



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1169879
OIL & GAS CONSERVATION DIVISION

Form ACO-1
August 2013

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 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
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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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

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
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1169879

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

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				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 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)*

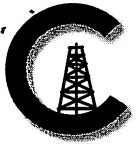
Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

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

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 <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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CONSOLIDATED
Oil Well Services, LLC

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

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

INVOICE

Invoice # 260352

=====
Invoice Date: 07/11/2013 Terms: 0/0/30,n/30 Page 1

CARROLL ENERGY LLC
P.O. BOX 766
INDEPENDENCE KS 67301
(800)917-1618

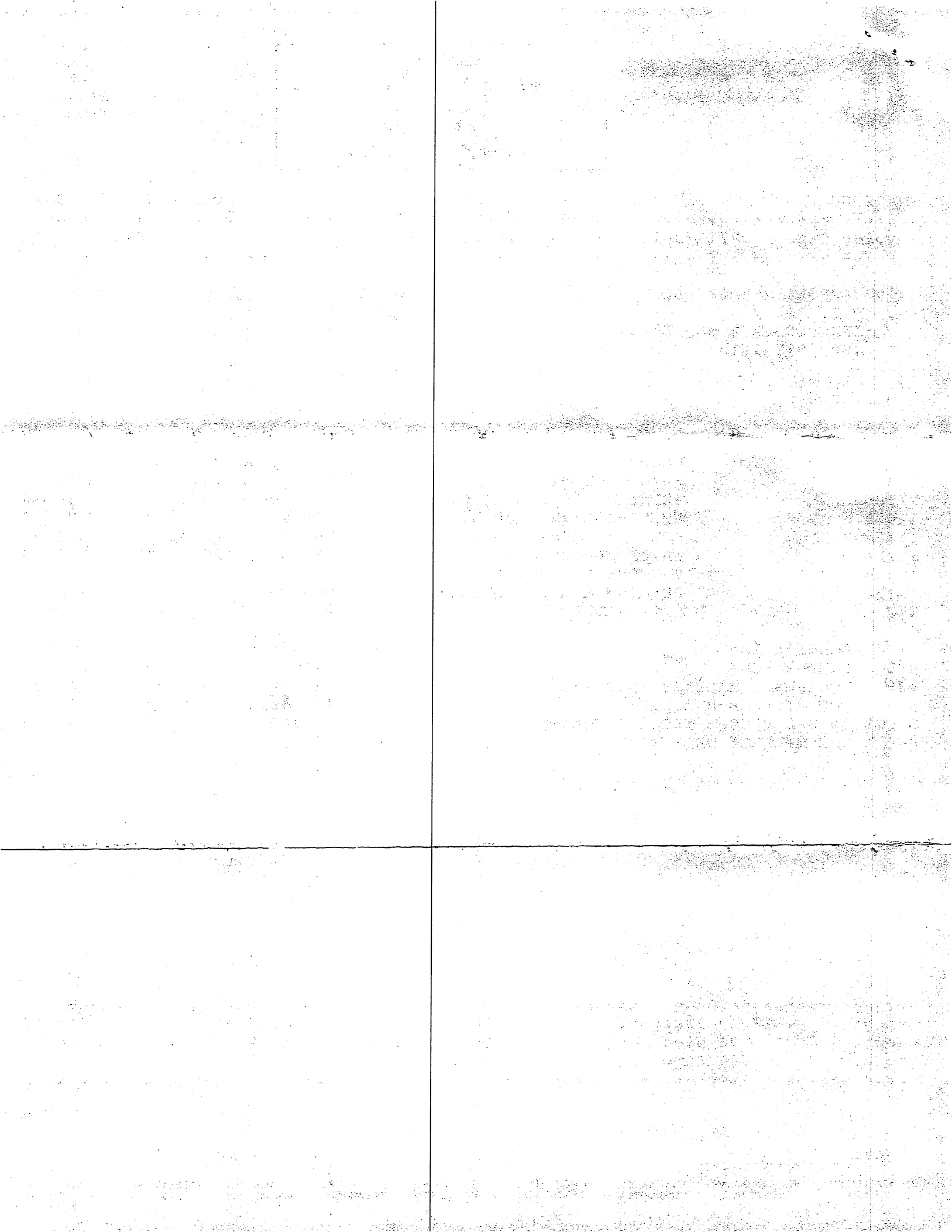
CARRA P1
43259
4-34S-13E
07-03-13
KS

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	90.00	13.1800	1186.20
1118B	PREMIUM GEL / BENTONITE	620.00	.2200	136.40
1107A	PHENOSEAL (M) 40# BAG)	90.00	1.3500	121.50
1110A	KOL SEAL (50# BAG)	550.00	.4600	253.00
1126A	THICK SET CEMENT	110.00	20.1600	2217.60
1107A	PHENOSEAL (M) 40# BAG)	110.00	1.3500	148.50
1118B	PREMIUM GEL / BENTONITE	600.00	.2200	132.00
1123	CITY WATER	3000.00	.0173	51.90

Description	Hours	Unit Price	Total
485 CEMENT PUMP	1.00	1085.00	1085.00
485 EQUIPMENT MILEAGE (ONE WAY)	40.00	4.20	168.00
515 TON MILEAGE DELIVERY	198.40	1.41	279.74
McCOY 80 BBL VACUUM TRUCK (CEMENT)	4.00	90.00	360.00
667 TON MILEAGE DELIVERY	198.40	1.41	279.74

=====
Parts: 4247.10 Freight: .00 Tax: 346.14 AR 6765.72
Labor: .00 Misc: .00 Total: 6765.72
Sublt: .00 Supplies: .00 Change: .00
=====

Signed _____ Date _____





ENTERED

TICKET NUMBER 43259 ✓

LOCATION Eureka

FOREMAN Steve Neal

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

FIELD TICKET & TREATMENT REPORT

CEMENT JOB 15-019-27323

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
7-3-13	0042	Carra # 21	4	345	13E	CR
CUSTOMER <u>Carroll Energy LLC</u>			TRUCK #	DRIVER	TRUCK #	DRIVER
MAILING ADDRESS <u>P.O. Box 766</u>			<u>485</u>	<u>Alan M</u>		
CITY <u>Independence</u>			<u>667</u>	<u>Chris B</u>		
STATE <u>Ks</u>			<u>515</u>	<u>Mark</u>		
ZIP CODE <u>67301</u>			<u>03</u>	<u>Allen & McKey Trucking</u>		
JOB TYPE <u>Longstring CMC</u>	HOLE SIZE <u>6 3/4</u>	HOLE DEPTH <u>1743</u>	CASING SIZE & WEIGHT <u>4 1/2 10.5</u>			
CASING DEPTH <u>1735</u>	DRILL PIPE	TUBING	OTHER			
SLURRY WEIGHT	SLURRY VOL	WATER gal/sk	CEMENT LEFT In CASING			
DISPLACEMENT <u>27 1/2 bbls</u>	DISPLACEMENT PSI	MIX PSI	RATE			

REMARKS: Safety meeting: Rig up to 4 1/2 casing. Pump 45 bbls Freshwater to get circulation. Pump 600# Gel Flush + 7 bbls water spacer mix 90 sks 60/40 Poz mix Cement w/ 8% Gel + 1# phenoseal per sk. Tail in w/ 110 sks Thick set Cement w/ 5# Kol Seal + 1# phenoseal. Wash out pump + lines. Shut down. Release latchdown plug. Displace w/ 27 1/2 bbls Fresh water. Final pumping Pressure 700#. Pump plug 1800#. Wait 1 min Release Pressure Plug held. Good Cement Returns to surface. 16 bbl to pit. Job complete Rig down.

(Can. furnish latchdown plug)

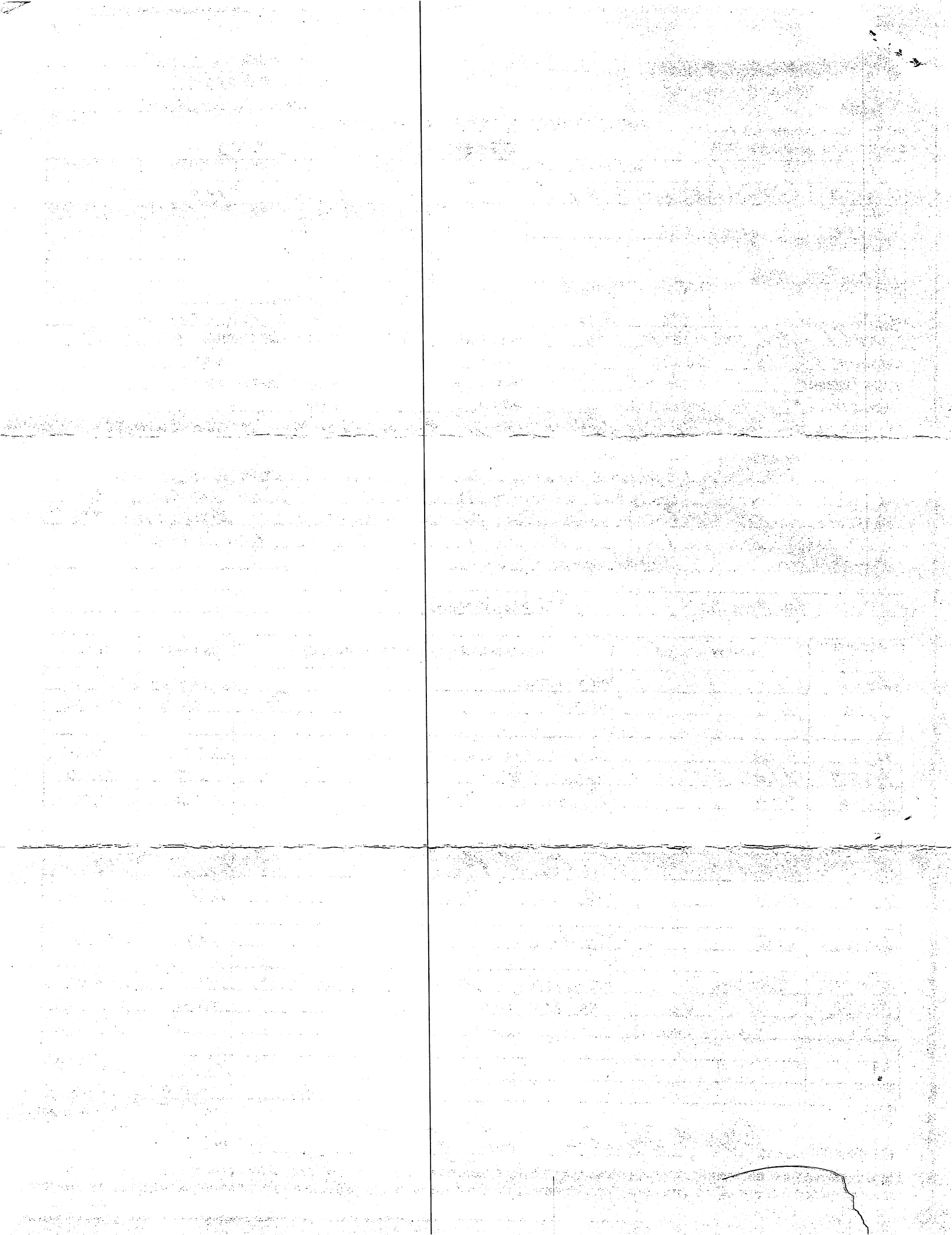
Thank you

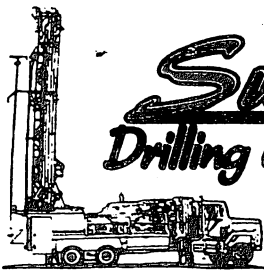
ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5407	1	PUMP CHARGE	1085.00	1085.00
5406	40	MILEAGE	4.20	168.00
1131	90 sks	60/40 Pozmix Cement	13.18	1186.20
1118B	620#	Gel 8%	.22	136.40
1167A	90#	Phenoseal 1# per/sk	1.35	122.50
1126A	110 sks	Thick set Cement	20.16	2217.60
1115A	550#	Kol Seal 5# per/sk	.46	253.00
1107A	110#	Phenoseal 1# per/sk	1.35	148.50
1118B	600#	Gel Flush	.22	132.00
5407A	9.92782	Tenmileage Bulk Trucks 667-515	1.41	559.48
5502C	4 Hr	BO Bbl UAC Trawl	90.00	360.00
1123	3,000 gallons	City water	17.30	51.90
			Subtotal	6419.58
			SALES TAX	346.14
			ESTIMATED TOTAL	6765.72

Revin 3737

AUTHORIZATION Doug Ferrin TITLE 260350 DATE _____

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.





Smith Drilling Company

7569

396871 West 1063 Way • Dewey, OK 74029
Home: 918-534-1020 • Mobile: 918-534-7707

BILLING INFORMATION

Date JULY 2, 20 13

CUSTOMER: PIPELINE OIL & GAS LLC

LEASE: CARRA CHAUTAUQUA COUNTY

KS

WELL #: # P1

Sec 4 Twp 34S Range 13E

Quantity	Description	Amount
1742'	Drilled at \$ 9.00 per foot	\$ 15,678.00
86'	Surface Pipe @\$ per foot	
	Sacks Cement @\$ CONSOLIDATED Per sack	
	Bags @ each	
	Pit and Dozer Work	
	@	
5	Hours Rig Time @ 350.00 per hour	\$ 1,750.00
	Surface Cementing per foot	
10½	Hours Booster @ \$125.00 per hr	\$ 1,312.50
10½	Hours Aux @ \$125.00 per hr.	\$ 1,312.50
	Bit Cost Size	
2½ hrs	Rig Time @ \$350.00 per hr. for	
	5 gas tests	\$ 875.00
<i>✿ Thank You ✿</i>		
	DUE UPON RECEIPT PLEASE	\$ 20,928.00

PLEASE SEND YELLOW COPY WITH PAYMENT

9805



Smith Drilling Company

Dewey,
OK

396871 West 1063 Way -- Dewey, OK 74029
Home: 918-534-1020 -- Mobile: 918-534-7707

7569

PIPELINE OIL & GAS LLC
Chautauqua county,KS

CARRA LEASE
Well # P1

JULY 2, 2013
Sec 4 Twp 34S Range 13E

0	-	86	Surface	950	-	995	Big Lime (Altamont)
86	-	211	Shale	995	-	1018	Sand
211	-	216	Lime	1018	-	1103	Sandy Shale
216	-	219	Sand	1103	-	1126	Pawnee Lime
219	-	220	Lime	1126	-	1202	Shale
220	-	224	Sand	1202	-	1232	Oswego Lime
224	-	309	Shale	1232	-	1242	Summit Shale
309	-	311	Lime	1242	-	1263	Lime
311	-	325	Shale	1263	-	1269	Mulky Shale
325	-	363	Sand	1269	-	1280	Lime
363	-	430	Shale	1280	-	1285	Shale
430	-	433	Lime	1285	-	1286	Coal
433	-	436	Shale	1286	-	1311	Shale
436	-	437	Coal	1311	-	1312	Coal
437	-	442	Sandy Shale	1312	-	1341	Sandy Shale
442	-	531	Layton Sand	1341	-	1622	Shale
531	-	532	Coal	1622	-	1630	Lime
532	-	542	Sandy Shale	1630	-	1641	Chert
542	-	557	Shale	1641	-	1742	Miss Lime
557	-	656	Layton Sand	1742			TD
656	-	692	Shale				
692	-	704	Kansas Lime				
704	-	706	Sandy Shale				
706	-	752	RedFork Sand				
752	-	762	Sandy Shale				
762	-	887	Shale				
887	-	906	Lenapah Lime				
906	-	908	Sand				
908	-	950	Sandy Shale				

Terms Due Upon Receipt



Smith
Drilling Company

Dewey,
OK

396871 West 1063 Way – Dewey, OK 74029
Home: 918-534-1020 – Mobile: 918-534-7707

08181

PIPELINE OIL & GAS LLC
Chautauqua County

CARRA LEASE
Well # P1

JULY 2, 2013
Sec 4 Twp 34S Range 13E

DRILLERS COMMENTS:

Spud date 6/28/13
Surface hole 88' 12½" hole
Surface pipe 86' 4 joints of 8 5/8" pipe
Cemented by Consolidated
Went wet @ 493'
Drilled 6 3/4" hole
GAs Test @ 538' 1/8" orf 5 min. 13# 11.00 MCF
Upper Layton sand 492 - 531
Lower Layton Sand 557 - 656
Kansas Lime 692 - 704
Redd Fox Sand 706 - 752
Odor of oil and show @ 706' and through
Lenapah Lime 882 - 902
Wayside Sand 902 - 908
Gas Test for 5 min. @ 915' 3/8" orf 3 # 33.5 MCF
Big Lime 950' Altamont
PaWnee oil odor in lime 1103- 1126
Gas Test @ 1165' 3/8" orf 5 min. 3# 33.5 MCF
Oswego Lime 1202
Summit Shale 1232 - 1242
Mulky Shale 1263 - 1269
Gas Test @ 1341' 3/4" orf for 5 min. 2.8# 23.8 MCF
Gas Test @ 1592' 3/4" orf for 5 min. 2.5# 22 MCF
Chert 1630 - 1647
Miss Lime 1641 - 1742
TD 1742'
Bottom Hole Gas Test 3/4" orf 5 min. 2.5# 22 MCF

Terms Due Upon Receipt



Invoice #: 19120
Invoice Date: 7/10/2013

CHANUTE, KS 66720

(620) 431-9308

Bill To:
 Pipeline Oil & Gas, LLC
 c/o Carroll Energy, LLC
 P.O. Box 766
 Independence, KS 67301

Date	Description	Hours/Qty	Amount
7/8/2013	CARRA #P1 SEC. 4, T34S, R13E CHAUTAUQUA COUNTY, KANSAS GEOLOGICAL REPORT		250.00

THANK YOU. WE APPRECIATE YOUR BUSINESS!!

Total \$250.00

Balance Due \$250.00

Geological Report

Carra #P1
API#: 15-019-27323-00-00
360' FNL, 1192' FEL
S. 4, T34S, R13E
Chautauqua County, Kansas
7/8/2013

Operator: Pipeline Oil and Gas, LLC, 2375 E. Camelback Rd #600, Phoenix, AZ 85016

Drilling Contractor: Bart Lorenz, driller

Well-site Geologist: none

Dates Drilled: Spud: unknown
T.D.: unknown

Size Hole: 6 3/4" **Drilling Fluid:** Mud

Elevation: 930' **Total Depth:** 1743'

Surface Casing: 21' of 8 5/8" surface casing cemented to surface

Electric Logs Run: Density/neutron and dual induction logs

Formation Tops: Formation tops were picked from the density logs

Rock Color Desc.: GSA rock color chart (dry cuttings)

Status: OIL WELL

Oil Shows:	Redd Sandstone	704-751'	Poor oil show
	Weiser Sandstone	988-1010'	Trace oil show
	Mississippi	1630-1644'	Poor oil show

Canister Tests: Unknown

Notes: Well-site geologist was not present through the drilling of the well. All zones of interest were collected and bagged by the drillers. Cuttings were delivered to the geologist and examined in the laboratory with a binocular microscope and black-light.

LABORATORY SAMPLE EXAMINATION

0-704' Samples not examined

Top of the Redd Sandstone @ 704' (+226')

704-714' Redd Sandstone, light gray, very fine grained, silty, minor gray shale laminations, fair cementation (breaks but not easily), 12-14% porosity, light petroliferous odor, 80-100% mottled dull greenish-yellow hydrocarbon fluorescence

714-720' Redd Sandstone, light gray, very fine grained, medium gray shale laminations, moderately friable, 10-14% porosity, <5% of cuttings have a pale yellowish-brown oil stain, slight petroliferous odor, 50% of cuttings display heavily mottled to uniform greenish-yellow to medium yellow hydrocarbon fluorescence

720-728' Redd Sandstone, light gray, very fine grained, silty, very well cemented, 14+% porosity, few gray shale laminations, trace petroliferous odor, 40% speckled dull green hydrocarbon fluorescence

728-751' Redd Sandstone, light gray, very fine grained, silty, very well cemented, hard, 14-18% porosity, micaceous, moderate gray shale laminations, fair petroliferous odor, mottled dull greenish-yellow hydrocarbon fluorescence

751-988' Samples not examined

Top of the Weiser Sandstone @ 988' (-58')

988-1010' Sandstone, very fine grained, very well cemented, hard, 8-14% porosity, micaceous, moderate gray shale laminations, faint petroliferous odor, minor mottled dull yellowish-brown hydrocarbon fluorescence; 75% lime and shale

1010-1625' Samples not examined

Top of the Mississippi @ 1625' (-695')

1625-1630' Samples not examined

1630-1635' Chert, white/light gray/blue, 50/50 chalky/flinty, tight, hard, low vugular and inter-crystalline porosity, ~5% have a uniform dark yellowish-brown oil stain, slight petroliferous odor, 5+% uniform, bright yellow hydrocarbon fluorescence. Samples exhibited very slow, faint, even, pale blue oil cut in black light, no residual show in white light; after crushing and repeating the solvent test there is no change in the sample. Trace gray and black shale cuttings

1635-1638' Chert, same as above, with a higher percentage of oil stained cuttings at ~10%

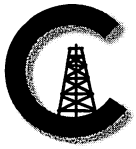
1638-1644' Chert, white/light gray/blue, mostly chalky, minor flinty, tight, hard, poor porosity, <5% have a uniform dark yellowish-brown oil stain, slight petroliferous odor, 5% uniform, bright yellow hydrocarbon fluorescence. Samples exhibited very slow, faint, un-even, pale blue oil cut in black light, no residual show in white light; after crushing and repeating the solvent test there is no change in the sample. Trace limestone cuttings

1644-1700' Samples not examined

- 1700-1710' Limestone, dolomitic, dark gray, very fine grained, smooth, hard, tight, no petroliferous odor, no hydrocarbon show, no fluorescence
- 1710-1720' Dolomite, medium gray, very fine crystalline, rough, sandy texture, speckled with microscopic glauconite crystals, fossiliferous, no petroliferous odor, no hydrocarbon show, no fluorescence
- 1720-1743' Samples not examined

T.D. @ 1743'

Julie Shaffer
Geologist



CONSOLIDATED
Oil Well Services, LLC

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

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

INVOICE

Invoice # 262223

Invoice Date: 09/13/2013 Terms: 0/0/30,n/30

Page 1

CARROLL ENERGY LLC
P.O. BOX 766
INDEPENDENCE KS 67301
(800)917-1618

CARRA P-1
48637
09-09-2013
KS

Part Number	Description	Qty	Unit Price	Total
1275	15% HCL	350.00	1.7500	612.50
1202	ACID INHIBITOR	1.50	50.0000	75.00
1219B	STIMOIL FBA (SR-445)	3.00	65.0000	195.00
1268	CITY WATER	16500.00	.0173	285.45
1231	FRAC GEL	275.00	9.0000	2475.00
1215A	KCL (1/1000)	15.00	38.3300	574.95
1205A	BIOCIDE (AMA-35-D-P) (DR	9.00	30.0000	270.00
1208	BREAKER LEB4-ESA 14-GB10	.50	200.0000	100.00
4326	7/8" RUBBER BALL SEALERS	145.00	3.0000	435.00
2104A	16/30 BROWN SAND	1500.00	.2500	375.00
2102	12/20 BROWN SAND	6500.00	.2700	1755.00

Description	Hours	Unit Price	Total
T-90 WATER TRANSPORT (FRAC)	4.00	120.00	480.00
476 MINIMUM COMBO CHARGE 1300 HP UNIT	1.00	2730.00	2730.00
476 ACID JOB WITH FRAC TRUCK	1.00	.00	.00
476 FRAC VALVES (2" OR 3")	1.00	100.00	100.00
476 BALL INJECTOR	1.00	.00	.00
476 MILEAGE CHARGE (ONE WAY)	50.00	4.00	200.00
T-95 WATER TRANSPORT (FRAC)	4.00	120.00	480.00
482 PROPANT DELIVERY	1.00	315.00	315.00
490 MILEAGE CHARGE (ONE WAY)	50.00	4.00	200.00
T-102 WATER TRANSPORT (FRAC)	4.00	120.00	480.00
521 MINIMUM ACID SPOTTING CHARGE	1.00	200.00	200.00
521 MILEAGE CHARGE (ONE WAY)	50.00	4.00	200.00

Parts: 7152.90 Freight: .00 Tax: 44.31 AR 12582.21
 Labor: .00 Misc: .00 Total: 12582.21
 Sublt: .00 Supplies: .00 Change: .00

Signed _____

Date _____

BARTLESVILLE, OK
918/338-0808

EL DORADO, KS
316/322-7022

EUREKA, KS
620/583-7664

PONCA CITY, OK
580/762-2303

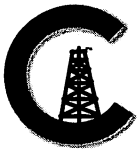
OAKLEY, KS
785/672-8822

OTTAWA, KS
785/242-4044

THAYER, KS
620/839-5269

GILLETTE, WY
307/686-4914

CUSHING, OK
918/225-2650



CONSOLIDATED
Oil Well Services, LLC

262223

TICKET NUMBER 48637

PO BOX 884 STREET, CHANUTE, KS 66720
620-431-9210, OR 800-467-8676

LOCATION Thayer

FIELD TICKET

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
9-9-13	2012	Carra P-1					MG	Red Sand
CHARGE TO				OWNER				
MAILING ADDRESS				OPERATOR				
CITY & STATE				CONTRACTOR				

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	UNIT PRICE	TOTAL AMOUNT
5102B	1	PUMP CHARGE 1300 Combo		2730 -
5102D	1	Frac pump ABO - knock off	NO CHARGE	
5302	1	Acid spotter - bulk ABO	SPEC	200 -
1275	350 gal	15% HCL acid		612.50
1202	1 1/2 gal	Inhibitor		75 -
1219B	3 gal	Stim Oil		195 -
1268	16,500 gal	Thayer city		285.45
1231	275 gal	frac gel		2475 -
1215A	15 gal	KCL SURB		574.95
1205A	9 gal	Biocide		270 -
1208	1/2 gal	Breaker		100 -
5604	1	frac valve		180 -
5115	1	Ball injector	NO CHARGE	
4326	145	1.356 3/8" Ballsealers		435 -
BLENDING & HANDLING				
5109	50	TON-MILES		315 -
STAND BY TIME				
5108	50	MILEAGE Mobilization X 3 PST		600 -
5501F	12 hrs	WATER TRANSPORTS - 3		1440 -
VACUUM TRUCKS				
2104A	1,500 lb	FRAC SAND 16-30		375 -
2102	6,500 lb	12-20		1755.00
			6.15	SALES TAX
				44.31
ESTIMATED TOTAL				12,582.21

Thank you! We appreciate your business!
5% discount available if paid within 10 days of invoice date.

CUSTOMER or AGENTS SIGNATURE Doug Ferris COWS FOREMAN Brett Busby

CUSTOMER or AGENT (PLEASE PRINT) _____ DATE 9-9-13

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 services on the back of this form are in effect for services identified on this form.



CONSOLIDATED
Oil Well Services, LLC

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

TICKET NUMBER 55872
FIELD TICKET REF # 48637
LOCATION Thayer
FOREMAN Brett Bueby

**TREATMENT REPORT
FRAC & ACID**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
9-9-13	2044	Carra #P-1				MG
CUSTOMER Carroll Energy LLC						
MAILING ADDRESS						
CITY		STATE	ZIP CODE			
* Safety meeting attendees						
TRUCK #	DRIVER	TRUCK #	DRIVER			
476	Josh	489T90	Matt			
490	Donnie					
482	Mark					
521	Eric					
618T95	Joe					
679T102	Junior					

WELL DATA	
CASING SIZE <u>4 1/2</u>	TOTAL DEPTH
CASING WEIGHT	PLUG DEPTH
TUBING SIZE <u>2 7/8 DEUE</u>	PACKER DEPTH <u>680'</u>
TUBING WEIGHT	OPEN HOLE
PERFS & FORMATION	
<u>707-17 (21)</u>	Red Sand
<u>728-38 (21)</u>	
<u>740-50 (21)</u>	

TYPE OF TREATMENT	
Tubing spot / ABO / Frac	
CHEMICALS	
KELSUB-Biocide - Breaker	
Acid-Inhibitor - StimOil	

STAGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND / STAGE	PSI	
PAD	40	12-14.5			500	BREAKDOWN 1475
16-30 sand		14.5	1.5-1.0			START PRESSURE
18-30 sand		14.5	1.5-2.0	1500#	500	END PRESSURE
12-20 sand			2.0	1,500#	550/600	BALL OFF PRESS
12-20 (20) + (10) balls		14.5	0.5			ROCK SALT PRESS ABO
12-20		13.5	1.0			ISIP ₄₄ 275 100
12-20		13.5	1.0-2.0	2500#		5 MIN ₄₉ 195 VACUUM
12-20 (10) + (10) + (5)		15.0	1.5		850/1000	10 MIN 150 1054
12-20 + (5)		15.0	1.0		1450	15 MIN 125 1059
12-20			2.0	2500#	1300	MIN RATE
FLUSH CASING	5	14.5			800	MAX RATE
Release balls to T.D.			TOTAL	8,000 #		DISPLACEMENT 3.7
OVERFLUSH	15	14.5	SAND		550/700	2.6 + 1.1
TOTAL BBL'S	275					

REMARKS: * hold safety-procedure meeting before frac
Spot 50 gal -15% HCL acid thru tubing @ 975' (2.9 bbls
breakdown & acidize @ 4 bpm w/ 300 gal -15% HCL acid
+ (85) ballseeders - pump till max ball-off psi achieved
release balls & overflush casing - unset & lower packer thru perfs
to knock balls - 50 bbls total ABO
location 9:00 AM - 11:15 AM 50 miles

AUTHORIZATION Doug Jensen TITLE _____ DATE 9-9-13

SERVICE COMPANY: C.O.W.S.
 TICKET NO: 56872
 CUSTOMER NAME: CARROLL ENERGY LLC
 WELL NAME: CARRA #P-1
 WELL LOCATION: MG. CO.
 DATE RECORDED: 09/09/2013
 JOB NO:
 UNIT DESCRIPTION: RED SAND
 UNIT NOTES: TUB SPOT/ABO/FRAC
 FILE NAME: CARROLLENERGYLLC_13_09_09_#2.csv



Pen# 1: Pump Pressure (Pressure : psi)

Pen# 2: Pump Rate (Flowrate : bpm)

Pen# 1 Pen# 2
2200.00 19.00

1980.00 17.10

1760.00 15.20

1540.00 13.30

1320.00 11.40

1100.00 9.50

880.00 7.60

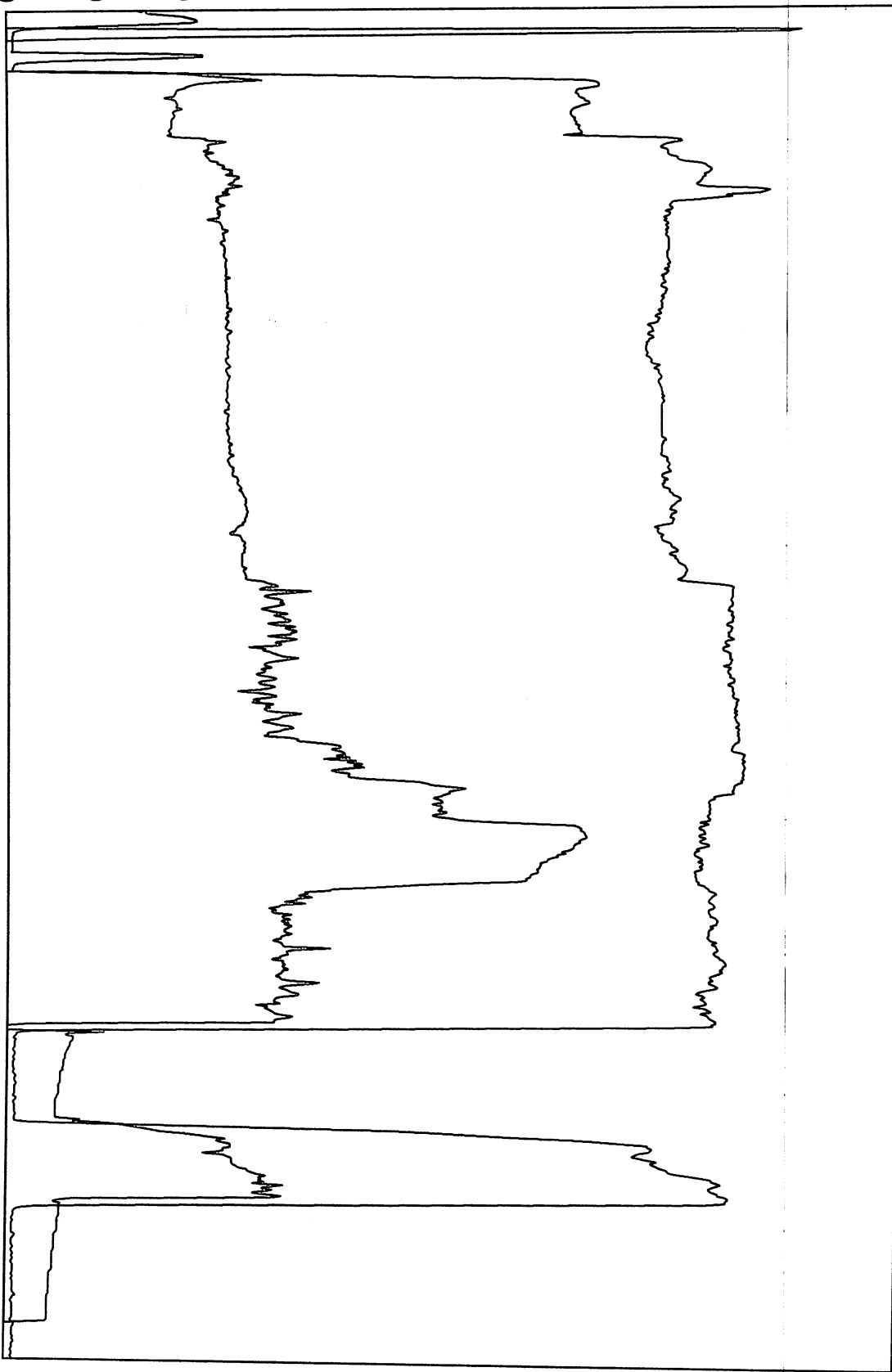
660.00 5.70

440.00 3.80

220.00 1.90

0.00 0.00

10:21:06 10:23:36 10:26:06 10:28:36 10:31:06 10:33:36 10:36:06 10:38:36 10:41:06 10:43:36 10:46:07



SERVICE COMPANY: C.O.W.S.
TICKET NO: 55872
CUSTOMER NAME: CARROLL ENERGY LLC
WELL NAME: CARRA #P-1
WELL LOCATION: MG. CO.

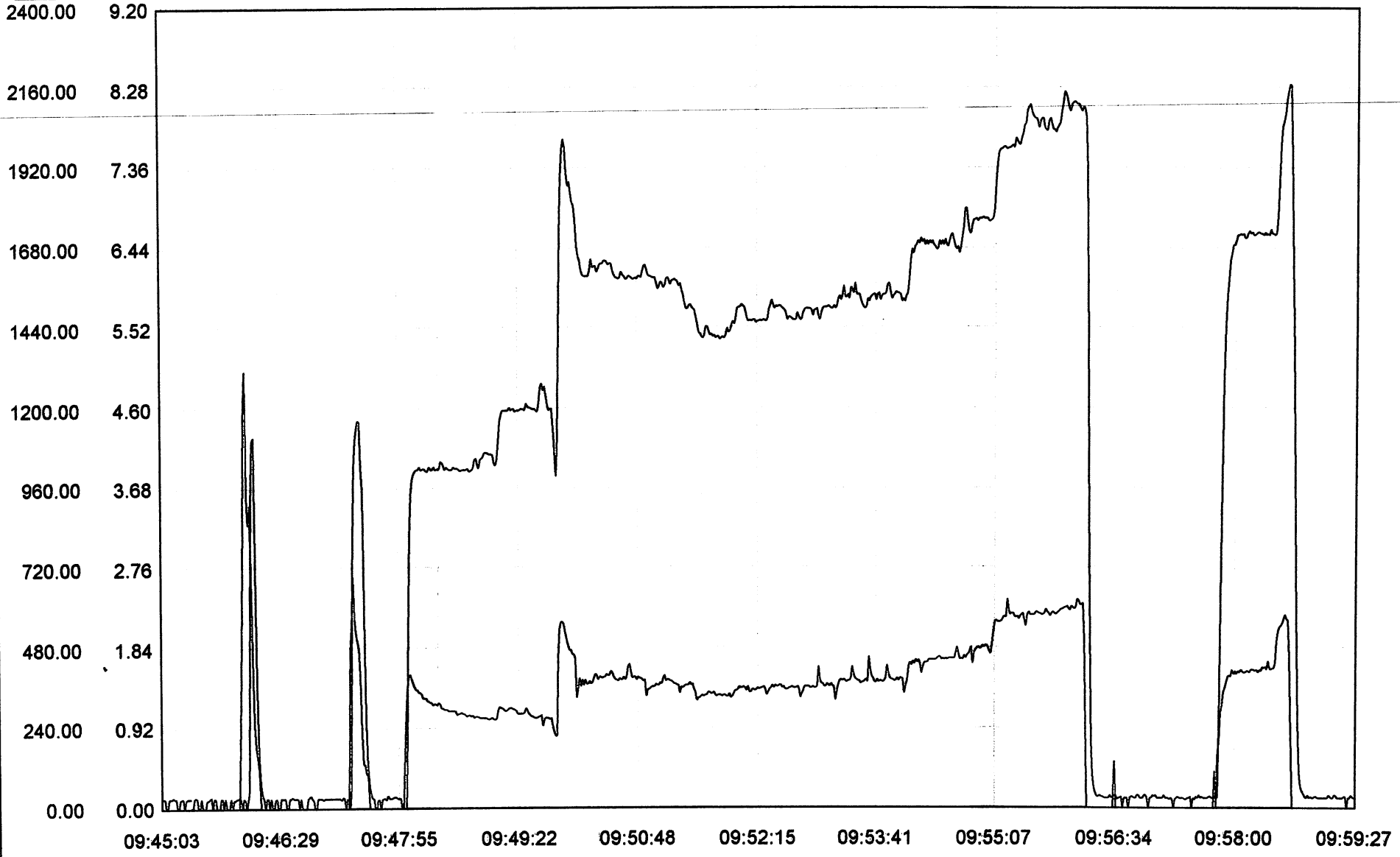
DATE RECORDED: 09/09/2013
JOB NO:
UNIT DESCRIPTION: RED SAND
UNIT NOTES: TUB SPOT/ ABO/ FRAC
FILE NAME: CARROLLENERGYLLC_13_09_09_#1.csv



Pen# 1: Pump Pressure (Pressure : psi)

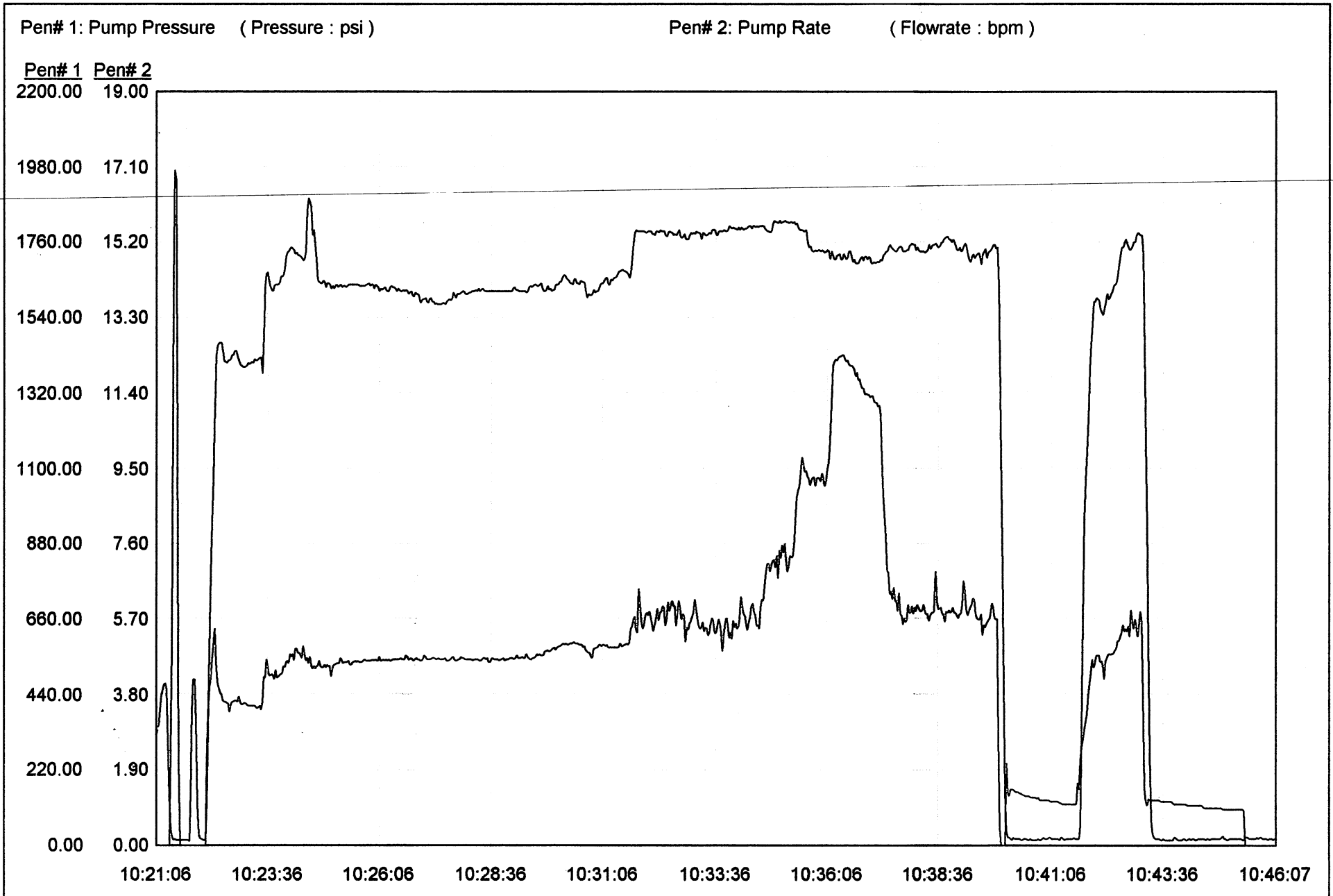
Pen# 2: Pump Rate (Flowrate : bpm)

Pen# 1 Pen# 2



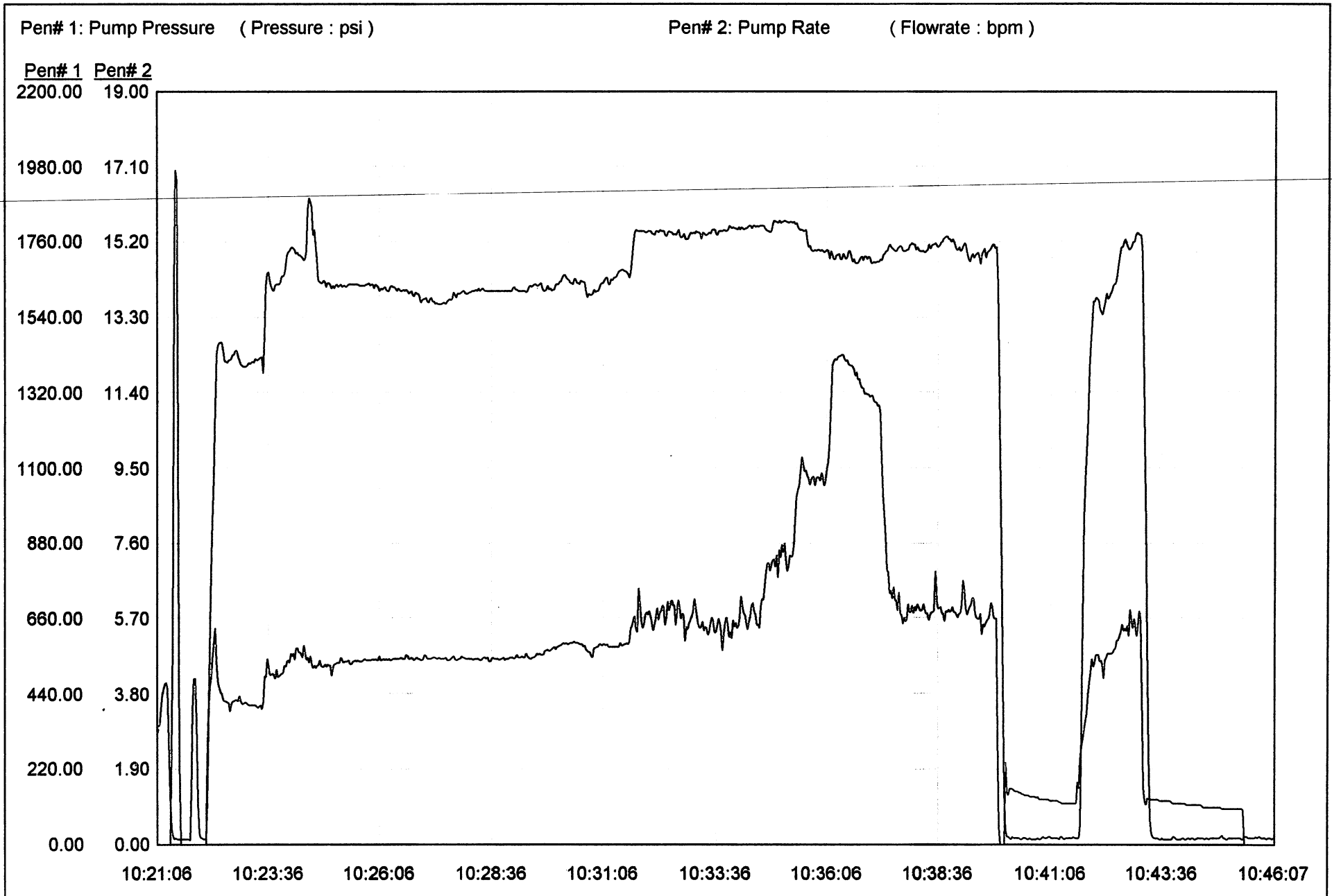
SERVICE COMPANY: C.O.W.S.
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WELL NAME: CARRA #P-1
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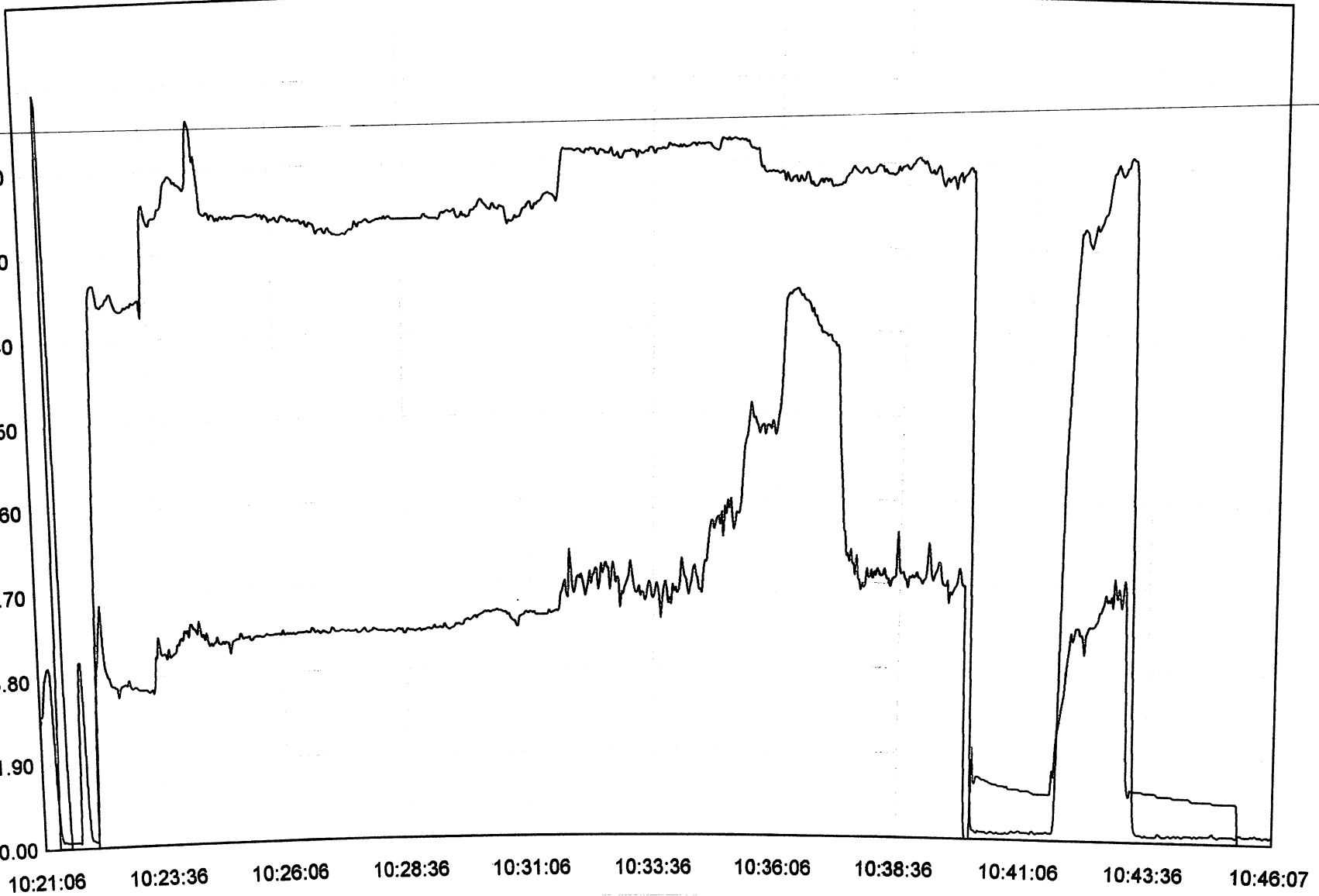
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660.00 5.70

440.00 3.80

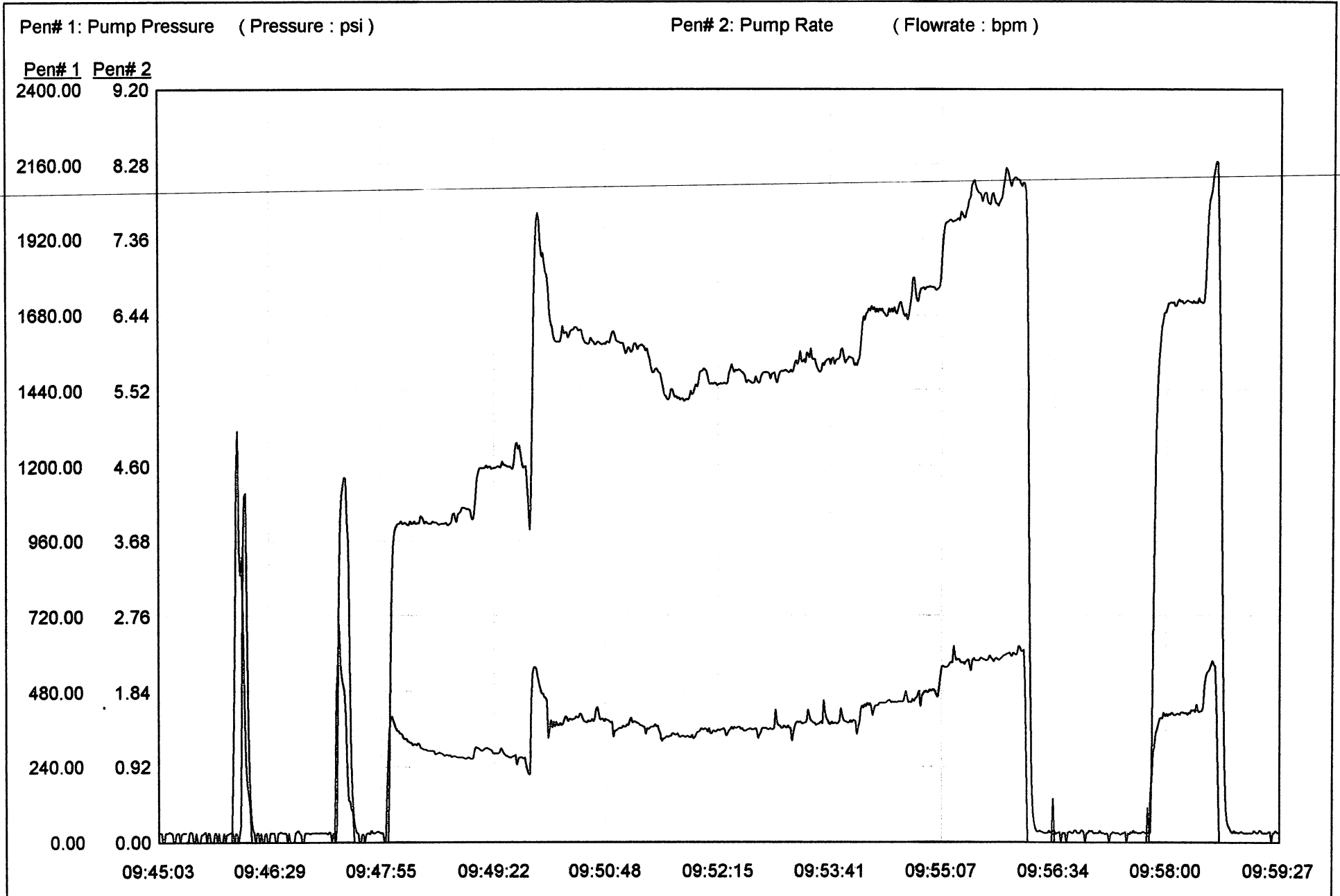
220.00 1.90

0.00 0.00



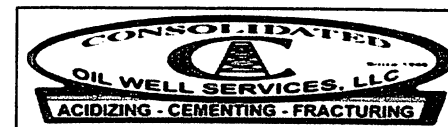
SERVICE COMPANY: C.O.W.S.
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WELL LOCATION: MG. CO.

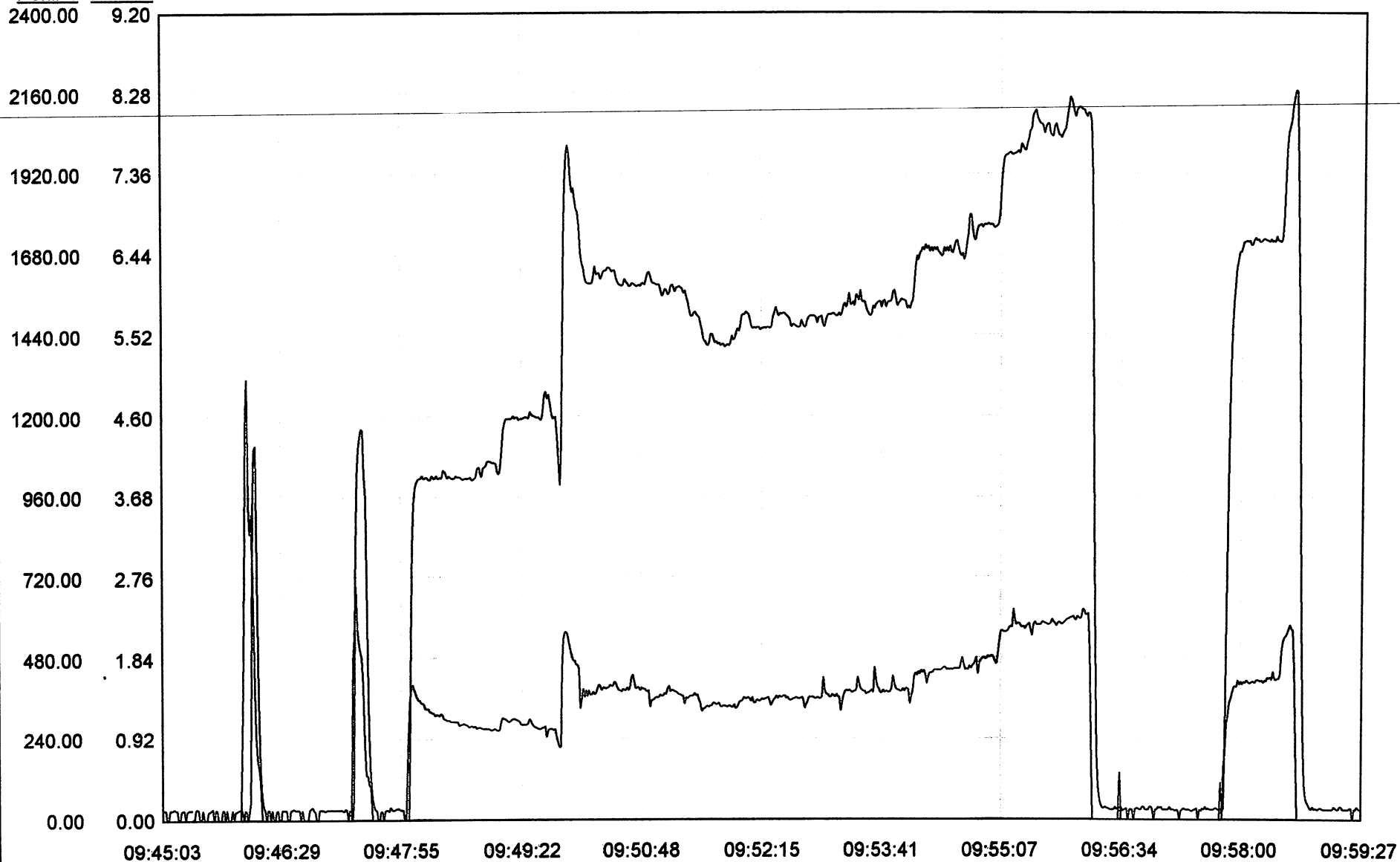
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Pen# 1 Pen# 2





CONSOLIDATED
Oil Well Services, LLC

FRAC/ACID WORK ORDER

Day Monday
Date 9/9/13
Month Day Time

Name of Customer CARROLL Energy
Customer Number: 2042
Contact Person/Number TERRY CARROLL 602-330-7861

Well Data

Lease Name/Number CARRA #P-1 Casing Size 4 1/2
Perforations: 60 PERFS. spf Tubing/Packer 2 3/8
Depth _____

Zone(s) RED SAND - OIL ZONE

Job Procedure: 1-Tube SPT / ABO / FRAC
80 SKS,

- 1000 HP
- 1300 HP
- Acid Pump
- Acid Trailer

166 Knock Balls.

EACH

TOTALS

Materials

FRAC VAN

Hydrochloric Acid: Spot 50-15% Balloff 300-15% Bullhead _____
 spotter dump tubing

Acid Chemicals: 1/2 Inhib. 1 1/4 Inhib
1/2 STIMM 2 1/2 STIM

Frac Sand: 15 - 16/30 65 - 75 12/20 8/12

Ballsealers: Acid 80-90 Frac YES. Rock Salt _____

Frac Fluid: 390 - city Transports 3

Fluid Loading: 15-20 # gal Frac Tanks _____
2% KCL 80 vac. _____
TRICIDE.

Other Information 2 Gelled TP's
1 - STRAIGHT KCL - ABO + Backup daly

Job Location: N. OF HAVANA to 3600 Rd - (JUST PAST
Gas Compressor) W. to TOP OF HILL
S. SIDE.

Order Taken by: Beele ->

Invoice # _____
Entered by _____