



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 # 5088
Name: Darrah, John Jay, Jr.
Address 1: 225 N MARKET STE 300
Address 2: _____
City: WICHITA State: KS Zip: 67202 + 2024
Contact Person: Will Darrah
Phone: (316) 219-3390
CONTRACTOR: License # 4958
Name: Mallard, J. V., Inc.
Wellsite Geologist: Seth Evenson
Purchaser: NCRA

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 #: _____

<u>08/02/2012</u>	<u>08/08/2012</u>	<u>09/12/2012</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-053-21276-00-00
Spot Description: _____
SE NW SE NE Sec. 21 Twp. 17 S. R. 8 East West
1730 Feet from North / South Line of Section
840 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Ellsworth
Lease Name: Kratzer Well #: 10
Field Name: _____
Producing Formation: Arbuckle
Elevation: Ground: 1788 Kelly Bushing: 1793
Total Depth: 3293 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 288 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: 100 ppm Fluid volume: 720 bbls
Dewatering method used: Hauled to Disposal
Location of fluid disposal if hauled offsite:
Operator Name: Brackeen Line Cleaning, Inc.
Lease Name: Smith A License #: 9952
Quarter SE Sec. 1 Twp. 18 S. R. 11 East West
County: Barton Permit #: 1500922824

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: NAOMI JAMES Date: 09/27/2012



1091317

Operator Name: Darrah, John Jay, Jr. Lease Name: Kratzer Well #: 10
 Sec. 21 Twp. 17 S. R. 8 East West County: Ellsworth

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 (Attach Additional Sheets)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name Attached	Top Attached	Datum Attached
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Submitted Electronically (If no, Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				
Dual Compensated Porosity Log				
Dual Induction Log				

CASING RECORD <input checked="" 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
Surface	12.75	8.625	23	288	SMD	170	2% gel 3% cc
Production	7.875	5.5	14	3292	AA-2	100	

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD	-			
<input type="checkbox"/> Plug Off Zone	-			

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	3232 - 3242		
4	3252 - 3256		
4	3206 - 3212		
	Cement retainer @ 3228'		

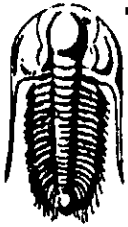
TUBING RECORD:		Size: <u>2 7/8"</u>	Set At: <u>3220'</u>	Packer At: <u>NA</u>	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>09/12/2012</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls. <u>108</u>	Gas Mcf <u>0</u>	Water Bbls. <u>0</u>	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>3206 - 3212</u>
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Form	ACO1 - Well Completion
Operator	Darrah, John Jay, Jr.
Well Name	Kratzer 10
Doc ID	1091317

Tops

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

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

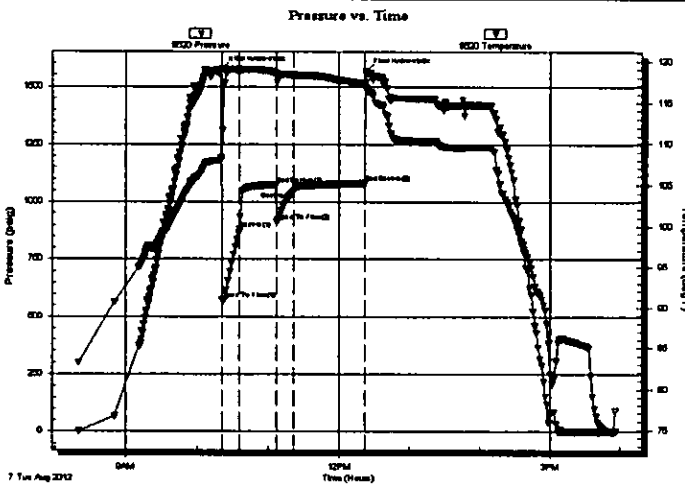
21-17s-8w Ellworth
Kratzer #10
Job Ticket: 49476 **DST#: 1**
Test Start: 2012.08.07 @ 08:10:35

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 10:21:05
Time Test Ended: 15:56:35
Interval: **3180.00 ft (KB) To 3215.00 ft (KB) (TVD)**
Total Depth: **3215.00 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 #: 8520 **Outside**
Press@RunDepth: **1047.01 psig @ 3182.00 ft (KB)** Capacity: **8000.00 psig**
Start Date: **2012.08.07** End Date: **2012.08.07** Last Calib.: **2012.08.07**
Start Time: **08:20:35** End Time: **15:56:35** Time On Btrm: **2012.08.07 @ 10:20:35**
Time Off Btrm: **2012.08.07 @ 12:23:35**

TEST COMMENT: IF-B.O.B Instantly
ISI-6 inch blow back in 10 minutes. Died off to 1 inch blow.
FF-B.O.B. in 10 seconds. GTS in 10 minutes 30 seconds.
FSI-B.O.B return @ 7 minutes.



PRESSURE SUMMARY

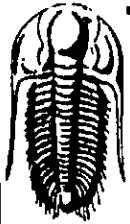
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1572.30	108.20	Initial Hydro-static
1	577.13	108.21	Open To Flow (1)
16	882.03	118.81	Shut-in(1)
46	1075.48	118.53	End Shut-in(1)
47	913.23	118.41	Open To Flow (2)
61	1047.01	118.33	Shut-in(2)
122	1080.22	117.26	End Shut-in(2)
123	1562.62	116.79	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
248.00	30%Oil/70%Mud	0.00
2689.00	50%Gas/50%Oil	37.72
0.00	278' G.I.P.	0.00

Gas Rates

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



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TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah Oil Company

21-17s-8w Ellworth

225 N. Market STE 300
Wichita KS 67202

Kratzer #10

Job Ticket: 49476

DST#: 1

ATTN: Seth

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:

bbbl

Water Loss: 8.99 in³

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 bbbl
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

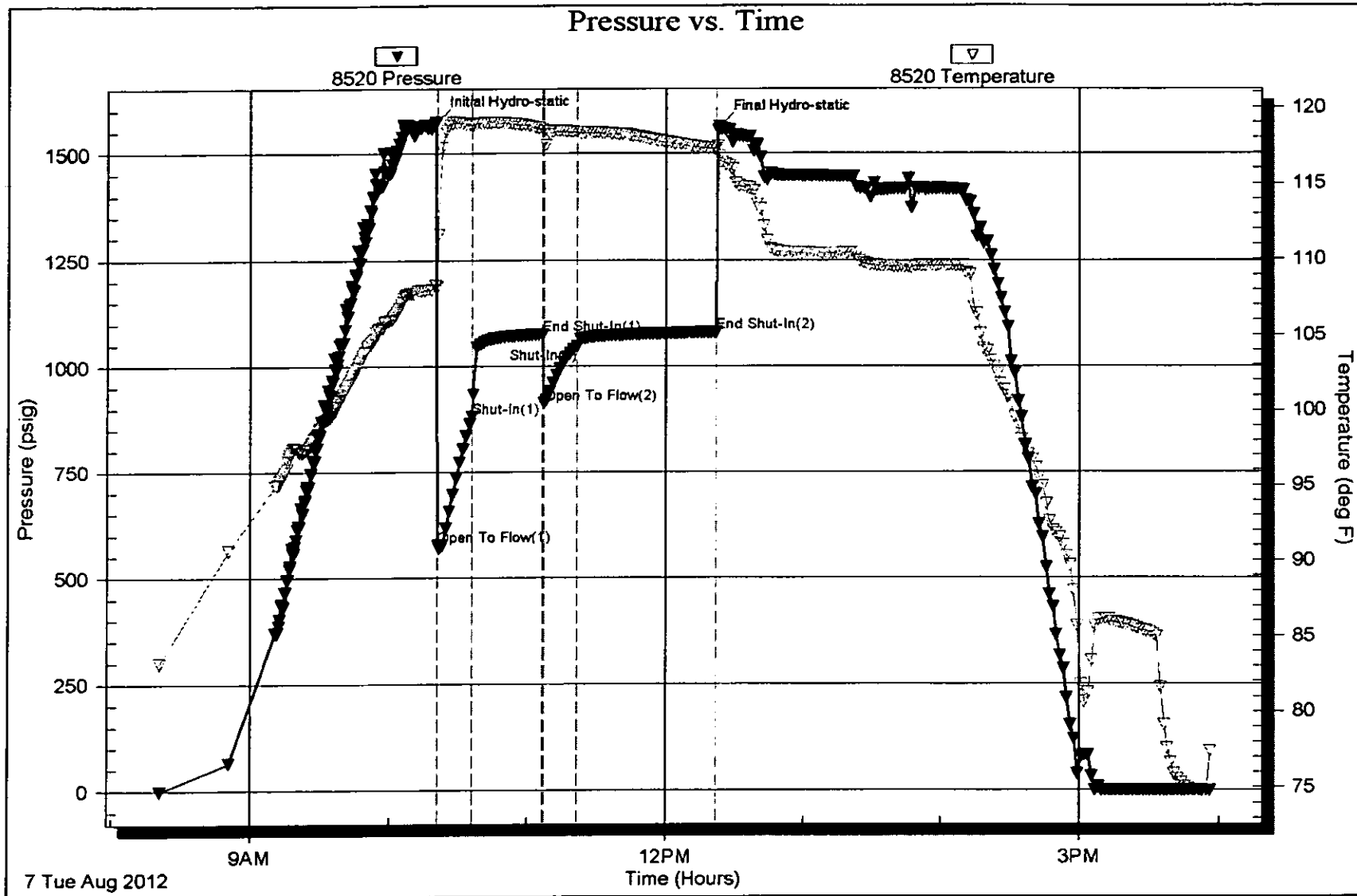
Num Gas Bombs: 0

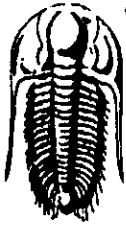
Serial #:

Laboratory Name:

Laboratory Location:

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





**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

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

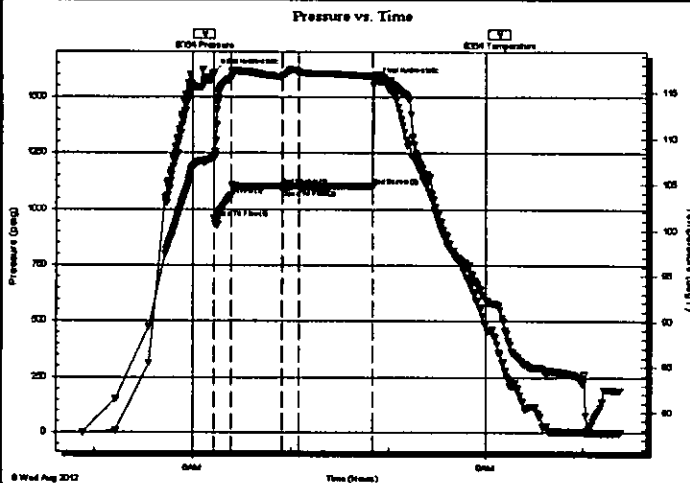
21-17s-8w Ellworth
Kratzer #10
Job Ticket: 49477 **DST#: 2**
Test Start: 2012.08.08 @ 04:43:15

GENERAL INFORMATION:

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

Serial #: 8354 **Inside**
Press@RunDepth: 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 Btmr: 2012.08.08 @ 06:12:55
Time Off Btmr: 2012.08.08 @ 07:51:45

TEST COMMENT: IF-Very Strong Blow . BOB in 30 Seconds.
IS-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)



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Darrah Oil Company

21-17s-8w Ellworth

225 N. Market STE 300
Wichita KS 67202

Kratzer #10

Job Ticket: 49477

DST#: 2

ATTN: Seth

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:

bbf

Water Loss: 8.98 in³

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 bbf
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 bbf

Num Fluid Samples: 0

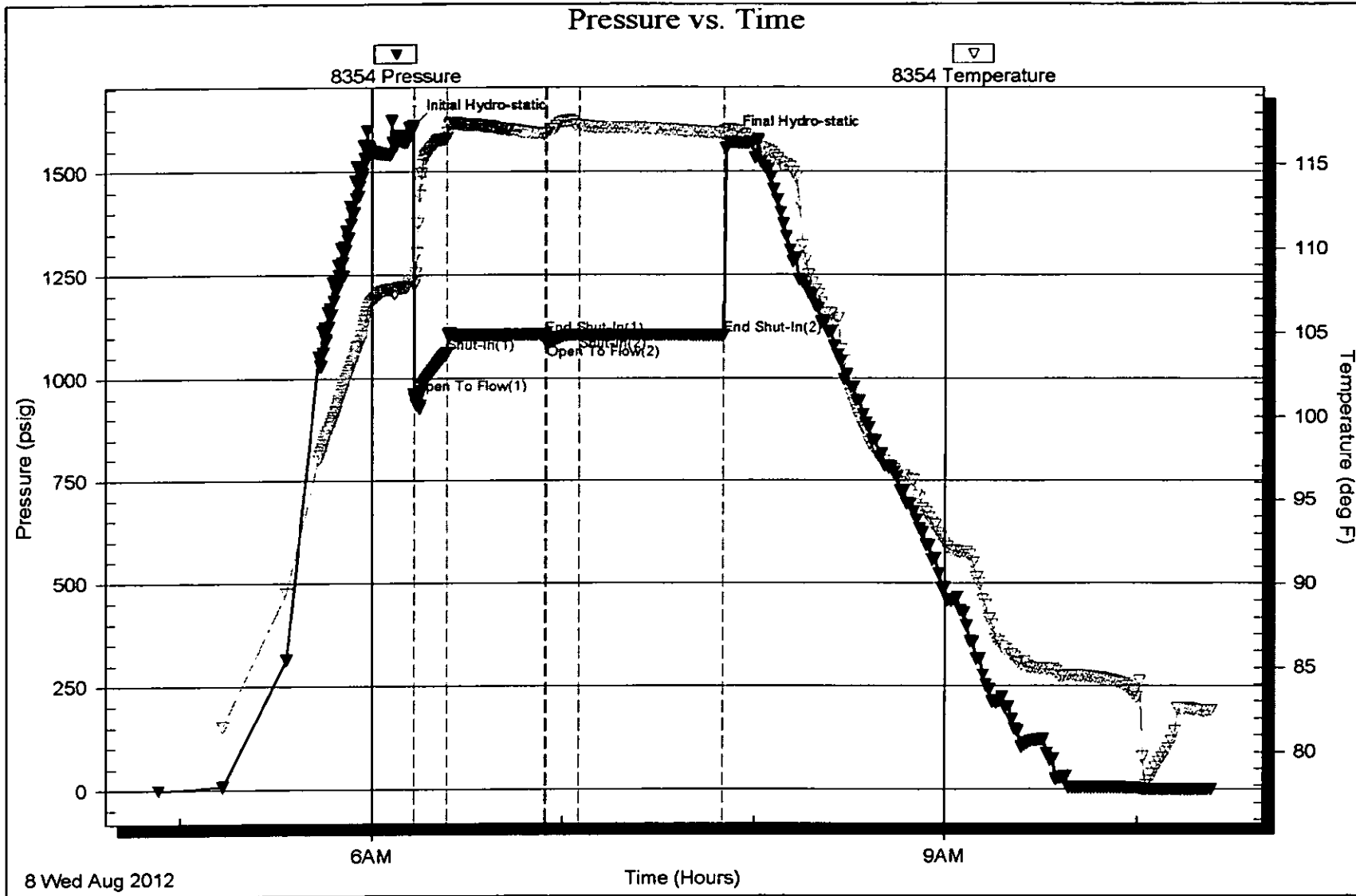
Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:



QUALITY OILWELL CEMENTING, INC.

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	Kratzsch	Well No.		Location	4, 14 Jct 3N Winto											
Contractor	mullard drilling							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							Hole Size	12 1/4	T.D.	288					
Csg.	8 5/8							Depth	288							
Tbg. Size								Charge To	Bo Derrah Oil							
Tool								Street								
Cement Left in Csg.								City								
Meas Line	2 Off							Shoe Joint	The above was done to satisfaction and supervision of owner agent or contractor.							
								Displace	17 BA		Cement Amount Ordered	170 3% CC 2% gel				

EQUIPMENT

Pumptrk	#16	No.	Cement	#16	Common	170
			Helper			
Bulktrk		No.	Driver	Harris	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
	Handling 179
	Mileage

FLOAT EQUIPMENT

	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 03735 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: Kralzer		WELL NO: 10					
ADDRESS:		COUNTY: Ellsworth		STATE: Kansas					
CITY:		STATE:		SERVICE CREW: Messick, M. Mattel, B. Reed					
AUTHORIZED BY:		JOB TYPE: C/W - Longstring							
EQUIPMENT#	HRS	EQUIPMENT#	HRS	EQUIPMENT#	HRS	TRUCK CALLED: 8-8-12	DATE	AM	TIME
37216	1					ARRIVED AT JOB	8-8-12	AM	4:30
						START OPERATION		AM	8:30
1992-1995	1					FINISH OPERATION		AM	4:30
1991-19962	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	\$17.00	1,700.00
CP103	60/40 Poz Cement	sk	30	\$12.00	360.00
CC111	Salt	lb	845	\$0.50	422.50
CC127	FLA 322 Low Fluid Loss	lb	48	\$0.75	36.00
CC201	Gilsonite	lb	500	\$0.75	375.00
CF103	Top Rubber Plug, 5 1/2"	ea	1	\$105.00	105.00
CF251	Regular Guide Shoe, 5 1/2"	ea	1	\$250.00	250.00
CF1451	Insert Float Valve, 5 1/2"	ea	1	\$215.00	215.00
CF1651	Turbolizer, 5 1/2"	ea	3	\$110.00	330.00
CC151	Mud Flush	gal	500	\$0.86	430.00
E100	Pick up Mileage	mi	85	\$4.20	357.00
E101	Heavy Equipment Mileage	mi	170	\$6.94	1,180.00
E113	Bulk Delivery	mi	510	\$1.58	809.80
CF204	Cement Pump: 300 Feet To 4000 Feet	hr	4	\$54.00	216.00
CF240	Bleeding and Mixing Service	sk	130	\$1.40	182.00
CF304	Plug Cement	sk	2	\$125.00	250.00
S003	Service Supervisor	hrs	8	\$21.88	175.04

SUB TOTAL

DLS \$ 7,225.69

CHEMICAL / ACID DATA:			

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

SERVICE REPRESENTATIVE: *[Signature]*

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:

FIELD SERVICE ORDER NO.

(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

Customer Darrah Oil Company	Lease No.	Date 8-8-12
Lease Kratzer	Well # 10	
Field Order # 6240	Station Pratt, Kansas	Casing" 5 1/2
Type Job C.N.W - Longstring	Depth 3292 Feet	County Ellsworth
	Formation	State Kansas
		Legal Description 21-175-8W

PIPE DATA		PERFORATING DATA		CEMENT USED		TREATMENT RESUME		
Casing Size 5 1/2	Tubing Size 4 1/2	Shots/Ft	100	sacks	AA2	RATE	PRESS	ISIP
Depth 3292 Feet	Depth	From	To	58 Feet	Fluid Loss, 188 Gal.	Max	5 Lb./sk	5 Min.
Volume 80.3 Bbl	Volume	From	To	15.37	Gal./sk, 5.63 Gal./sk	Min	39 CU. FT.	10 Min.
Max Press 1,500 P.S.I.	Max Press	From	To			Avg		15 Min.
Well Connection 1 1/2" Galv. Container	Annulus Vol.	From	To	30	sacks 60/40 Poz to plug Rat Hole	NHP Used		Annulus Pressure
Plug Depth 321 Feet	Plucker Depth	From	To		Flush 79.8 Bbl. Fresh Water	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 Auto Fill Insert Screwed into collar and a total of 79 Joints now 14 Lb / Ft 5 1/2" A Turbolizer was installed on collars # 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	6.5	Start Fresh Water Displacement.
			79.8	5	start to lift cement
9:00	400				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, Mike, Brett