

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 4824

Name: Pioneer Natural Resources USA, Inc.

Address 1: 5205 N. O'Connor Blvd, Suite 200

Address 2: _____

City: Irving State: TX Zip: 75039 + _____

Contact Person: Mandy Hedgpeth

Phone: (972) 969-3873

CONTRACTOR: License # 4824

Name: PIONEER NATURAL RESOURCES USA, INC.

Wellsite Geologist: NONE

Purchaser: _____

Designate Type of Completion:

New Well _____ Re-Entry _____ Workover

_____ Oil _____ SWD _____ SIOW

Gas _____ ENHR _____ SIGW

_____ CM (Coal Bed Methane) _____ Temp. Abd.

_____ Dry _____ Other _____
(Core, WSW, Expl., Cathodic, etc.)

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: _____ Plug Back Total Depth

_____ Commingled _____ Docket No.: _____

_____ Dual Completion _____ Docket No.: _____

_____ Other (SWD or Enhr.?) _____ Docket No.: _____

12/3/08 12/14/08 12/15/08

Spud Date or
Recompletion Date

Date Reached TD

Completion Date or
Recompletion Date

API No. 15 - 189-22672-0000

Spot Description: _____

~~NE~~ ~~SW~~ ~~SE~~ Sec. 23 Twp. 31 S. R. 38 East West

1320 Feet from North / South Line of Section

1350 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

NE NW SE SW

County: Stevens

Lease Name: Trotter Well #: 4-23

Field Name: Panoma

Producing Formation: Council Grove

Elevation: Ground: 3151 Kelly Bushing: 3162

Total Depth: 2998 Plug Back Total Depth: 2971

Amount of Surface Pipe Set and Cemented at: 654 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/ _____

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 2000 ppm Fluid volume: 2000 bbls

Dewatering method used: Evaporation/Backfill

Location of fluid disposal if hauled offsite: _____

Operator Name: n/a

Lease Name: _____ License No.: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Docket No.: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Mandy Hedgpeth

Title: Eng. Tech Date: 3/2/09

Subscribed and sworn to before me this 2 day of March

20 09

Notary Public: Shawna M. Barrett

Date Commission Expires: _____

KCC Office Use ONLY

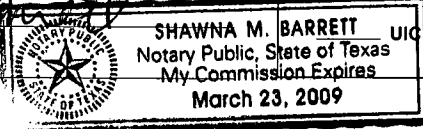
Letter of Confidentiality Received

If Denied, Yes Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution



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Operator Name: Pioneer Natural Resources USA, Inc. Lease Name: Trotter Well #: 4-23
 Sec. 23 Twp. 31 S. R. 38 East West County: Stevens

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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i> List All E. Logs Run: Comp. Neutron, Shallow Electric, GR-CCL-CBL	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum See Exhibit A <div style="text-align: right;"> KANSAS CORPORATION COMMISSION MAR 04 2009 RECEIVED </div>
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CASING RECORD <input checked="" 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
Surface	12 1/4"	8 5/8"	24	654	See Exhibit B	Exhibit B	Exhibit B
Producton	7 7/8	5 1/2"	15.5	2998	See Exhibit B	Exhibit B	Exhibit B

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	n/a			

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
3	2640-2648 Chase	Acidized w/1000 gals 15% HCL + ProFrac 2500 XL + 200,000# 12/20 Brady Mesh sd.	
3	2684-2700 Chase		
3	2866-2874 Council Grove	Acidized w/1000 gals 15% HCL + ProFrac 2500 XL + 150,000# 12/20 Brady Mesh sd.	
3	2892-2900 Council Grove		

TUBING RECORD: Size: <u>2 3/8"</u> Set At: <u>2736'</u> Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or Enhr. <u>1/26/09</u>		Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)	
Estimated Production Per 24 Hours	Oil Bbls. <u>0</u>	Gas Mcf <u>120</u>	Water Bbls. <u>0</u> Gas-Oil Ratio _____ Gravity _____

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" 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 checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: See Exhibit C
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TROTTER 4-23
API # 15-189-22672-0000

EXHIBIT A

Formation Tops:

Top Chase	2480
Herrington	2480
Krider	2501
Odell	2541
Winfield	2554
Gage	2594
Towanda	2623
Ft. Riley	2677
Matfield	2748
Wreford	2765
Top Council Grove	2789
Speiser A1 Sh	2789
Funston A1 Lime	2811
Blue Rapids B1 Sh	2852
Crouse B1 Lime	2866
B2 Sh	2882
B2 Lm	2891
B3 Sh	2904
B3 Lm	2917
B4 Sh	2922
B4 Lm	2933
B5 Sh	2941
B5 Lm	2947

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TROTTER 4-23
API # 15-189-22672-0000

EXHIBIT B

	<u>TYPE OF CEMENT</u>	<u># OF SACKS USED</u>
Surface casing:	Lead: 35:65 Poz/G	110
	Tail: Class G	195
Production casing:	Lead: 35:65 Poz/G	25
	Tail: 25:75 Poz/G	200

Type and Percent Additives:

Surface Casing:

Lead: 2% Bentonite, ¼ LBS/SK Harbourite, 5 LBS/SK Kolite, 2% CCL
Tail: 2% CCL, ¼ LBS/SK Harbourite, ¼ LBS/SK CAF-38

Production Casing:

Lead: 3% Bentonite, 5 LBS/SK P-154 extender, 10.5 LBS/SK Kolite, 2% CCL
Tail: 2% Bentonite, 5 LBS/SK Kolite, 0.25% fluid loss, 2% CCL

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TROTTER 4-23
API # 15-189-22672-0000

EXHIBIT C

Production Interval:

(only producing from the Chase at this time.)

Council Grove (Panoma)

Crouse (B1 lime) 2866' – 2874'

Bader (B2 lime) 2892' – 2900'

Chase (Hugoton)

Towanda 2640' – 2648'

Ft. Riley 2684' – 2700'

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Pioneer Natural Resources USA, Inc.

Bill To:
 Pioneer Natural Resources USA, Inc.
 P.O. Box 1006
 Ulysses, KS - 67880

Well Name: Trotter 4-23
 Location: 563641
 County: Stevens
 State: KS
 Service Line: Cement
 Stages: 1

Field Estimate: GH2009001
 Estimate Date: 14-Dec-08
 Job Description: 5 1/2 Casing Long String Cement

Code	Section	Units	UOM	Unit Cost	Total Book	Disc	Total Net	
Equipment and Services								
2002	Heavy Unit Mileage	2.0 units @	50.0 mi each	100.0 mi	\$ 8.78	\$ 878.00	60.0% \$ 351.20	
2004	Car, Pickup or Van Mileage	1.0 units @	50.0 mi each	50.0 mi	\$ 5.13	\$ 256.50	60.0% \$ 102.60	
2012	Fuel Surcharge, 1.5 Ton & Smaller	50.0 mi		50.0 mi	\$ 0.14	\$ 7.00	60.0% \$ 2.80	
2013	Fuel Surcharge, over 1.5 Ton	100.0 mi		100.0 mi	\$ 0.18	\$ 18.00	60.0% \$ 7.20	
2014	DOT Vehicle Charge	ea DOT Unit		ea	\$ 490.50	\$ -	60.0% \$ -	
2020	Cementing Setup Charge 0-2000' (4 hours)	units @	hrs each	ea	\$ 4,376.25	\$ -	60.0% \$ -	
2026	Cementing Setup Charge 2001-3000' (4 hours)	1.0 units @	4.0 hrs each	1.0 ea	\$ 4,906.80	\$ 4,906.80	60.0% \$ 1,962.72	
2022	Miscellaneous Pumping (0-3,000 psi) <4 hrs	Total hours on location		-	4hr	\$ 4,942.80	\$ -	60.0% \$ -
2024	Multi-stage Cementing Charge			ea	\$ 4,578.75	\$ -	60.0% \$ -	
2142	Cement Head			1.0 ea	\$ 1,095.00	\$ 1,095.00	60.0% \$ 438.00	
2160	Cement Monitoring			1.0 job	\$ 2,001.00	\$ 2,001.00	60.0% \$ 800.40	
Total Equipment and Services						\$ 21,250.53	60.0% \$ 8,500.21	

Materials								
10334	Class C			-	sk	\$ 29.43	\$ -	60.0% \$ -
	SDC 12.5			-	sk	\$ 48.51	\$ -	60.0% \$ -
19611	Class G			37,730.0	lb	\$ 0.31	\$ 11,696.30	60.0% \$ 4,678.52
40005	Surface Set			-	sk	\$ 42.20	\$ -	60.0% \$ -
40005	Surface Set Returns			-	sk	\$ (42.20)	\$ -	60.0% \$ -
40006	Vermejo 5			-	sk	\$ 57.38	\$ -	60.0% \$ -
40006	Vermejo 5 Returns			-	sk	\$ (57.38)	\$ -	60.0% \$ -
40007	Vermejo 5 - without LCM			-	sk	\$ 52.38	\$ -	60.0% \$ -
40007	Vermejo 5 - without LCM Returns			-	sk	\$ (52.38)	\$ -	60.0% \$ -
40008	Squeeze Cement			-	sk	\$ 27.87	\$ -	60.0% \$ -
40008	Squeeze Cement Returns			-	sk	\$ (27.87)	\$ -	60.0% \$ -
10337	Bentonite Gel			1,747.0	lb	\$ 0.29	\$ 506.63	60.0% \$ 202.65
10340	Phenoseal			-	lb	\$ 1.25	\$ -	60.0% \$ -
10341	Cello-Seal 1/4" Flake			-	lb	\$ 5.21	\$ -	60.0% \$ -
10342	Ny Fiber Lost Circulation Material			-	lb	\$ 15.04	\$ -	60.0% \$ -
10343	Diamond Seal			-	lb	\$ 32.35	\$ -	60.0% \$ -
10344	Nut Plugs Lost Circulation Material			-	lb	\$ 1.49	\$ -	60.0% \$ -
10348	CAF-34 Anti Foamer			6.0	gal	\$ 62.28	\$ 373.68	60.0% \$ 149.47
10350	Thread Lock			1.0	ea	\$ 54.14	\$ 54.14	60.0% \$ 21.66
10353	Red Dye			-	lb	\$ 10.83	\$ -	60.0% \$ -
10354	Chemplex C-43			-	lb	\$ 9.81	\$ -	60.0% \$ -
10355	Salt			-	lb	\$ 0.21	\$ -	60.0% \$ -
10356	Sodium Silicate 40 Grade			-	gal	\$ 21.97	\$ -	60.0% \$ -
10357	Sodium Metasilicate			-	gal	\$ 2.42	\$ -	60.0% \$ -
10358	Pyramid Cement			-	lb	\$ 77.75	\$ -	60.0% \$ -
11343	Ultra Seal Plus			-	gal	\$ 4.73	\$ -	60.0% \$ -
19610	Coarse Grind Mica			-	lb	\$ 0.90	\$ -	60.0% \$ -
19620	Amorphous Silica (LSP)			1,846.0	lb	\$ 3.42	\$ 6,313.32	60.0% \$ 2,525.33
19635	CD-110 Dispersant			-	lb	\$ 7.64	\$ -	60.0% \$ -
19639	Clear Air 2325P Defoamer			-	lb	\$ 5.17	\$ -	60.0% \$ -
19667	Diacel Adjustable Spacer			-	lb	\$ 21.81	\$ -	60.0% \$ -
19687	Defoamer CAF-3B			150.0	lb	\$ 10.62	\$ 1,593.00	60.0% \$ 637.20
Total Material Costs						\$ 32,719.00	60.0% \$ 13,087.60	

Float Equipment								
30391	Top Rubber Plug 5 1/2"			1.0	ea	\$ 108.47	\$ 108.47	60.0% \$ 43.39
30396	Latch Down Plug and Baffle 5 1/2"			-	ea	\$ 383.83	\$ -	60.0% \$ -
30402	Cement Basket 5 1/2"			1.0	ea	\$ 240.50	\$ 240.50	60.0% \$ 96.20
30404	Cement Basket 8 5/8"			-	ea	\$ 265.63	\$ -	60.0% \$ -
30409	Guide Shoe - Aluminum Nose 5 1/2"			1.0	ea	\$ 255.82	\$ 255.82	60.0% \$ 102.33
30420	Centralizer 5 1/2"			12.0	ea	\$ 68.51	\$ 822.12	60.0% \$ 328.85
30422	Centralizer 8 5/8"			-	ea	\$ 97.42	\$ -	60.0% \$ -
30460	Insert Float w/ Auto Fill 5 1/2"			1.0	ea	\$ 277.13	\$ 277.13	60.0% \$ 110.85
30428	Type A Packer Shoe 5 1/2"			-	ea	\$ 2,405.04	\$ -	60.0% \$ -
30429	Type A Packer Pin Down 7"			-	ea	\$ 3,452.98	\$ -	60.0% \$ -
30430	Type A Packer Pin Down 5 1/2"			-	ea	\$ 2,512.47	\$ -	60.0% \$ -
30432	High Pressure Plug & Baffle 5 1/2"			-	ea	\$ 1,362.45	\$ -	60.0% \$ -
30433	Inflatable Stage Cement Collar 5 1/2"			-	ea	\$ -	\$ -	60.0% \$ -
Total Float Equipment						\$ 1,791.80	60.0% \$ 716.72	

Job Total \$ 55,761.33 60.0% \$ 22,304.53

Invoice Total \$ 22,304.53

Gary Hessling
 Invoice Completed by

James Cunningham

Pioneer Natural Resources USA, Inc. Agent's Signature

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CEMENTING TREATMENT REPORT



TREATMENT NUMBER	DATE
GH2009001	12/14/2008
STAGE	JOB TYPE
I	Longstring

WELL NAME AND NO. Trotter 4-23	LOCATION (LEGAL) 23 T31S R38W	RIG NAME: Frontier Rig # 1	CEMENT PUMPER: 2304
FIELD Ulysses	FORMATION N/A	WELL DATA	BOTTOM
COUNTY Stevens	STATE Kansas	API NO.	FT TOP FT
RIG FORMAN Billy Dale		BIT SIZE 7 7/8	CSG/Liner Size 5 1/2
LEAD CEMENTER Gary Hessling		TOTAL DEPTH 2999	WEIGHT 17
		MUD TYPE N/A	FOOTAGE 2999
		<input type="checkbox"/> BHST N/A	GRADE N-80
		<input type="checkbox"/> BHCT N/A	THREAD EUE
		MUD DENSITY N/A	LESS FOOTAGE (SHOE JOINTS) 2979
		MUD VISC N/A	Disp. Capacity 70
		TOTAL: 70	

RIG FORMAN Billy Dale
LEAD CEMENTER Gary Hessling

TYPE	(1) 5 1/2 Insert Float w/ Auto Fill	TYPE	
DEPTH		DEPTH	
TYPE	(1) 5 1/2 Guide Shoe-Alum Nose	TYPE	
DEPTH		DEPTH	

SPECIAL INSTRUCTIONS
cement production casing from 2999
Sammy Filippo, Gary Hessling, Bruce Green, Jose Madrid

Head & Plugs	<input type="checkbox"/> TBG	<input type="checkbox"/> D.P.
(1) 5 1/2" Top Rubber Plug	WEIGHT	DEPTH
<input type="checkbox"/> Double Box 6	GRADE	THREADS
<input checked="" type="checkbox"/> Single	THREADS	DEPTH
<input type="checkbox"/> Swage	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Used
<input type="checkbox"/> Knockout	DEPTH	
CEMENT TEMPERATURE:	70	
WATER QUALITY:	pH	SG
		65
TEMP		

LIFT PRESSURE	1800	psi
PRESSURE LIMIT	1800	psi
NO. of Centralizers	(12) 5 1/2	
BUMP PLUG TO	(1) 5 1/2" Basket	

TIME	0001 to 2400	ARRIVE ON LOCATION	TIME: 6:30	DATE: 12/14/2008	RIG UP	TIME: 10:35	DATE: 12/14/2008	LEFT LOCATION	TIME: 16:30	DATE: 12/14/2008
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TIME	PRESSURE	VOLUME PUMPED	JOB SCHEDULED FOR	ARRIVE ON LOCATION	RIG UP	LEFT LOCATION							
0001 to 2400	TBG	CSG	INCR	CUM	RATE	FLUID TYPE	DENSITY	TIME	DATE	TIME	DATE	TIME	DATE
12:00													
13:00		2000	15	0:00	4	H2o	8.34						
13:05		100	25		4	scavenger	10						
13:12		200	124		4.5	lead	12.5						
13:40		200	45		4.5	tail	15						
13:50													
14:04		200			6	H2O							
14:07		200	20		5	H2O							
14:10		350	40		5	H2O							
14:15		350	60		5	H2O							
14:22		750	70			H2O							
16:20													

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System Used	No. of Sacks	Yield ft ³ /sk	COMPOSITION OF SYSTEM				SLURRY MIXED	
			BBLs	DENSITY	BBLs	DENSITY		
25/75	223					190	10.12.5.15	
35/65	369							
			37730 lbs. Class G Cement					
			13800 lbs. Fly Ash					
			1747 lbs. Bentonite					
			1846 lbs. Fumed Silica					
			5680 lbs. Kol Seal					
			1009 lbs. Calcium Chloride					
			150 lbs. CAF-38 Defoamer					
			67 lbs. LCP-101					
			6 gal. CAF-34 Anti Foamer					
			1 Thread Lock					

CIRCULATION	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	WASHED CASING DOWN	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	RETURNED TO SURFACE	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	BREAKDOWN BEFORE PLUG BUMP	PSI	FINAL	PSI		
DISPLACEMENT VOL.	70	BBLs				50			PRESSURE	750	PSI	RATE	5	BPM

Pioneer Natural Resources USA, Inc.

Bill To:
 Pioneer Natural Resources USA, Inc.
 P.O. Box 1006
 Ulysses, KS - 67880

Well Name Trotter 4-23
 Location: 563641-001
 County: Stevens
 State: KS
 Service Line: Cement
 Stages: 1

Field Estimate GM2008143
 Estimate Date 04-Dec-08
 Job Description
 8 5/8" Casing Surface Cement

Code	Section	Units	UOM	Unit Cost	Total Book	Disc	Total Net
Equipment and Services							
2002	Heavy Unit Mileage	2.0	units @ 60.0 mi each	120.0 mi \$ 8.78	1,053.60	60.0%	421.44
2004	Car, Pickup or Van Mileage	1.0	units @ 60.0 mi each	60.0 mi \$ 5.13	307.80	60.0%	123.12
2012	Fuel Surcharge, 1.5 Ton & Smaller	60.0	mi	60.0 mi \$ 0.14	8.40	60.0%	3.36
2013	Fuel Surcharge, over 1.5 Ton	120.0	mi	120.0 mi \$ 0.18	21.60	60.0%	8.64
2014	DOT Vehicle Charge		ea DOT Unit	- ea \$ 490.50		30.0%	-
2020	Cementing Setup Charge 0-2000' (4 hours)	1.0	units @ 4.0 hrs each	1.0 ea \$ 4,376.25	4,376.25	60.0%	1,750.50
2022	Miscellaneous Pumping (0-3,000 psi) <4 hrs		Total hours on location	- 4hr \$ 4,942.80		30.0%	-
2024	Multi-stage Cementing Charge		ea	- ea \$ 4,578.75		30.0%	-
2142	Cement Head	1.0	ea	1.0 ea \$ 1,095.00	1,095.00	60.0%	438.00
2160	Cement Monitoring	1.0	job	1.0 job \$ 2,001.00	2,001.00	60.0%	800.40
Total Equipment and Services					\$ 14,902.93	60.0%	\$ 5,961.17

Code	Section	Units	UOM	Unit Cost	Total Book	Disc	Total Net
Materials							
10334	Class C		sk	\$ 29.43		30.0%	
	SDC 12.5		sk	\$ 48.51		30.0%	
19611	Class G		lb	\$ 0.31	7,846.10	60.0%	3,138.44
40005	Surface Set		sk	\$ 42.20		30.0%	
40005	Surface Set Returns		sk	\$ (42.20)		30.0%	
40006	Vermejo 5		sk	\$ 57.38		30.0%	
40006	Vermejo 5 Returns		sk	\$ (57.38)		30.0%	
40007	Vermejo 5 - without LCM		sk	\$ 52.38		30.0%	
40007	Vermejo 5 - without LCM Returns		sk	\$ (52.38)		30.0%	
40008	Squeeze Cement		sk	\$ 27.87		30.0%	
40008	Squeeze Cement Returns		sk	\$ (27.87)		30.0%	
10337	Bentonite Gel	200.0	lb	\$ 0.29	58.00	60.0%	23.20
10340	Phenoseal		lb	\$ 1.25		30.0%	
10341	Cello-Seal 1/4" Flake		lb	\$ 5.21		30.0%	
10342	Ny Fiber Lost Circulation Material	77.0	lb	\$ 15.04	1,158.08	60.0%	463.23
10343	Diamond Seal		lb	\$ 32.35		30.0%	
10344	Nut Plugs Lost Circulation Material		lb	\$ 1.49		30.0%	
10348	CAF-34 Anti Foamer	20.0	gal	\$ 62.28	1,245.60	60.0%	498.24
10350	Thread Lock	1.0	ea	\$ 54.14	54.14	60.0%	21.66
10353	Red Dye	2.0	lb	\$ 10.83	21.66	60.0%	8.66
10354	Chemplex C-43		lb	\$ 9.81		30.0%	
10355	Salt		lb	\$ 0.21		30.0%	
10356	Sodium Silicate 40 Grade		gal	\$ 21.97		30.0%	
10357	Sodium Metasilicate		gal	\$ 2.42		30.0%	
10358	Pyramid Cement		lb	\$ 77.75		30.0%	
11343	Ultra Seal Plus		gal	\$ 4.73		30.0%	
19610	Coarse Grind Mica		lb	\$ 0.90		30.0%	
19620	Amorphous Silica (LSP)		lb	\$ 3.42		30.0%	
19635	CD-110 Dispersant		lb	\$ 7.64		30.0%	
19639	Clear Air 2325P Defoamer		lb	\$ 5.17		30.0%	
19667	Diaceal Adjustable Spacer		lb	\$ 21.81		30.0%	
19687	Defoamer CAF-38	50.0	lb	\$ 10.62	531.00	60.0%	212.40
Total Material Costs					\$ 13,003.83	60.0%	\$ 5,201.53

Code	Section	Units	UOM	Unit Cost	Total Book	Disc	Total Net
Float Equipment							
30391	Top Rubber Plug 5 1/2"		ea	\$ 108.47		30.0%	
30396	Latch Down Plug and Baffle 5 1/2"		ea	\$ 383.83		30.0%	
30402	Cement Basket 5 1/2"		ea	\$ 240.50		30.0%	
30404	Cement Basket 8 5/8"		ea	\$ 265.63		30.0%	
30409	Guide Shoe - Aluminum Nose 5 1/2"		ea	\$ 255.82		30.0%	
30420	Centralizer 5 1/2"		ea	\$ 68.51		30.0%	
30422	Centralizer 8 5/8"	5.0	ea	\$ 97.42	487.10	60.0%	194.84
30460	Insert Float w/ Auto Fill 5 1/2"		ea	\$ 277.13		30.0%	
30428	Type A Packer Shoe 5 1/2"		ea	\$ 2,405.04		30.0%	
30429	Type A Packer Pin Down 7"		ea	\$ 3,452.98		30.0%	
30430	Type A Packer Pin Down 5 1/2"		ea	\$ 2,512.47		30.0%	
30432	High Pressure Plug & Baffle 5 1/2"		ea	\$ 1,362.45		30.0%	
30433	Inflatable Stage Cement Collar 5 1/2"		ea	\$ -		30.0%	
Total Float Equipment					\$ 1,330.48	60.0%	\$ 532.19

Job Total \$ 29,237.24 60.0% \$ 11,694.90

Invoice Total \$ 11,694.90

Invoice Completed by _____ James Cunningham
 Pioneer Natural Resources USA, Inc. Agent's Signature _____

v20080612

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CEMENTING TREATMENT REPORT



TREATMENT NUMBER	GM2008143	DATE	12/4/2008
STAGE	1	JOB TYPE	8 5/8" Surface

WELL NAME AND NO.	Trotter 4-23	LOCATION (LEGAL)	USA	RIG NAME:	PNR #3	CEMENT PUMPER:	2305
FIELD	ULYSSES	FORMATION	0	WELL DATA	12 1/4	BOTTOM	8 5/8
COUNTY	STEVENS	STATE	KS	API NO.		FT	TOP

RIG FORMAN	BILLY DALE	BIT SIZE	12 1/4	CG/Liner Size	8 5/8	FT	TOP	PT
CEMENT SUPER	GALEN MUNCY	TOTAL DEPTH	655	WEIGHT	24			
		MUD TYPE		FOOTAGE	255			
		<input type="checkbox"/> BHST		GRADE	355			
		<input type="checkbox"/> BHCT		THREAD	EUH			
		MUD DENSITY	10	(LESS FOOTAGE SHOULDER JOINTS)	15			TOTAL:
		MUD VISC	36		39			39

SPECIAL INSTRUCTIONS							
WE WERE 20 SKS SHORT ON CMT@8 5/8 CMT HEAD							
WOULD NOT GO ON PIPE WITH OUT TAKING A PART							
CUST. USDED 8 5/8 STINGER NO PLUG CUT DISPLACEMENT SHORT 3 BLL							
HEAD & PLUGS	<input type="checkbox"/> TBG	<input type="checkbox"/> D.P.					
<input type="checkbox"/> Double Box 6	WEIGHT	N/A		TOOL	TYPE	N/A	
<input type="checkbox"/> Single	GRADE	N/A		DEPTH	DEPTH	N/A	
<input type="checkbox"/> Swage	THREADS	N/A		TAIL PIPE:	SIZE		DEPTH
<input type="checkbox"/> Knockout	<input type="checkbox"/> New	<input type="checkbox"/> Used		TUBING VOLUME		N/A	BBLs
	DEPTH			CSG VOL BELOW TOOL		N/A	BBLs
				TOTAL		N/A	BBLs
				ANNULAR VOLUME		N/A	BBLs

LIFT PRESSURE	250	psi	8 5/8" Cement Basket
PRESSURE LIMIT	700	psi	BUMP PLUG TO 0
			NO. of Centralizers 5 8 5/8"
			CEMENT TEMPERATURE: 40
			WATER QUALITY: 8.5 pH

TIME	0001 to 2400	PRESSURE	TBG	CSG	VOLUME PUMPED	INCR	CUM	JOB SCHEDULED FOR	TIME: 22:00	DATE: 12/3/2008	ARRIVE ON LOCATION	TIME: 12:30	DATE: 12/3/2008	RIG UP	TIME: 12:30	DATE: 12/4/2008	LEFT LOCATION	TIME: 5:00	DATE: 12/4/2008
								RATE	FLUID TYPE	DENSITY									

22:00											ON LOC								
12:30											RIG IN/SAFETY MEETING								
2:00		1500									PSI TEST								
2:12		80	10	10	2	H2O	8.34				PUMP H2O AHEAD								
2:17		90	36	46	3	POZ-G	12.3				PUMP LEAD CMT 12.3								
2:30		75	40	86	2.5	G-NEAT	15.8				PUMP TAIL CMT 15.8 PPG								
2:45		10	36	122	3	H2O	8.34				PUMP DISPLACMENT								
											LIFT 250 ISIP 150								
											12 BLL 3 BPM 25 PSI								
											24 BLL 3 BPM 100 PSI								
											34 BLL 2 BPM 205 PSI								
											5 BLL CMT TO PITT								
											2 CMT SAMPLE 12.3 PPG 2 CMT SAMPLE 15.8 PPG								
											1 H2O SAMPLE 1 DRY SAMPLE								
											POST MEETING								
											OFF LOC								

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System Used	No. of Sacks	Yield ft ³ /sk	COMPOSITION OF SYSTEM															
Surface Set	308	2.02	25310 lbs Class G cement															
			2760 lbs Fly Ash															
			200 lbs Bentonite Gel															
			559 lbs Calcium Chloride															
			77 lbs Harbaurite															
			20 gallons CAF-34 Anti-foamer															
			1 Thread Lock															
			2 lbs Red Dye															
			650 lbs Kol Seal															
			50 lbs Defoamer CAF-38															

CIRCULATION	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	WASHED CASING DOWN	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	BREAKDOWN	N/A	PSI	FINAL	250	PSI
DISPLACEMENT VOL.	36	BBLs	RETURNED TO SURFACE	5 BLL CMT	BEFORE PLUG BUMP	150	PSI	RATE	2	BPM	