



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: _____



1099694

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)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Atlas Operating LLC
Well Name	Garden City 15-20
Doc ID	1099694

All Electric Logs Run

Dual Induction
CN-CDL
Micro Log
CBL



SCALE " = 100'

Lithology	Drilling time in minutes	DEPTH	Sample Description	Remarks, drill stem tests, etc.
		3600	Daily Penetration 2-27-12 - MFRM 2-28-12 - Mr. Premix 2-29-12 - 650' 3-1-12 - 335' 3-2-12 - 315' 3-3-12 - 315' 3-4-12 - 445' 3-5-12 - 480' RTD	
		50		
		3700	Light gray to tan shale, dense, dark at base, etc. Sh. gray - blk Light gray to tan shale, dense, dark at base, etc., etc. Sh. vari color	
		50		
		3800	Light gray to tan shale, dense, dark at base, etc., etc. Sh. blk calc Sh. vari color Light gray to tan shale, dense, dark at base, etc., etc. Light gray to tan shale, dense, dark at base, etc., etc. Sh. gray - blk	
		50		
			Light gray to tan shale, dense, dark at base, etc., etc.	
			Light gray to tan shale, dense, dark at base, etc., etc.	

Horizon 3796
(-899)

Horizon 3800
(-797)

Leading 2000
(- 773)

Slugg-ssk

50

ls, con-ty, fa-ss, dense, dorsal
lith, mostly var. large, p. sh. etc.

ls, con-ty, fa-ss, dense, dorsal
p. sh. etc., etc.

Slugg-ssk

3900

ls, con-ty, fa-ss, dense, dorsal
lith, mostly var. large, p. sh. etc.

ls, sh

Sl, vari color

ls, con-ty, fa-ss, dense, dorsal
p. sh. etc.

50

ls, con-ty, fa-ss, dense, dorsal
lith, mostly var. large, p. sh. etc.

Sl, grey-ssk

4000

ls, con-ty, fa-ss, dense, dorsal
p. sh. etc., etc.

Mud ✓ @ 3944'
UL-90A
Kis-43
UL-72
CH-1700
LKM-30

ls, con-ty, fa-ss, dense, dorsal
lith, mostly var. large, p. sh. etc.

Sl, grey-ssk

ls, con-ty, fa-ss, dense, dorsal
lith, mostly var. large, p. sh. etc.

15 unit gas kick

Sl, blk carb

50

ls, sh

ls, con-ty, fa-ss, dense, dorsal
lith, mostly var. large, p. sh. etc.

15 unit gas kick

Sl, blk carb

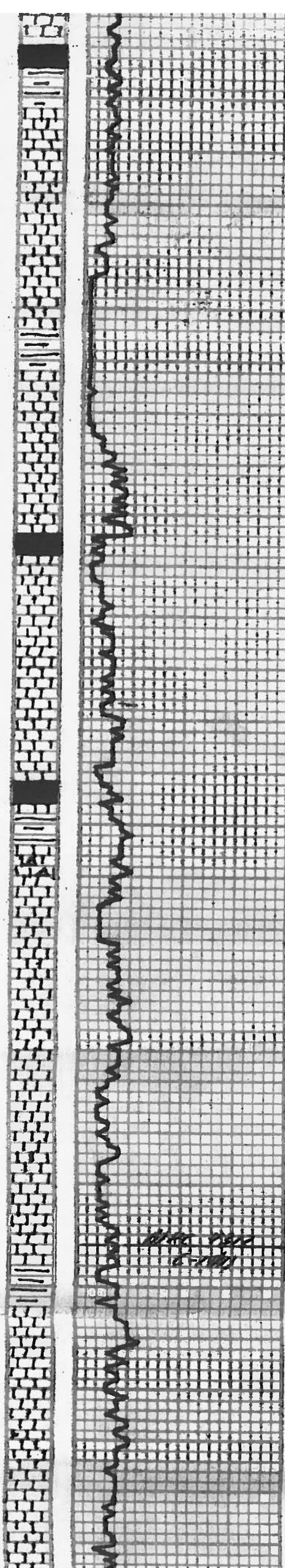
4100

ls, con-ty, fa-ss, dense, dorsal
lith, mostly var. large, p. sh. etc.

10 unit gas kick

ls, con-ty, fa-ss, dense, dorsal
lith, mostly var. large, p. sh. etc.

Sl, vari color



4100

Light, buff, calc

Shy, blk carb

15 unit gas kick

Light gray, buff, calc, dense, brittle, a vis of shell, etc. - F. etc. g. etc.

10 unit gas kick

Light gray, buff, calc, dense, brittle, a vis of shell, etc.

Shy, var color

Light gray, buff, calc, dense, brittle, a vis of shell, etc.

50

Light gray, buff, calc, dense, brittle, a vis of shell, etc.

Shy, blk carb

5 unit gas kick

Light gray, buff, calc, dense, brittle, a vis of shell, etc.

4200

Light gray, buff, calc, dense, brittle, a vis of shell, etc.

Light gray, buff, calc, dense, brittle, a vis of shell, etc.

Gas Detector Not Working

Shy, gray - blk carb

Light gray, buff, calc, dense, brittle, a vis of shell, etc.

50

Light gray, buff, calc, dense, brittle, a vis of shell, etc.

Light gray, buff, calc, dense, brittle, a vis of shell, etc.

Gas Detector Corrected

4300

Light gray, buff, calc, dense, brittle, a vis of shell, etc.

Light gray, buff, calc, dense, brittle, a vis of shell, etc.

Shy, var color

Carb

Light gray, buff, calc, dense, brittle, a vis of shell, etc.

50

Shy, gray - blk

Light gray, buff, calc, dense, brittle, a vis of shell, etc.

4300

4300
(-140)

ls, con - to, fr - v, a low density
p. vis. of oil is, matt. is, very shaly,
no oil, etc.

ls, con - dr, gr, fr, sh, brittle, p. vis.
of oil is, matt. is, shaly, some
no oil, etc.

sh, var. color

ls, sh

ls, con - gr, fr - v, a low density
back a vis. of imp. at base,
no oil, etc.

50

sh, gray, etc.

ls, con - sh, fr - v, a low density
p. vis. of oil is, matt. is, shaly,
no oil, etc.

ls, con - gr, fr - v, a low density
back a vis. of imp. at base,
no oil, etc.

4400

ls, con - to, fr - v, a low density
p. vis. of oil is, matt. is, shaly,
no oil, etc.

ls, con - to, fr - v, a low density
p. vis. of oil is, matt. is, shaly,
no oil, etc.

60 unit gas kick

ls, con - gr, fr - v, a low density
p. vis. of oil is, matt. is, shaly,
no oil, etc.

Mud v @ 4420'
WB - 9.3
VLS - 4.3
WL - 8.0
CAL - 1600
LCM - 4#

Fl. Surf 4420
(-150)

sh, blk carb

50

sh, blk carb

sh, gray, etc.

60 units gas

ls, con - to, fr - v, a low density
p. vis. of oil is, matt. is, shaly,
no oil, etc.

sh, var. color

4500

ls, con - gr, fr - v, a low density
p. vis. of oil is, matt. is, shaly,
no oil, etc.

sh, gray, etc.

ls, sh

sh, var. color

4500
(-170)

50

ls, con - to, fr - v, a low density
p. vis. of oil is, matt. is, shaly,
no oil, etc.

10 units gas

sh, var. color

ls, con - to, fr - v, a low density
p. vis. of oil is, matt. is, shaly,
no oil, etc.

10 units gas

Gas Detector Corrected

4600

ls, con - in v. sh, densal little
a bit of unit, stat. in. sh, red, etc

Sh, vac color

ls, con - ls, v. sh, densal hard,
a bit of unit, stat. in. sh, red, etc

Sh, blk carb

50

Sh, vac color w/ v. sh & 50 unit gas
stat. in. sh, red, etc, stat. in. sh, red, etc

60 unit gas kick

Sh, vac color w/ v. sh & 50 unit gas
stat. in. sh, red, etc, stat. in. sh, red, etc

Sh, grey-alk

Sh, vac color w/ v. sh & 50 unit gas
stat. in. sh, red, etc, stat. in. sh, red, etc

60+ unit gas kick

St. Louis 4600
(-1977)

ls, con - ls, v. sh, densal hard,
a bit of unit, stat. in. sh, red, etc

4700

St. Louis 4700
(-1977)

ls, con - ls, v. sh, densal hard,
a bit of unit, stat. in. sh, red, etc

60+ unit gas kick

ls, con - ls, v. sh, densal hard,
a bit of unit, stat. in. sh, red, etc

60+ unit gas kick

ls, con - ls, v. sh, densal hard,
a bit of unit, stat. in. sh, red, etc

30 unit gas kick

St. Louis 4700
(-1977)

ls, con - ls, v. sh, densal hard,
a bit of unit, stat. in. sh, red, etc

60+ unit gas kick

50

ls, con - ls, v. sh, densal hard,
a bit of unit, stat. in. sh, red, etc

60+ units gas

ls, con - ls, v. sh, densal hard,
a bit of unit, stat. in. sh, red, etc

30 units gas

ls, con - ls, v. sh, densal hard,
a bit of unit, stat. in. sh, red, etc

15 units gas

4800

ls, con - ls, v. sh, densal hard,
a bit of unit, stat. in. sh, red, etc

ls, con - ls, v. sh, densal hard,
a bit of unit, stat. in. sh, red, etc

ls, con - ls, v. sh, densal hard,
a bit of unit, stat. in. sh, red, etc

50

ls, con - ls, v. sh, densal hard,
a bit of unit, stat. in. sh, red, etc

ls, con - ls, v. sh, densal hard,
a bit of unit, stat. in. sh, red, etc

St. Louis 4800
(-1977)

Signed _____

Date _____

BARTLESVILLE, OK 918/338-0808

EL DORADO, KS 316/322-7022

EUREKA, KS 620/583-7664

PONCA CITY, OK 580/762-2303

OAKLEY, KS 785/672-2227

OTTAWA, KS 785/242-4044

THAYER, KS 620/839-5269

GILLETTE, WY 307/686-4914

Parts:	5253.45	Freight:	.00	Tax:	352.24	AR	7386.46
Labor:	.00	Misc:	.00	Total:	7386.46		
Sublt:	-781.58	Supplies:	.00	Change:	.00		

Amount Due 8207.18 if paid after 03/30/2012

8 5/8" 11
10015

Part Number	Description	Qty	Unit Price	Total
1104S	CLASS "A" CEMENT (SALE)	250.00	17.6500	4412.50
1102	CALCIUM CHLORIDE (50#)	705.00	.8900	627.45
1118B	PREMIUM GEL / BENTONITE	470.00	.2500	117.50
4432	8 5/8" WOODEN PLUG	1.00	96.0000	96.00
9999-130	CASH DISCOUNT			-525.34
9999-130	CASH DISCOUNT			-256.24
399	CEMENT PUMP (SURFACE)	1.00	1085.00	1085.00
399	EQUIPMENT MILEAGE (ONE WAY)	60.00	5.00	300.00
566	TON MILEAGE DELIVERY	705.00	1.67	1177.35
Description		Hours	Unit Price	Total

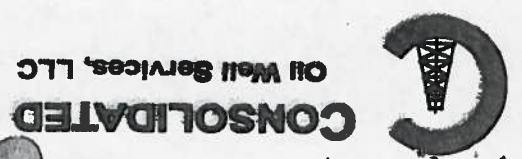
ATLAS OPERATING, LLC
15603 KUYKENDAH, SUITE 200
HOUSTON TX 77090-3655
(281) 893-9400

GARDEN CITY 15-20

33863
20-22-33
02-28-2012
KS

INVOICE # 248095 Invoice Date: 02/29/2012 Terms: 10/10/30, n/30 Page 1

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



MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
1-800/467-8676 • 620/431-9210
Fax 620/431-0012

Signed _____

Date _____

BARTLESVILLE, OK 918/338-0808

EL DORADO, KS 316/322-7022

EUREKA, KS 620/583-7684

PONCA CITY, OK 580/762-2303

OAKLEY, KS 785/672-2227

OTTAWA, KS 785/242-4044

THAYER, KS 620/839-5269

GILLETTE, WY 307/686-4914

=====
 Parts: 29063.58 Freight: .00 Tax: 1948.73 AR 35582.97
 Labor: .00 Misc: .00 Total: 35582.97
 Sublt: -3737.14 Supplies: .00 Change: .00
 =====

Amount Due 39536.63 if paid after 04/08/2012

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	775.00	15.1000	11702.50
1126	OIL WELL CEMENT	200.00	22.5500	4510.00
1104CS	CLASS "C" CEMENT (SALE)	150.00	18.7000	2805.00
1118B	PREMIUM GEL / BENTONITE	5336.00	.2500	1334.00
1110A	KOL SEAL (50# BAG)	4875.00	.5600	2730.00
1107	FLO-SEAL (25#)	194.00	2.8200	547.08
4161	FLOAT SHOE 4 1/2" AFU	1.00	342.0000	342.00
4283	DV TOOL W/ LATCH DOWN	1.00	3850.0000	3850.00
4129	CENTRALIZER 4 1/2"	10.00	46.0000	460.00
4103	CEMENT BASKET 4 1/2"	3.00	261.0000	783.00
Sublet Performed				
9999-130	CASH DISCOUNT			-2906.36
9999-130	CASH DISCOUNT			-830.78
Description				
456	SINGLE PUMP	1.00	3020.00	3020.00
528	EQUIPMENT MILEAGE (ONR WAY)	60.00	5.00	300.00
566	TON MILEAGE DELIVERYDATE	1.00	4987.80	4987.80
APPROVED _____				
WELL NAME _____				
HOURS _____				
ACCOUNT # 170005				
CASH DISCOUNT				
CASH DISCOUNT				
Description				
APPROVED _____				

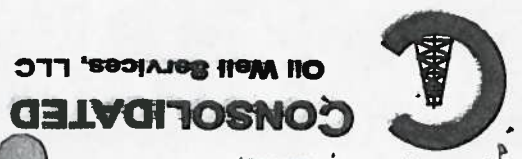
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ATLAS OPERATING, LLC
 15603 KUYKENDAH, SUITE 200
 HOUSTON TX 77090-3655
 (281) 893-9400

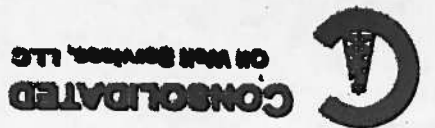
GARDEN CITY 15-20
 33929
 20-22-33W
 3-6-2012
 KS

INVOICE # 248263 Invoice Date: 03/09/2012 Terms: 10/10/30, n/30 Page 1

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



MAIN OFFICE
 P.O. Box 884
 Chanute, KS 66720
 620/431-9210 • 1-800/467-8676
 Fax 620/431-0012



PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8678

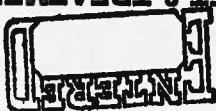
CEMENT

FIELD TICKET & TREATMENT REPORT

TICKET NUMBER **33929**

LOCATION **Okley KS**

FOREMAN **Tuzzy**
Miles **5**



DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3-6-12 1226		Grand City 15-20	20	22	23W	Tennery

CUSTOMER		MAILING ADDRESS		CITY	
Atlas Operations LLC					
TRUCK #	DRIVER	TRUCK #	DRIVER	CITY	
456	Miles S	466	Code R		
528	Miles F	566	Josh G		

JOB TYPE	HOLE SIZE	HOLE DEPTH	CASING SIZE & WEIGHT	OTHER DV TOOLS
2.5" x 9"	7 1/8"	4880'	4 1/2" x 10.5"	
CASING DEPTH	DRILL PIPE	TUBING	SLURRY WEIGHT 13.8-12.5 SLURRY VOL. 1.42-1.19	
11972'			WATER gals/k 17-10.8 CEMENT LEFT IN CASING 2133	
DISPLACEMENT PSI		MIX PSI	RATE	
77.13				

REMARKS: Safety meeting on U1 #2. Float camp. Cont 1.2, 3.5, 7.12, 17.13, 33.43 Baskets 16, 49, 74, DV Tool #52. Flap and give LR. Pump 59% water. Mix 200% gel/water 8% gel, 5% alcohol, 1% surfactant @ 12.5. Mix 200% OWC surfactant @ 13.8% wash pump + tires. Drop plus and replace 34 water + 43 1/2 mud, 800' lift - 1400' land. Drop DV Bore with 20mm open tool and circulate 2 hrs. Pump 58% water. Mix 30% BH, 20% MH, Mix 525% gel/water 8% gel, 5% alcohol, 1% surfactant. Tail with 150% class C mud @ 14.8% wash pump + tires. Drop plus and displace 43 BBLs water. 700' lift @ 1500' tool @ 1500' cement did circulate approx 30895 to pit.

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401C	1	PUMP CHARGE	3020.00	3020.00
5406	60	MILEAGE	5.00	300.00
5407A	49.78 tons	Tow mileage delivery	1.97	4987.00
1131	775 lbs	60/40 pos	1.50	1170.25
1126	2009 HS	OWC	22.55	4510.00
110CS	1504 HS	Class C	18.70	2805.10
1118 B	5336 #	Brackite	1.25	1334.00
1110 A	4875 #	Kolsol	1.56	2730.00
1107	194 #	Cl-seal	2.83	547.00
4161	1	4 1/2" ATU float shoe	342.00	342.00
4283	1	4 1/2" DV Tool w/ leaddown	3850.00	3850.00
4129	10	4 1/2" connections	46.00	460.00
4103	3	Baskets - 4 1/2"	261.00	783.00
		Subtotal		31371.00
		less 10% disc		3137.10
		Subtotal		3634.90
		SALES TAX		1947.93
		ESTIMATED TOTAL		35582.93

AUTHORIZATION **[Signature]** TITLE **Foreman** DATE **3-7-12**
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.