



KANSAS CORPORATION COMMISSION 1091317
OIL & GAS CONSERVATION DIVISION

Form ACO-1

June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

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: _____



1091317

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Darrah, John Jay, Jr.
Well Name	Kratzer 10
Doc ID	1091317

Tops

Name	Top	Datum
Topeka	2420	-627
Oread	2579	-806
Heebner	2677	-844
Toronto	2700	-907
Douglas	2705	-912
Brown Lime	2796	-1003
Lansing	2826	-1033
Base KC	3119	-1326
Simpson	3130	-1337
Arbuckle	3178	-1385
LTD	3293	-1500



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah Oil Company
225 N. Market STE 300
Wichita KS 67202
ATTN: Seth

21-17s-8w Ellworth
Kratzer #10
Job Ticket: 49476 **DST#: 1**
Test Start: 2012.08.07 @ 08:10:35

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API: 42 deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity: ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl	
Water Loss: 8.99 in ³	Gas Cushion Type:	
Resistivity: ohm.m	Gas Cushion Pressure: psig	
Salinity: 5000.00 ppm		
Filter Cake: inches		

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
248.00	30%Oil/70%Mud	0.000
2689.00	50%Gas/50%Oil	37.720
0.00	278' G.I.P.	0.000

Total Length: 2937.00 ft Total Volume: 37.720 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments: Dropped Bar- Circulated in to tank truck.

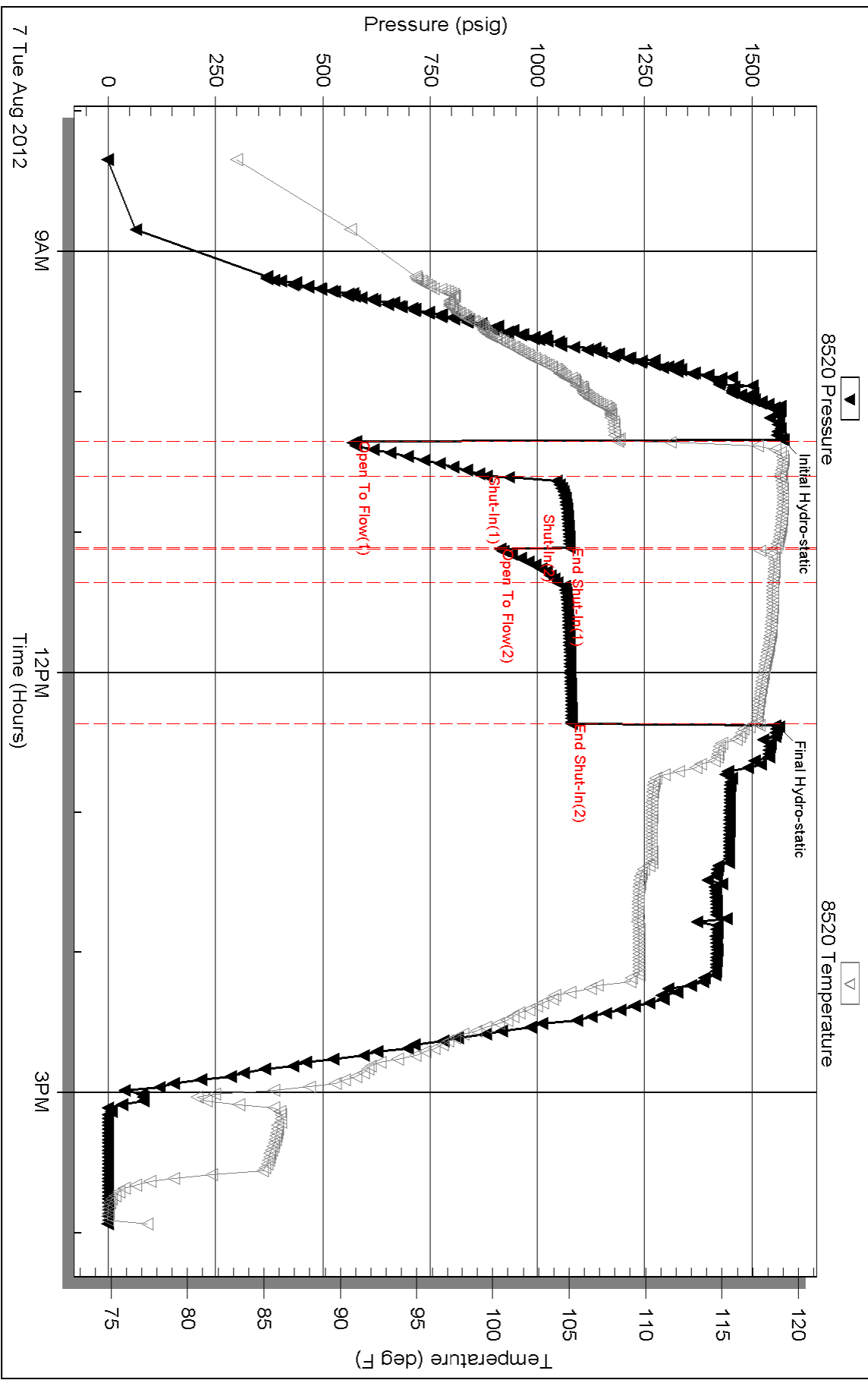
Serial #: 8520

Outside Darrah Oil Company

Kratzer #10

DST Test Number: 1

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 49476

Printed: 2012.08.08 @ 08:04:09



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Darrah Oil Company
225 N. Market STE 300
Wichita KS 67202
ATTN: Seth

21-17s-8w Ellworth
Kratzer #10
Job Ticket: 49477 **DST#: 2**
Test Start: 2012.08.08 @ 04:43:15

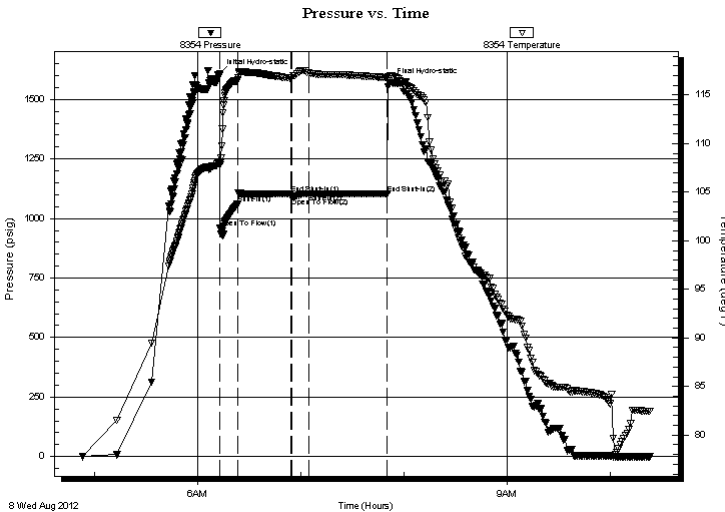
GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 06:13:05
Time Test Ended: 10:22:45
Interval: **3219.00 ft (KB) To 3293.00 ft (KB) (TVD)**
Total Depth: 3293.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Dustin Rash
Unit No: 38
Reference Elevations: 1793.00 ft (KB)
1788.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8354 Inside
Press @ Run Depth: 1104.17 psig @ 3258.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2012.08.08 End Date: 2012.08.08 Last Calib.: 2012.08.08
Start Time: 04:53:15 End Time: 10:22:45 Time On Btm: 2012.08.08 @ 06:12:55
Time Off Btm: 2012.08.08 @ 07:51:45

TEST COMMENT: IF-Very Strong Blow . BOB in 30 Seconds.
ISI-No Return.
FF-Very Strong Blow . BOB in 30 Seconds.
FSI-No Return.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1609.48	108.06	Initial Hydro-static
1	960.88	107.84	Open To Flow (1)
11	1062.02	116.54	Shut-In(1)
42	1104.72	116.73	End Shut-In(1)
42	1085.16	116.81	Open To Flow (2)
52	1104.17	117.26	Shut-In(2)
98	1103.35	116.79	End Shut-In(2)
99	1569.05	117.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
186.00	100%Water	0.91
1991.00	10%Oil/80%Water/10%Mud	27.36
496.00	5%Oil/20%Water/75%Mud	6.96

Gas Rates

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



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DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah Oil Company
225 N. Market STE 300
Wichita KS 67202
ATTN: Seth

21-17s-8w Ellworth
Kratzer #10
Job Ticket: 49477 **DST#: 2**
Test Start: 2012.08.08 @ 04:43:15

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	9000 ppm
Viscosity: 50.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.98 in ³	Gas Cushion Type:		
Resistivity: 0.55 ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
186.00	100%Water	0.915
1991.00	10%Oil/80%Water/10%Mud	27.364
496.00	5%Oil/20%Water/75%Mud	6.958

Total Length: 2673.00 ft Total Volume: 35.237 bbl

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

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8354

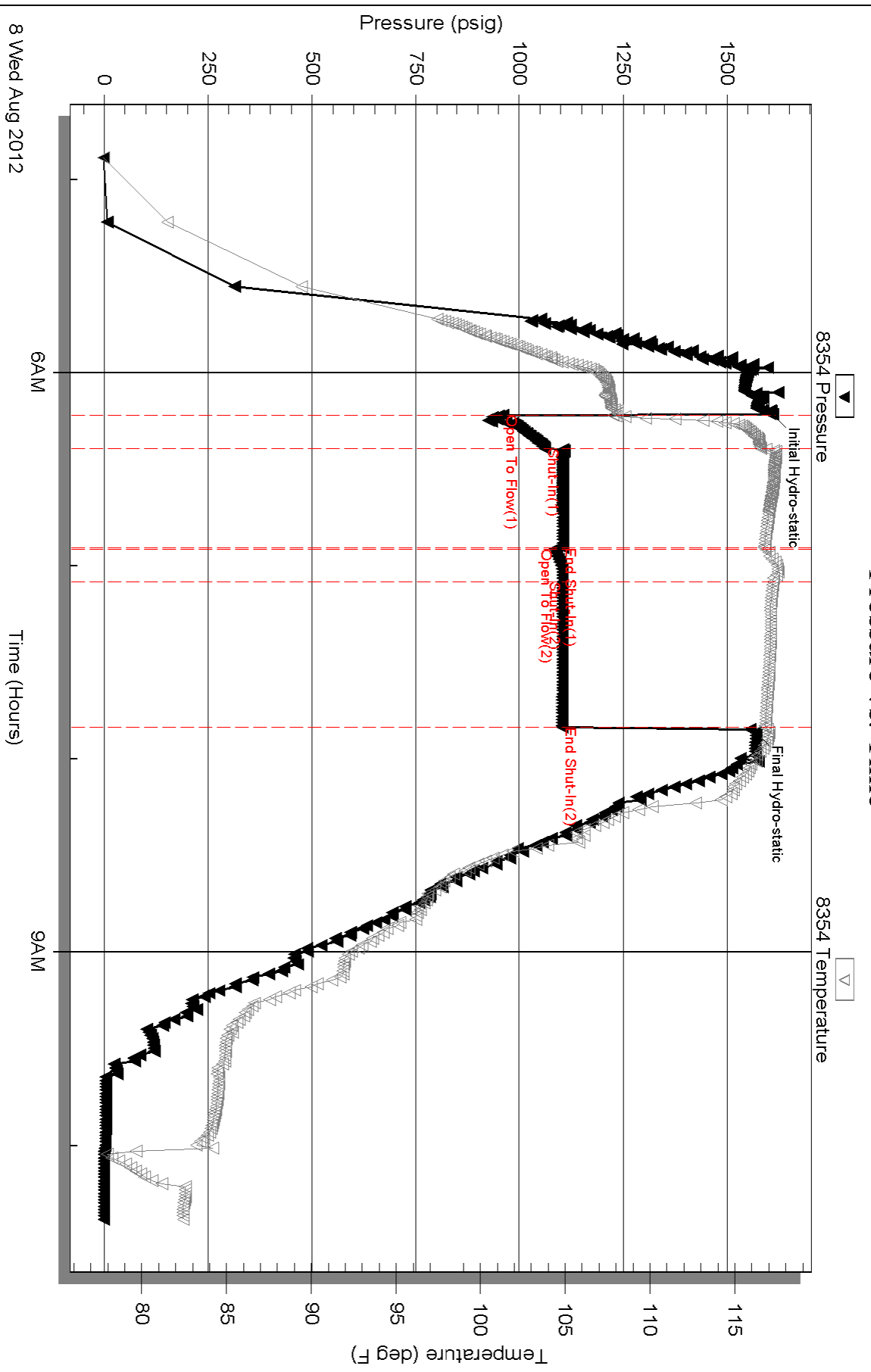
Inside

Darrah Oil Company

Kratzer #10

DST Test Number: 2

Pressure vs. Time



Triobite Testing, Inc

Ref. No: 49477

Printed: 2012.08.08 @ 11:01:18

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. 712

Date	8-2-12	Sec.	21	Twp.	17	Range	8	County	Ellsworth	State	KS	On Location		Finish	10.45pm	
Lease	Kratzer	Well No.		Location	4, 14 Jct 3N Winto											
Contractor	mullgard Jilling							Owner	To Quality Oilwell Cementing, Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.							
Type Job	Surface							Charge To	Bo Darrah Owl							
Hole Size	12 1/4		T.D.	288												
Csg.	8 5/8		Depth	288												
Tbg. Size			Depth													
Tool			Depth													
Cement Left in Csg.			Shoe Joint													
Meas Line	20ft		Displace	17 BB												
													The above was done to satisfaction and supervision of owner agent or contractor.			
													Cement Amount Ordered 170 3% CC 2% gel			

EQUIPMENT

Pumptrk	#16	No.	Cementer	Matt	Common	170
			Helper			
Bulktrk		No.	Driver	Travis	Poz. Mix	
			Driver			
Bulktrk	#8	No.	Driver	Levi	Gel.	3
			Driver			

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
	Sand
Cement did Circulate	Handling 179
	Mileage

FLOAT EQUIPMENT

lease Kratzer	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down

Pumptrk Charge	Surface
Mileage	54
	Tax
	Discount
	Total Charge

X Signature

[Handwritten Signature]



BASIC

ENERGY SERVICES
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61
P.O. Box 8613
Pratt, Kansas 67124
Phone 620-672-1201

FIELD SERVICE TICKET

1718 06740 A

21-175-8W

DATE _____ TICKET NO. _____

DATE OF JOB: 8-8-12	DISTRICT: Pratt, Kansas	NEW WELL <input checked="" type="checkbox"/>	OLD WELL <input type="checkbox"/>	PROD <input type="checkbox"/>	INJ <input type="checkbox"/>	WDW <input type="checkbox"/>	CUSTOMER ORDER NO.:		
CUSTOMER: Darrah Oil Company		LEASE: Kratzer				WELL NO.: 10			
ADDRESS:		COUNTY: Ellsworth		STATE: Kansas					
CITY:		STATE:		SERVICE CREW: C. Messick, M. Mattal, B. Reed					
AUTHORIZED BY:		JOB TYPE: C.N.W. - Longstring							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED	DATE	AM	TIME
37,216	1						8-8-12	PM	1:00
						ARRIVED AT JOB		PM	4:00
19,903-19,905	1					START OPERATION		AM	8:30
						FINISH OPERATION		PM	9:30
19,831-19,862	1					RELEASED	8-8-12	AM	9:45
						MILES FROM STATION TO WELL			85

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: _____
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
CP105	AA 2 Cement	sk	100	\$	1,700 00
CP103	60/40 Poz Cement	sk	30	\$	360 00
CC111	Salt	Lb	845	\$	422 50
CC129	FLA-322 Low Fluid Loss	Lb	47	\$	352 50
CC201	Gilsonite	Lb	500	\$	335 00
CF103	Top Rubber Plug, 5 1/2"	ea	1	\$	105 00
CF251	Regular Guide Shoe, 5 1/2"	ea	1	\$	250 00
CF1451	Insert Float Valve, 5 1/2"	ea	1	\$	215 00
CF1651	Turbolizer, 5 1/2"	ea	3	\$	330 00
CC151	Mud Flush	Gal	500	\$	430 00
E100	Pickup Mileage	Mi	85	\$	361 25
E101	Heavy Equipment Mileage	Mi	170	\$	1,190 00
E113	Bulk Delivery	tm	510	\$	816 00
CE204	Cement Pump: 3,000 Feet To 4,000 Feet	hrs	4	\$	2,160 00
CF240	Blending and Mixing Service	sk	130	\$	182 00
CE504	Plug Container	Job	1	\$	250 00
S003	Service Supervisor	hrs	8	\$	175 00

SUB TOTAL

DLS \$ 7225.69

CHEMICAL / ACID DATA:			

SERVICE & EQUIPMENT	%TAX ON \$	
MATERIALS	%TAX ON \$	
TOTAL		

SERVICE REPRESENTATIVE: <i>Charles R. Messick</i>	THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>John...</i>
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(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.

Customer Darrah Oil Company		Lease No.		Date 8-8-12	
Lease Kratzer		Well # 10			
Field Order # 6,740	Station Pratt, Kansas	Casing 5 1/2"	Depth 1416.3292 Feet	County Ellsworth	State Kansas
Type Job C.N.W. - Longstring			Formation	Legal Description a1-175-8W	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size 5 1/2"	Tubing Size 4 1/2"	Shots/Ft 100	Acid sacks AA2 with	Pre Pad 5.8	Fluid Loss 188	Max 5 Lb./skt	Rate Gilsonite	ISIP 5 Min.
Depth 3292 Feet	Depth	From	To	Pad 15.37	Gal. 5.63	Min 1 skt		10 Min.
Volume 30.3 Bbl.	Volume	From	To	Erac		Avg		15 Min.
Max Press 1500 P.S.I.	Max Press	From	To					
Well Connection 1 1/2" container	Annulus Vol.	From	To	Flush 79.8 Bbl. Fresh Water		HHP Used plug Rat Hole		Annulus Pressure
Plug Depth 3211 Feet	Packer Depth	From	To			Gas Volume		Total Load

Customer Representative Will Darrah	Station Manager David Scott	Treater Clarence R. Messich
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Service Units	37,216	19,903	19,905	19,831	19,862				
Driver Names	Messich	Mattal	Reed						

Time P.M.	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
4:00					Trucks on location and hold safety meeting.
6:00					Mallard Drilling start to run Regular Guide Shoe, Shoe Joint with Lat Auto Fill Insert Screwed into collar and a total of 79 Joints new 14 Lb./Ft. 5 1/2"cs. A Turbolizer was installed on collar # 1, 5, 13.
7:30					Casing in well. Circulate for 50 minutes.
8:23	300		20	6	Start Fresh Water Pre-Flush.
			32	6	Start Mud Flush.
8:38	300		52	5	Start mixing 100 sacks AA2 Blend cement.
	-0-		77		Stop pumping. Shut in well. Wash pump and lines. Release Top Rubber Plug. Open Well.
8:47	100		65	5	start Fresh Water Displacement.
9:00	400		79.8		Plug down.
	1,500				Pressure up.
					Release pressure. Insert held.
	-0-		7	3	Plug Rat Hole.
	-0-				Wash up pump truck.
9:45					Job Complete.
					Thank You
					Clarence, Milte, Brett