



KANSAS CORPORATION COMMISSION 1051767  
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 ) 263-2243  
CONTRACTOR: License # 30567  
Name: Rig 6 Drilling Co., Inc.  
Wellsite Geologist: William M. Stout  
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 #:

08/23/2010	08/28/2010	11/1/2010
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-073-24143-00-00

Spot Description:

NW SE SW NW Sec. 1 Twp. 24 S. R. 9  East  West  
2,214 Feet from  North /  South Line of Section  
885 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE  NW  SE  SW

County: Greenwood

Lease Name: Marshall Well #: #25

Field Name: Thrall-Aagard

Producing Formation: Bartlesville Sand

Elevation: Ground: 1359 Kelly Bushing: 1363

Total Depth: 2380 Plug Back Total Depth:

Amount of Surface Pipe Set and Cemented at: 310 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: 901 ppm Fluid volume: 50 bbls

Dewatering method used: Evaporated

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: Deanna Garrison Date: 03/10/2011



1051767

Operator Name: Darrah, John Jay, Jr. Lease Name: Marshall Well #: #25  
 Sec. 1 Twp. 24 S. R. 9  East  West County: Greenwood

**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  Yes  No  
 (Attach Additional Sheets)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No

Electric Log Submitted Electronically  Yes  No  
 (If no, Submit Copy)

List All E. Logs Run:

Gamma Ray Neutron Cement Bond Completion Log

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Ardmore	2159	-830
Bartlesville Sand	2309	-950
Base Bartlesville Sand	2320	-961

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	12.25	8.625	23	203	A	100	
Production	5.5	4.5	9.5	1	H	210	

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 (Amount and Kind of Material Used)	Depth
2	2312-2322	1200 Gal 15% HCL & 20k	
		See attached Frac ticket	

TUBING RECORD:		Size: <u>2.375</u>	Set At: <u>2358</u>	Packer At: <u>NA</u>	Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. <u>11/1/2010</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>12</u>	Gas Mcf <u>0</u>	Water Bbls. <u>14</u>	Gas-Oil Ratio <u>100</u>	Gravity <u>32</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" 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) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>2312-2322</u>
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# GEOLOGICAL REPORT

**John Jay Darrah, Jr.**

**Marshall #25**

**NW SE SW NW Section 1-T24S-R9E**

**Greenwood County, Kansas**

COMMENCED: 08-23-10

STATUS: Oil

COMPLETED: 08-28-10

A.P.I. #: 15-073-24143

CONTRACTOR: Rig 6 Drilling Company

OPERATOR LIC.: 5088

SIZE OF HOLE: 6 3/4"

FIELD: Thrall-Aagard

SURFACE PIPE: 8 5/8"

ELEVATION: 1359 G.L. Est.

CEMMENTED WITH: N/A

LOGS: None

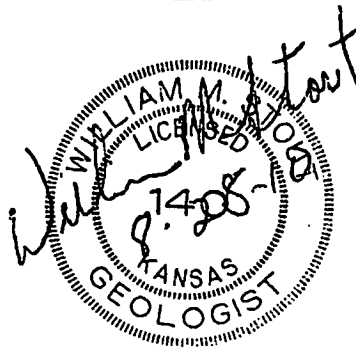
LONG STRING: 4 1/2"

MUD SYSTEM: Chemical

CEMENTED WITH: N/A

OTHER:

R.T.D.: 2380'



William M. Stout  
Geologist

### FORMATION TOPS

1359 G.L. Est.

	Sample
Ardmore	2159 -830
Bartlesville Sand	2309 -950
Base Bartlesville Sand	2320 -961
Total Depth	2380 -1021

### SAMPLE DESCRIPTIONS

Bartlesville Sand 2309' (-950)

2309' - 2320'

Sandstone - light brown, fine grain, micaceous, friable, some calcareous, fair odor, light stain, show free oil with gas bubbles, fair fluorescence, poor to fair porosity.

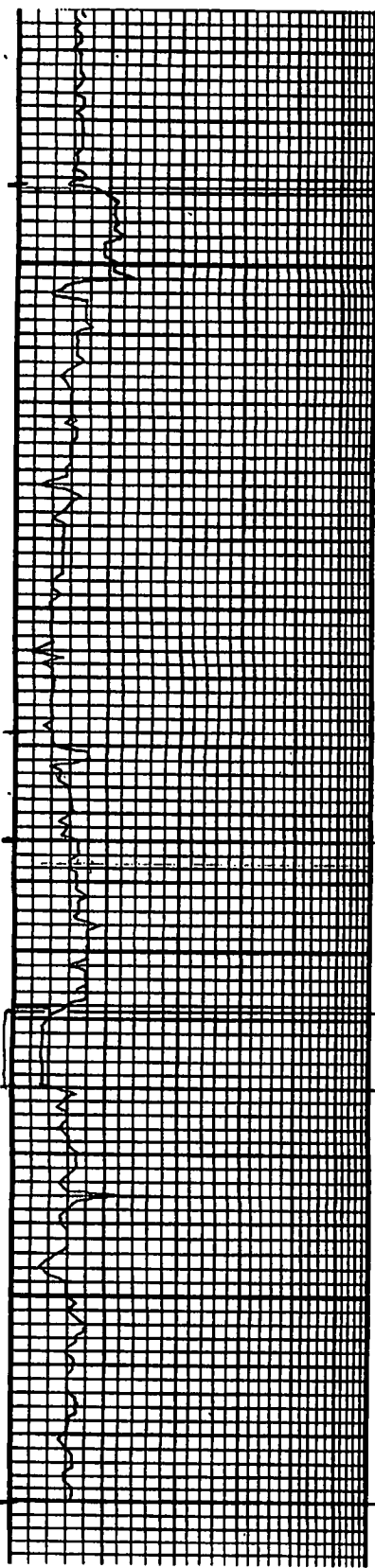
### CONCLUSIONS

The decision to run casing was made to further evaluate the Bartlesville Sand through perforations.

### LEGEND

Anhydrite	Salt	Sandstone	Shale	Carb sh	Limestone	Ool.Lime	Chert	Dolomite

DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Decreases	DEPTH	LITHOLOGY	SAMPLE DESCRIPTIONS	OIL SHOWS	REMARKS
	2100		10-11. BRN. BRN. F-X. FOX. DNF. NS. W/P 3/5N. B.C.C.A.R.D.		1359 G.L.
			SH. GY. L. BR. W/FS. LT. GY. F. G. G. G. H. H. W. P. P. P.		
			SH. GY. L. BR. S/SDY. WAXY.		
			SH. GY. BRN. DK GY.		
	50		SH. GY. DK GY. BRN.		



2200

50

2300

50

SH-DKGY Gy GRN.
SH-AA.
ls. Gy H. Ben F. X. Fos. DN7. N. S. W. P. W. / SH-DKGY BK.
SH-BLK CARB. w/ls. AA.
SH-Gy. DKGY. GEN.
SH-AA. S/BLK.
SH-DKGY, Gy, GEN.
SH-AA.
SH-DKGY Gy. BK. TO PYR.
SH-AA. S/SDY
SH-DKGY Gy. S/BLK. SDY.
SH-AA. H.D. CARB IN PK.
SH-AA.
SH-AA. BRN F. L. ALICA. FOL. FR OR. L. S. S. W. N. C. B. PO. L. S. W. N. C. B. S. W. N. C. B.
SH-Gy. DKGY. GEN.
SH-AA.
SH-AA. In Coal
SH-DKGY Gy of COAL
SH-AA
SH-DKGY Gy GRN.

ARDMORE  
2189(-83C)

DARTLESVILLE  
SH  
2309(-95C)

BASE  
DARTLESVILLE  
S.  
2320(-96i)

R.T.D.  
2380(-102)



**CONSOLIDATED**  
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

TICKET NUMBER 50905  
FIELD TICKET REF # \_\_\_\_\_  
LOCATION Thayer  
FOREMAN Walter Humber

**TREATMENT REPORT  
FRAC & ACID**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-22-10		Marshall # 25	1	24S	9E	GW

CUSTOMER  
John Jay Darcak

MAILING ADDRESS

CITY STATE ZIP CODE

TRUCK #	DRIVER	TRUCK #	DRIVER
476	Josh K...	432783	Ed Stink...
<del>431</del>	London		
482	Eric		
45791	Charles		
45795	Tommas	457	St. H-29
417710	Garage		

**WELL DATA**

CASING SIZE 4 1/2 TOTAL DEPTH

CASING WEIGHT PLUG DEPTH

TUBING SIZE PACKER DEPTH

TUBING WEIGHT OPEN HOLE

PERFS & FORMATION

2311 IP (21) Beekville

**TYPE OF TREATMENT**

frac

**CHEMICALS**

Kelcroc - Discol - Stimul - Breaker

STAGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND / STAGE	PSI	
1911	115	20.9			1400	BREAKDOWN N/A
20:40		21	15		↓	START PRESSURE
20:40		21	10	3,000"	↓	END PRESSURE
12:50			15		1600	BALL OFF PRESS
12:50			1.5		↓	ROCK SALT PRESS
12:50			2.0		↓	ISIP 525
12:20			2.0		↓	5 MIN 640
12:26			2.7		1100	10 MIN 610
12:20			3.5			15 MIN 594
12:20		21	3.0		1200	MIN RATE
12:20		21	3.0	16,200"	↓	MAX RATE
FLUGH CASING	30	21			1700	DISPLACEMENT 37.5
TOTAL TIME	450		TOTAL	19500"		

REMARKS: 20:40 - hold safety pressure - \*well at max rate sealed shut down before complete flush - pack sand too tight

Location 2:0317N - 2:0317W 1000 miles

AUTHORIZATION \_\_\_\_\_ TITLE Walter Humber DATE 7-22-10

Terms and Conditions are printed on reverse side.

Prepared by: Consolidated Oil Well Services

Company Name: John Jay Darrah Jr. Darrah Oil Company

Well Name: Marshall #25

Field: NW 1-24-9

Formation: Bville

County: GW

State: KS

Job Date: 09/22/10

Comments: Sand Frac

Perfs 2312-22, 21 shtsw

Fluids: 458 bbls, city, kcl, 25# gel, biocide

Proppants: 3000# 20/40, 16800# 12/20

Average Rate: 20.9

Average STP: 1250

Tubing:

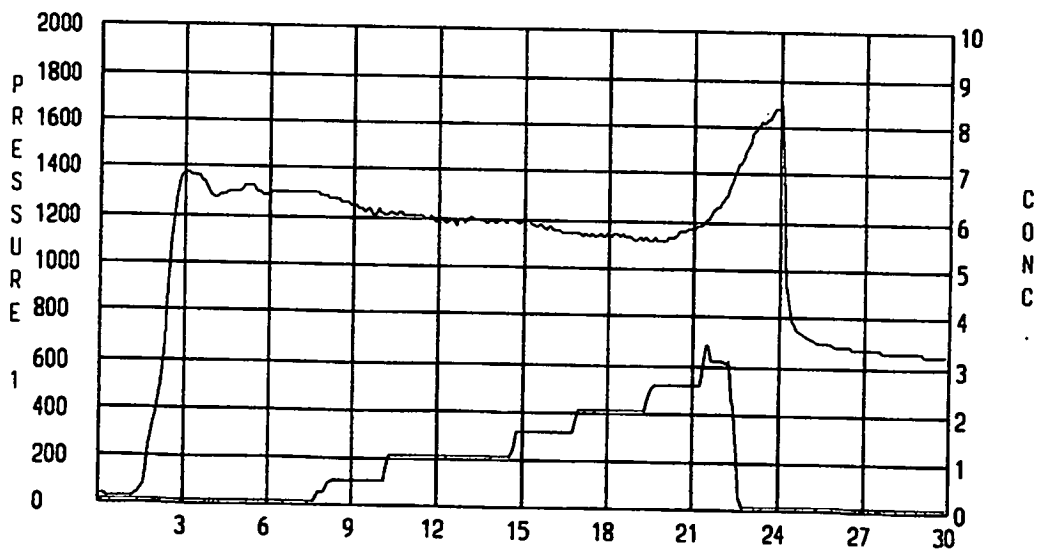
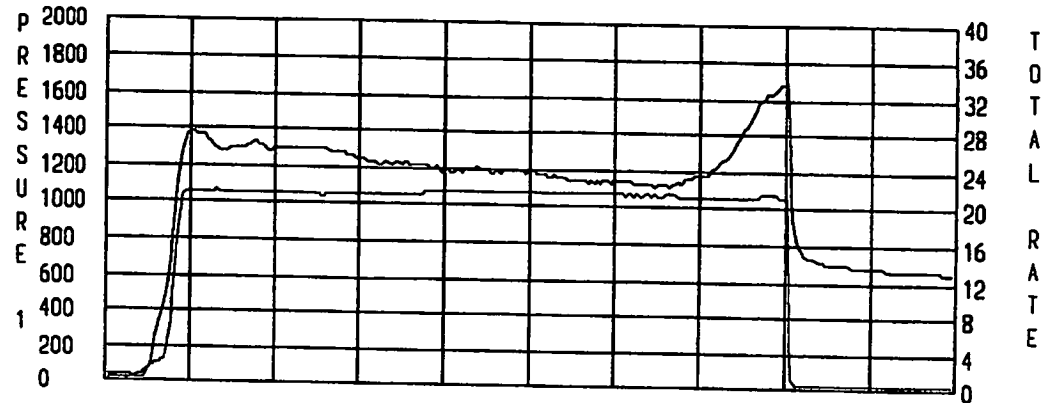
Casing: 4 1/2

Packer:

Filename: 08072501

Closure Pres: 4000

### LINEAR PLOT



Elapsed Time (min), Start at 14:39:41



**CONSOLIDATED**  
Oil Well Services, LLC

TICKET NUMBER 29076  
LOCATION \_\_\_\_\_  
FOREMAN \_\_\_\_\_

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-14-10	2470	Marsh-11-25	1	24	4	SW

CUSTOMER  
John Jay Dorrch JR

MAILING ADDRESS  
225 N Market St Ste 300

CITY wichita STATE KS ZIP CODE \_\_\_\_\_

TRUCK #	DRIVER	TRUCK #	DRIVER
<u>443</u>	<u>J.P</u>		

JOB TYPE Acid HOLE SIZE 6 7/8 HOLE DEPTH 2380 CASING SIZE & WEIGHT 4 1/2 9.5

CASING DEPTH \_\_\_\_\_ DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_

SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING \_\_\_\_\_

DISPLACEMENT 66 BBL's DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 5 bpm

REMARKS: Safety meet. 39 - Rig up to 4 1/2 casing - slab down to bottom perfor (2312-2322) 21 shots (Drop 40 Ball sealers) - pump 2.50 Gallons 15% HCL acid 30.2 BBL's KCL water hole loaded 30.2 stage well 500' - 750' well broke at 850' over flush 50 BBL's KCL water - shutdown. Rig down swab well down to 1300' - Rig up to 4 1/2 again pump 950 gallons 15% HCL acid w/INH - Drop 40 Ball sealers well balled off 2600' Release Ball sealers wait 15 mins continue flush 66 BBL's KCL water at 5 bpm 2.50' shutdown 750' 5 mins 700' down 670' Close welling. Job complete Rig down

Thank you  
Ed J. Scott

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5303	1	PUMP CHARGE	790.00	790.00
5306	10	MILEAGE	3.65	36.50
3107	1200 Gallons	15% HCL acid w/INH	170	2040.00
3171	6 Gallons	IRON CONTROL	40.00	240.00
3175	6 Gallons	non Emul	33.00	198.00
3134	3 Gallons	Surface Tension Reducer	36.00	108.00
3172	3 Gallons	KCL	32.00	96.00
5311	1	Ball Gun Rental	100.00	100.00
4326	40	Ball sealers	3.00	120.00
3129	4500 Gallons	City water 11.90/1000	11.90	6705
	4	water Truck (10) private trucking	100.00	400.00
Subtotal				<u>2726.50</u>
SALES TAX				
ESTIMATED TOTAL				

Ravin 3737

AUTHORIZATION [Signature]

TITLE Well Doctor

DATE 9-14-10

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.





**CONSOLIDATED**  
Oil Well Services, LLC

WELL NUMBER 29112

LOCATION Eureka

FOREMAN Russell McCoy

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
8-28-2010	2470	Marshall # 25	1	24	4	GW

CUSTOMER  
John Jay Darrak JR

MAILING ADDRESS  
225 N. Market ST STE 300

CITY STATE ZIP CODE  
Wichita KS

TRUCK #	DRIVER	TRUCK #	DRIVER
520	CLIFF		
479	DAVE		
543	DAVE		
452 T-63	ED		

JOB TYPE Longstring HOLE SIZE 6 3/4 HOLE DEPTH 2380 CASING SIZE & WEIGHT 4 1/2 9.5

CASING DEPTH 2770 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_

SLURRY WEIGHT 12.5 12.5 SLURRY VOL \_\_\_\_\_ WATER gal/sk 8.0 CEMENT LEFT in CASING 0

DISPLACEMENT 39 Bbl DISPLACEMENT PSI 800 MIX-PSI Bump Plug 1300 RATE \_\_\_\_\_

REMARKS: Safety meeting Rig up to 4 1/2 casing Break circulation w/ 10 Bbl Fresh water, mix 150 SKs 60/40 B/Gel 1/2 # Phensol AT 12.5 # P/GALL. Tail in w/ 60 SK T.S. cement w/ 5 # Kolsol AT 13.5 # Shut Down, wash out Pump + Lines, Release 4 1/2 TOP Rubber Plug. Displace w/ 39 Bbl water. Final Pump PSI 800 # Bump Plug to 1300 # check FLOAT, FLOAT HEID. Good circulation During cementing procedure. Job complete, TRIP Down.

NOTE Rotate casing During cementing procedure.

THANK YOU  
Russell McCoy

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	925.00	925.00
5406	10	MILEAGE	3.65	36.50
1126 A	60 SKs	Thick set cement	17.00	1020.00
1110 A	300 #	Kolsol 5 # P/GALL	.42	126.00
1131	150 SKs	60/40 Pozmix	11.35	1702.50
1118 B	1050 #	= B/Gel	.20	210.00
1107 A	80 #	Phensol	1.15	92.00
5611	1	4 1/2 Rotating Head	100.00	100.00
5407	7.75 Tons	Ton Mileage Bulk Trucks x 2	315	2430.00
4404	1	4 1/2 TOP Rubber Plug	45.00	45.00
4156	1	4 1/2 Flapper TYPE Float Shoe	227.00	227.00
4129	2	4 1/2 x 6 3/4 Centralizer	40.00	80.00
	5,000 gallons	City Water	14.50	72.50
5501C	4 hr	250 Bbl Transport	112.00	448.00
		SubTOTAL		5,114.50

Ravin 3737

AUTHORIZATION WJD TITLE BOSS DATE 8-28-2010

SALES TAX ESTIMATED TOTAL

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.



**CONSOLIDATED**  
Oil Well Services, LLC

TICKET NUMBER 29046

LOCATION EUREKA

FOREMAN Kevin McCoy

PO Box 884, Chanute, KS 66720  
620-431-9210 or 800-467-8676

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY																
8-21-10	2410	MARSHALL * 25	1	245	4E	Gw																
CUSTOMER John Jay DARRAH JR.			<table border="1"> <thead> <tr> <th>TRUCK #</th> <th>DRIVER</th> <th>TRUCK #</th> <th>DRIVER</th> </tr> </thead> <tbody> <tr> <td>445</td> <td>Justin</td> <td></td> <td></td> </tr> <tr> <td>479</td> <td>Troy</td> <td></td> <td></td> </tr> <tr> <td>436</td> <td>ALAN M.</td> <td></td> <td></td> </tr> </tbody> </table>				TRUCK #	DRIVER	TRUCK #	DRIVER	445	Justin			479	Troy			436	ALAN M.		
TRUCK #	DRIVER	TRUCK #					DRIVER															
445	Justin																					
479	Troy																					
436	ALAN M.																					
MAILING ADDRESS 225 N. MARKET ST. Ste 300																						
CITY STATE ZIP CODE WICHITA KS 67202																						
Rig 6 Dr-19.																						

JOB TYPE SURFACE HOLE SIZE 12 1/4 HOLE DEPTH 203' CASING SIZE & WEIGHT 8 5/8" 23"  
 CASING DEPTH 200' DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 15\* SLURRY VOL 24 BBL WATER gal/sk 6.5 CEMENT LEFT in CASING 15'  
 DISPLACEMENT 11.7 BBL DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety Meeting: Rig up to 8 5/8 Casing. BREAK CIRCULATION w/ 5 BBL Fresh water. MIXED 100 SKS CLASS "A" Cement w/ 3% CaCl2, 2% Gel, 1/4" Floccle @ 15"/gal @ 1.35 yield. Displace w/ 11.7 BBL fresh water. Shut casing in. Good Cement Returns to SURFACE. Job Complete. Rig down.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	700.00	700.00
5406	10	MILEAGE	3.55	35.50
11045	100 SKS	CLASS "A" Cement	13.10	1310.00
1102	280 "	CaCl2 3%	.73	204.40
1118 B	200 "	Gel 2%	.20	40.00
1107	25 "	Floccle 1/4"/sk	2.00	50.00
5407	4.7 TONS	Ton Mileage Bulk Truck	M/c	305.00
5502 C	3 Hrs	80 BBL VAC TRUCK	96.00	288.00
1123	2500 GALs	City water	14.50/1000	36.25
<p>pd CL # 28064 # 2918.88</p> <p>Discount - \$ 110.04</p>				
			Sub Total	2969.15
			SALES TAX 7.3%	119.77
			ESTIMATED TOTAL	3088.92

Revin 3737

AUTHORIZATION Witnessed By Bub

TITLE OWNER Rig 6 Delg.

DATE 8-21-10

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.