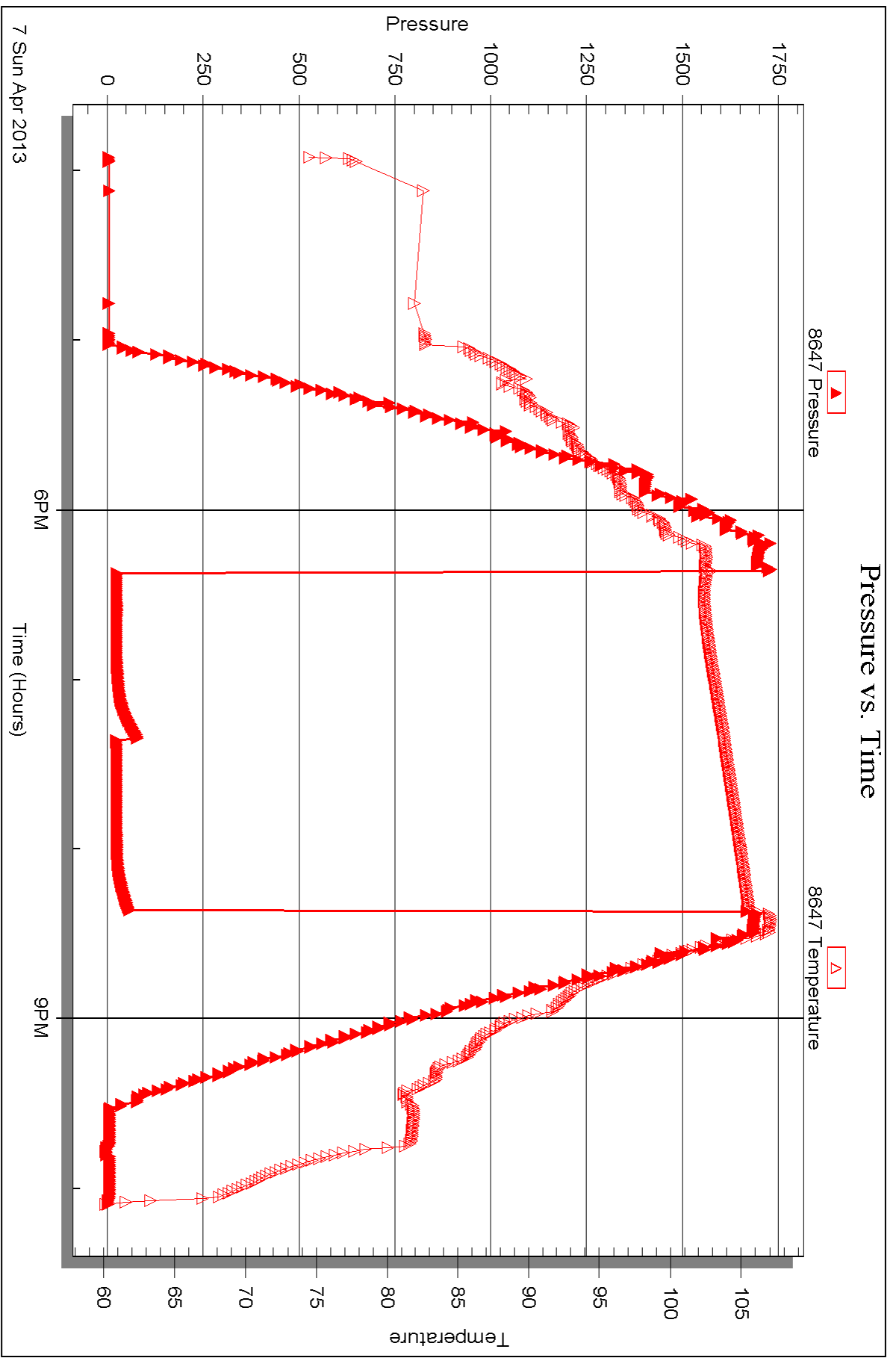


Serial #: 8647

Outside Tomlinson Operating

Cleveland #1

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Tomlinson Operating**

7154 West State Street
Boise, ID 83714

ATTN: Sid Tomlinson

Cleveland #1

2-12s-19w Ellis,KS

Start Date: 2013.04.08 @ 07:26:00

End Date: 2013.04.08 @ 14:12:20

Job Ticket #: 51603 DST #: 3

Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

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

Printed: 2013.04.12 @ 11:54:19



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Tomlinson Operating
7154 West State Street
Boise, ID 83714
ATTN: Sid Tomlinson

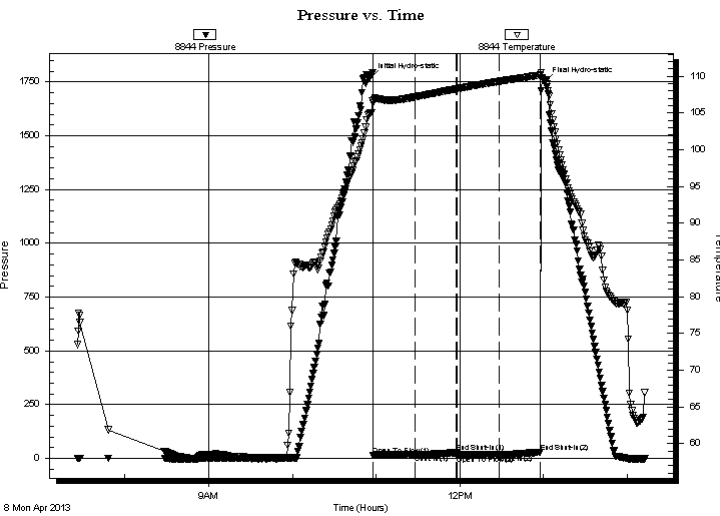
2-12s-19w Ellis,KS
Cleveland #1
Job Ticket: 51603 **DST#: 3**
Test Start: 2013.04.08 @ 07:26:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:58:00
Time Test Ended: 14:12:20
Interval: **3662.00 ft (KB) To 3674.00 ft (KB) (TVD)**
Total Depth: 3674.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Bottom Hole (Initial)
Tester: Jimmy Ricketts
Unit No: 68
Reference Elevations: 2124.00 ft (KB)
2112.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8844 Inside
Press @ RunDepth: 18.25 psig @ 3663.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.04.08 End Date: 2013.04.08 Last Calib.: 2013.04.08
Start Time: 07:26:05 End Time: 14:12:20 Time On Btm: 2013.04.08 @ 10:56:00
Time Off Btm: 2013.04.08 @ 13:01:20

TEST COMMENT: Weak 1/4 inch blow throughout initial flow period.
No blow final flow period.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1769.44	105.01	Initial Hydro-static
2	15.59	106.40	Open To Flow (1)
32	18.26	107.16	Shut-In(1)
62	27.43	108.27	End Shut-In(1)
62	16.77	108.27	Open To Flow (2)
92	18.25	109.29	Shut-In(2)
122	29.43	110.14	End Shut-In(2)
126	1750.53	109.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	mud	0.01

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tomlinson Operating
7154 West State Street
Boise, ID 83714
ATTN: Sid Tomlinson

2-12s-19w Ellis, KS
Cleveland #1
Job Ticket: 51603 **DST#: 3**
Test Start: 2013.04.08 @ 07:26:00

Tool Information

Drill Pipe:	Length: 3658.00 ft	Diameter: 3.80 inches	Volume: 51.31 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 21000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: lb
			<u>Total Volume: 51.31 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 43000.00 lb
Depth to Top Packer:	3662.00 ft			Final lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	38.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments: Tester forgot to put recorders in tool. Started in hole 8:00 am. Realized no recorder 8:45. Started out of hole 9:00. Put in recorders and headed back in at 10:00 am. On bottom at 10:55.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3637.00	
Shut In Tool	5.00			3642.00	
Hydraulic tool	5.00			3647.00	
Jars	4.00			3651.00	
Safety Joint	2.00			3653.00	
Packer	5.00			3658.00	26.00 Bottom Of Top Packer
Packer	4.00			3662.00	
Stubb	1.00			3663.00	
Recorder	0.00	8844	Inside	3663.00	
Recorder	0.00	8647	Outside	3663.00	
Perforations	8.00			3671.00	
Bullnose	3.00			3674.00	12.00 Bottom Packers & Anchor

Total Tool Length: 38.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tomlinson Operating
7154 West State Street
Boise, ID 83714
ATTN: Sid Tomlinson

2-12s-19w Ellis,KS
Cleveland #1
Job Ticket: 51603 **DST#: 3**
Test Start: 2013.04.08 @ 07:26:00

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: 47.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.78 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 2900.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	mud	0.014

Total Length: 1.00 ft Total Volume: 0.014 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

Serial #: 8844

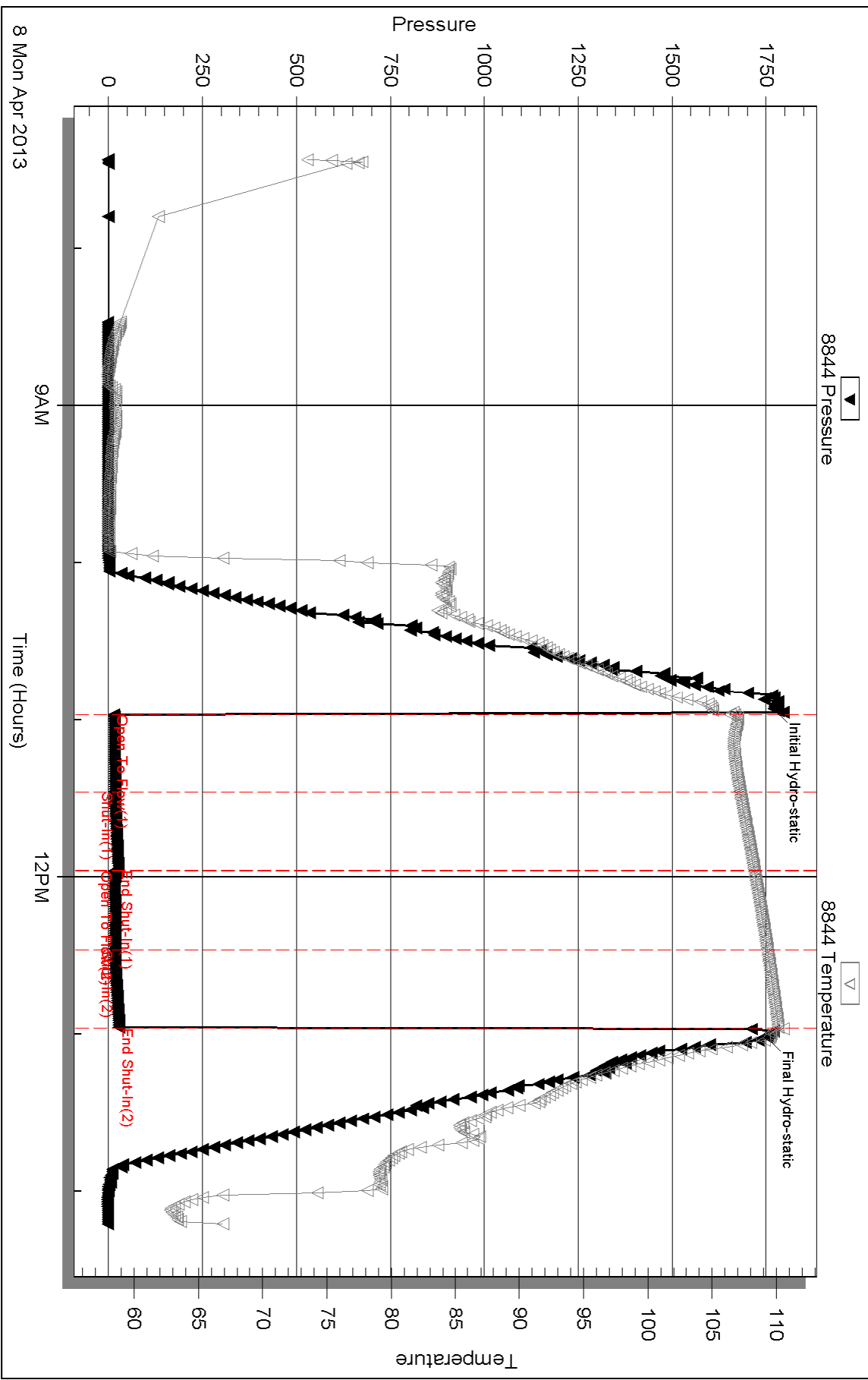
Inside

Tontinson Operating

Cleveland #1

DST Test Number: 3

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 51603

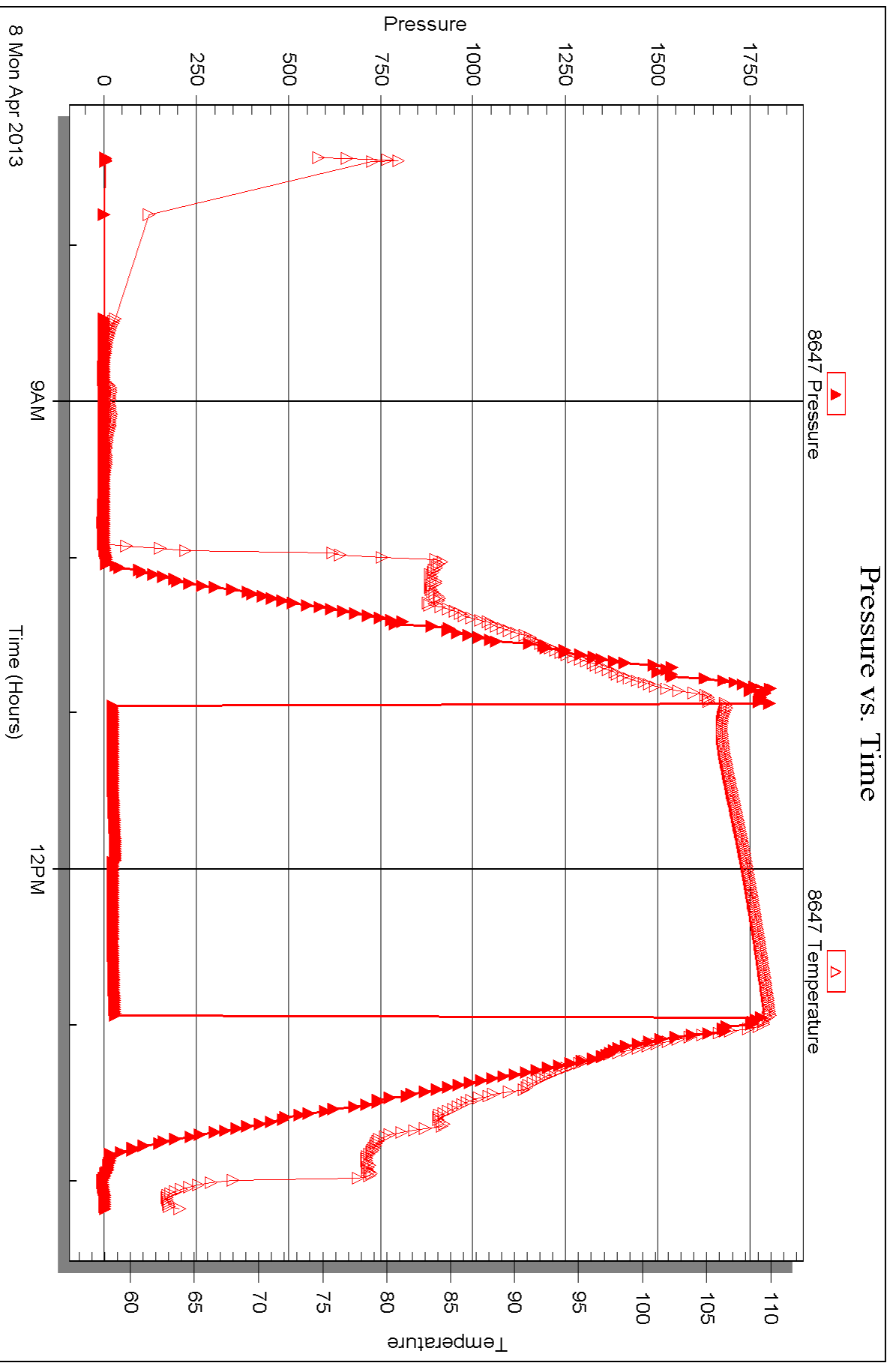
Printed: 2013.04.12 @ 11:54:22

Serial #: 8647

Outside Tomlinson Operating

Cleveland #1

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Tomlinson Operating**

7154 West State Street
Boise, ID 83714

ATTN: Sid Tomlinson

Cleveland #1

2-12s-19w Ellis,KS

Start Date: 2013.04.08 @ 19:56:00

End Date: 2013.04.09 @ 01:40:39

Job Ticket #: 51604 DST #: 4

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

Printed: 2013.04.12 @ 11:53:14



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Tomlinson Operating
 7154 West State Street
 Boise, ID 83714
 ATTN: Sid Tomlinson

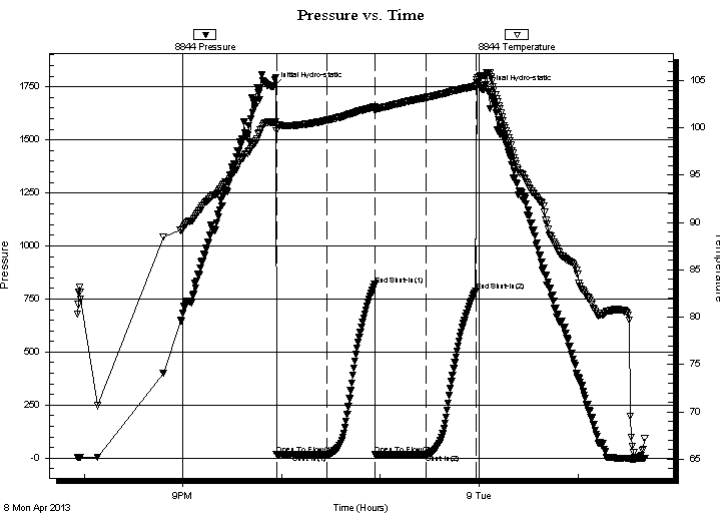
2-12s-19w Ellis, KS
Cleveland #1
 Job Ticket: 51604 **DST#: 4**
 Test Start: 2013.04.08 @ 19:56:00

GENERAL INFORMATION:

Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 21:56:50
 Time Test Ended: 01:40:39
 Interval: **3661.00 ft (KB) To 3684.00 ft (KB) (TVD)**
 Total Depth: 3684.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Poor
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Jimmy Ricketts
 Unit No: 68
 Reference Elevations: 2124.00 ft (KB)
 2112.00 ft (CF)
 KB to GR/CF: 12.00 ft

Serial #: 8844 Inside
 Press @ Run Depth: 17.14 psig @ 3662.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.04.08 End Date: 2013.04.09 Last Calib.: 2013.04.08
 Start Time: 19:56:05 End Time: 01:40:40 Time On Btm: 2013.04.08 @ 21:55:00
 Time Off Btm: 2013.04.09 @ 00:03:00

TEST COMMENT: Weak 1/4 inch blow throughout initial flow period.
 Weak 1/4 inch blow throughout final flow period.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1752.77	100.59	Initial Hydro-static
2	16.51	99.67	Open To Flow (1)
33	15.73	100.80	Shut-In(1)
62	817.74	102.22	End Shut-In(1)
62	16.28	101.77	Open To Flow (2)
93	17.14	103.22	Shut-In(2)
123	789.04	104.41	End Shut-In(2)
128	1737.99	105.54	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Clean oil	0.01
4.00	Oil cut mud 15% oil and 85% mud	0.06

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tomlinson Operating
7154 West State Street
Boise, ID 83714
ATTN: Sid Tomlinson

2-12s-19w Ellis, KS
Cleveland #1
Job Ticket: 51604 **DST#: 4**
Test Start: 2013.04.08 @ 19:56:00

Tool Information

Drill Pipe:	Length: 3659.00 ft	Diameter: 3.80 inches	Volume: 51.33 bbl	Tool Weight: 2200.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 21000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 48000.00 lb
			<u>Total Volume: 51.33 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 44000.00 lb
Depth to Top Packer:	3661.00 ft			Final 44000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	23.00 ft			
Tool Length:	49.00 ft			
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			3636.00	
Shut In Tool	5.00			3641.00	
Hydraulic tool	5.00			3646.00	
Jars	4.00			3650.00	
Safety Joint	2.00			3652.00	
Packer	5.00			3657.00	26.00 Bottom Of Top Packer
Packer	4.00			3661.00	
Stubb	1.00			3662.00	
Recorder	0.00	8844	Inside	3662.00	
Recorder	0.00	8647	Outside	3662.00	
Perforations	19.00			3681.00	
Bullnose	3.00			3684.00	23.00 Bottom Packers & Anchor

Total Tool Length: 49.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Tomlinson Operating
7154 West State Street
Boise, ID 83714
ATTN: Sid Tomlinson

2-12s-19w Ellis,KS
Cleveland #1
Job Ticket: 51604 **DST#: 4**
Test Start: 2013.04.08 @ 19:56:00

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: 49.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.39 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Clean oil	0.014
4.00	Oil cut mud 15% oil and 85% mud	0.056

Total Length: 5.00 ft Total Volume: 0.070 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

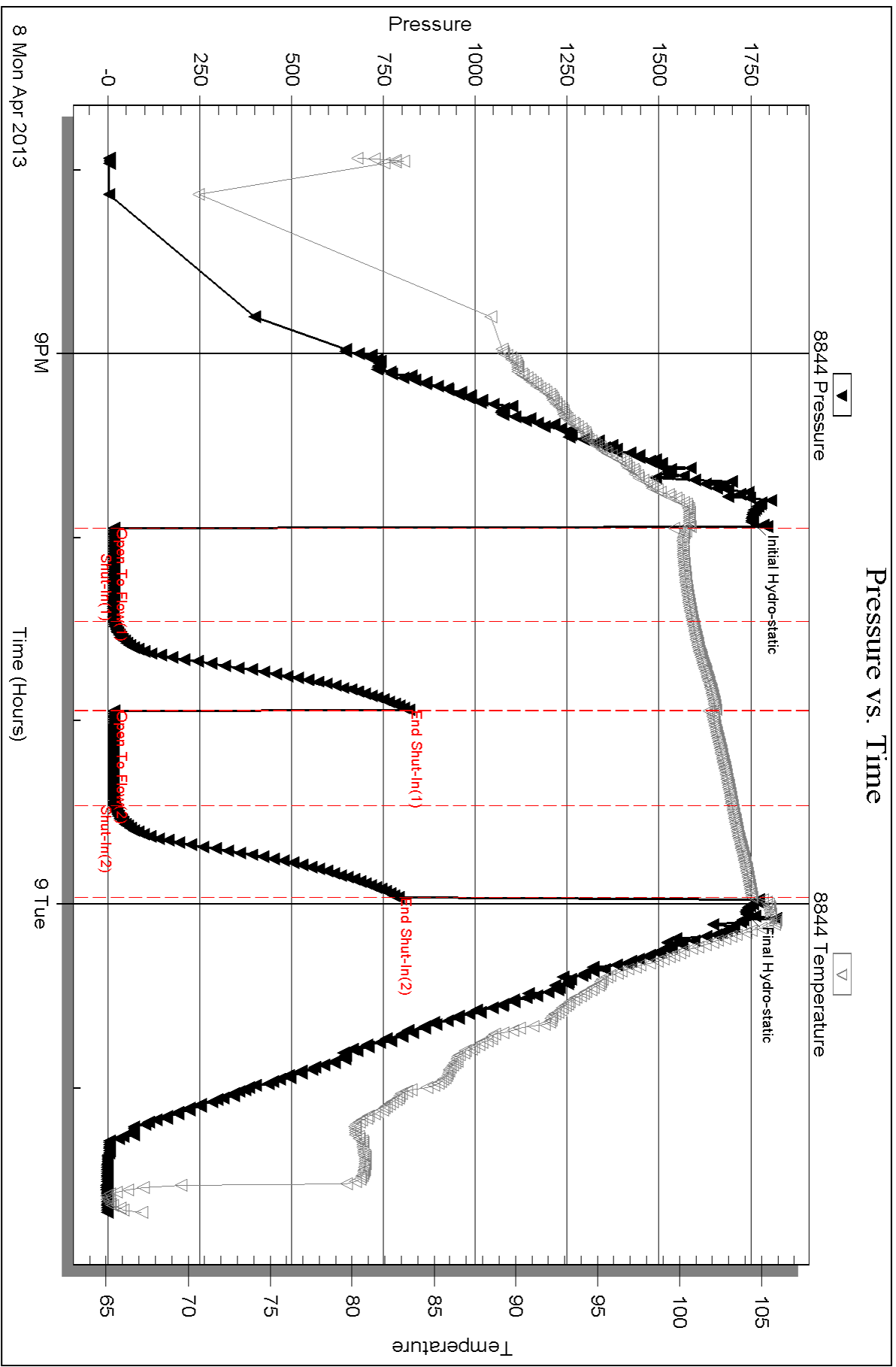
Serial #: 8844

Inside

Tontinon Operating

Cleveland #1

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **Tomlinson Operating**

7154 West State Street
Boise, ID 83714

ATTN: Sid Tomlinson

Cleveland #1

2-12s-19w Ellis,KS

Start Date: 2013.04.09 @ 15:52:00

End Date: 2013.04.09 @ 23:35:20

Job Ticket #: 51605 DST #: 5

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

Printed: 2013.04.12 @ 11:49:14



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Tomlinson Operating
7154 West State Street
Boise, ID 83714
ATTN: Sid Tomlinson

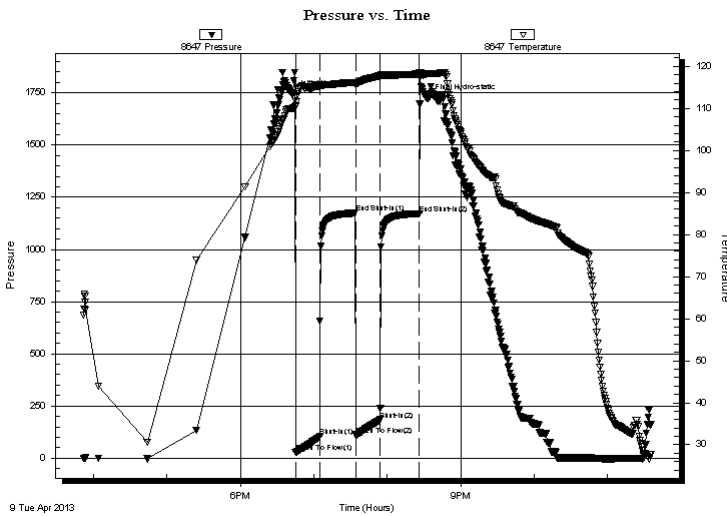
2-12s-19w Ellis,KS
Cleveland #1
Job Ticket: 51605 **DST#: 5**
Test Start: 2013.04.09 @ 15:52:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 18:45:10
Time Test Ended: 23:35:20
Interval: **3680.00 ft (KB) To 3691.00 ft (KB) (TVD)**
Total Depth: 3749.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor
Test Type: Conventional Straddle (Initial)
Tester: Jimmy Ricketts
Unit No: 68
Reference Elevations: 2124.00 ft (KB)
2112.00 ft (CF)
KB to GR/CF: 12.00 ft

Serial #: 8647 Inside
Press @ Run Depth: 183.87 psig @ 3681.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.04.09 End Date: 2013.04.09 Last Calib.: 2013.04.10
Start Time: 15:52:05 End Time: 23:35:20 Time On Btm: 2013.04.09 @ 18:43:20
Time Off Btm: 2013.04.09 @ 20:33:00

TEST COMMENT: Weak blow building to strong blow (BOB) 11 minutes into initial flow period.
Weak blow building to strong blow 13 minutes into final flow period.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1741.45	110.05	Initial Hydro-static
2	26.40	110.72	Open To Flow (1)
22	103.50	115.38	Shut-In(1)
51	1174.47	116.23	End Shut-In(1)
52	109.14	115.88	Open To Flow (2)
71	183.87	117.73	Shut-In(2)
103	1172.23	118.17	End Shut-In(2)
110	1722.04	118.22	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
1.00	Clean oil 100% oil	0.01
379.00	Mud cut w ater 16% mud and 84% w ater	5.32

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Tomlinson Operating
7154 West State Street
Boise, ID 83714
ATTN: Sid Tomlinson

2-12s-19w Ellis, KS
Cleveland #1
Job Ticket: 51605 **DST#: 5**
Test Start: 2013.04.09 @ 15:52:00

Tool Information

Drill Pipe:	Length: 3690.00 ft	Diameter: 3.80 inches	Volume: 51.76 bbl	Tool Weight: 2600.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: inches	Volume: 0.00 bbl	Weight set on Packer: 23000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 46000.00 lb
			<u>Total Volume: 51.76 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	31.00 ft			String Weight: Initial 41000.00 lb
Depth to Top Packer:	3680.00 ft			Final 41000.00 lb
Depth to Bottom Packer:	3691.00 ft			
Interval between Packers:	11.00 ft			
Tool Length:	90.00 ft			
Number of Packers:	3	Diameter: 6.75 inches		

Tool Comments: Tail pipe of 58 foot. Bottom packers held.

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3660.00	
Shut In Tool	5.00			3665.00	
Hydraulic tool	5.00			3670.00	
Jars	4.00			3674.00	
Safety Joint	2.00			3676.00	
Packer	4.00			3680.00	21.00 Bottom Of Top Packer
Stubb	1.00			3681.00	
Recorder	0.00	8647	Inside	3681.00	
Recorder	0.00	8844	Outside	3681.00	
Perforations	10.00			3691.00	
Packer	1.00			3692.00	
Blank Off Sub	1.00			3693.00	11.00 Tool Interval
Packer	5.00			3698.00	
Change Over Sub	1.00			3699.00	
Blank Spacing	31.00			3730.00	
Change Over Sub	1.00			3731.00	
Recorder	0.00	8372	Below	3731.00	
Perforations	15.00			3746.00	
Bullnose	3.00			3749.00	58.00 Bottom Packers & Anchor

Total Tool Length: 90.00



TRILOBITE
TESTING, INC.

DRILL STEM TEST REPORT

FLUID SUMMARY

Tomlinson Operating
7154 West State Street
Boise, ID 83714
ATTN: Sid Tomlinson

2-12s-19w Ellis,KS
Cleveland #1
Job Ticket: 51605 **DST#: 5**
Test Start: 2013.04.09 @ 15:52:00

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:	24000 ppm
Viscosity: 48.00 sec/qt	Cushion Volume: bbl		
Water Loss: 7.79 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Clean oil 100% oil	0.014
379.00	Mud cut w ater 16% mud and 84% w ater	5.316

Total Length: 380.00 ft Total Volume: 5.330 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments:

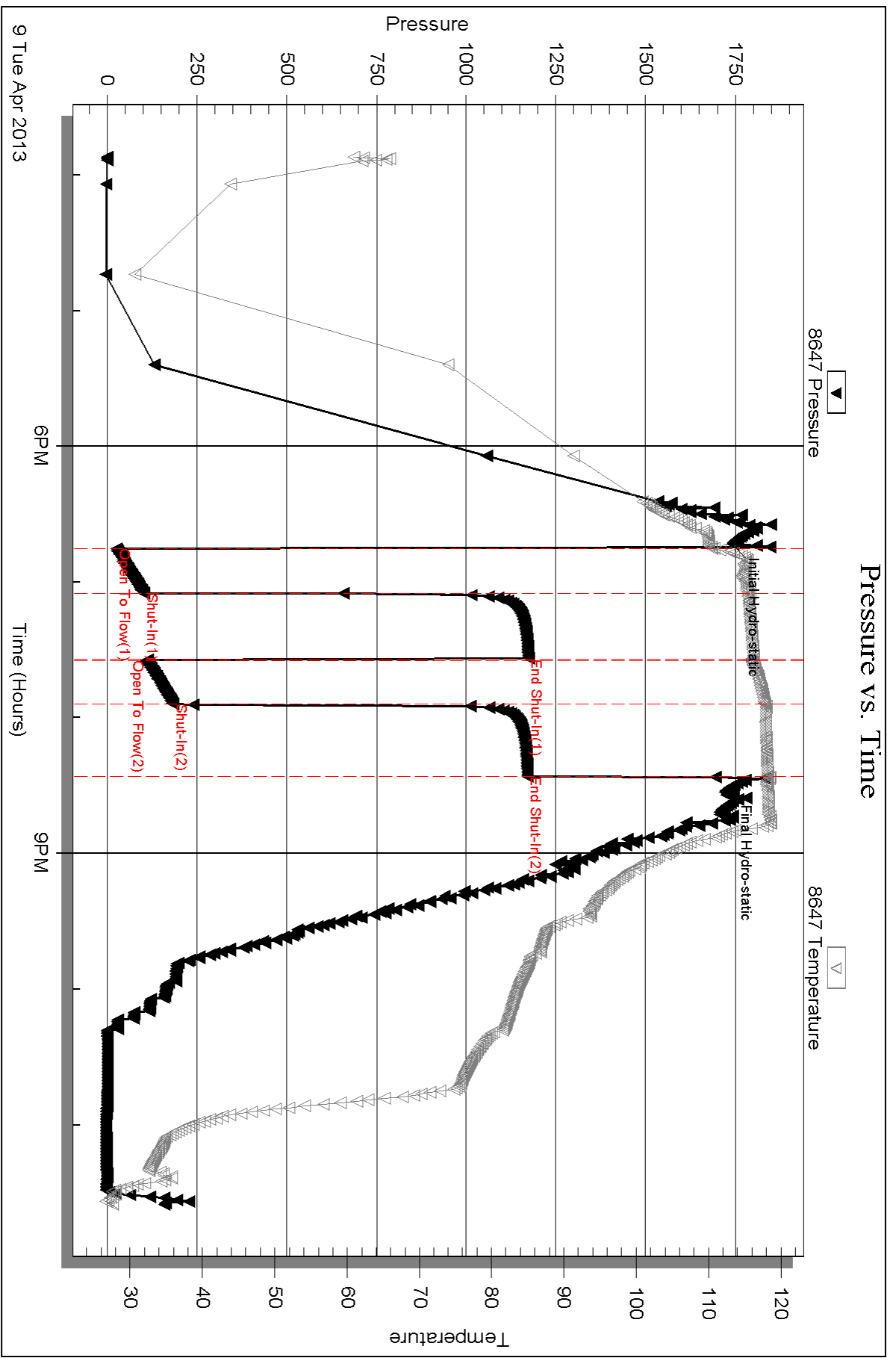
Serial #: 8647

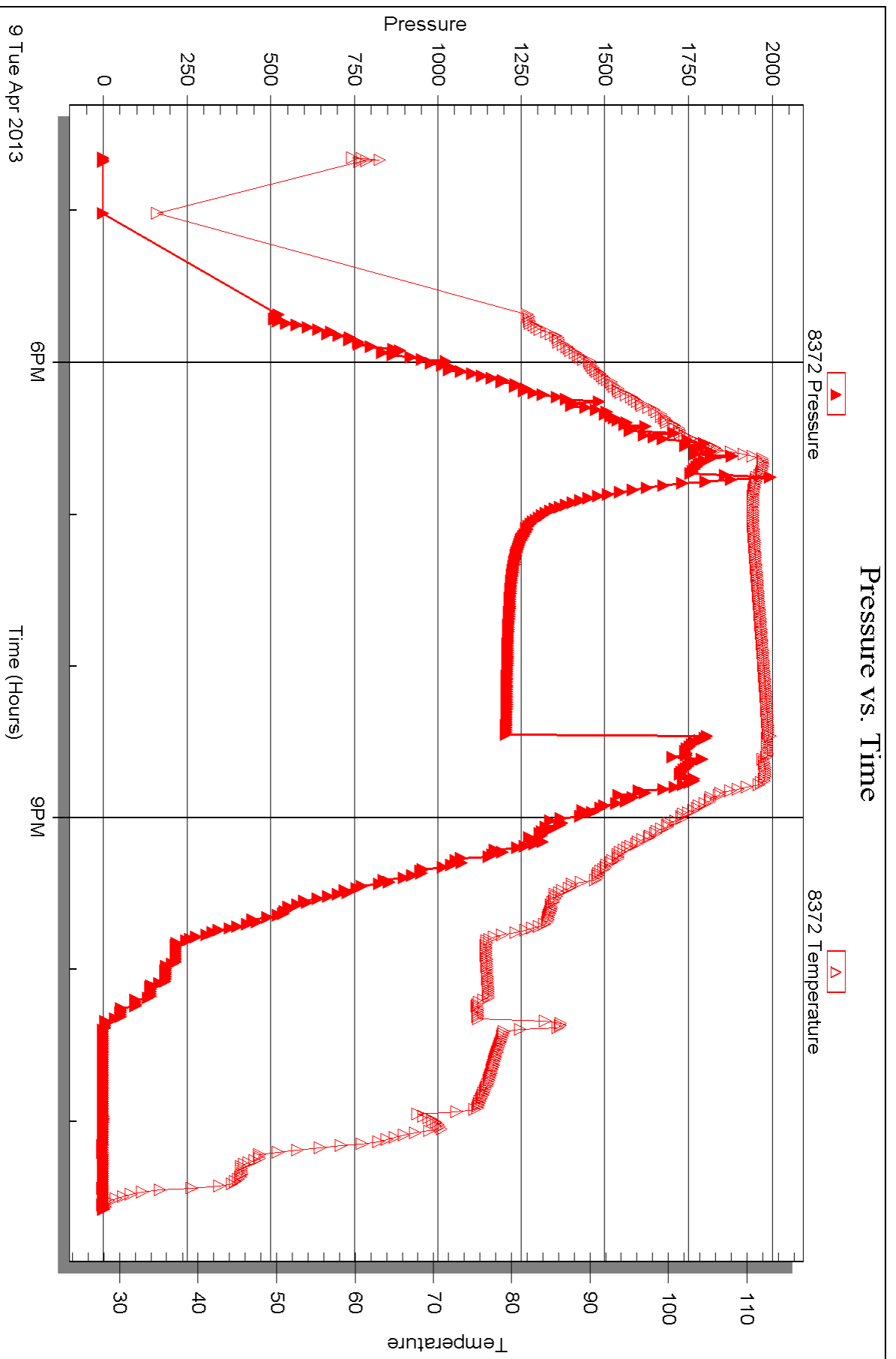
Inside

Tontinson Operating

Cleveland #1

DST Test Number: 5



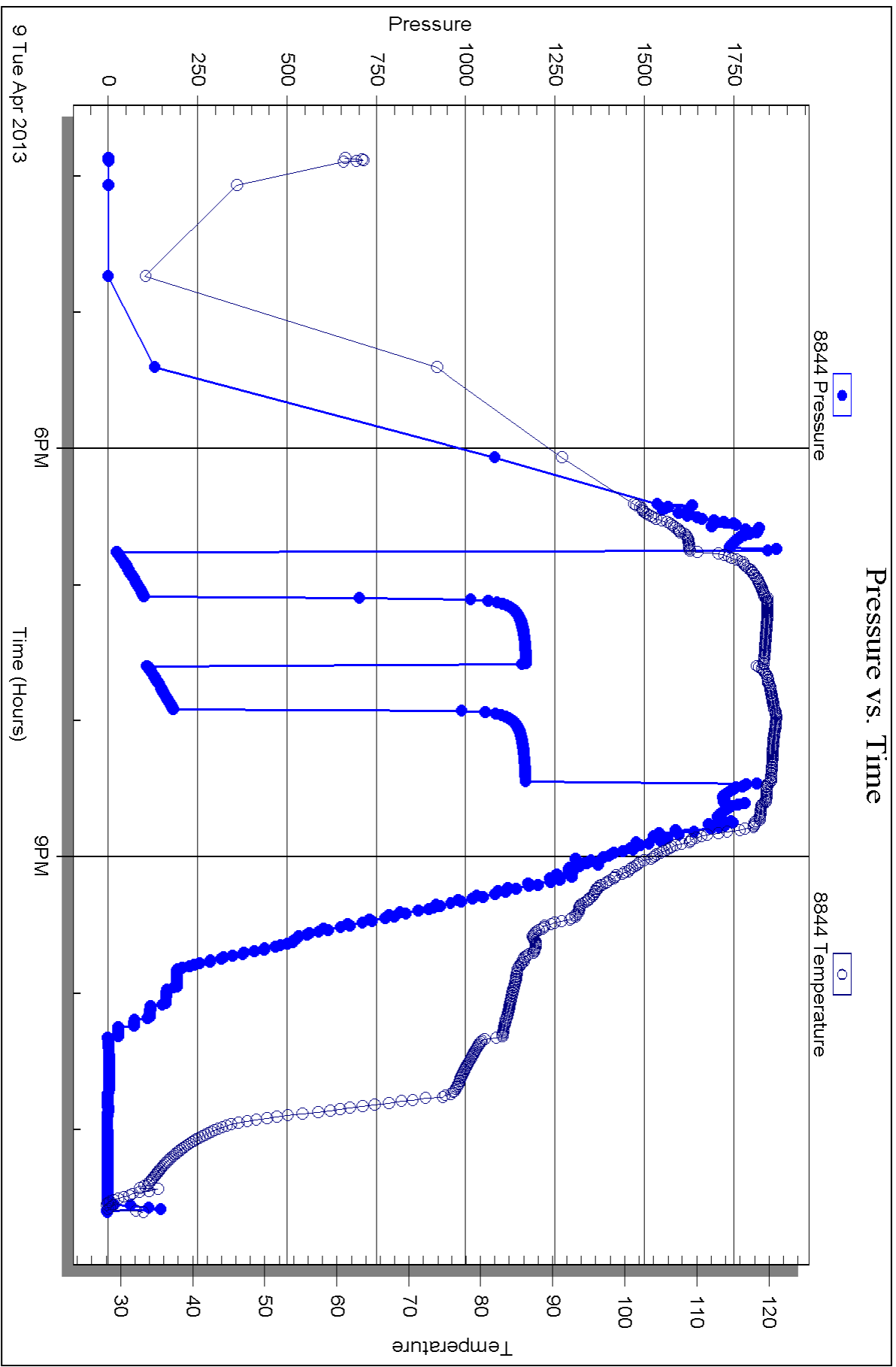


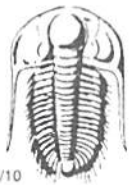
Serial #: 8844

Outside Tomlinson Operating

Cleveland #1

DST Test Number: 5





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51601

Well Name & No. Cleveland #1 Test No. 1 Date 4-6-13
 Company Tomlinson Operating Elevation 2134 KB ~~2112~~ 2112 GL
 Address 7154 W. State St. Boise, ID 83714
 Co. Rep / Geo. Sid Tomlinson / Bob O'Dell 706-1553 Rig Southwind 70
 Location: Sec. 2 Twp. 12S Rge. 19W Co. Ellis State Ks.

Interval Tested 3378 - 3450 Zone Tested Lansing A-C
 Anchor Length 72' Drill Pipe Run 3380 Mud Wt. 9.1
 Top Packer Depth 3373 Drill Collars Run 0 Vis 49
 Bottom Packer Depth 3378 Wt. Pipe Run 0 WL 7.0
 Total Depth 3450 Chlorides 3000 ppm System LCM
 Blow Description WBBT 5 inches IFP
WBBT 9 inches FFP

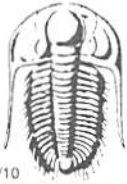
Rec	Feet of	%gas	%oil	%water	%mud
<u>65</u>	<u>HOCM</u>	<u>40</u>		<u>60</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 65 BHT 10.5 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1619</u>	<input checked="" type="checkbox"/> Test 1150	T-On Location <u>1410</u>
(B) First Initial Flow <u>25</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>1650</u>
(C) First Final Flow <u>38</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>1853</u>
(D) Initial Shut-In <u>434</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>2208</u>
(E) Second Initial Flow <u>35</u>	<input type="checkbox"/> Hourly Standby	T-Out <u>2350</u>
(F) Second Final Flow <u>46 47</u>	<input checked="" type="checkbox"/> Mileage <u>36 RT</u> 55.80	Comments <u>RT 1635</u>
(G) Final Shut-In <u>390</u>	<input type="checkbox"/> Sampler	
(H) Final Hydrostatic <u>1603</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer
Initial Open <u>36</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies
Initial Shut-In <u>45</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>60</u>	<input type="checkbox"/> Day Standby	Total <u>1530.80</u>
Final Shut-In <u>60</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>1530.80</u>	

Approved By _____ Our Representative _____

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.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51602

Well Name & No. Cleveland #1 Test No. 2 Date 4-7-13
 Company Tomlinson Operating Elevation 2124 KB 2112 GL
 Address _____
 Co. Rep / Geo. Bob O'Dell Rig Southwind 70
 Location: Sec. 2 Twp. 12S Rge. 19W Co. Ellis State Ks

Interval Tested 3534-3610 Zone Tested Lansing I-K
 Anchor Length 76' Drill Pipe Run 3535 Mud Wt. 9.2
 Top Packer Depth 3529 Drill Collars Run 0 Vis 48
 Bottom Packer Depth 3534 Wt. Pipe Run 0 WL 7.8
 Total Depth 3610 Chlorides 2900 ppm System LCM _____
 Blow Description weak 1/4" Blow throughout IFA
No Blow FFA

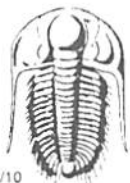
Rec	Feet of	%gas	%oil	%water	%mud
<u>S</u>	<u>OCM</u>	<u>13</u>		<u>87</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total S BHT 107 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1700 Test 1150 T-On Location 1530
 (B) First Initial Flow 18 Jars 250 T-Started 1625
 (C) First Final Flow 20 Safety Joint 75 T-Open 1822
 (D) Initial Shut-In 82 Circ Sub _____ T-Pulled 2023
 (E) Second Initial Flow 18 Hourly Standby _____ T-Out 2135
 (F) Second Final Flow 20 Mileage RT 36 55.80 Comments RT 1555
 (G) Final Shut-In 58 Sampler _____
 (H) Final Hydrostatic 1687 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Initial Open 30 Extra Recorder _____ Sub Total 0
 Initial Shut-In 30 Day Standby _____ Total 1530.80
 Final Flow 30 Accessibility _____ MP/DST Disc't _____
 Final Shut-In 31 Sub Total 1530.80

Approved By Bob O'Dell Our Representative Jimmy Roberts

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51603

Well Name & No. Cleveland #1 Test No. 3 Date 4-8-13
 Company Tomlinson Operating Elevation 2124 KB 2112 GL
 Address 7154 West State St. Boise, ID 83714
 Co. Rep / Geo. Bob O'Dell Rig Southwind #70
 Location: Sec. 2 Twp. 12 S Rge. 19 W Co. Ellis State Ks.

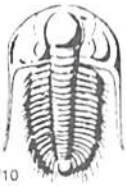
Interval Tested 3662 - 3674 Zone Tested Arbuckle
 Anchor Length 12' Drill Pipe Run 3658 Mud Wt. 9.1
 Top Packer Depth 3657 Drill Collars Run 0 Vis 47
 Bottom Packer Depth 3662 Wt. Pipe Run 0 WL 7.8
 Total Depth 3674 Chlorides 2900 ppm System LCM
 Blow Description Weak 1/4" blow throughout IFP
No blow FFP

Rec	Feet of	%gas	%oil	%water	%mud
<u>0</u>					

Rec Total 0 BHT 109 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1769</u>	<input checked="" type="checkbox"/> Test 1150	T-On Location <u>0645</u>
(B) First Initial Flow <u>16</u>	<input checked="" type="checkbox"/> Jars 250	T-Started <u>0740</u>
(C) First Final Flow <u>18</u>	<input checked="" type="checkbox"/> Safety Joint 75	T-Open <u>1058</u>
(D) Initial Shut-In <u>27</u>	<input type="checkbox"/> Circ Sub	T-Pulled <u>1258</u>
(E) Second Initial Flow <u>17</u>	<input type="checkbox"/> Hourly Standby <u>None</u>	T-Out <u>1400</u>
(F) Second Final Flow <u>18</u>	<input checked="" type="checkbox"/> Mileage <u>RT 36</u> 55.80	Comments <u>RT 0726</u>
(G) Final Shut-In <u>29</u>	<input type="checkbox"/> Sampler	<div style="border: 1px solid red; padding: 2px;">Started in 8:00 no record 18:45 started out 9:00 headed in 10:00</div>
(H) Final Hydrostatic <u>1750</u>	<input type="checkbox"/> Straddle	<input type="checkbox"/> Ruined Shale Packer <u>10:55</u>
	<input type="checkbox"/> Shale Packer	<input type="checkbox"/> Ruined Packer _____ rig time
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby	Total <u>1530.80</u>
Final Shut-In <u>30</u>	<input type="checkbox"/> Accessibility	MP/DST Disc't _____
	Sub Total <u>1530.80</u>	

Approved By _____ Our Representative Jimmy Rickels
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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51604

Well Name & No. Cleaveland #1 Test No. 4 Date 4-8-13
 Company Tomlinson Operating Elevation 2124 KB 2112 GL
 Address 7154 West State St. Boise ID 83714
 Co. Rep / Geo. Bob O'Dell Rig Southwind #70
 Location: Sec. 2 Twp. 12S Rge. 19W Co. Ellis State KS.

Interval Tested 3661 - 3684 Zone Tested Arbuckle
 Anchor Length 23' Drill Pipe Run ~~3659~~ 3659 Mud Wt. 8.8
 Top Packer Depth 3656 Drill Collars Run 0 Vis 49
 Bottom Packer Depth 3661 Wt. Pipe Run 0 WL 7.4
 Total Depth 3684 Chlorides 4000 ppm System LCM
 Blow Description weak 1/4" Blow throughout IFA
weak 1/4" Blow throughout IFA

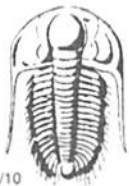
Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Clean Oil</u>	<u>100</u>			
<u>4</u>	<u>OCM</u>	<u>15</u>		<u>85</u>	

Rec Total 5 BHT 106 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic <u>1753</u>	<input checked="" type="checkbox"/> Test <u>1150</u>	T-On Location <u>1925</u>
(B) First Initial Flow <u>17</u>	<input checked="" type="checkbox"/> Jars <u>250</u>	T-Started <u>2010</u>
(C) First Final Flow <u>16</u>	<input checked="" type="checkbox"/> Safety Joint <u>75</u>	T-Open <u>2158</u>
(D) Initial Shut-In <u>818</u>	<input type="checkbox"/> Circ Sub _____	T-Pulled <u>2359</u>
(E) Second Initial Flow <u>16</u>	<input type="checkbox"/> Hourly Standby _____	T-Out <u>0130</u>
(F) Second Final Flow <u>17</u>	<input checked="" type="checkbox"/> Mileage <u>RT 36</u> 55.80	Comments <u>RT 1956</u>
(G) Final Shut-In <u>789</u>	<input type="checkbox"/> Sampler _____	
(H) Final Hydrostatic <u>1738</u>	<input type="checkbox"/> Straddle _____	<input type="checkbox"/> Ruined Shale Packer _____
	<input type="checkbox"/> Shale Packer _____	<input type="checkbox"/> Ruined Packer _____
Initial Open <u>30</u>	<input type="checkbox"/> Extra Packer _____	<input type="checkbox"/> Extra Copies _____
Initial Shut-In <u>30</u>	<input type="checkbox"/> Extra Recorder _____	Sub Total <u>0</u>
Final Flow <u>30</u>	<input type="checkbox"/> Day Standby _____	Total <u>1530.80</u>
Final Shut-In <u>31</u>	<input type="checkbox"/> Accessibility _____	MP/DST Disc't _____

Approved By Bob O'Dell Our Representative Jimmy Ricketts

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TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51605

4/10

Well Name & No. Cleveland #1 Test No. S Date 4-9-13
 Company Tomlinson Operating Elevation 2124 KB 2112 GL
 Address 7154 West State Street Boise, ID 83714
 Co. Rep / Geo. Bob O'Dell Rig Southwing #70
 Location: Sec. 2 Twp. 12S Rge. 19W Co. Ellis State KS.

Interval Tested 3680-3691 Zone Tested Arbuckle
 Anchor Length 11' 58' Tailpipe Drill Pipe Run 3690 Mud Wt. 9.2
 Top Packer Depth 3680 Drill Collars Run 0 Vis 48
 Bottom Packer Depth 3691 Wt. Pipe Run 0 WL 7.8
 Total Depth 3749 Chlorides 4000 ppm System LCM
 Blow Description Weak blow building to Strong Blow 11 min into IFP
weak blow building to Strong Blow (BoB) 13 min into FFP

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>clean oil</u>	<u>100</u>			
<u>379</u>	<u>Mud cut water</u>		<u>84</u>	<u>16</u>	

Rec Total 380 BHT 1180 Gravity _____ API RW _____ @ _____ °F Chlorides 24000 ppm

(A) Initial Hydrostatic 1741 Test 1150 T-On Location 1408
 (B) First Initial Flow 26 Jars 250 T-Started 1645
 (C) First Final Flow 104 Safety Joint 75 T-Open 1845
 (D) Initial Shut-In 1174 Circ Sub _____ T-Pulled 2027
 (E) Second Initial Flow 109 Hourly Standby _____ T-Out 2230
 (F) Second Final Flow 184 Mileage RT 36 55.80 Comments RT Top 1552
 (G) Final Shut-In 1172 Sampler _____ BTM 1639
 (H) Final Hydrostatic 1722 Straddle 600 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 2130.80
 Accessibility _____ MP/DST Disc't _____
 Sub Total 2130.80

Initial Open 20
 Initial Shut-In 30
 Final Flow 20
 Final Shut-In 32
 Approved By Bob O'Dell Our Representative Jimmy Dickette

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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. 6497

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-2-13	2	12	19	ELLIS	KANSAS		5:45 PM
				Location <u>VOCEMENTO - 8th - 1st - 1st - 1/2nd E - N/INTO</u>			
Lease <u>CLEVELAND</u>		Well No. # <u>1</u>		Owner <u>SID TOMLINSON</u>			
Contractor <u>S.W.D #70</u>		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 <u>SURFACE</u>		Charge To <u>SID TOMLINSON</u>					
Hole Size <u>12 1/4"</u>		T.D. <u>303'</u>		Street <u>7154 W. STATE ST. #302</u>			
Csg. <u>8 5/8"</u>		Depth <u>303'</u>		City <u>BOISE</u> State <u>ID, 83714</u>			
Tbg. Size		Depth		The above was done to satisfaction and supervision of owner agent or contractor.			
Tool		Depth		Cement Amount Ordered <u>180 com - 3cc - 2 GEL</u>			
Cement Left in Csg.		Shoe Joint <u>15'</u>					
Meas Line		Displace <u>18 BBLs</u>					
EQUIPMENT				Common <u>180</u>			
Pumptrk # <u>14</u>	No.	Cementer Helper <u>TRAVIS</u>		Poz. Mix			
Bulktrk # <u>4</u>	No.	Driver <u>CLAYTON</u>		Gel. <u>3</u>			
Bulktrk # <u>DM</u>	No.	Driver <u>LISA</u>		Calcium <u>7</u>			
JOB SERVICES & REMARKS				Hulls			
Remarks:				Salt			
Rat Hole				Flowseal			
Mouse Hole				Kol-Seal			
Centralizers				Mud CLR 48			
Baskets				CFL-117 or CD110 CAF 38			
D/V or Port Collar				Sand			
<u>CEMENT DID CIRCULATE!</u>				Handling <u>190</u>			
				Mileage			
FLOAT EQUIPMENT							
				Guide Shoe			
				Centralizer			
				Baskets			
				AFU Inserts			
				Float Shoe			
				Latch Down			
<u>THANK YOU!</u>				Pumptrk Charge <u>Surface</u>			
				Mileage <u>16</u>			
				Tax			
				Discount			
				Total Charge			
X Signature <u>[Signature]</u>							

ALLIED OIL & GAS SERVICES, LLC 056890

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Russell KS

DATE <u>4-10-13</u>	SEC. <u>2</u>	TWP. <u>12</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>11:00 AM</u>	JOB FINISH <u>11:30 AM</u>
LEASE <u>Clearland</u>		WELL.# <u>1</u>	LOCATION <u>Yocemento KS 9N 1 1/2 E N 10</u>		COUNTY <u>Ellis</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Southwind 70
 TYPE OF JOB PTA
 HOLE SIZE 7 7/8 T.D. 3750
 CASING SIZE DEPTH
 TUBING SIZE DEPTH
 DRILL PIPE 4 1/2 16.6 DEPTH 3646
 TOOL DEPTH
 PRES. MAX MINIMUM
 MEAS. LINE SHOE JOINT
 CEMENT LEFT IN CSG.
 PERFS.
 DISPLACEMENT

OWNER

CEMENT AMOUNT ORDERED 255 60/40 40 gal 1 1/4" #10

EQUIPMENT
 PUMP TRUCK CEMENTER Robert Y
 # 417 HELPER Woody O
 BULK TRUCK
 # 473 DRIVER Nathan D
 BULK TRUCK
 # DRIVER

COMMON	<u>153</u>	@	<u>17.90</u>	<u>2738.70</u>	T
POZMIX	<u>102</u>	@	<u>9.35</u>	<u>953.70</u>	T
GEL	<u>9</u>	@	<u>23.40</u>	<u>210.60</u>	T
CHLORIDE		@			
ASC		@			
<u>\$10 seal</u>	<u>2.6</u>	@	<u>2.97</u>	<u>193.05</u>	T
<u>65#</u>		@			
		@			
		@			
		@			
		@			
		@			
		@			
		@			
HANDLING	<u>274.33 ft³</u>	@	<u>2.48</u>	<u>680.35</u>	
MILEAGE	<u>194.6075 1/m</u>	@	<u>2.60</u>	<u>505.98</u>	
				TOTAL	<u>5282.38</u>

4096.05 = #258.05

REMARKS:

50sk @ 3646
25sk @ 1470
100sk @ 770
40sk @ 350
10sk @ 40
30sk @ Rat

SERVICE

DEPTH OF JOB	<u>3646</u>		
PUMP TRUCK CHARGE	<u>2600.47</u>		
EXTRA FOOTAGE	@		
MILEAGE <u>17 HVMI</u>	@	<u>7.70</u>	<u>130.90</u>
MANIFOLD	@		
<u>17 LVMI</u>	@	<u>4.40</u>	<u>74.80</u>
	@		
TOTAL <u>2806.17</u>			

CHARGE TO: Tomliason Operating LLC
 STREET 7154 W. State St #302
 CITY Boise STATE ID ZIP 83714

PLUG & FLOAT EQUIPMENT

<u>8 3/8 Wooden plug</u>	@	<u>107.64</u>	<u>107.64</u>	T
	@			
	@			
	@			
TOTAL <u>107.64</u>				

To: Allied Oil & Gas 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.

SALES TAX (If Any) 516.35
 TOTAL CHARGES 8196.19
 DISCOUNT 2049.05 IF PAID IN 30 DAYS
before yes BS 4-12
yet 6147.14

PRINTED NAME Sam Staggis
 SIGNATURE Sam Staggis