



**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: \_\_\_\_\_



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) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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# Socrates #1H

Rice County, KS

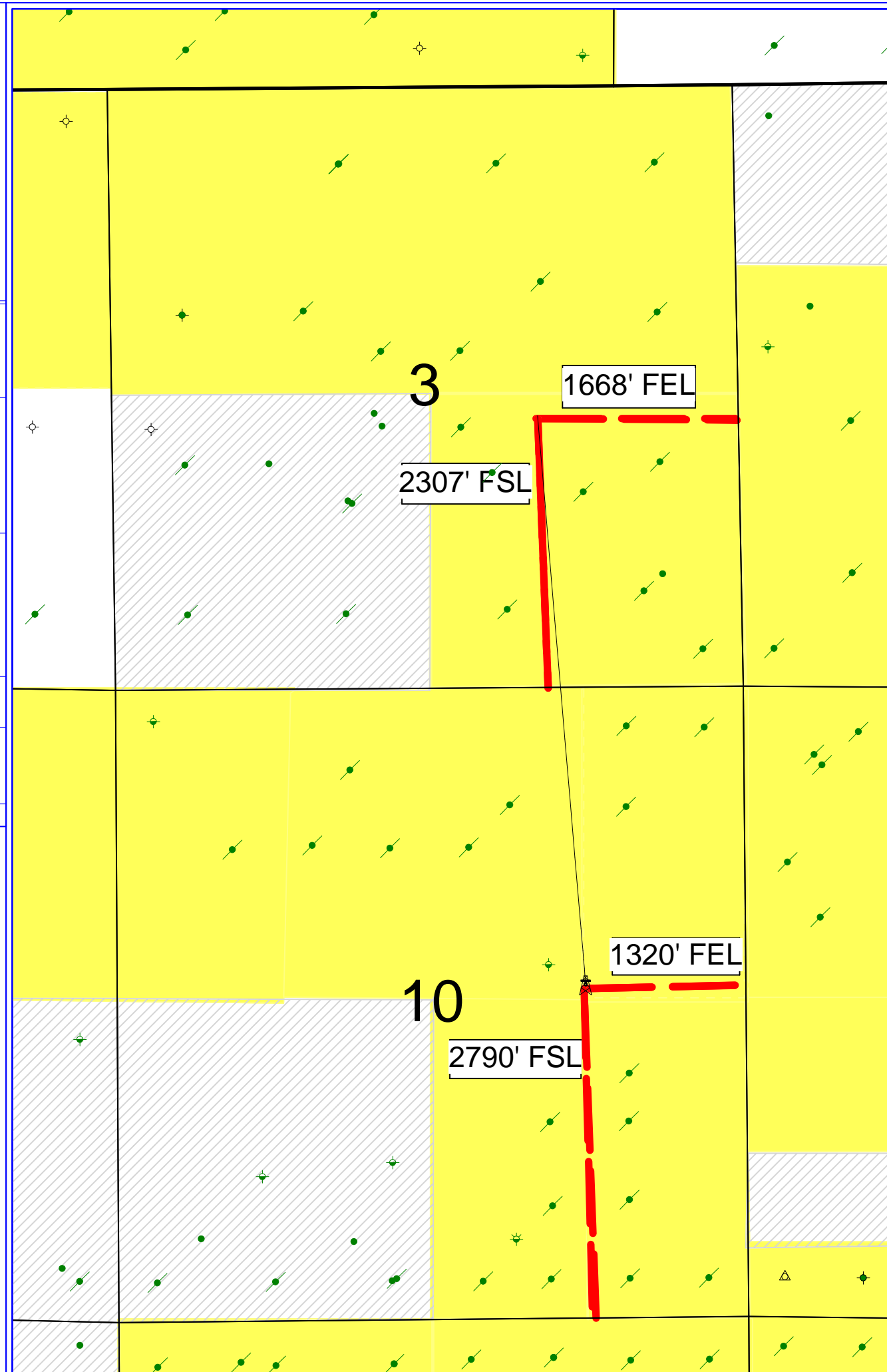
Sec 10 - 21S- 7W

- WELL SYMBOLS
- Oil Well
  - Dry Hole
  - △ Service Well
  - ⊕ Dry Hole, With Show of Oil
  - ⊕ Dry Hole, With Show of Oil & Gas
  - ⊕ Drilling Well
  - ⊕ Plugged Oil Well

By: Leah A. Kasten



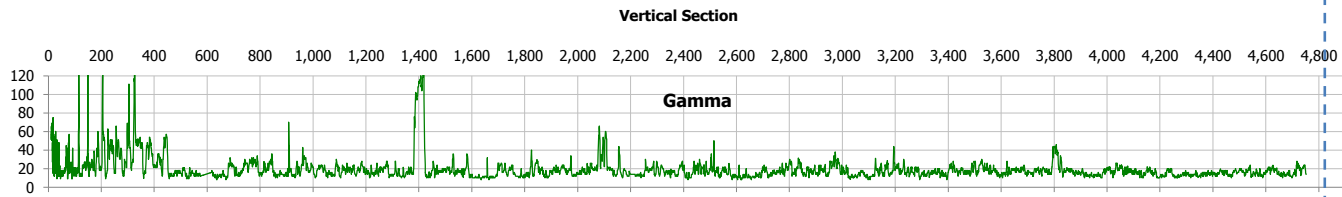
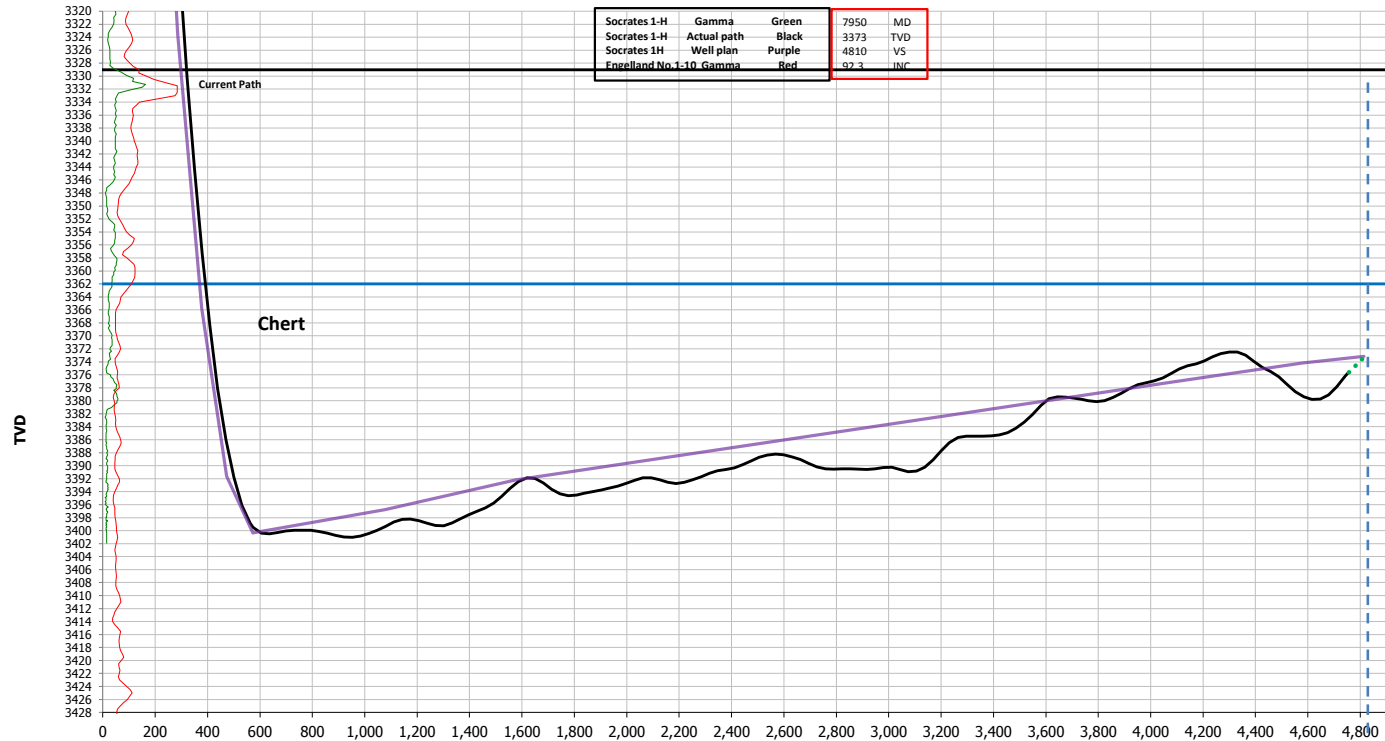
November 26, 2012



Surface: 150' FSL 1320 FEL NE/4  
 Sec 10-21S-7W  
 KB: 1614

**CMX Socrates 1H**  
**Sec 10-21S-7W**  
**Rice Co. Kansas**

EOL: 2310 FSL 1650 FEL SE/4  
 Sec 3-21S-7W







Company:	Husky Ventures	Job Number:	OK11133
Well:	Hoffman 1-25	Mag Decl.:	4.43
Location:	McPherson Co, Kansas	Dir Driller:	Greg Becker/Doug Randall
Rig:	Duke #20	MWD Eng:	Anthony Donaruma
Leg:	Main Leg	MWD Eng:	Tyler Garret

Calculation Method:	Minimum Curvature
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Proposed Azimuth	355.44
Depth Reference	Directional Driller
Tie Into:	Wireline

Survey Number	Survey Depth (ft)	Inclination (deg)	Azimuth (deg)	Course Length (ft)	True Vertical Depth (ft)	Vertical Section (ft)	Coordinates		Closure		Dogleg Severity (ft/100')	Build Rate (d/100')	Walk Rate (d/100')		
							N/S (ft)	E/W (ft)	Distance (ft)	Direction Azimuth					
132	6593	90.7	356.4	32	3384.91	3454.22	3443.40	N	273.24	W	3454.22	355.46	1.13	0.63	0.94
133	6625	91.7	356.4	32	3384.24	3486.21	3475.33	N	275.25	W	3486.21	355.47	3.12	3.13	0.00
134	6656	91.9	356.0	31	3383.27	3517.19	3506.24	N	277.30	W	3517.19	355.48	1.44	0.65	-1.29
135	6688	92.3	355.4	32	3382.10	3549.17	3538.13	N	279.70	W	3549.17	355.48	2.25	1.25	-1.88
136	6720	92.7	355.0	32	3380.70	3581.14	3569.99	N	282.37	W	3581.14	355.48	1.77	1.25	-1.25
137	6751	91.1	355.3	31	3379.67	3612.12	3600.86	N	284.99	W	3612.12	355.47	5.25	-5.16	0.97
138	6783	90.0	356.1	32	3379.37	3644.12	3632.77	N	287.39	W	3644.12	355.48	4.25	-3.44	2.50
139	6815	89.7	356.0	32	3379.45	3676.11	3664.69	N	289.60	W	3676.11	355.48	0.99	-0.94	-0.31
140	6846	89.7	355.8	31	3379.61	3707.11	3695.61	N	291.81	W	3707.11	355.49	0.65	0.00	-0.65
141	6878	89.6	355.4	32	3379.81	3739.11	3727.52	N	294.27	W	3739.11	355.49	1.29	-0.31	-1.25
142	6900	89.6	355.2	22	3379.96	3761.11	3749.44	N	296.07	W	3761.11	355.49	0.91	0.00	-0.91
143	6932	89.8	355.4	32	3380.13	3793.11	3781.33	N	298.69	W	3793.11	355.48	0.88	0.63	0.62
144	6963	90.8	355.8	31	3379.97	3824.11	3812.24	N	301.07	W	3824.11	355.48	3.47	3.23	1.29
145	6995	90.9	356.1	32	3379.49	3856.10	3844.16	N	303.33	W	3856.11	355.49	0.99	0.31	0.94
146	7027	91.4	355.9	32	3378.85	3888.10	3876.07	N	305.56	W	3888.10	355.49	1.68	1.56	-0.63
147	7058	91.4	355.8	31	3378.09	3919.09	3906.98	N	307.81	W	3919.09	355.50	0.32	0.00	-0.32
148	7090	90.6	356.4	32	3377.53	3951.08	3938.90	N	309.98	W	3951.08	355.50	3.12	-2.50	1.87
149	7122	90.5	356.3	32	3377.23	3983.07	3970.84	N	312.02	W	3983.08	355.51	0.44	-0.31	-0.31
150	7153	90.6	356.2	31	3376.93	4014.07	4001.77	N	314.05	W	4014.07	355.51	0.46	0.32	-0.32
151	7185	91.0	356.5	32	3376.48	4046.06	4033.70	N	316.08	W	4046.07	355.52	1.56	1.25	0.94
152	7217	91.4	356.2	32	3375.81	4078.05	4065.63	N	318.12	W	4078.06	355.53	1.56	1.25	-0.94
153	7248	91.2	355.9	31	3375.11	4109.04	4096.55	N	320.25	W	4109.05	355.53	1.16	-0.65	-0.97
154	7280	90.6	356.2	32	3374.61	4141.03	4128.47	N	322.46	W	4141.04	355.53	2.10	-1.88	0.94
155	7312	90.5	355.5	32	3374.30	4173.03	4160.38	N	324.77	W	4173.04	355.54	2.21	-0.31	-2.19
156	7343	91.0	357.0	31	3373.89	4204.03	4191.31	N	326.80	W	4204.03	355.54	5.10	1.61	4.84
157	7375	91.3	357.4	32	3373.25	4236.00	4223.27	N	328.36	W	4236.01	355.55	1.56	0.94	1.25
158	7407	90.6	357.3	32	3372.72	4267.98	4255.23	N	329.84	W	4267.99	355.57	2.21	-2.19	-0.31
159	7439	90.3	357.8	32	3372.47	4299.96	4287.20	N	331.21	W	4299.97	355.58	1.82	-0.94	1.56



















PO Box 470308  
Fort Worth, TX 76147

Voice: (817) 546-7282  
Fax: (817) 246-3361

# INVOICE

Invoice Number: 129744  
Invoice Date: Dec 30, 2011  
Page: 1

**Bill To:**  
CMX, Inc.  
1700 N Waterfront Parkway  
Bldg 300, Suite B  
Wichita, KS 67206

Federal Tax I.D.#: 20-5975804

Customer ID	Well Name / # of Closures / P/O	Payment Terms	
CMX	Socratus # 1-H	Net 30 Days	
Job Location	Camp Location	Start Date	End Date
KS2-01	Medicine Lodge	Dec 30, 2011	1/29/12

Quantity	Item	Description	Unit Price	Amount
200.00	MAT	Class A Common	16.25	3,250.00
4.00	MAT	Gel	21.25	85.00
7.00	MAT	Chloride	58.20	407.40
211.00	SER	Handling	2.25	474.75
25.00	SER	Mileage	23.21	580.25
1.00	SER	Surface	1,125.00	1,125.00
25.00	SER	Heavy Vehicle Mileage	7.00	175.00
1.00	SER	Manifold Head Rental	200.00	200.00
25.00	SER	Light Vehicle Mileage	4.00	100.00
1.00	EQP	13 3/8 TRP	341.00	341.00
1.00	EQP	13 3/8 Guide Shoe	672.00	672.00
1.00	EQP	13 3/8 Sure Seal Float Collar	1,460.00	1,460.00
3.00	EQP	13 3/8 Centralizers	73.00	219.00
1.00	EQP	13 3/8 Limit Ring	73.00	73.00
1.00	CEMENTER	David Fello		
1.00	EQUIP OPER	Matt Thimesch		
1.00	EQUIP OPER	Adam Miller		

Subtotal	9,162.40
Sales Tax	475.04
Total Invoice Amount	9,637.44
Payment/Credit Applied	
<b>TOTAL</b>	<b>9,637.44</b>

ALL PRICES ARE NET, PAYABLE  
30 DAYS FOLLOWING DATE OF  
INVOICE. 1 1/2% CHARGED  
THEREAFTER. IF ACCOUNT IS  
CURRENT, TAKE DISCOUNT OF

ONLY IF PAID ON OR BEFORE

Jan 23, 2012

1832.48

# ALLIED CEMENTING CO., LLC. 037867

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:

*Medicine Lake KS*  
*SKT*

DATE <u>12-30-11</u>	SEC. <u>10</u>	TWP. <u>21s</u>	RANGE <u>07w</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>2:15 PM</u>
LEASE <u>Socrates</u>	WELL# <u>1-H</u>	LOCATION <u>Stealing, KS, Egan Stealing Rd,</u>			COUNTY <u>Rice</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one) <u>NEW</u>				to Rd 22, N to Rd. "T", 1/2 E, of center		<u>KS2-01</u>	<u>M&amp;E</u>

CONTRACTOR Duke #20 OWNER CMX 7.3% TAX ONLY

TYPE OF JOB Surface

HOLE SIZE 1 3/8 TD 210'

CASING SIZE 1 3/8 DEPTH 210'

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX 600# MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT 42.19

CEMENT LEFT IN CSG. 42'

PERFS. \_\_\_\_\_

DISPLACEMENT 26% Bbls Fresh H<sub>2</sub>O

EQUIPMENT \_\_\_\_\_

PUMP TRUCK CEMENTER D. F. Lin 1

# 360-265 HELPER M. Thimesch 2

BULK TRUCK \_\_\_\_\_

# 364 DRIVER A. Miller 2

BULK TRUCK \_\_\_\_\_

# \_\_\_\_\_ DRIVER \_\_\_\_\_

CEMENT	AMOUNT ORDERED	<u>200sx class A + 3% cut</u>
		<u>2 1/2 gal</u>
COMMON	<u>280 yk</u>	@ <u>26.25</u> <u>7250.00</u>
POZMIX		@ _____
GEL	<u>45x</u>	@ <u>21.25</u> <u>95.00</u>
CHLORIDE	<u>7 yk</u>	@ <u>58.20</u> <u>407.40</u>
ASC		@ _____
		@ _____
		@ _____
		@ _____
		@ _____
		@ _____
		@ _____
		@ _____
HANDLING	<u>211</u>	@ <u>2.25</u> <u>474.75</u>
MILBAGE	<u>25/211/11</u>	<u>580.25</u>
		TOTAL <u>4797.40</u>

REMARKS:

*Pipe on Bttm Break Completion, Pump Spun  
Mix 200'sx A-347 cement Stop Pumps Release  
Plug, Start Displacement w/ Fresh H<sub>2</sub>O Wash  
up stop of Plug. See steady increase in PST.  
Slow Rate, Bump Plug to 600# at 26% Bbls  
total Displ. Release PST, Float Did  
Holdy Cement Did Circ.*

SERVICE

DEPTH OF JOB	<u>210'</u>	
PUMP TRUCK CHARGE	<u>1125.00</u>	
EXTRA FOOTAGE	@ _____	
MILEAGE	<u>25</u> @ <u>7.00</u>	<u>175.00</u>
MANIFOLD	<u>Head Rental</u> @ _____	<u>200.00</u>
	<u>Light Vehicle</u> @ <u>4.00</u>	<u>100.00</u>
	@ _____	
		TOTAL <u>1600.00</u>

CHARGE TO: CMX

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

1-TRP	@ _____	<u>341.00</u>
1- Guide Shoe	@ _____	<u>672.00</u>
1- Sure Seal Float Collar	@ _____	<u>1460.00</u>
3- centralizers	@ <u>75.00</u>	<u>219.00</u>
1- Limit Ring	@ _____	<u>73.00</u>
		TOTAL <u>2765.00</u>

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner of 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)	<u>475.04</u>
TOTAL CHARGES	<u>9162.40</u>
DISCOUNT	<u>20%</u>
	IF PAID IN 30 DAYS

PRINTED NAME Ed Gladden

SIGNATURE Ed Gladden

NET 7329.92

D1832.48



# INVOICE

## HALLIBURTON

Halliburton Energy Services, Inc.

Remit To: P.O. Box 203143, Houston, TX 77216-3143

### Wire Transfer Information

Account Number: Account 00032969

ABA Routing Number: 021000089

**Invoice Date: January 10, 2012**

**Invoice Number: 98282276**

**DIRECT CORRESPONDENCE TO:**  
 P.O. Box 69  
 Burns Flat, OK 73624-0069  
 US  
 Tel: (580) 562-3131  
 Fax: (580) 562-3387

**Rig Name:**  
 Well Name: CMX SOCRATES 1-H,RICE  
 Ship to: LYONS, KS 67554  
 RICE  
**Job Date:** January 08, 2012  
**Cust. PO No.:** NA  
**Payment Terms:** Net 20 days from Invoice date  
**Quote No.:**  
**Sales Order No.:** 9191684  
**Manual Ticket No.:**  
**Shipping Point:** BURNS FLAT Shipping Point  
**Ultimate Destination Country:** US  
**Customer Account No.:** 316054

**TO:**  
 CMX INC  
 BLDG. 300 STE B  
 1700 N WATERFRONT PKWY  
 WICHITA KS 67206

**Contract No.:**  
**Contract from:**  
**Contract to:**

Material	Description	QTY	UOM	Base Amount	Unit Amount	Gross Amount	Discount	Net Amount
7522	CMT INTERMEDIATE CASING BOM / JP015	1.00	JOB					
2	MILEAGE FOR CEMENTING CREW,ZI 000-119	400.000	MI		5.76	2,304.00	1,267.20	1,036.80
	Number of Units	1	unit					
1	ZI-MILEAGE FROM NEAREST HES BA 000-117	400.000	MI		9.79	3,916.00	2,153.80	1,762.20
	Number of Units	1	unit					
16091	ZI - PUMPING CHARGE 001-016	1.000	EA		4,790.00	4,790.00	2,634.50	2,155.50
	DEPTH FEET/METERS (FT/M)	3,740	FT					
141	RCM II W/ADC,/JOB,ZI 046-065	1.000	JOB		1,990.00	1,990.00	1,094.50	895.50
	NUMBER OF UNITS	1	each					
132	PORT. DAS W/CEMWIN;ACQUIRE W/H 045-050	1.000	JOB		1,649.00	1,649.00	906.95	742.05
	NUMBER OF DAYS	1	Days					
74038	ZI PLUG CONTAINER RENTAL-1ST D DAYS OR FRACTION (MIN1)	1.000	EA	1,322.00		1,322.00	727.10	594.90
		1	Days					
*101229888	PLUG,CMTG.TOP,7,HWE,5.66 MIN/6 / PLUG, CEMENTING, TOP, 7, HWE, 5.66 / MIN/6.54 MAX CASING ID, SYNTHETIC / SERVICE	1.000	EA		289.00	289.00	158.95	130.05
*452992	ECONOCEM (TM) SYSTEM CMT, EconoCem (TM) system	25.00	SK		27.82	695.50	382.53	312.97

# INVOICE

## HALLIBURTON

Continuation

Halliburton Energy Services, Inc.

Remit To: P.O. Box 203143, Houston, TX 77216-3143

**Invoice Date: January 10, 2012**

**Invoice Number: 98282276**

Material	Description	QTY	UOM	Base Amount	Unit Amount	Gross Amount	Discount	Net Amount
*100064022	CALSEAL 60 508-127516.00335 / CHEMICAL - CAL SEAL - BULK	3.000	SK		97.60	292.80	161.04	131.76
*100001617	HALAD-9	9.000	LB		31.41	282.69	155.48	127.21
*100064233	KOL-SEAL CHEMICAL, KOL-SEAL LOST CIRCULATION / ADDITIVE, BULK	125.000	LB		1.64	205.00	112.75	92.25
*452992	ECONOCEM (TM) SYSTEM CMT, EconoCem (TM) system	120.00	SK		27.82	3,338.40	1,836.12	1,502.28
*100064022	CALSEAL 60 508-127516.00335 / CHEMICAL - CAL SEAL - BULK	11.000	SK		97.60	1,073.60	590.48	483.12
*100001617	HALAD-9	43.000	LB		31.41	1,350.63	742.85	607.78
*100064233	KOL-SEAL CHEMICAL, KOL-SEAL LOST CIRCULATION / ADDITIVE, BULK	600.000	LB		1.64	984.00	541.20	442.80
76400	ZI MILEAGE,CMT MTLs DEL/RET MI 500-306 / MILEAGE,CMTG MTLs DEL/RET PER/TON MI.MIN NUMBER OF TONS	200.000	MI		3.35	5,132.20	2,822.71	2,309.49
3965	HANDLE&DUMP SVC CHRg, CMT&ADDI 500-207 NUMBER OF EACH	186.000	CF		5.49	1,021.14	561.63	459.51
86954	ZI FUEL SURCHG-CARS/PICKUPS<1 FUEL SURCHG-CARS/PICKUPS<1 1/2TON/PER/MI Number of Units	400.000	MI		0.23	92.00		92.00
86955	ZI FUEL SURCHG-HEAVY TRKS >1 1 FUEL SURCHG-HEAVY TRKS >1 1/2 TON/PER MI Number of Units	400.000	MI		0.68	272.00		272.00
87605	ZI FUEL SURCHG-CMT & CMT ADDIT FUEL SURCHG-CMT & CMT ADDITIVES/PER TNM NUMBER OF TONS	200.000	MI		0.23	352.36		352.36
372867	Cmt PSL - DOT Vehicle Charge, Cmt PSL - DOT Vehicle Charge, CMT	2.000	EA		241.00	482.00		482.00

# INVOICE

Continuation

## HALLIBURTON

Halliburton Energy Services, Inc.

Remit To: P.O. Box 203143, Houston, TX 77216-3143

**Invoice Date: January 10, 2012**

**Invoice Number: 98282276**

Material	Description	QTY	UOM	Base Amount	Unit Amount	Gross Amount	Discount	Net Amount
16092	ADDITIONAL HOURS (PUMPING EQUI / / / 001-018 / CSG PUMPING,ADD HR,ZI HOURS	8.000	EA		927.00	7,416.00	4,078.80	3,337.20
		1.00	hr					
	Taxable							3,830.22
	Non-Taxable							14,491.51
	Total					39,250.32	20,928.59	18,321.73
	<b>INVOICE TOTAL</b>					39,250.32	20,928.59	18,321.73
	Sales Tax - State -KS							241.31
	Sales Tax - County -RICE							38.30
								18,601.34
								US Dollars

**Payment Terms:**

If Customer does not have an approved open account with Halliburton, all sums are payable in cash at the time of performance of services or delivery of equipment, products, or materials. If Customer has an approved open account, invoices are payable based upon the payment terms stated on this invoice or as otherwise stated in the applicable Halliburton contract governing performance or delivery. Customer agrees to pay interest on any unpaid balance from the date payable until paid at the highest lawful contract rate applicable. In the event Halliburton employs an attorney for collection of any amount, Customer agrees to pay all reasonable and necessary attorney fees to recover the unpaid amount, plus all collection and court costs.

Damon Ditta Phone: 9185815209 Cell: 918-605-5708

# HALLIBURTON

# SALES ORDER

Halliburton Energy Services, Inc.

**Sales Order Number: 9191684**

**Sales Order Date: January 07, 2012**

**SOLD TO:**  
 CMX INC  
 BLDG. 300 STE B  
 1700 N WATERFRONT PKWY  
 WICHITA KS 67206  
 USA

**Rig Name:**  
**Well/Rig Name:** CMX SOCRATES 1-H,RICE  
**Company Code:** 1100  
**Customer P.O. No.:** NA  
**Shipping Point:** Burns Flat, OK, USA  
**Sales Office:** Mid-Continent BD  
**Well Type:** Gas  
**Well Category:** Development  
**Service Location:** 0031  
**Payment Terms:** Net 20 days from invoice date  
**Ticket Type:** Services  
**Order Type:** ZOH

**SHIP TO:**  
 CMX SOCRATES 1-H,RICE  
 SOCRATES 1-H  
 RICE  
 LYONS KS 67554  
 USA

Material	Description	QTY	UOM	Base Amount	Unit Amount	Gross Amount	Discount	Net Amount
7522	CMT INTERMEDIATE CASING BOM / JPO15	1.00	JOB					
2	MILEAGE FOR CEMENTING CREW,ZI 000-119 Number of Units	400.000 1	MI unit		5.76	2,304.00	1,267.20-	1,036.80
1	ZI-MILEAGE FROM NEAREST HES 000-117 Number of Units	400.000 1	MI unit		9.79	3,916.00	2,153.80-	1,762.20
16091	ZI - PUMPING CHARGE 001-016 DEPTH FEET/METERS (FT/M)	1.000 3,740 FT	EA		4,790.00	4,790.00	2,634.50-	2,155.50
141	RCM II W/ADC,/JOB,ZI 046-065 NUMBER OF UNITS	1.000 1	JOB each		1,990.00	1,990.00	1,094.50-	895.50
132	PORT. DAS W/CEMWIN,ACQUIRE 045-030 NUMBER OF DAYS	1.000 1	JOB Days		1,649.00	1,649.00	906.95-	742.05
74038	ZI PLUG CONTAINER RENTAL-1ST DAYS OR FRACTION (MIN1)	1.000 1	EA Days	1,322.00		1,322.00	727.10-	594.90

# HALLIBURTON

Halliburton Energy Services, Inc.

Sales Order Number: 9191684

Sales Order Date: January 07, 2012

Material	Description	QTY	UOM	Base Amount	Unit Amount	Gross Amount	Discount	Net Amount
101229888	PLUG,CMTG,TOP,7,HWE,5.66 / PLUG, CEMENTING, TOP, 7, HWE, 5.66 / MIN/6.54 MAX CASING ID, SYNTHETIC / SERVICE	1.000	EA		289.00	289.00	158.95-	130.05
452992	ECONOCEM (TM) SYSTEM CMT, EconoCem (TM) system	25.00	SK		27.82	695.50	382.53-	312.97
100064022	CALSEAL 60 508-127516.00335 / CHEMICAL - CAL SEAL - BULK	3.000	SK		97.60	292.80	161.04-	131.76
100001617	HALAD-9	9.000	LB		31.41	282.69	155.48-	127.21
100064233	KOL-SEAL CHEMICAL, KOL-SEAL LOST CIRCULATION / ADDITIVE, BULK	125.000	LB		1.64	205.00	112.75-	92.25
452992	ECONOCEM (TM) SYSTEM CMT, EconoCem (TM) system	120.00	SK		27.82	3,338.40	1,836.12-	1,502.28
100064022	CALSEAL 60 508-127516.00335 / CHEMICAL - CAL SEAL - BULK	11.000	SK		97.60	1,073.60	590.48-	483.12
100001617	HALAD-9	43.000	LB		31.41	1,350.63	742.85-	607.78
100064233	KOL-SEAL CHEMICAL, KOL-SEAL LOST CIRCULATION / ADDITIVE, BULK	600.000	LB		1.64	984.00	541.20-	442.80
76400	ZI MILEAGE,CMT MTLs DEL/RET 500-306 / MILEAGE,CMTG MTLs DEL/RET PERTON MI.MIN NUMBER OF TONS	200.000	MI		3.35	5,132.20	2,822.71-	2,309.49
3965	HANDLE&DUMP SVC CHRg, 500-207 NUMBER OF EACH	186.000	CF		5.49	1,021.14	561.63-	459.51
86954	ZI FUEL SURCHG-CARS/PICKUPS<1 1/2TON	400.000	MI		0.23	92.00		92.00

# HALLIBURTON

Halliburton Energy Services, Inc.

Sales Order Number: 9191684

Sales Order Date: January 07, 2012

Material	Description	QTY	UOM	Base Amount	Unit Amount	Gross Amount	Discount	Net Amount
	FUEL SURCHG-CARS/PICKUPS<1 1/2TON/PER/MI Number of Units	1	unit					
86955	ZI FUEL SURCHG-HEAVY TRKS >1 1/2 TON FUEL SURCHG-HEAVY TRKS >1 1/2 TON/PER MI Number of Units	400.000	MI		0.68	272.00		272.00
87605	ZI FUEL SURCHG-CMT & CMT ADDITIVES FUEL SURCHG-CMT & CMT ADDITIVES/PER TNM NUMBER OF TONS	200.000	MI		0.23	352.36		352.36
		7.66	ton					
372867	Cmt PSL - DOT Vehicle Charge, CMT Cmt PSL - DOT Vehicle Charge, CMT	2.000	EA		241.00	482.00		482.00
16092	ADDITIONAL HOURS (PUMPING /// 001-018 / CSG PUMPING,ADD HR,ZI HOURS	8.000	EA		927.00	7,416.00	4,078.80-	3,337.20
		1.00	hr					
<b>SALES ORDER AMOUNT</b>						<b>39,250.32</b>	<b>20,928.59-</b>	
<b>SALES ORDER TOTAL</b>						<b>39,250.32</b>	<b>20,928.59-</b>	<b>18,321.73</b>
Sales Tax - State								241.31
Sales Tax - County								38.30
Total Weight: 15,747.98 LB								18,601.34 US Dollars

INVOICE INSTRUCTIONS:

Operator Name:  
Customer Agent:

Halliburton Approval: X \_\_\_\_\_  
Customer Signature: X \_\_\_\_\_

# HALLIBURTON

## Field Ticket

<b>Field Ticket Number:</b> 9191684		<b>Field Ticket Date:</b> 8-Jan-12	
<b>Bill To:</b> CMX INC 1700 N. WATERFRONT PKWY WICHITA, KS 67206		<b>Job Name:</b> Intermediate:Casing <b>Order Type:</b> Streamline Order (ZOH) <b>Well Name:</b> Socrates 1-H <b>Company Code:</b> 1100 <b>Customer PO No.:</b> NA <b>Shipping Point:</b> Burns Flat, OK, USA <b>Sales Office:</b> Mid-Continent BD <b>Well Type:</b> Gas <b>Well Category:</b> Development	
<b>Ship To:</b> CMX SOCRATES 1-H,RICE SOCRATES 1-H 2901091 LYONS, KS 67554			

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
7522	CMT INTERMEDIATE CASING BOM	1	JOB	0.00	0.00	0.00		0.00
2	MILEAGE FOR CEMENTING CREW,ZI <i>Number of Units</i>	400 1	MI	0.00	5.76	2,304.00	55%	1,036.80 ✓
1	ZI-MILEAGE FROM NEAREST HES BASE,UNIT <i>Number of Units</i>	400 1	MI	0.00	9.79	3,916.00	55%	1,762.20 ✓
16091	ZI - PUMPING CHARGE <i>DEPTH</i> <i>FEET/METERS (FT/M)</i>	1 3740	EA FT	0.00	4,790.00	4,790.00	55%	2,155.50 ✓
141	RCM II WIADC,JOB,ZI <i>NUMBER OF UNITS</i>	1 1	JOB	0.00	1,990.00	1,990.00	55%	895.50 ✓
132	PORT. DAS WICEMWIN;ACQUIRE WIHES, ZI <i>NUMBER OF DAYS</i>	1 1	JOB	0.00	1,649.00	1,649.00	55%	742.05 ✓
74038	ZI PLUG CONTAINER RENTAL-1ST DAY <i>DAYS OR FRACTION (MIN1)</i>	1 1	EA	1,322.00	0.00	1,322.00	55%	594.90 ✓
101229888	PLUG,CMTG;TOP.7,HWE,5.65-MIN/8.54 MAX CS	1 ✓	EA	0.00	289.00	289.00	55%	130.05 ✓
452992	ECONOCEM (TM) SYSTEM	25 ✓	SK			695.50	55%	312.97 ✓
100064022	CALSEAL 60	3 ✓	SK	0.00	97.60	292.80	55%	131.78 ✓
100001617	HALAD-9	9 ✓	LB	0.00	31.41	282.69	55%	127.21 ✓
100084233	KOL-SEAL	125 ✓	LB	0.00	1.64	205.00	55%	92.25 ✓
452992	ECONOCEM (TM) SYSTEM	120 ✓	SK			3,338.40	55%	1,502.28 ✓
100064022	CALSEAL 60	11 ✓	SK	0.00	97.60	1,073.60	55%	483.12 ✓

Field Ticket Number: 9191684

Field Ticket Date: January 08, 2012

# HALLIBURTON

## Field Ticket

<b>Field Ticket Number:</b> 9191684	<b>Field Ticket Date:</b> 8-Jan-12
<b>Bill To:</b> CMX INC 1700 N WATERFRONT PKWY WICHITA, KS 67208	<b>Job Name:</b> Intermediate Casing <b>Order Type:</b> Streamline Order (ZOH) <b>Well Name:</b> Socrales 1-H <b>Company Code:</b> 1100 <b>Customer PO No.:</b> NA <b>Shipping Point:</b> Burns Flat, OK, USA <b>Sales Office:</b> Mid-Continent BD <b>Well Type:</b> Gas <b>Well Category:</b> Development
<b>Ship To:</b> CMX SOCRATES 1-H, RICE SOCRATES 1-H 2901091 LYONS, KS 67554	

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
100001617	HALAD-9	43	LB	0.00	31.41	1,350.63	55%	607.78
100064233	KOL-SEAL	600	LB	0.00	1.64	984.00	55%	442.80
76400	ZI MILEAGE, CMT, MTL'S DEL/RET MIN NUMBER OF TONS	200 7.66	MI	0.00	3.35	5,132.20	55%	2,309.49
3985	HANDLE & DUMP SVC: CHR, CMT & ADDITIVES, ZI NUMBER OF EACH	186 1	CF	0.00	5.49	1,021.14	55%	459.51
86954	ZI FUEL SURCHG-CARS/PICKUPS < 1 1/2 TON Number of Units	400 1	MI	0.00	0.23	92.00		92.00
86955	ZI FUEL SURCHG-HEAVY TRKS > 1 1/2 TON Number of Units	400 1	MI	0.00	0.68	272.00		272.00
87605	ZI FUEL SURCHG-CMT & CMT ADDITIVES NUMBER OF TONS	200 7.66	MI	0.00	0.23	352.36		352.36
372867	Cmt PSL - DOT Vehicle Charge, CMT	2	EA	0.00	241.00	482.00		482.00
16092	ADDITIONAL HOURS (PUMPING EQUIPMENT); ZI HOURS	8 1	EA	0.00	927.00	7,416.00	55%	3,337.20
<b>Totals</b>						<b>39,250.32</b>	<b>20,928.59</b>	<b>18,321.73</b>

Halliburton Rep: SCOTTY WALTON  
 Customer Agent:  
 Halliburton Approval




**HALLIBURTON**

*Field Ticket*

<b>Field Ticket Number:</b> 9191684		<b>Field Ticket Date:</b> 8-Jan-12	
<b>Bill To:</b> CMX INC 1700 N WATERFRONT PKWY WICHITA, KS 67206		<b>Job Name:</b> Intermediate Casing. <b>Order Type:</b> Streamline Order (ZOH) <b>Well Name:</b> Socrates 1-H <b>Company Code:</b> 1100 <b>Customer PO No.:</b> NA <b>Shipping Point:</b> Burns Flat, OK, USA <b>Sales Office:</b> Mid-Continent BD <b>Well Type:</b> Gas <b>Well Category:</b> Development	
<b>Ship To:</b> CMX SOCRATES 1-H,RICE SOCRATES 1-H 29D1091 LYONS, KS 67554			

Material	Description	QTY	UDM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
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THIS OUTPUT DOES NOT INCLUDE TAXES. APPLICABLE SALES TAX WILL BE BILLED ON THE FINAL INVOICE.  
 CUSTOMER HEREBY ACKNOWLEDGES RECEIPT OF THE MATERIALS AND SERVICES DESCRIBED ABOVE AND ON THE ATTACHED DOCUMENTS.

X   
 \_\_\_\_\_  
 Customer Signature

FIELD TICKET TOTAL: USD 18,321.73

Was our HSE performance satisfactory? Y or N      Were you satisfied with our Equipment? Y or N      Were you satisfied with our people? Y or N  
 (Health, Safety, Environment)

Comments:  
 \_\_\_\_\_  
 \_\_\_\_\_

Did we provide job/DVA above our normal service today? Y or N      Hours: \_\_\_\_\_      Other: \_\_\_\_\_      Customer Initials: \_\_\_\_\_  
 Please provide details:

\_\_\_\_\_

# HALLIBURTON

## Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 316054		Ship To #: 2901091		Quote #:		Sales Order #: 9191684							
Customer: CMX INC				Customer Rep:									
Well Name: Socrates				Well #: 1-H		API/UWI #:							
Field:		City (SAP): LYONS		County/Parish: Rice		State: Kansas							
Legal Description: Section 10 Township 21S Range 7W													
Contractor: Duke				Rig/Platform Name/Nuri: 20									
Job Purpose: Cement Intermediate Casing													
Well Type: Development Well					Job Type: Cement Intermediate Casing								
Sales Person: CRAWFORD, ROBERT			Srcv Supervisor: WALTON, SCOTTY			MBU ID Emp #: 478229							
<b>Job Personnel</b>													
HES Emp Name		Exp Hrs	Emp #	HES Emp Name		Exp Hrs	Emp #	HES Emp Name		Exp Hrs	Emp #		
SEELY, MATTHEW Lance		18	507547	TURNER, DANIEL J		18	461812	WALTON, SCOTTY Dwayne		18	478229		
<b>Equipment</b>													
HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way				
<b>Job Hours</b>													
Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours					
1-7-12	6	0	1-8-12	12	1								
TOTAL		Total is the sum of each column separately											
<b>Job</b>					<b>Job Times</b>								
Formation Name					Date	Time	Time Zone						
Formation Depth (MD) Top		Bottom		Called Out	07 - Jan - 2012	12:00	CST						
Form Type		BHST		On Location	07 - Jan - 2012	18:00	CST						
Job depth MD		3740. ft		Job Depth TVD	08 - Jan - 2012	10:04	CST						
Water Depth		Wk Ht Above Floor		Job Completed	08 - Jan - 2012	10:43	CST						
Perforation Depth (MD) From		To		Departed Loc	08 - Jan - 2012	11:50	CST						
<b>Well Data</b>													
Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft		
Intermediate Casing Open Hole				8.75				1000.	3740.	1000.	3415.		
Intermediate Casing	Unknown		7.	6.366	23.		N-80		3740.		3415.		
Surface Casing	Unknown		9.625	8.921	36.			1000.					
<b>Tools and Accessories</b>													
Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			
<b>Miscellaneous Materials</b>													
Gelling Agt		Conc		Surfactant		Conc		Acid Type		Qty		Conc	%
Treatment Fld		Conc		Inhibitor		Conc		Sand Type		Size		Qty	
<b>Fluid Data</b>													
Stage/Plug #: 1													
Fluid #	Stage Type	Fluid Name			Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk		

# HALLIBURTON

## Cementing Job Summary

Stage/Plug # 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk	
1	50/50 POZ Standard	ECONOCEM (TM) SYSTEM (452992)	25.0	sacks	12.7	2.02	10.33		10.33	
	10 %	CAL-SEAL 60, BULK (100064022)								
	0.4 %	HALAD(R)-9, 50 LB (100001617)								
	5 lbm	KOL-SEAL, BULK (100064233)								
	10.33 Gal	FRESH WATER								
2	50/50 POZ Standard	ECONOCEM (TM) SYSTEM (452992)	120.0	sacks	14.15	1.52	6.57		6.57	
	10 %	CAL-SEAL 60, BULK (100064022)								
	0.4 %	HALAD(R)-9, 50 LB (100001617)								
	5 lbm	KOL-SEAL, BULK (100064233)								
	6.57 Gal	FRESH WATER								
3	Drilling Mud		146.00	bbl	9.2	.0	.0	.0		
Calculated Values		Pressures			Volumes					
Displacement	146bbl	Shut In: Instant		Lost Returns	0	Cement Slurry	39	Pad		
Top Of Cement	2615ft	5 Min		Cement Returns	0	Actual Displacement	146	Treatment		
Frac Gradient		15 Min		Spacers	0	Load and Breakdown		Total Job		
Rates										
Circulating		Mixing		Displacement		Avg. Job				
Cement Left in Pipe	Amount	40 ft	Reason	Shoe Joint						
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID			
The Information Stated Herein Is Correct				Customer Representative Signature <i>Ed [Signature]</i>						

# HALLIBURTON

## Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 316054	Ship To #: 2901091	Quote #:	Sales Order #: 9191684
Customer: CMX INC		Customer Rep:	
Well Name: Socrates	Well #: 1-H	API/UWI #:	
Field:	City (SAP): LYONS	County/Parish: Rice	State: Kansas
Legal Description: Section 10 Township 21S Range.7W			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: Duke	Rig/Platform Name/Num: 20		
Job Purpose: Cement Intermediate Casing			Ticket Amount:
Well Type: Development Well		Job Type: Cement Intermediate Casing	
Sales Person: CRAWFORD, ROBERT	Srcv Supervisor: WALTON, SCOTTY	MBU ID Emp #: 478229	

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	01/07/2012 12:00							Scotty Walton, Daniel Turner, Lance Seely
Pre-Convoy Safety Meeting	01/07/2012 13:00							Scotty Walton, Daniel Turner, Lance Seely
Depart from Service Center or Other Site	01/07/2012 13:30							
Arrive At Loc	01/07/2012 18:00							Arrived at Location Safely, Went over job procedures, calculations, and safety hazards. (Well TD 3749ft, Total Casing 3753.22ft, Shoe 40.36ft, 9.3ppg Mud, Pulling Drillpipe)
Assessment Of Location Safety Meeting	01/07/2012 18:05							Identified all Potential hazards and Safe Work Zones
Pre-Rig Up Safety Meeting	01/08/2012 07:50							All HES Personnel Present (watch for trip hazards, low lite areas, pinch points, confined spaces, and wear all appropriate PPE)
Rig-Up Equipment	01/08/2012 08:00							
Rig-Up Completed	01/08/2012 09:00							Rig Up Completed Safely
Circulate Well	01/08/2012 09:30							Rig Circulated Well for 1900Strokes
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	

Sold To #: 316054

Ship To #: 2901091

Quote #:

Sales Order #:

9191684

SUMMIT Version: 7.2.27

Sunday, January 08, 2012 11:32:00

# HALLIBURTON

## Cementing Job Log

Pre-Job Safety Meeting	01/08/2012 09:35							All HES, Customer Rep., and Rig Crew Present ( Went over dangers of being near pressurized lines, PPE, Pumping Procedures, heat stress and safe zones, muster point, and nearest hospital)
Pressure Test	01/08/2012 10:04							Test Lines to 5000PSI ( Rig Floor Clear, and Pumping Equipment area Clear, 7" 23# N-80 Casing Burst at 80% 6340*8= 5072PSI Max Pressure)
Pump Spacer	01/08/2012 10:08		5.5	10	0		75.0	Pump 10BBL of Freshwater Spacer
Pump Lead Cement	01/08/2012 10:12		5.7	9	0		150.0	Pump 9BBL of 12.7PPG Halliburton 50/50 POZ Standard Cement (25 Sacks 2.02ft3/sk, 10.33gal/sk)( 25sks*2.02ft3/sk= 50.5ft3* .1781 bbl/ft3= 9BBL)
Pump Tail Cement	01/08/2012 10:13		5.7	32	0		200.0	Pump 32BBL of 14.16PPG Halliburton 50/50 POZ Standard Cement (120 Sacks 1.52ft3/sk, 6.57gal/sk)( 120sks*1.52ft3/sk= 182.4ft3* .1781 bbl/ft3= 32BBL)
Shutdown	01/08/2012 10:18							Pumping Cement Completed
Drop Top Plug	01/08/2012 10:19							Plug Left Cementing Head
Pump Displacement	01/08/2012 10:20		7	146	0		75.0	Started Displacement Pumping 7BPM Until Displacement Reaches Cement (Disp: 53712.86ft* .0393bbl/ft= 145.9bbl)
Slow Rate	01/08/2012 10:40		3	146	136		750.0	Slowed Rate to Bump Plug
Bump Plug	01/08/2012 10:42		3	146	146		1300.0	Bumped Plug 500Psi Over Pumping Pressure
Check Floats	01/08/2012 10:43		0	146	146		.0	Floats Held (Full Returns Throught Job)
Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl Stage	Volume bbl Total	Pressure psig Tubing	Pressure psig Casing	Comments

Sold To #: 316054

Ship To #: 2901091

Quote #:

Sales Order #: 9191684

SUMMIT Version: 7.2.27

Sunday, January 08, 2012 11:32:00

# HALLIBURTON

## Cementing Job Log

Pre-Rig Down Safety Meeting	01/08/2012 10:45							All HES Personell Present ( Went Over Heat Stress, PPE, Pinch Points, Trip Hazards, and Importance of Communication)
Rig-Down Equipment	01/08/2012 10:50							
Depart Location for Service Center or Other Site	01/08/2012 11:30							Scotty Walton, Daniel Turner, Lance Seely
Rig-Down Completed	01/08/2012 11:40							Rig Down Completed Safely
Depart Location Safety Meeting	01/08/2012 11:45							Scotty Walton, Daniel Turner, Lance Seely

Sold To #: 316054

Ship To #: 2901091

Quote #:

Sales Order #: 9191684

SUMMIT Version: 7.2.27

Sunday, January 08, 2012 11:32:00



Do It Once  
Do It Right

10-Stage 4-1/2" StackFRAC® HD  
Mr. Brad Crouch  
2/22/2012



# StackFRAC® HD

Multi-Stage Fracturing System from



Do It Once  
Do It Right

Prepared for:  
**Tres Management for CMX**  
Mr. Brad Crouch

**Socrates 1H**  
Rice County, KS

10-Stage 4-1/2" StackFRAC® HD  
Completion  
4-1/2" 11.60# P-110 LTC



Do It Once.  
Do It Right.

Confidential Information - not to be disclosed outside  
Tres Management / CMX

Completion  
**FINAL**

Prepared for		Company		Date	
Mr. Brad Crouch		Tres Management for CMX		5-Feb-12	
Well Name		Type of Installation		Location	
Socrates XX-XH		10-Stage 4-1/2" StackFRAC® HD		Rice County, KS	
Depth	Drawing	Description	OD (in)	ID (in)	Length
7" shoe is set at 3749'			<b>Page 1</b>		
High Pressure Packoff assembly _____' MD					
KOP @ 2842'					
Packer @ 2898'					
<b>Stage 5</b>					
3082'					
48bbbls					
3263'					
<b>Stage 4</b>					
3447'					
53bbbls					
3633'					
7" shoe 3749'	tools in open hole				
<b>Stage 3</b>	7 Packers Plus 4-1/2" Drillable FracPORT® with 2.500" Seat for 2.625" High Pressure Ball				
3818'	(6 shear pins @ 315 psi each for 1,890 psi opening pressure) PN: 121332-000015 SN: EA1003023				
59bbbls	4-1/2" 11.60# N-80 LTC LINER JOINTS: 4				
4004'	6' x 4-1/2" 11.6# P-110 LTC Pup Joint PN: 106986-000013 w/ Centralizer PN: 104743				
<b>Stage 2</b>	6 Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer				
4232'	(6 pins @ 324 psi each for 1,944 psi setting) PN: 102188-000003 SN: EA3015529				
66bbbls	3' x 4-1/2" 11.6# P-110 LTC Pup Joint PN: 106982-000001 w/ Centralizer PN: 104743				
4462'	4-1/2" 11.60# N-80 LTC LINER JOINTS: 5				
<b>Stage 1</b>	5 Packers Plus 4-1/2" Drillable FracPORT® with 2.375" Seat for 2.500" High Pressure Ball				
4565'	(6 shear pins @ 315 psi each for 1,890 psi opening pressure) PN: 121332-000014 SN: EA1021570				
4669'	4-1/2" 11.60# N-80 LTC LINER JOINTS: 5				
72bbbls	6' x 4-1/2" 11.6# P-110 LTC Pup Joint PN: 106986-000013 w/ Centralizer PN: 104743				
<b>Toe Sub</b>	4 Packers Plus 7" x 4-1/2" RockSEAL® II 10K Hydraulic Set Open Hole Packer				
4727'	(6 pins @ 324 psi each for 1,944 psi setting) PN: 121381-000001 SN: EA3015528				
73bbbls	3' x 4-1/2" 11.6# P-110 LTC Pup Joint PN: 106982-000001 w/ Centralizer PN: 104743				
<b>GS 4740'</b>	4-1/2" 11.60# N-80 LTC LINER JOINTS: 2				
	6' x 4-1/2" 11.6# P-110 LTC Pup Joint PN: 106986-000013 w/ Centralizer PN: 104743				
	3 Packers Plus 7" x 4-1/2" RockSEAL® IIS 10K Hydraulic Set Anchor Packer				
	(6 shear pins at 324 psi each: 1,944 psi setting pressure) PN: 102428-000002 SN: EM0053333				
	3' x 4-1/2" 11.6# P-110 LTC Pup Joint PN: 106982-000001 w/ Centralizer PN: 104743				
	4-1/2" 11.60# N-80 LTC LINER JOINTS: 2				
	2 6' x 4-1/2" 11.6# P-110 LTC Pup Joint PN: 106986-000013 w/ Centralizer PN: 104743				
	Packers Plus 4-1/2" Dual Hydraulic FracPORT® PN: 121288-000001 SN: EA1020689				
	(11 pins at 391 psi each: 4,301 psi Upper) / (7 pins at 630 psi each: 4,410 psi Lower)				
	3' x 4-1/2" 11.6# P-110 LTC Pup Joint PN: 106982-000001 w/ Centralizer PN: 104743				
	4-1/2" 11.60# N-80 LTC LINER JOINTS: 1				
	1 6' x 4-1/2" 11.6# P-110 LTC Pup Joint PN: 106986-000013				
	Packers Plus 4-1/2" Toe Circulating Sub w/ 1.00" Seat for 1.25" High Pressure Ball				
	(3 pins at 366 psi each: 1,098 psi closing pressure) PN: 104818-000002 SN: EA1019638				
	4-1/2" LTC Single Valve Float Collar PN: 104733-000001				
	6' x 4-1/2" 11.6# P-110 LTC Pup Joint PN: 106986-000013 w/ Centralizer PN: 104743				
	4-1/2" LTC Single Valve Float Collar PN: 104733-000001				
	4-1/2" LTC Guide Shoe PN: 121704-000001				
Service Center Conway, AR	Telephone 501-327-0241	Contact Gary Leber	Telephone Chad Williams 405-255-3223		



## PACKERS PLUS - PACKER PLACEMENT

Socrates 1H					
Item	Description	Length	Landed @	Accumulated	Proposed
			Actual MD		
			4740.00		
	<b>GS</b>	<b>0.75</b>	4739.25	0.75	
	<b>FC</b>	<b>1.34</b>	4737.91	2.09	
	pup	<b>6.15</b>	4731.76	8.24	
	<b>FC</b>	<b>1.33</b>	4730.43	9.57	
	<b>TOE SUB</b>	<b>2.73</b>	<b>4727.70</b>	<b>12.30</b>	
	pup	<b>6.14</b>	4721.56	18.44	
1	4 1/2" 11.6ppf N-80 LTC	44.19	4677.37	62.63	
	pup	<b>3.10</b>	4674.27	65.73	
	<b>DHY</b>	<b>4.33</b>	<b>4669.94</b>	<b>70.06</b>	
	pup	<b>6.15</b>	4663.79	76.21	
2	4 1/2" 11.6ppf N-80 LTC	44.19	4619.60	120.40	
3	4 1/2" 11.6ppf N-80 LTC	44.22	4575.38	164.62	
	pup	<b>3.08</b>	4572.30	167.70	
	<b>RSIIS</b>	<b>7.18</b>	<b>4565.12</b>	<b>174.88</b>	
	pup	<b>6.12</b>	4559.00	181.00	
4	4 1/2" 11.6ppf N-80 LTC	44.13	4514.87	225.13	
5	4 1/2" 11.6ppf N-80 LTC	44.20	4470.67	269.33	
	pup	<b>3.10</b>	4467.57	272.43	
	<b>RSII</b>	<b>5.23</b>	<b>4462.34</b>	<b>277.66</b>	
	pup	<b>6.12</b>	4456.22	283.78	
6	4 1/2" 11.6ppf N-80 LTC	44.24	4411.98	328.02	
7	4 1/2" 11.6ppf N-80 LTC	44.23	4367.75	372.25	
8	4 1/2" 11.6ppf N-80 LTC	<b>44.22</b>	4323.53	416.47	
9	4 1/2" 11.6ppf N-80 LTC	44.22	4279.31	460.69	
10	4 1/2" 11.6ppf N-80 LTC	44.22	4235.09	504.91	
	<b>2.375 FRAC PORT</b>	<b>2.65</b>	<b>4232.44</b>	<b>507.56</b>	
11	4 1/2" 11.6ppf N-80 LTC	43.73	4188.71	551.29	
12	4 1/2" 11.6ppf N-80 LTC	44.20	4144.51	595.49	
13	4 1/2" 11.6ppf N-80 LTC	44.22	4100.29	639.71	
14	4 1/2" 11.6ppf N-80 LTC	43.72	4056.57	683.43	
15	4 1/2" 11.6ppf N-80 LTC	44.19	4012.38	727.62	
	pup	<b>3.09</b>	4009.29	730.71	
	<b>RSII</b>	<b>5.22</b>	<b>4004.07</b>	<b>735.93</b>	
	pup	<b>6.11</b>	3997.96	742.04	
16	4 1/2" 11.6ppf N-80 LTC	44.22	3953.74	786.26	
17	4 1/2" 11.6ppf N-80 LTC	44.21	3909.53	830.47	
18	4 1/2" 11.6ppf N-80 LTC	44.21	3865.32	874.68	
19	4 1/2" 11.6ppf N-80 LTC	44.16	3821.16	918.84	
	<b>2.50 FRAC PORT</b>	<b>2.65</b>	<b>3818.51</b>	<b>921.49</b>	open hole
20	4 1/2" 11.6ppf N-80 LTC	44.12	3774.39	965.61	
21	4 1/2" 11.6ppf N-80 LTC	44.22	3730.17	1009.83	
22	4 1/2" 11.6ppf N-80 LTC	44.20	3685.97	1054.03	
23	4 1/2" 11.6ppf N-80 LTC	44.21	3641.76	1098.24	
	pup	<b>3.09</b>	3638.67	1101.33	

## PACKERS PLUS - PACKER PLACEMENT

	<b>RSII</b>	<b>5.23</b>	<b>3633.44</b>	<b>1106.56</b>	
	pup	<b>6.10</b>	3627.34	1112.66	
24	4 1/2" 11.6ppf N-80 LTC	44.21	3583.13	1156.87	
25	4 1/2" 11.6ppf N-80 LTC	44.22	3538.91	1201.09	
26	4 1/2" 11.6ppf N-80 LTC	44.14	3494.77	1245.23	
27	4 1/2" 11.6ppf N-80 LTC	44.48	3450.29	1289.71	
	<b>2.625 FRAC PORT</b>	<b>2.65</b>	<b>3447.64</b>	<b>1292.36</b>	
28	4 1/2" 11.6ppf N-80 LTC	44.21	3403.43	1336.57	
29	4 1/2" 11.6ppf N-80 LTC	44.22	3359.21	1380.79	
30	4 1/2" 11.6ppf N-80 LTC	44.24	3314.97	1425.03	
31	4 1/2" 11.6ppf N-80 LTC	43.33	3271.64	1468.36	
	pup	<b>3.09</b>	3268.55	1471.45	
	<b>RSII</b>	<b>5.23</b>	<b>3263.32</b>	<b>1476.68</b>	
	pup	<b>6.09</b>	3257.23	1482.77	
32	4 1/2" 11.6ppf N-80 LTC	41.02	3216.21	1523.79	
33	4 1/2" 11.6ppf N-80 LTC	43.45	3172.76	1567.24	
34	4 1/2" 11.6ppf N-80 LTC	43.28	3129.48	1610.52	
35	4 1/2" 11.6ppf N-80 LTC	44.18	3085.30	1654.70	
	<b>2.75 FRAC PORT</b>	<b>2.65</b>	<b>3082.65</b>	<b>1657.35</b>	
36	4 1/2" 11.6ppf N-80 LTC	43.20	3039.45	1700.55	
37	4 1/2" 11.6ppf N-80 LTC	44.23	2995.22	1744.78	
38	4 1/2" 11.6ppf N-80 LTC	44.20	2951.02	1788.98	
39	4 1/2" 11.6ppf N-80 LTC	44.19	2906.83	1833.17	
	pup	<b>3.09</b>	2903.74	1836.26	
	<b>RSII</b>	<b>5.23</b>	<b>2898.51</b>	<b>1841.49</b>	
	pup	<b>6.10</b>	2892.41	1847.59	
40	4 1/2" 11.6ppf N-80 LTC	43.24	2849.17	1890.83	
41	4 1/2" 11.6ppf N-80 LTC	44.18	2804.99	1935.01	
42	4 1/2" 11.6ppf N-80 LTC	43.66	2761.33	1978.67	
43	4 1/2" 11.6ppf N-80 LTC	44.22	2717.11	2022.89	
	<b>2.875 FRAC PORT</b>	<b>2.65</b>	<b>2714.46</b>	<b>2025.54</b>	<b>these tools</b>
44	4 1/2" 11.6ppf N-80 LTC	44.22	2670.24	2069.76	<b>were</b>
45	4 1/2" 11.6ppf N-80 LTC	44.20	2626.04	2113.96	<b>removed</b>
46	4 1/2" 11.6ppf N-80 LTC	44.20	2581.84	2158.16	<b>from well</b>
47	4 1/2" 11.6ppf N-80 LTC	44.16	2537.68	2202.32	
	pup	3.08	2534.60	2205.40	
	<b>RSII</b>	<b>5.23</b>	<b>2529.37</b>	<b>2210.63</b>	
	pup	6.11	2523.26	2216.74	
48	4 1/2" 11.6ppf N-80 LTC	44.22	2479.04	2260.96	
49	4 1/2" 11.6ppf N-80 LTC	44.19	2434.85	2305.15	
	<b>3.00 FRAC PORT</b>	<b>2.65</b>	<b>2432.20</b>	<b>2307.80</b>	
50	4 1/2" 11.6ppf N-80 LTC	44.20	2388.00	2352.00	
51	4 1/2" 11.6ppf N-80 LTC	43.08	2344.92	2395.08	
52	4 1/2" 11.6ppf N-80 LTC	43.10	2301.82	2438.18	
	pup	3.11	2298.71	2441.29	
	<b>RSII</b>	<b>5.22</b>	<b>2293.49</b>	<b>2446.51</b>	
	pup	6.11	2287.38	2452.62	
53	4 1/2" 11.6ppf N-80 LTC	44.22	2243.16	2496.84	

## PACKERS PLUS - PACKER PLACEMENT

54	4 1/2" 11.6ppf N-80 LTC	44.22	2198.94	2541.06	
55	4 1/2" 11.6ppf N-80 LTC	44.17	2154.77	2585.23	
56	4 1/2" 11.6ppf N-80 LTC	42.91	2111.86	2628.14	
	<b>3.125 FRAC PORT</b>	<b>2.65</b>	<b>2109.21</b>	<b>2630.79</b>	
57	4 1/2" 11.6ppf N-80 LTC	44.18	2065.03	2674.97	
58	4 1/2" 11.6ppf N-80 LTC	43.38	2021.65	2718.35	
59	4 1/2" 11.6ppf N-80 LTC	44.20	1977.45	2762.55	
	pup	3.08	1974.37	2765.63	
	<b>RSII</b>	<b>5.23</b>	<b>1969.14</b>	<b>2770.86</b>	
	pup	6.14	1963.00	2777.00	
60	4 1/2" 11.6ppf N-80 LTC	44.18	1918.82	2821.18	
61	4 1/2" 11.6ppf N-80 LTC	44.21	1874.61	2865.39	
62	4 1/2" 11.6ppf N-80 LTC	44.18	1830.43	2909.57	
63	4 1/2" 11.6ppf N-80 LTC	42.68	1787.75	2952.25	
	<b>3.250 FRAC PORT</b>	<b>2.65</b>	<b>1785.10</b>	<b>2954.90</b>	
64	4 1/2" 11.6ppf N-80 LTC	44.14	1740.96	2999.04	
65	4 1/2" 11.6ppf N-80 LTC	44.18	1696.78	3043.22	
66	4 1/2" 11.6ppf N-80 LTC	44.21	1652.57	3087.43	
67	4 1/2" 11.6ppf N-80 LTC	44.32	1608.25	3131.75	
	pup	3.07	1605.18	3134.82	
	<b>RSII</b>	<b>5.24</b>	<b>1599.94</b>	<b>3140.06</b>	
	pup	6.13	1593.81	3146.19	
68	4 1/2" 11.6ppf N-80 LTC	43.94	1549.87	3190.13	
69	4 1/2" 11.6ppf N-80 LTC	43.06	1506.81	3233.19	
70	4 1/2" 11.6ppf N-80 LTC	44.20	1462.61	3277.39	
71	4 1/2" 11.6ppf N-80 LTC	44.21	1418.40	3321.60	
72	4 1/2" 11.6ppf N-80 LTC	44.20	1374.20	3365.80	
	<b>3.375 FRAC PORT</b>	<b>2.65</b>	<b>1371.55</b>	<b>3368.45</b>	
73	4 1/2" 11.6ppf N-80 LTC	44.10	1327.45	3412.55	
74	4 1/2" 11.6ppf N-80 LTC	44.19	1283.26	3456.74	
75	4 1/2" 11.6ppf N-80 LTC	44.22	1239.04	3500.96	
76	4 1/2" 11.6ppf N-80 LTC	42.05	1196.99	3543.01	
77	4 1/2" 11.6ppf N-80 LTC	42.94	1154.05	3585.95	
78	4 1/2" 11.6ppf N-80 LTC	41.93	1112.12	3627.88	
79	4 1/2" 11.6ppf N-80 LTC	44.15	1067.97	3672.03	
80	4 1/2" 11.6ppf N-80 LTC	43.18	1024.79	3715.21	
81	4 1/2" 11.6ppf N-80 LTC	44.16	980.63	3759.37	
	pup	3.07	977.56	3762.44	
	<b>RSII</b>	<b>5.24</b>	<b>972.32</b>	<b>3767.68</b>	
	pup	6.15	966.17	3773.83	
82	4 1/2" 11.6ppf N-80 LTC	44.22	921.95	3818.05	
83	4 1/2" 11.6ppf N-80 LTC	44.21	877.74	3862.26	
84	4 1/2" 11.6ppf N-80 LTC	44.18	833.56	3906.44	
85	4 1/2" 11.6ppf N-80 LTC	44.23	789.33	3950.67	
	PUP	3.09	786.24	3953.76	
	BOTTOM CONN.	1.01	785.23	3954.77	
	SF HANGER	2.52	782.71	3957.29	
	LOWER SETTING SLEEVE	2.82	779.89	3960.11	

## PACKERS PLUS - PACKER PLACEMENT

	<b>UPPER SETTING SLEEVE</b>	1.64	778.25	3961.75	
	<b>HYD SETTING TOOL</b>	2.84	775.41	3964.59	
	<b>TOP CONN.</b>	1.04	774.37	3965.63	
	<b>HANDLING SUB</b>	5.01	769.36	3970.64	
1	<b>DP</b>	95.40	673.96	4066.04	
2		94.03	579.93	4160.07	
3		95.36	484.57	4255.43	
4		95.26	389.31	4350.69	
5		94.95	294.36	4445.64	
6		95.18	199.18	4540.82	
7		94.98	104.20	4635.80	
8		95.15	9.05	4730.95	
9		95.10	-86.05	4826.05	
10	<b>DP</b>	95.10	-181.15	4921.15	
11	<b>HW DP</b>	92.35	-273.50	5013.50	
12		94.17	-367.67	5107.67	
13		91.66	-459.33	5199.33	
14		92.79	-552.12	5292.12	
15		93.46	-645.58	5385.58	
16		93.40	-738.98	5478.98	
17		92.88	-831.86	5571.86	
18		92.83	-924.69	5664.69	
19		93.42	-1018.11	5758.11	
20		93.10	-1111.21	5851.21	
21		92.94	-1204.15	5944.15	
22		91.23	-1295.38	6035.38	
23		93.46	-1388.84	6128.84	
24		91.85	-1480.69	6220.69	
25		93.45	-1574.14	6314.14	
26		93.44	-1667.58	6407.58	
27		93.41	-1760.99	6500.99	
28	<b>HW DP</b>	93.45	-1854.44	6594.44	
29	<b>DP</b>	95.12	-1949.56	6689.56	
30		94.97	-2044.53	6784.53	
31		95.05	-2139.58	6879.58	
32		95.28	-2234.86	6974.86	
33		95.22	-2330.08	7070.08	
34		95.20	-2425.28	7165.28	
35		95.03	-2520.31	7260.31	
36		95.18	-2615.49	7355.49	
37		95.22	-2710.71	7450.71	
38		95.17	-2805.88	7545.88	
39	<b>DP</b>	95.02	-2900.90	7640.90	
86		31.74	-2932.64	7672.64	



**Do It Once  
Do It Right**

**Job Record**

Operator:	CMX	Base Point:	Conway
Company Rep:	Ed Gladden	Packers Plus Rep:	Gary Goodman/Brad Kelley
Well Name:	Socrates 1-H	Date Started:	1/17/2012
Ticket Number:	SOU004046	Date Completed:	2/5/2012
County/State:	Rice Co, Kansas	Type of Job:	StackFrac HD
Field	N/A	Formation	Mississippi
Rig Name	Duke 20	Well API #	N/A

DETAIL THE JOB - THIS FORM USED TO REPORT WHAT ACTUALLY TOOK PLACE - FILL OUT COMPLETELY

General Well Information				Stages			
Well Profile	Open Hole Horizontal			Number of Stages	3		
Depth TVD	3,770	Feet		Packers Set At			
Depth MD	7,950	Feet	MD to Packer 1	3377			
			Packer 1 to Packer 2	453.05			
			Packer 2 to Packer 3	365.4			
Lateral Length	4,201	Feet					
KOP	2,842	Feet					
Hole Size	6.125	Inch					
BHP	1,634	PSI					
BHT	98	°F					
Reamer run?	Yes	Size	6.00"				
Build Rate	10/100	°/100 FT					
Max Dog Leg	8	°/100 FT					
Angle of Perma Plus	0	°					
Planned Depth Guide Shoe	7650	Feet					
Actual Depth Guide Shoe	4740	Feet					
Distance Off		Feet					
				Average Stage Length	1398.483333	Feet	

**WORK STRING INFORMATION**

Casing	Weight	Thread	ID	Capacity	Grade	Shoe	
7	26	ltc	6	0.038263237	J55	3749	
				0			
Drill Pipe	Weight	Thread	ID	Capacity	Grade	Length	Torque
3.5	13.3	IF	2.725	0.007213547	S135	2010.32	1,500
Heavy Weight	Weight	Thread	ID	Capacity	Grade	Length	Torque
3.5	26	IF	2.125	0.004386657	S135	1673.29	1,500
Drill Collar	Weight	Thread	ID	Capacity	Grade	Length	Torque
0	0	.	0	0	0	0	0
Liner	Weight	Thread	ID	Capacity	Grade	Length	Torque
4.5	11.6	LTC	4	0.015543035	N80	3957.29	2280
Well Data						Open Hole	
MD	TVD	KOP	Shoe	Bottom of curve @90	Lateral	Size	Capacity
	3770	2842	7650'	3749'	4201	6.125	0.03644417 bbl/ft

**FLUIDS**

Mud Weight	Mud Type	Fill Fluid	Fill Weight	LCM (if yes-amount- ppg)	Viscosity
8.35	water base	water base	8.35	0	0
Fluid Level in Annulus	PUMP	Elevator			
Start	TYPE	Top Drive	Kelly	Weight	
Change	full	0	X	12k	

**AS RUN IN HOLE WEIGHTS**

Liner	Push Pipe	H.W.D.P.	D.P.
Air	Air	Air	Air
Mud	Mud	Mud	Mud
0	8	0	8
<b>Calculated Neutral Weight Including Blocks:</b>		<b>Weight When Released From SF Liner Hanger:</b>	
0		0	
		<b>Pipe Stretch in Inches Before Releasing:</b>	
		0	

Setting Tool Part Number	108720-000001	Frac Port Part Number	121332-000015
Elastomer / Metallurgy		Elastomer / Metallurgy	
Packer Part Number	121381-000001	Other Part No.	
Elastomer / Metallurgy	HSN	Elastomer / Metallurgy	
FTR	NONE	Problem on Job	

**Notes:**