

# DIAMOND TESTING

## General Information Report

### General Information

Company Name	CRAWFORD PRODUCTION COMPANY	Representative	TIM VENTERS
Contact	BRANCE CRAWFORD	Well Operator	CRAWFORD PRODUCTION CO.
Well Name	TABING #11	Report Date	2014/12/19
Unique Well ID	DST #2, VIOLA, 2940-3018	Prepared By	TIM VENTERS
Surface Location	SEC 31-27S-6E, BUTLER CO. KS.	Qualified By	LARRY FRIEND
Field	KRAMER-STERN		
Well Type	Vertical		
Test Type	CONVENTIONAL		
Formation	DST #2, VIOLA, 2940-3018		
Well Fluid Type	01 Oil		
Start Test Date	2014/12/19	Start Test Time	13:45:00
Final Test Date	2014/12/19	Final Test Time	22:40:00

### Test Recovery:

RECOVERED: 395' GAS IN PIPE  
105' DRLG. MUD W/TR. O, TRACE OIL, 100% MUD  
550' HMCW W/TR. O, TRACE OIL, 57% WATER, 43% MUD  
30' SWCM W/TR. O, TRACE OIL, 11% WATER, 89% MUD  
685' TOTAL FLUID

TOOL SAMPLE: TRACE OIL, 64% WATER, 36% MUD

PH: 7.5  
RW: .29 @ 70 deg.

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## General Information Report

### General Information

Company Name	CRAWFORD PRODUCTION COMPANY	Representative	TIM VENTERS
Contact	BRANCE CRAWFORD	Well Operator	CRAWFORD PRODUCTION CO.
Well Name	TABING #11	Report Date	2014/12/17
Unique Well ID	DST #1, MISSISSIPPIAN, 2720-2730	Prepared By	TIM VENTERS
Surface Location	SEC 21-27S-6E, BUTLER CO. KS.	Qualified By	LARRY FRIEND
Field	KRAMER-STERN		
Well Type	Vertical		
Test Type	CONVENTIONAL		
Formation	DST #1, MISSISSIPPIAN, 2720-2730		
Well Fluid Type	01 Oil		
Start Test Date	2014/12/17	Start Test Time	10:10:00
Final Test Date	2014/12/17	Final Test Time	19:00:00
Gauge Name			
Gauge Serial Number			

### Test Recovery:

#### RECOVERED: 620' GIP

105' G,W&MCO, 2% GAS, 61% OIL, 14% WATER, 23% MUD  
155' G,M,HOCW, 2% GAS, 30% OIL, 54% WATER, 12% MUD  
850' SMCW W/TR. O, TRACE OIL, 88% WATER, 13% MUD  
30' SOHWCM, 3% OIL, 38% WATER, 39% MUD  
1140' TOTAL FLUID

#### GRAVITY: 33

TOOL SAMPLE: 6% GAS, 22% OIL, 31% WATER, 41% MUD

CHLORIDES: 70,000 ppm

PH: 6.5

RW: .21 @ 64 deg.





**CONSOLIDATED**  
Oil Well Services, LLC

REMIT TO  
Consolidated Oil Well Services, LLC  
Dept:970  
P.O.Box 4346  
Houston, TX 77210-4346

MAIN OFFICE

P.O.Box884  
Chanute,KS 66720  
620/431-9210,1-800/467-8676  
Fax 620/431-0012

Invoice

Invoice#

802753

Invoice Date: 12/23/14

Terms: Net 30

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CRAWFORD PRODUCTION CO

P.O. BOX 727  
EL DORADO KS 67042  
USA  
6203213942

TABING #11

Part No	Description	Quantity	Unit Price	Discount(%)	Total
5401	Cement Pumper	1.000	1,085.0000	0.000	1,085.00
5406	Mileage Charge	25.000	4.2000	0.000	105.00
5407	Min. Bulk Delivery Charge	1.000	368.0000	0.000	368.00
5402	Casing Footage	500.000	0.2300	0.000	115.00
1104S	Class A Cement	100.000 <i>sks</i>	15.7000	30.000	1,099.00
1118B	Premium Gel / Bentonite	300.000	0.2200	30.000	46.20
1102	Calcium Chloride (50#)	200.000	0.7800	30.000	109.20
1110A	Kol Seal (50# BAG)	500.000	0.4600	30.000	161.00
1144G	Mud Flush	500.000	1.1000	0.000	550.00
4253	Type A Packer Shoe 6 1/2 x 6 3/4 (5 1/2)	1.000	1,663.0000	0.000	1,663.00
4454	5 1/2 Latch Down Plug	1.000	266.7500	0.000	266.75
4130	Centralizer 5 1/2	2.000	50.5000	0.000	101.00
4136S	Turbolizer S Band 5 1/2"	3.000	52.5000	0.000	157.50
4104	Cement Basket 5 1/2	1.000	290.0000	0.000	290.00

*These field ticket would not copy very well. This is the list of exp. on the production cement job. Set packer @ 1500.*

*David  
12-26-14*

Subtotal 6,723.25  
Discounted Amount 606.60  
SubTotal After Discount 6,116.65  
Amount Due 7,046.47 If paid after 01/22/15

*Ran 100 sks of class "A"*

*Production 5 1/2*

Tax: 284.39  
Total: 6,401.04



**CONSOLIDATED**  
Oil Well Services, LLC

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

JM 1483

FT 1449

TICKET NUMBER 48438

LOCATION 180

FOREMAN Jeff Shell

**Invoice # 802685**

**FIELD TICKET & TREATMENT REPORT**

**CEMENT**

API# 15-015-24050-00-00

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
12/14/12	2373	Tgbing # 11	21	27	6	Butler

  

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
Crawford Production Co. MAILING ADDRESS PO Box 727 CITY E/Dorado	603	Tracy		
	775	Dustin		
	539	Jeff		

  

STATE	ZIP CODE
KS	67042

JOB TYPE Surface HOLE SIZE 12 1/4 HOLE DEPTH 262 CASING SIZE & WEIGHT 8 5/8  
 CASING DEPTH 261 DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.7 SLURRY VOL 37 WATER gal/sk \_\_\_\_\_ CEMENT LEFT IN CASING 20ft  
 DISPLACEMENT 15 DISPLACEMENT PSI 200 MIX PSI 150 RATE 5.0

REMARKS: Safety Meeting, broke circ. pumped 150 SKS C1955 A Cement  
3% calcium 2% gel 1/2 lb Poly displaced to surface with 15 bbls  
fresh water

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
54015	1	PUMP CHARGE	870.00	870.00
5406	16	MILEAGE	4.20	67.20
5407	1	min Bulk delivery	368.00	368.00
11045	2170	150sk c.1955 A cement	15.70	2355.00
1102	400lbs	calcium chloride	.78	312.00
1118B	300lbs	Gel	1.22	66.00
1107	75lbs	Polyflake	2.47	185.25
			Sub	4223.45
		less Customer Discount	-870.00	276.50
		Subtotal		3953.45
		Minus 30% material Discount	875.48	3077.97
		Subtotal		3077.97
		SALES TAX	6.4	113.46
		ESTIMATED TOTAL		3191.43

Revin 9737

AUTHORIZATION Cotton TITLE \_\_\_\_\_ DATE \_\_\_\_\_

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

JM 1760 FT 1708

TICKET NUMBER 48501  
LOCATION 180  
FOREMAN Jacob Storm

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

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT INVOICE #802962**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
1-13-15	2373	Tatting #11	21	27	6E	Butler
CUSTOMER Crawford production			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS PO Box 727			603	Tracy		
CITY Eldorado			775	Jayler		
STATE KS			692	Mark		
ZIP CODE 67042			702	Jacob		

JOB TYPE Squeez 2 B HOLE SIZE \_\_\_\_\_ HOLE DEPTH \_\_\_\_\_ CASING SIZE & WEIGHT 5 1/2  
 CASING DEPTH \_\_\_\_\_ DRILL PIPE \_\_\_\_\_ TUBING \_\_\_\_\_ OTHER \_\_\_\_\_  
 SLURRY WEIGHT 14.5 SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT IN CASING \_\_\_\_\_  
 DISPLACEMENT 12.61 DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE \_\_\_\_\_

REMARKS: Safety meeting, Preshear backside to 500 Shut in, find Rate at 3bpm 1600 psi, mix 71 sls class A 1/4cc displaced with 1 1/2 bbl stage for 2hr preshear to 1500 Held for 15min flush packer and shut in at 600 psi

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1085.00	1085.00
5406	25	MILEAGE	4.20	105.00
5407	1	min bulk delivery	368.00	368.00
5502	4	80 vac	90.00	360.00
1104 S (2652)	71	class A	19.70	1114.70
1102	57	calcium chloride	1.78	44.46
5613	1	Squeez manifold	200.00	N/C
4478	1	5 1/2 Head	287.00	287.00
			Sub total	3964.16
			<del>Sub total</del>	<del>3964.16</del>
			-	347.74
			total	3016.42
			6.4 SALES TAX	70.30
			ESTIMATED TOTAL	3086.71

AUTHORIZATION \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

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