

Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

January 2018

Form must be Typed

Form must be Signed

All blanks must be Filled

**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

Gas  DH  EOR

OG  GSW

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 EOR  Conv. to SWD

Plug Back  Liner  Conv. to GSW  Conv. to Producer

Commingled Permit #: \_\_\_\_\_

Dual Completion Permit #: \_\_\_\_\_

SWD Permit #: \_\_\_\_\_

EOR Permit #: \_\_\_\_\_

GSW Permit #: \_\_\_\_\_

Spud Date or Date Reached TD Completion Date or Recompletion Date

API No.: \_\_\_\_\_

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

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical 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**

Confidentiality Requested

Date: \_\_\_\_\_

Confidential Release Date: \_\_\_\_\_

Wireline Log Received  Drill Stem Tests Received

Geologist Report / Mud Logs 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 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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 Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No  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
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

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)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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**EPOC, LLC**  
**Andover, Kansas**

**Scale 1:240 (5"=100') Imperial**  
**Measured Depth Log**

**Well Name:** Eck A #7  
**API:** 15-015-24189  
**Location:** S2 SE NE NW S32-T23S-R5E  
**License Number:** 35831  
**Spud Date:** 2/8/23  
**Surface Coordinates:**

**Region:** Butler County, KS  
**Drilling Completed:** 2/11/23

**Bottom Hole**  
**Coordinates:**  
**Ground Elevation (ft):** 1486'      **K.B. Elevation (ft):** 1495'  
**Logged Interval (ft):** 2000'      **To: R.T.D.      Total Depth (ft):** 2619'  
**Formation:** Kinderhook  
**Type of Drilling Fluid:** Chemical

Printed by MudLog from WellSight Systems 1-800-447-1534 [www.WellSight.com](http://www.WellSight.com)

**OPERATOR**

**Company:** EPOC, LLC  
**Address:** 313 E. Aaron Dr.  
Andover, Kansas 67002-8649

**GEOLOGIST**

**Name:** Brandon Wolfe  
**Company:** Lone Wolf Well Logging, LLC  
**Address:** 1016 N Biddle St  
Moline, KS 67353

**Formation**

**Sample Tops**

**Log Tops**

Kansas City	2089' (-594)	2084' (-589)
Base Kansas City	2222' (-727)	2218' (-723)
Marmaton	2308' (-813)	2302' (-807)
Altamont	2352' (-857)	2348' (-853)
Cherokee	2429' (-934)	2424' (-929)
Mississippi	2448' (-953)	2444' (-949)
Kinderhook	2530' (-1035)	2528' (-1033)
Total Depth	2619' (-1124)	2615' (-1120)

**CASING**

210' 8 5/8" surface casing  
2000' 5 1/2" production casing

**Comments**

The decision was made to set and cement 5 1/2" production casing to further evaluate the Mississippi Chert through perforations.

**Zones of Intrest**

ALL FOOTAGES IN THIS SECTION ARE BASED OFF OF LOG DEPTHS

Kansas City 2084' (-589)  
2096'-2102'

Limestone - light brown to cream, fine crystalline, dense, occasionally weathered with fair vugular and pin point porosity, light staon, show of free oil, 15% bright yellow fluorescence, fair odor.

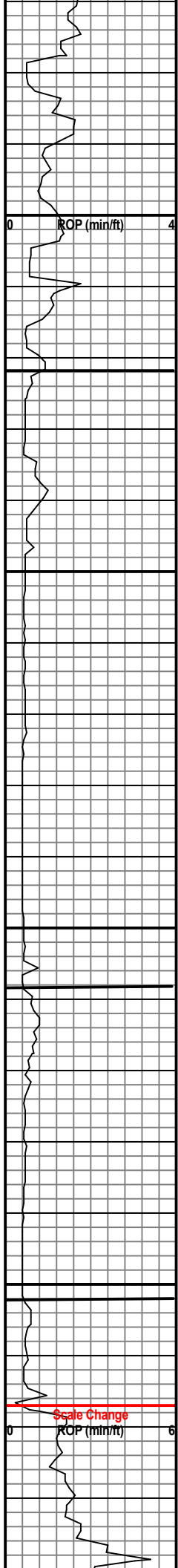
Mississippi 2444' (-949)  
2444'-2459'

Chert - white to light brown to some amber, opaque, mostly weathered, scattered fresh chert, fair vug and pin point porosity, light brown staon throughout, show of free oil, gas bubbles, 25% brght yellow fluorescence, light to fair odor.

**ROCK TYPES**

 Anhy	 Dol	 Sdy_Is	 Limy_sh	 Limy_ss
 Bent	 Limy_dolo	 Shaly_Is	 Hot_shale	 Shaly_ss
 Brec	 Cherty_dolo	 Dolo_Is	 Hot_shale_i	 Shaly_limy_ss
 Cht	 Gyp	 Meta	 Shcol	 Till
 Clyst	 Igne	 Mrlst	 Shgy	
 Coal	 Lmst	 Salt	 Sltst	
 Congl	 Cherty_Is	 Shale	 Ss	

Curve Track 1 ROP (min/ft) _____	MD	Lithology	Oil Shows	Geological Descriptions	Remarks
	2000 MD			<p><b>START 10' Wet &amp; Dry Samples</b></p> <p>SH: gry, chky.</p>	Start Mud Up
	2050			<p>SH: gry, slty, chky.</p>	
	2100		<p>SH: AA.</p>	<p>SH: gry, chky, slty.</p>	<p>Kansas City 2089' (-594)</p>
	2150		<p>LS: lt bm to gry, fn xln, dns, lam shl, trc wht chlk, pr vis por, NS.</p>	<p>LS: lt bm to crm, fn xln, dns, occ wthrd w/ fr vug &amp; PP por, lt stn, SFO, 10-15% brght yllw flor, fr odor.</p> <p>LS: gry to lt bm, fn xln, dns, shly, foss, pr vis por, NS.</p> <p>LS: bm to lt bm, fn xln, dns, foss, pr vis por, NS.</p>	<p>E-Log 2084' (-589)</p>
			<p>SH: drk gry to blk, sub carb, pyr.</p>	<p>LS: lt bm, fn xln, dns, sct frsh cht, NS.</p>	
			<p>LS: mstly off wht to crm, fn xln, chky, wthrd, occ fr interxln por, NS.</p>	<p>LS: gry to lt bm, fn xln, dns, chrty IP, pr vis por, NS.</p>	



2200 MD

2250

2300

2350

LS: AA

SH: drk gry to blk, carb.

LS: crm to off wht, fn xln, dns, sli chlky & wthtrd, mstly pr vis por, NS.

SH: blk to drk gry, carb.

LS: lt bm, fn xln, dns, foss frag, pr vis por, NS. SH: gry to drk gry.

SH: gry, slty, pyr.

LS: mstly bm, fn xln, vry foss, sli sndy txt, pr vis por, NS.

SH: gry to lt gry, limy.

SS: gry, fn gm, md, calc mtrx, shly, pr ig pot, NS.

SS: AA w/ NS.

SS: AA w/ NS.

SH: drk gry to gry, slty, sndy, carb incl.

LS: bm to gry, fn xln, dns, trc foss, xln incl, pr vis por, NS.

SH: gry to sm gm, slty, hvly lam carb strks & incl.

SH: AA

LS: lt bm to bm, fn xln, dns, foss cast, no vis por, NS.

SH: drk gry to blk, sub carb.

SH: gry, sli sndy, sm gm.

Base Kansas City 2222' (-727)

E-Log 2218' (-723)

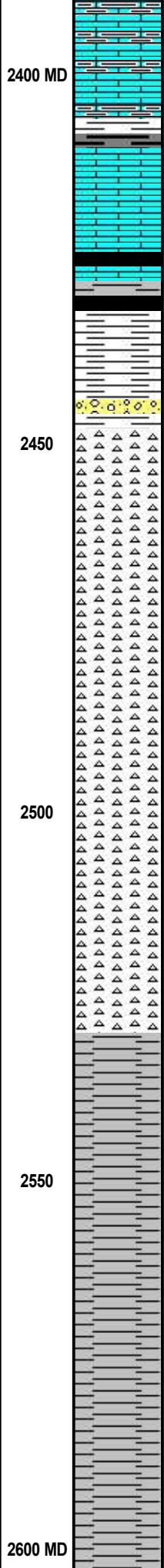
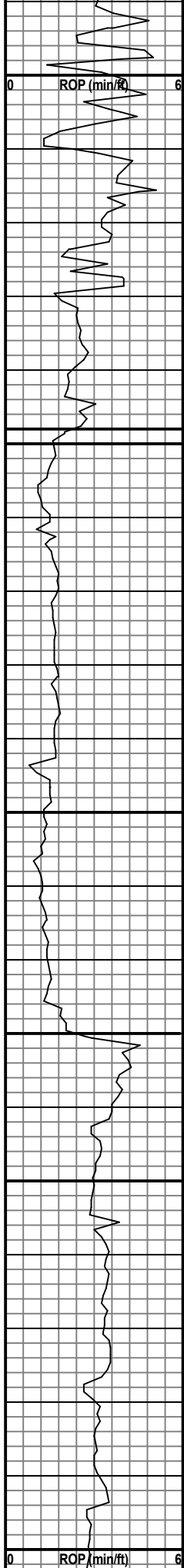
Mamaton 2308' (-813)

E-Log 2302' (-807)

Altamont 2352' (-857)

E-Log 2348' (-853)

Trip Bit @ 2367' - Put Button Bit on.



LS: lt bm to gry, fn xln, dns, sh incl, pr vis por, NS.

LS: AA.

SH: blk to vry drk gry, carb, pyr.

LS: lt bm to bm, fn xln, dns, foss, sil chrt, pr vis por, NS.

SH: blk, carb. LS: AA.

SH: red to gm to gry, sndy, scat sil LS, trc SS.

CHT: wht to lt bm, opq, mstly wthtd, scat frsh, vug & PP por, lt bm stn, sli SFO, few GB, 25% brght flor, ft odor.

CHT: AA w/ 20% brght flor, odor.

CHT: AA, 50/50 wthrd/frsh, PP por w/ 25% flor, few GB, sli SFO, lt stn, odor.

CHT: off wht to amber to lt bm, opq, trans IP, no stn, no odor, no SFO, 5% flor.

CHT: AA frsh w/ trc flor.

CHT: wht, lt bm, amber, opq to trans IP, frsh, NS.

CHT: AA.

CHT: AA w/ NS.

SH: drk gry to gm, pyr, CHT AA.

SH: drk gry to gm to red.

SH: drk gry to gm, wsh drty.

SH: AA.

Cherokee 2429' (-934)

E-Log 2424' (-929)

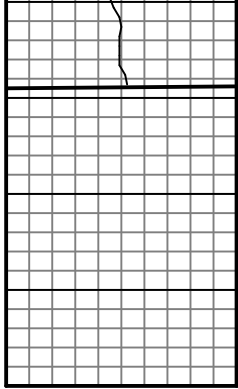
Mississippi 2448' (-953)

E-Log 2444' (-949)

Wt 9.0  
Vis 41  
WL 8.8  
Chloride 1,000  
LCM 2#

Kinderhook 2530' (-1035)

E-Log 2528' (-1033)



2650



SH: drk gry, pyr.

RTD @ 3:00PM on 2/11/23

RTD 2619' (-1124)

LTD 2615' (-1120)

810 E 7<sup>TH</sup>  
 PO Box 92  
 EUREKA, KS 67045  
 (620) 583-5561



C+G Drlg.  
 Rig #3

**Cement or Acid Field Report**  
 Ticket No. **7042**  
 Foreman David Gardner  
 Camp Eureka

API # 15-015-24189

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
2-9-23	1423	Eck A' #7	32	23 S.	5 E.	Butler	KS
Customer			Unit #	Driver		Unit #	Driver
EPOC, LLC			111	Shannon			
Mailing Address			115	Dan			
313 E. Aaron Dr.							
City	State	Zip Code					
Andover	KS	67002					

Job Type Surface Hole Depth 224' K.B. Slurry Vol. \_\_\_\_\_ Tubing 1" Hydril  
 Casing Depth 210.50' G.L. Hole Size 12 1/4" Slurry Wt. 15# Drill Pipe \_\_\_\_\_  
 Casing Size & Wt. 8 5/8" Cement Left in Casing 15' +/- Water Gal/SK \_\_\_\_\_ Other \_\_\_\_\_  
 Displacement 13 Bbl Displacement PSI \_\_\_\_\_ Bump Plug to \_\_\_\_\_ BPM \_\_\_\_\_

Remarks: Safety Meeting: Rig lost circulation @ Approximately 90'. Couldn't get circulation back. Dry drilled to T.D. Run 8 5/8" casing. Rig upto 8 5/8" casing. Pump 5 Bbl water ahead. Mixed 150 sks Class A' Cement w/ 3% Calc, 2% Gel, 1/4" Floreal/sk @ 15#/gal, yield 1.35 = 36 Bbl slurry. Displace w/ 13 Bbl fresh water. Shut down. Close casing in. No circulation. Wait 1 HR. Run 1" Hydril Down annulus + tag cement @ 95'. Pump 85 sks cement w/ No circulation or returns to surface. Wait 2 HRS for more cement. Pump 200 sks cement. Good cement returns to surface. Pull 1" Hydril. Top well off. Well standing full of cement after 30 mins. Job complete. Rig down.

Note: Mixed 4 sks Hulls in 1st 150 sks cement. 2 from Elite, 2 from Rig  
Dumped 10 sks Hulls from Rig down annulus before running 1" Hydril.

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C101	1	Pump Charge	950.00	950.00
C107	50	Mileage	5.00	250.00
C200	435 sks	Class A' Cement	18.55	8069.25
C205	1225#	Calc 3%	.75	918.75
C206	815#	Gel 2%	.30	244.50
C209	110#	Floreal 1/4"/sk	2.80	308.00
C108B	20.44	Ton Mileage - 50 Miles	1.50	1533.00
C214	80#	Hulls	.80	64.00
C118	1	1" Hydril Rental	m/c	150.00
<u>Thank You</u>			Sub Total	12,487.50
			Less 5%	656.08
			Sales Tax	634.04
			6.5%	

Authorization by Timmy Stack Title C+G Drlg.-Tool Pusher Total 12,465.46

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

810 E 7<sup>TH</sup>  
 PO Box 92  
 EUREKA, KS 67045  
 (620) 583-5561



**Cement or Acid Field Report**  
 Ticket No. **7044**  
 Foreman David Gardner  
 Camp Eureka

API # 15-015-24189

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
2-12-23	1423	Eck A # 7	32	23 S.	5 E.	Butler	KS
Customer EPOC, LLC			Unit #	Driver	Unit #	Driver	
Mailing Address 313 E. Aaron Dr.			104	Allen B.			
City Andover			112	Dan K.			
State KS			145	Russell M.			
Zip Code 67002							

Job Type Longstring Hole Depth 2606' K.B. Slurry Vol. 41 Bbl Longstring Tubing \_\_\_\_\_  
 Casing Depth 2600.24' G.L. Hole Size 7 1/2" Slurry Wt. 13.8<sup>#</sup> Drill Pipe \_\_\_\_\_  
 Casing Size & Wt. 5 1/2" 14<sup>#</sup> Cement Left in Casing 0' Water Gal/SK \_\_\_\_\_ Other \_\_\_\_\_  
 Displacement 63 3/4 Bbl Displacement PSI 1000 Bump Plug to 1500 PSI BPM \_\_\_\_\_

Remarks: Safety Meeting: 5 1/2" 14<sup>#</sup> Used casing set @ 2600.24' G.L. Tag T.D. w/ 5 1/2", Spot collar in cellar = Float shoe 9' off T.D. Circulate w/ Mud Pump for 45 mins. Rig up to 5 1/2" casing. Break circulation w/ 15 Bbl fresh water. Mixed 125 sks Thick Set Cement w/ 5<sup>#</sup> Kolseal/sk, 2<sup>#</sup> Phenoseal/sk @ 13.8<sup>#</sup>/gal, yield 1.85 = 41 Bbl slurry. Wash out pump & lines. Shut down. Release Latch Down Plug. Displace plug to seat w/ 63 3/4 Bbl freshwater (KCL in 1<sup>st</sup> 30 Bbl). Final pumping pressure of 1000 PSI. Bump plug to 1500 PSI. Wait 2 mins. Release pressure. Float & Plug hold. Good circulation @ all times while cementing. Job complete. Rig down.

Plug R.H. w/ 20 sks, M.H. w/ 15 sks  
Centralizers on # 2, 5, 15, 25, 35

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C102W	1	Pump Charge	1495.00	1495.00
C107	50	Mileage	5.00	250.00
C201	160 sks	Thick Set Cement	24.25	3880.00
C207	800 <sup>#</sup>	Kolseal 5 <sup>#</sup> /sk	.56	448.00
C208	320 <sup>#</sup>	Phenoseal 2 <sup>#</sup> /sk	1.55	496.00
C108B	8.80 Tons	Ton Mileage-50 Miles	1.50	660.00
C1661	1	5 1/2" AFU Float Shoe w/ Latch Down Insert	364.00	364.00
C421	1	5 1/2" Latch Down Plug	285.00	285.00
C504	5	5 1/2" x 7 7/8" Centralizers	59.00	295.00
C222	1 1/2 Gals	KCL (in 1 <sup>st</sup> 30 Bbl Displacement water)	32.00	48.00
C113	4 HRS.	80 Bbl Vac Truck	95.00/HR	380.00
C224	3300 Gals.	City Water	12.00/1000	39.60
<u>Thank You</u>			Sub Total	8,164.00
			Less 5%	451.06
			Sales Tax	380.61
			6.5%	

Authorization by Ray Gilbert Title \_\_\_\_\_ Total **8,570.15**

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.