



KANSAS CORPORATION COMMISSION 1098883
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 # 8925
Name: Liberty Oper & Compl, Inc
Address 1: 308 W MILL
Address 2: _____
City: PLAINVILLE State: KS Zip: 67663 + 2229
Contact Person: Roger L. Comeau
Phone: (785) 434-4686
CONTRACTOR: License # 34743
Name: White Knight Drilling LLC
Wellsite Geologist: Tony Richardson
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 #: _____
9/20/2012 10/9/2012 10/17/2012
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-163-24078-00-00
Spot Description:
NW NW SE NW Sec. 33 Twp. 9 S. R. 19 East West
1365 Feet from North / South Line of Section
1380 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Rooks
Lease Name: Green Well #: 1
Field Name: _____
Producing Formation: Arbuckle
Elevation: Ground: 2223 Kelly Bushing: 2230
Total Depth: 3790 Plug Back Total Depth: _____
Amount of Surface Pipe Set and Cemented at: 204 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: 5000 ppm Fluid volume: 80 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 Gantior Date: 11/15/2012



1098883

Operator Name: Liberty Oper & Compl, Inc Lease Name: Green Well #: 1
Sec. 33 Twp. 9 S. R. 19 County: Rooks

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)
Samples Sent to Geological Survey
Cores Taken
Electric Log Run
Electric Log Submitted Electronically (If no, Submit Copy)
List All E. Logs Run: Attached

CASING RECORD
Table with 8 columns: 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. Rows include Surface, Production, and DV Tool.

ADDITIONAL CEMENTING / SQUEEZE RECORD
Table with 5 columns: Purpose, Depth Top Bottom, Type of Cement, # Sacks Used, Type and Percent Additives.

PERFORATION RECORD - Bridge Plugs Set/Type
Table with 4 columns: 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.

TUBING RECORD: Size: 2 7/8 Set At: 3750 Packer At: Liner Run: [] Yes [x] No
Date of First, Resumed Production, SWD or ENHR. Producing Method: [] Flowing [] Pumping [] Gas Lift [] Other (Explain)
Estimated Production Per 24 Hours Oil Bbbs. Gas Mcf Water Bbbs. Gas-Oil Ratio Gravity

DISPOSITION OF GAS: [] Vented [] Sold [] Used on Lease (If vented, Submit ACO-18.)
METHOD OF COMPLETION: [] Open Hole [x] Perf. [] Dually Comp. (Submit ACO-5) [] Commingled (Submit ACO-4) [] Other (Specify)
PRODUCTION INTERVAL: Arbuckle

Form	ACO1 - Well Completion
Operator	Liberty Oper & Compl, Inc
Well Name	Green 1
Doc ID	1098883

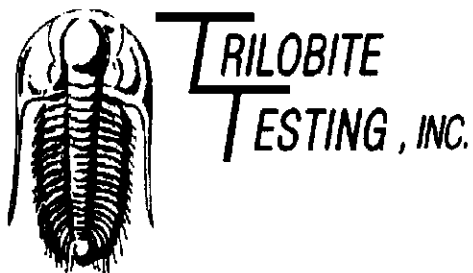
All Electric Logs Run

Dual Receiver Cement Band Log
Compensated Density/Neutron PE Log
Dula Induction Log
Micro Log

Form	ACO1 - Well Completion
Operator	Liberty Oper & Compl, Inc
Well Name	Green 1
Doc ID	1098883

Tops

Anhydrite	1621	+609
Topeka	3191	-961
Heebner Shale	3398	-1168
Toronto	3417	-1187
L/KC A	3437	-1207
Stark Shale	3616	-1386
b/KC	3600	-1430
cong	3672	-1442
Arbuckle	3748	-1518



DRILL STEM TEST REPORT

Prepared For: **Liberty Operations & Completions Inc**

308 W. Mill
Plainville KS 67663

ATTN: Jerry Green

Green #1

33-9s-19w Rooks,KS

Start Date: 2012.09.29 @ 22:40:00

End Date: 2012.09.30 @ 08:58:30

Job Ticket #: 51003 DST #: 1

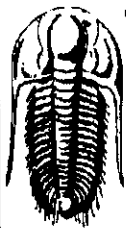
Trilobite Testing, Inc

PO Box 362 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.10.02 @ 16:18:29

Liberty Operations & Completions Inc
33-9s-19w Rooks,KS
Green #1
DST # 1
Cong - L
2012.09.29



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

Liberty Operations & Completions Inc

33-9s-19w Rooks,KS

308 W. Mill
Plainville KS 67663

Green #1

Job Ticket: 51003 **DST#: 1**

ATTN: Jerry Green

Test Start: 2012.09.29 @ 22:40:00

GENERAL INFORMATION:

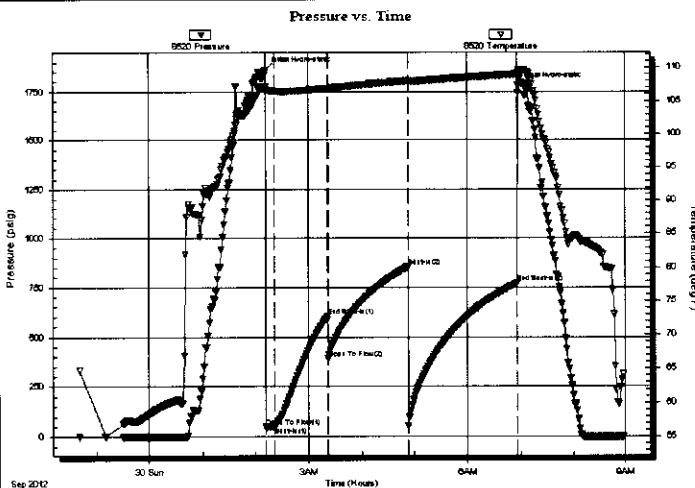
Formation: **Cong - L**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 02:11:30
 Time Test Ended: 08:58:30
 Interval: **3630.00 ft (KB) To 3714.00 ft (KB) (TVD)**
 Total Depth: **3714.00 ft (KB) (TVD)**
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Cody Bloedorn
 Unit No: 38
 Reference Elevations: 2225.00 ft (KB)
 2220.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 8520

Outside

Press@RunDepth: 854.90 psig @ 3700.00 ft (KB)
 Start Date: 2012.09.29 End Date: 2012.09.30
 Start Time: 22:40:00 End Time: 08:58:30
 Capacity: 8000.00 psig
 Last Calib.: 2012.09.30
 Time On Btm: 2012.09.30 @ 02:11:00
 Time Off Btm: 2012.09.30 @ 06:57:00

TEST COMMENT: 010 - IF- 1/2" blow .
 060 - IS- No blow back
 090 - FF- No blow
 120 - FS- No blow back



PRESSURE SUMMARY

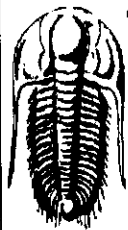
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1859.88	107.12	Initial Hydro-static
1	49.52	106.74	Open To Flow (1)
10	50.89	106.46	Shut-In(1)
70	604.52	106.94	End Shut-In(1)
71	392.55	106.92	Open To Flow (2)
162	854.90	108.02	Shut-In(2)
286	771.95	108.98	End Shut-In(2)
286	1779.12	109.33	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4.00	Mud - w Show of Oil, 100%M	0.06

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Liberty Operations & Completions Inc

33-9s-19w Rooks,KS

308 W. Mill
Plainville KS 67663

Green #1

Job Ticket: 51003

DST#: 1

ATTN: Jerry Green

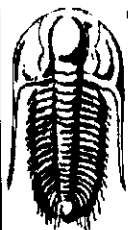
Test Start: 2012.09.29 @ 22:40:00

Tool Information

Drill Pipe:	Length: 3634.00 ft	Diameter: 3.80 inches	Volume: 50.98 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 30000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 34000.00 lb
			<u>Total Volume: 50.98 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 30000.00 lb
Depth to Top Packer:	3630.00 ft			Final 30000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	84.00 ft			
Tool Length:	104.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3611.00	
Shut In Tool	5.00			3616.00	
Hydraulic tool	5.00			3621.00	
Packer	5.00			3626.00	20.00 Bottom Of Top Packer
Packer	4.00			3630.00	
Stubb	1.00			3631.00	
Perforations	5.00			3636.00	
Change Over Sub	1.00			3637.00	
Drill Pipe	62.00			3699.00	
Change Over Sub	1.00			3700.00	
Recorder	0.00	8354	Inside	3700.00	
Recorder	0.00	8520	Outside	3700.00	
Perforations	11.00			3711.00	
Bullnose	3.00			3714.00	84.00 Bottom Packers & Anchor
Total Tool Length:	104.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

Liberty Operations & Completions Inc

33-9s-19w Rooks,KS

308 W. Mill
Plainville KS 67663

Green #1

Job Ticket: 51003

DST#: 1

ATTN: Jerry Green

Test Start: 2012.09.29 @ 22:40:00

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:

ppm

Viscosity: 60.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.99 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 1000.00 ppm

Filter Cake: inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4.00	Mud - w Show of Oil, 100%M	0.056

Total Length: 4.00 ft

Total Volume: 0.056 bbl

Num Fluid Samples: 0

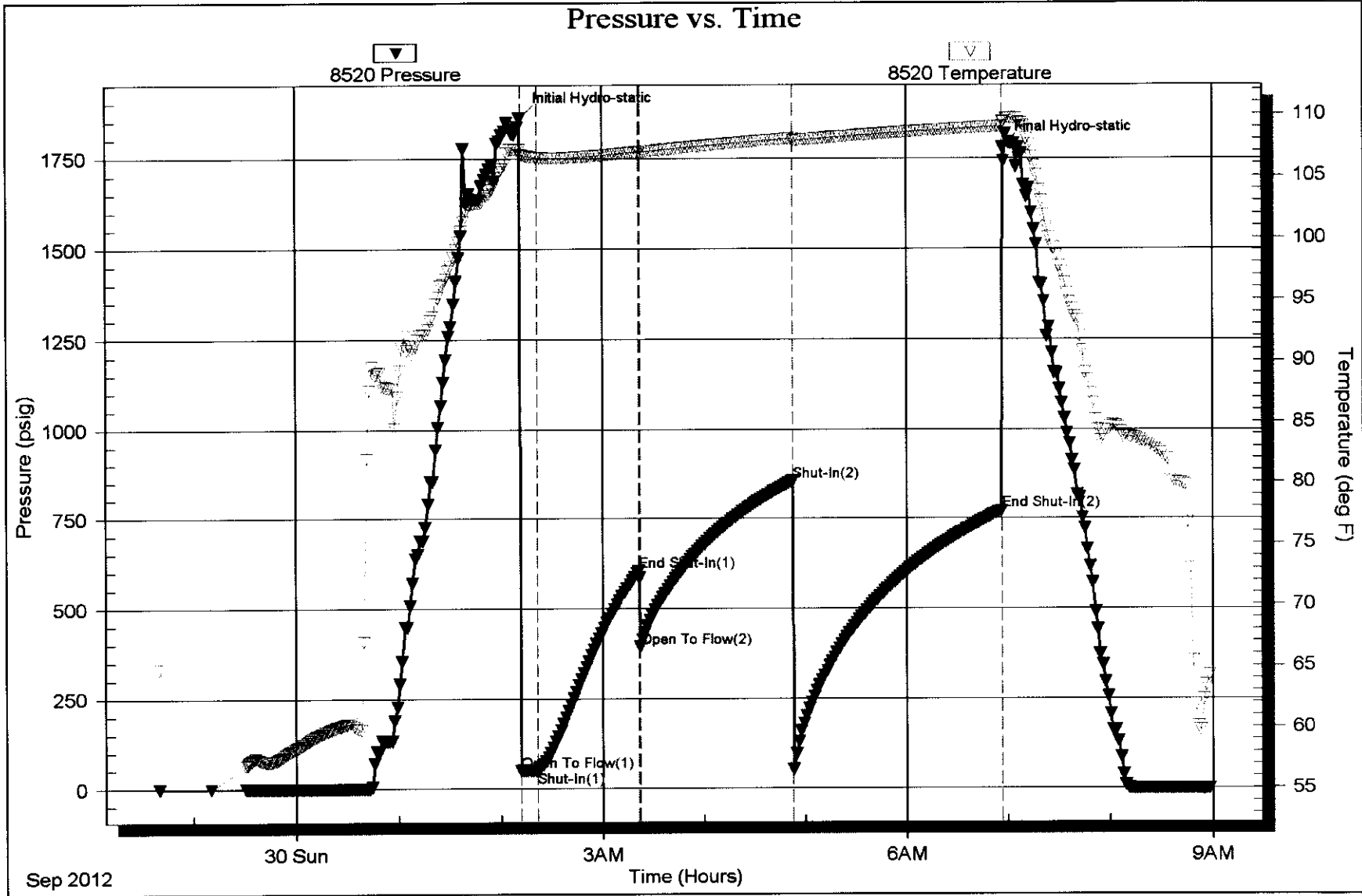
Num Gas Bombs: 0

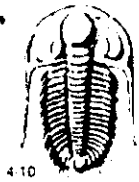
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 51003

Well Name & No. Green #1 Test No. 1 Date 9-29-62
 Company Liberty Oper & Compl, INC Elevation 2225 KB 2220 GL
 Address 308 W Mill, Plainville KS, 67063
 Co. Rep / Geo. Jerry Green Rig White Knight
 Location: Sec. 33 Twp. 9 S Rge. 19 W Co. Rooks State KS

Interval Tested 3630-3714 Zone Tested ~~3630~~ (org) - L
 Anchor Length 84' Drill Pipe Run 3634' Mud Wt. 8.7
 Top Packer Depth 3625 Drill Collars Run — Vis 60
 Bottom Packer Depth 3630 Wt. Pipe Run — WL 8.0
 Total Depth 3714 Chlorides 1,000 ppm System LCM —

Blow Description IF - 1/2" blow
ISI - No blow back.
FF - No blow
FSI - No blow back.

Rec	Feet of	%gas	%oil	%water	%mud
<u>4</u>	<u>Mud - show of oil</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 4' BHT 108° Gravity — API RW — @ — ° F Chlorides — ppm

(A) Initial Hydrostatic	<u>1859</u>	<input checked="" type="checkbox"/> Test	<u>1150</u>	T-On Location	<u>7:49pm</u>
(B) First Initial Flow	<u>49</u>	<input type="checkbox"/> Jars		T-Started	<u>10:30pm</u>
(C) First Final Flow	<u>50</u>	<input type="checkbox"/> Safety Joint		T-Open	<u>2:16am</u>
(D) Initial Shut-In	<u>604</u>	<input type="checkbox"/> Circ Sub		T-Pulled	<u>7:00am</u>
(E) Second Initial Flow	<u>392</u>	<input checked="" type="checkbox"/> Hourly Standby	<u>4 hrs</u> 4.25hrs 425	T-Out	<u>9:03am</u>
(F) Second Final Flow	<u>854</u>	<input checked="" type="checkbox"/> Mileage	<u>34, 68RTx3</u> 316.20	Comments	<u>Problems w light plant / cat head</u>
(G) Final Shut-In	<u>771</u>	<input type="checkbox"/> Sampler			<u>on 10-1-12 Drove to get tool, couldn't get. Went back Home.</u>
(H) Final Hydrostatic	<u>1779</u>	<input type="checkbox"/> Straddle			<u>Trained Shale Packer Picked up tool</u>

Initial Open 10 Initial Shut-In 60 Final Flow 90 Final Shut-In 120

Shale Packer Remud Packer on 10-2-12
 Extra Packer Extra Copies @ 9:00am
 Extra Recorder Sub Total 800
 Day Standby 12 1d 24hrs Total 2691.20
 Accessibility MP/DST Disc't

Sub Total _____

Approved By _____ Our Representative Cody R...

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements, or opinion concerning the results of any test. Tools lost or damaged in the hole shall be paid for at least by the party for whom the test is made.

ALLIED OIL & GAS SERVICES, LLC 056552

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

SERVICE POINT:
Russell KS

DATE <u>10-2-12</u>	SEC. <u>33</u>	TWP. <u>9</u>	RANGE <u>19</u>	CALLED OUT	ON LOCATION	JOB START <u>2:00 AM</u>	JOB FINISH <u>2:30 AM</u>
LEASE <u>9</u>		WELL# <u>1</u>		LOCATION <u>Zuc. 1K3 1W 1/2 SE into</u>		COUNTY <u>Rooks</u>	STATE <u>KS</u>
OLD OR NEW (Circle one)							

CONTRACTOR <u>W & K</u>	OWNER
TYPE OF JOB <u>DV</u>	
HOLE SIZE <u>7 7/8</u> T.D. <u>2790</u>	CEMENT
CASING SIZE <u>5 1/2 15.5"</u> DEPTH <u>2794.75</u>	AMOUNT ORDERED <u>200 sac 102 gal 2.2 gal</u>
TUBING SIZE DEPTH	<u>450 #9/40 2 7/8" fact 7 1/2" 510</u>
DRILL PIPE DEPTH	<u>300 gal Mud Flush</u>
TOOL DV DEPTH <u>1751.74</u>	
PRES. MAX MINIMUM	COMMON <u>470 @ 17.90 8413.00</u>
MEAS. LINE SHOE JOINT <u>10.82</u>	POZMIX <u>180 @ 9.35 1683.00</u>
CEMENT LEFT IN CSG. <u>10.87'</u>	GEL <u>12 @ 23.40 280.80</u>
PERFS.	CHLORIDE @
DISPLACEMENT <u>89 3/4 bbl 4 1/2 bbl</u>	ASC @

EQUIPMENT

PUMP TRUCK CEMENTER <u>Robert Y</u>	
# <u>217</u> HELPER <u>Woody O</u>	
BULK TRUCK	
# <u>410</u> DRIVER <u>Kevin R</u>	
BULK TRUCK	
# <u>481</u> DRIVER <u>Walter K</u>	

COMMON	<u>470</u>	@	<u>17.90</u>	<u>8413.00</u>
POZMIX	<u>180</u>	@	<u>9.35</u>	<u>1683.00</u>
GEL	<u>12</u>	@	<u>23.40</u>	<u>280.80</u>
CHLORIDE		@		
ASC		@		
salt	<u>22</u>	@	<u>26.35</u>	<u>579.70</u>
Classical	<u>5</u>	@	<u>2.97</u>	<u>14.85</u>
Mud Flush	<u>12</u>	@	<u>58.70</u>	<u>704.40</u>
		@		
		@		
		@		
		@		
HANDLING	<u>698.83 5+</u>	@	<u>2.45</u>	<u>1720.69</u>
MILEAGE	<u>1048.655 +/-m</u>		<u>260</u>	<u>2726.59</u>
				TOTAL <u>16479.43</u>

REMARKS:

run 91 gal cement 5 1/2 15.5" casing cement
circulation dump ball pump mud flush
200 sac 102 gal 2.2 gal displace
89 3/4 bbl of water land plug at 1300'
trapped start open DV tool circulate
for 15 min plugged Rook hole with 30
sack cement 420 gal 60/40 2.2 gal
1/2" G. displaced 4 1/2 bbl of water
land plug at 1300'
cement did circulate to surface

CHARGE TO: Liberty
STREET _____
CITY _____ STATE _____ ZIP _____

(Roch Williams)
(KCC Corporation) Thank you!!!

To: Allied Oil & Gas Services, LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or 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.

PRINTED NAME _____
SIGNATURE Robert Y

SERVICE

DEPTH OF JOB			<u>2784.25</u>
PUMP TRUCK CHARGE			<u>2558.25</u>
EXTRA FOOTAGE	@		
MILEAGE	<u>35 110MJ</u>	@	<u>7.70 269.50</u>
MANIFOLD		@	
	<u>75 LV.47</u>	@	<u>4.40 154.00</u>
waiting time	<u>2</u>	@	<u>440.00 880.00</u>
waiting time	<u>2 x 400</u>	@	<u>0</u>
TOTAL <u>6268.50</u>			

PLUG & FLOAT EQUIPMENT

TR DV tool	@	<u>5335.26</u>	<u>5335.26</u>
7 mud lines	@	<u>57.37</u>	<u>401.31</u>
2 huck to	@	<u>394.79</u>	<u>789.58</u>
1 2 1/2" float shoe	@	<u>475.02</u>	<u>475.02</u>
	@		
TOTAL <u>7000.17</u>			

SALES TAX (If Any) _____
TOTAL CHARGES 29748.10
DISCOUNT 11453.02 IF PAID IN 30 DAYS