



KANSAS CORPORATION COMMISSION 1100309
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 # 34734
Name: Petro River Operating, LLC
Address 1: 4925 GREENVILLE, STE 900
Address 2:
City: DALLAS State: TX Zip: 75206 +
Contact Person: Ruben Alba
Phone: (303) 416-0012
CONTRACTOR: License # 99975
Name: COMPANY SERVICING TOOLS
Wellsite Geologist: N/A
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: Petro River Operating LLC
Well Name: Scully A 1-3
Original Comp. Date: 11/09/2009 Original Total Depth: 3050
 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 #:

08/07/2012 08/07/2012
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 15-115-21398-00-01

Spot Description:
SW NE SW Sec. 3 Twp. 19 S. R. 3 East West
1650 Feet from North / South Line of Section
1650 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Marion
Lease Name: SCULLY Well #: 1-3

Field Name:
Producing Formation: Mississippian Chat

Elevation: Ground: 1398 Kelly Bushing: 1398

Total Depth: 3050 Plug Back Total Depth:

Amount of Surface Pipe Set and Cemented at: 203 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: Deanna Gammor Date: 11/09/2012



1100309

Operator Name: Petro River Operating, LLC

Lease Name: SCULLY

Well #: 1-3

Sec. 3 Twp. 19 S. R. 3 East West

County: Marion

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 Yes No (Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No

Electric Log Submitted Electronically Yes No (If no, Submit Copy)

List All E. Logs Run:

<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample		
Name	Top	Datum
Lansing-Kansas City	1874	-476
Base of Kansas City	2268	-870
Mississippian Chat	2432	-1034
Mississippian Lime	2483	-1085
Kinderhook Shale	2554	-1156
Viola Lime	2816	-1418
Arbuckle Dolomite	2961	-1563

CASING RECORD New 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	-			

PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated

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
2	2434-2440	95 bbl 15% NE-FE, 14309 bbl Slickwater -	2434
4	2440-2450		

TUBING RECORD: Size: 2.875" Set At: 2495.61 Packer At: Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. 10/01/2012 Producing Method: Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours Oil 3 Bbls. Gas 6 Mcf Water 397 Bbls. 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-1B.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other (Specify)	PRODUCTION INTERVAL: _____ _____
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6/22/2012



3570003108

FIELD TICKET

Customer	Petro River Operating	Stage	11
Customer Acct #		County	Marion County, Kansas
Well No.	Scully A #1-11	Section	1
Mailing Address		TWP	29N
City & State		RGE	9E
Zip Code		Formation	Mississippi
Dispatch Location	BARTLESVILLE	Perfs	2491-2518

Code	Vehicles, Equipment and Mileage	Quantity	Unit	Price per Unit	
5102	2250 HP PUMP (UP TO 5500 PSI)	7	PER STAGE	3275.00	\$ 22,925.00
5106D	BLENDER TRUCK (75-100 BPM)	1	PER STAGE	3835.00	\$ 3,835.00
5111	FRAC VAN	1	PER STAGE	1500.00	\$ 1,500.00
5116B	IRON TRUCK W/ BOOM	1	PER STAGE	2000.00	\$ 2,000.00
5107	FLOW METERED CHEMICAL PUMP	2	PER STAGE	125.00	\$ 250.00
5116D	FRAC MANIFOLD TRAILER	1	AGE PLUS WIN	2000.00	\$ 2,000.00
5106I	INCREMENTAL COST (BBL OVER 5000)	5,386	PER BBL	0.46	\$ 2,477.56
5116C	CHEMICAL TRUCK	1	PER STAGE	400.00	\$ 400.00
5116E	SUCTION MAINFOLD	1	PER STAGE	2000.00	\$ 2,000.00
0			0	0.00	\$ -
0			0	0.00	\$ -

SUBTOTAL \$ 37,387.56

25% EQUIPMENT DISCOUNT \$ 9,346.89

EQUIPMENT TOTAL \$ 28,040.67

Chemical Treatment and Water					
1252	Maxflo (MA844)(MA-844W)	108.0	0	50.00	\$ 5,400.00
1219B	STIMFLO (FBA)	4.0	GALLONS	65.00	\$ 260.00
1205	BACHCIDE	108.0	GALLONS	30.00	\$ 3,240.00
1234A	FRICTION REDUCER (SP-902)	216.0	GALLONS	40.00	\$ 8,640.00
1275	15% HCL ACID (CHARGE FOR INHIBITOR IN ADDITION)	4,000.0	GALLONS	2.40	\$ 9,600.00
1202	ACID INHIBITOR (AI-260)	4.0	GALLONS	50.00	\$ 200.00
1214	IRON CONTROL (SP-950)	8.0	GALLONS	40.00	\$ 320.00
0			0	0.00	\$ -
0			0	0.00	\$ -
0			0	0.00	\$ -
0			0	0.00	\$ -
0			0	0.00	\$ -
0			0	0.00	\$ -

CHEMICAL TOTAL \$ 27,660.00

Sand					
2109	40/70 WHITE SAND	41,250	POUNDS	\$0.35	\$ 14,437.50
2105	100-MESH	41,250	POUNDS	\$0.21	\$ 8,662.50
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -

SAND TOTAL \$ 23,100.00

Water and Chemical Transport					
5310A	ACID TRANSPORT	3	PER HOUR	\$140.00	\$ 420.00
5109	BULK SAND DELIVERY (50 MILE MIN.)	300	PER MILE	\$6.28	\$ 1,884.00
5108	MILEAGE CHARGE (ONE WAY)	1,500	PER MILE	\$4.00	\$ 6,000.00
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -

TRANSPORT TOTAL \$ 8,304.00

Frac Valves					
5604A	4 INCH FRAC VALVE	3	PER WELL	\$300.00	\$ 900.00
5611	FRAC HEAD	1	PER WELL	\$6,000.00	\$ 6,000.00

FRAC VALVE TOTAL \$ 6,900.00

Miscellaneous Costs					
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -
0			0	\$0.00	\$ -

MISC. TOTAL \$ -

SUB TOTAL 103,351.56

25% EQUIPMENT DISCOUNT(FROM ABOVE) 9,346.89

25% MATERIALS DISCOUNT 16,491.00

SALES TAX

DISCOUNTED TOTAL \$ 77,513.67

DISCOUNT (GOOD IF PAID WITHIN 30 DAYS)

P.O. NUMBER: 1234

CUSTOMER or AGENTS SIGNATURE _____

COWS FOREMAN

CUSTOMER or AGENT(PLEASE PRINT) _____

DATE _____

TREATMENT REPORT
FRAC AND ACID

Customer	Petro River Operating
Customer Acct #	
Well No.	Scully A #1-11
Mailing Address	
City and State	
Zip Code	
Dispatch Location	BARTLESVILLE

County	Marion County, Kansas	Stage	1
Section	1	Formation	Mississippi
TWP	29N	TVD Perfs	2491-2518
RANGE	9E	MD Perfs	

On Location	
Departed	

WELL DATA						TRUCK#	DRIVER	TRUCK#	DRIVER	
TREATMENT TYPE:	TREATMENT THROUGH CASING					PLUG DEPTH (FT)	412-197	Mike H	636	Gerald W
TVD OF PERFS	2491-2518	MD OF PERFS	2491-2518	PACKER DEPTH (FT)		559-T134	Mark C			
CASING SIZE (OD)	J-55 (15.5 LBS)	TMD TO TOP PERF (FT)	2491	ID (INCHES)	4.95		407	Brandon W		
				DISPL COEF (BBL/FT)	0.0238	662-T166	Chad C			
						565-T152	Robert S			
OVER FLUSH	0				0.0000	598-T144	Asa M			
				DISPLACEMENT TO TOP PERF (BBLs)	60.0	636-T113	William H			

PERF DATA		CHEMICALS			TRUCK#	DRIVER
TOTAL HOLES SHOT		Mazflo (MA844)(MA-844W)		108	451-T117	Clay C
HOLE ID (IN)		STIMFLO (FBA)		4	649-T142	Ryan S
PHASING		BACHCIDE		108	554-T115	Russel S
SPF		FRICITION REDUCER (SP-802)		216	499-T79	Dusty B
		5% HCL ACID (CHARGE FOR INHIBITOR IN ADDITION)		4000	500-T168	Steve S
		ACID INHIBITOR (AI-200)		4	560-T123	Dusty F
EFFECTIVE HOLES		IRON CONTROL (SP-950)		8	532	Frank B
					634-T957	Jason L

FET ANALYSIS (Optional)							
FLUID WEIGHT	8.34	MAX RATE:		MAX PRESSURE		ISDP	
HYDROSTATIC HEIGHT	3408	RATE 1		PRESSURE 1		5 MIN SIP	FRAC GRAD
FLUID SG	1.01	RATE 2		PRESSURE 2		10 MIN SIP	FLUID EFF (%)
HYDROSTATIC PRESS	1477.98	RATE 3		PRESSURE 3		15 MN SIP	CALC PERM

PRESSURE DATA									
MAX PRESSURE	INITIAL PRESSURE	BREAKDOWN PRESSURE			ISIP	5 MIN	10 MIN	15 MIN	30 MIN
		2010			110	91	7		

SUMMARY				PROP TYPE		TOTAL PUMPED
TOTAL FLUID PUMPED	10381 BBLs	MAX TREATING PRESSURE	3052 PSI			
PROPPANT PUMPED	82487 LBS	MIN TREATING PRESSURE	382 PSI			
MAX RATE	70 BBL/MIN	AVE TREATING PRESSURE	1,703			
MIN RATE	10 BBL/MIN					
AVERAGE RATE	34.72634987					
FOAM QUALITY		FLUID WEIGHT	8.34			
AMOUNT OF FOAM PUMPED		HYDROSTATIC HEIGHT	3408			
TYPE OF FOAM		HYDROSTATIC PRESS	1,477.98			
		FRAC GRADIENT	0.47			

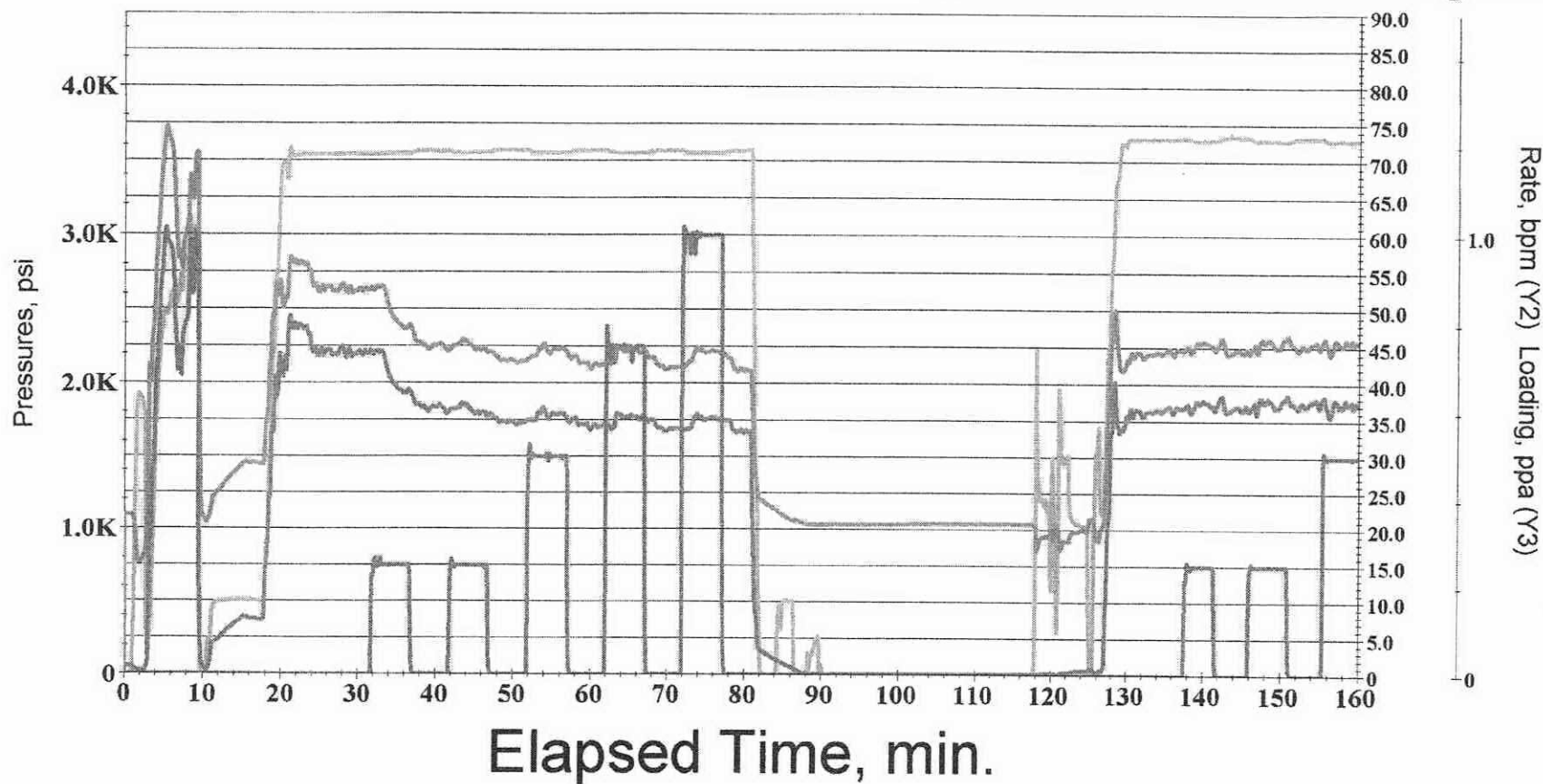
STAGE	CLEAN BBLs	DESIGN	FLUID TYPE	PRESSURE	RATE	PROP AMOUNT	DESIGN	CONC	TYPE
1	357		Slick Water	3052-2041	0-70	0.00			
2	47		Acid	2041-382	0-10	0.00			
3	952		Slick Water	382-2199	0-70	0.00			
4	357		Slick Water	2199-1922	0-70	3748.50		0.25	100-MESH
5	357		Slick Water	1922-1814	0-70	0.00			
6	357		Slick Water	1814-1785	0-70	3748.50		0.25	100-MESH
7	357		Slick Water	1785-1749	0-70	0.00			
8	357		Slick Water	1749-1728	0-70	7497.00		0.50	100-MESH
9	357		Slick Water	1728-1717	0-70	0.00			
10	357		Slick Water	1717-1752	0-70	11245.50		0.75	100-MESH
11	357		Slick Water	1752-1682	0-70	0.00			
12	357		Slick Water	1682-1750	0-70	14994.00		1.00	100-MESH
13	357		Slick Water	1750-852	0-70	0.00			
14	47		Acid	852-840	0-10	0.00			
15	952		Slick Water	840-1863	0-70	0.00			
16	357		Slick Water	1863-1825	0-70	3748.50		0.25	40/70 WHITE SAND
17	357		Slick Water	1825-1827	0-70	0.00			
18	357		Slick Water	1827-1928	0-70	3748.50		0.25	40/70 WHITE SAND
19	357		Slick Water	1928-1922	0-70	0.00			
20	357		Slick Water	1922-1844	0-70	7497.00		0.50	40/70 WHITE SAND
21	357		Slick Water	1844-1830	0-70	0.00			
22	357		Slick Water	1830-1898	0-70	11245.50		0.75	40/70 WHITE SAND
23	357		Slick Water	1898-1845	0-70	0.00			
24	357		Slick Water	1848-1893	0-70	14994.00		1.00	40/70 WHITE SAND
25	1243		Slick Water	1893-1235	0-70	0.00			
26						0.00			
27						0.00			

CurrentJobRpt.RPT

FINAL JOB TOTAL REPORT

STAGE #	CARRIER		FLA PUMPED	CONCENTRATION		WEIGHT		SLURRY		JOB AVERAGES			SOLIDS
	PUMPED	DESIGNED		PUMPED	DESIGNED	PUMPED	DESIGNED	PUMPED	DESIGNED	SLR-RATE	STP	BHP	
	BELS	BELS		gal	ppa	ppa	LBS	LBS	BELS	BELS	bpm	psi	
1	360.5	357.1	0.00	0.00	0.00	0.00	0.00	362.4	357.1	32.9	1437.48	2241.79	0.00
2	48.1	47.6	0.00	0.00	0.00	0.00	0.00	48.3	47.6	10.0	316.12	1352.48	0.00
3	929.7	952.4	0.00	0.00	0.00	1.46	0.00	931.7	952.4	59.1	1923.45	2473.70	0.00
4	356.5	357.1	0.00	0.25	0.25	3673.96	3750.00	360.4	361.2	70.9	2067.41	2508.46	0.25
5	350.1	357.1	0.00	0.00	0.00	28.17	0.00	350.2	357.1	71.2	1839.95	2265.30	0.00
6	358.4	357.1	0.00	0.24	0.25	3670.33	3750.00	362.3	361.2	71.0	1818.44	2250.98	0.24
7	356.6	357.1	0.00	0.00	0.00	26.88	0.00	356.7	357.1	71.3	1743.42	2164.30	0.00
8	362.7	357.1	0.00	0.49	0.50	7468.22	7500.00	370.7	365.2	71.1	1779.92	2219.12	0.49
9	353.0	357.1	0.00	0.00	0.00	52.55	0.00	353.1	357.1	71.3	1720.58	2142.65	0.01
10	349.7	357.1	0.00	0.74	0.75	10878.55	11250.00	361.2	369.3	71.1	1756.91	2205.00	0.74
11	349.0	357.1	0.00	0.01	0.00	154.65	0.00	349.3	357.1	71.3	1706.85	2131.87	0.02
12	358.3	357.1	0.00	0.98	1.00	14773.98	15000.00	374.2	373.3	71.0	1744.12	2197.29	0.98
13	496.2	357.1	0.00	0.00	0.00	42.61	0.00	493.8	357.1	23.1	164.83	1129.81	0.00
14	29.7	47.6	0.00	0.00	0.00	0.00	0.00	30.2	47.6	13.0	35.84	1006.73	0.00
15	735.0	952.4	0.00	0.00	0.00	3.80	0.00	736.5	952.4	67.6	1675.10	2128.23	0.00
16	281.3	357.1	0.00	0.24	0.25	2881.50	3750.00	284.4	361.2	72.9	1861.05	2264.27	0.24
17	318.6	357.1	0.00	0.00	0.00	37.16	0.00	318.7	357.1	73.3	1847.93	2239.81	0.00
18	369.0	357.1	0.00	0.24	0.25	3768.54	3750.00	373.0	361.2	72.9	1871.64	2273.76	0.24
19	324.3	357.1	0.00	0.00	0.00	20.79	0.00	324.4	357.1	73.2	1870.53	2264.08	0.00
20	344.5	357.1	0.00	0.50	0.50	7177.75	7500.00	352.1	365.2	72.9	1862.15	2275.71	0.50
21	308.9	357.1	0.00	0.01	0.00	143.16	0.00	309.1	357.1	73.3	1843.38	2237.24	0.02
22	355.1	357.1	0.00	0.74	0.75	10988.21	11250.00	366.7	369.2	72.8	1876.89	2299.13	0.74
23	299.1	357.1	0.00	0.01	0.00	181.18	0.00	299.5	357.1	73.3	1855.41	2249.26	0.02
24	378.2	357.1	0.00	0.97	1.00	15348.22	15000.00	394.7	373.3	72.9	1879.64	2310.03	0.97
25	1004.8	1243.0	0.00	0.00	0.00	13.06	0.00	1003.6	1243.0	56.0	3870.77	4689.02	0.00
FracJob	9368.7	9981.0	0.00	0.21	0.20	81334.71	82500.00	9456.3	10070.1	60.9	1796.56	2437.52	0.27
TotlJob	9777.2	10385.8	0.00	0.20	0.19	81334.71	82500.00	9866.9	10474.8	57.7	1745.08	2403.24	0.25
#####													

— BHP — STP — Qslr — Loading



— BHP — STP — Qslr — Loading

