

34-019-2-2414-00-00

CHESAPEAKE ENERGY CORPORATION			
ODNR FRAC INFORMATION SHEET			
WELL NAME	Jones A 33-13-4 10H		
COUNTY	Carroll	LOCATION LAT	40.599681
STAGE NUMBER	1	LONG	-80.969457

PRESSURES, PSI	Breakdown	7092
	MIN	8389
	MAX	9216
	AVERAGE	8893
	ISIP	5214
	5 MIN	4011

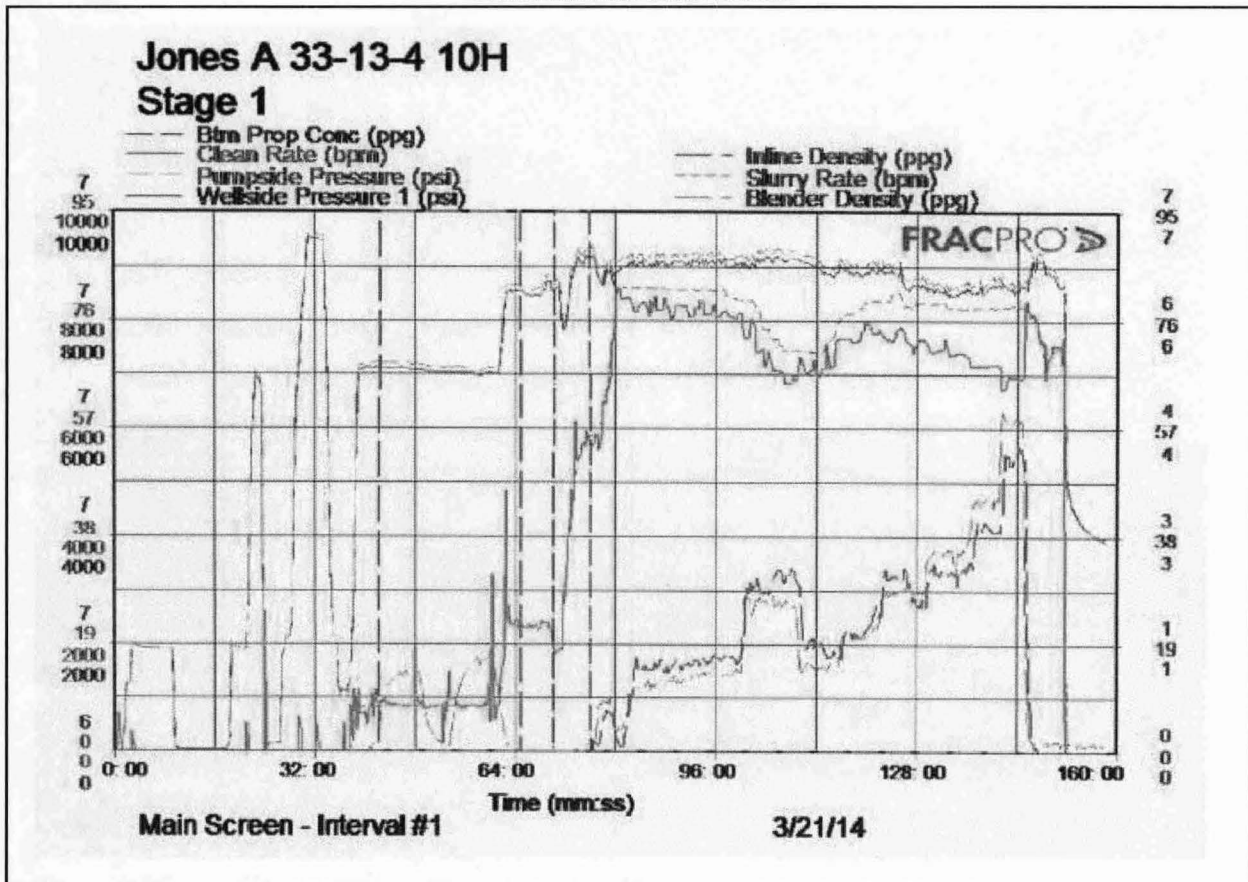
RATES, BPM	MIN	70
	MAX	82
	AVERAGE	78

FRAC FLUID TYPE	5726 bbls Fresh H2O
	323 bbls Recycled H2O

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	100420
30/50	232880
	333300

STAGE COST	
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PRESSURE AND RATE CHART





**Performance
TECHNOLOGIES**

FIELD TICKET

Job Number:

Well #: Jones A 33-13-4 10H

Stage: 1

Processing Office

Office Name: PERFORMANCE TECHNOLOGIES, LLC
Office Address: PO BOX 18837
OKLAHOMA CITY, OK 73154
405 262-2441
Phone:
Service Supervisor:
Order Date:

Field Ticket:
Office Number:

Customer Info

Customer Number:
Customer Name: CHESAPEAKE OPERATING, INC.
Customer Address: PO BOX 18496
OKLAHOMA CITY, OK 73154

Service Date: 3/21/14
PTL District: Canton

Approved by:

Item	DESCRIPTION	QTY	UOM	RATE	TOTAL
PTL_FSC	Stage Equipment Charge	1	Each		
PTL_MHC	Proppant Delivery	16665	Ton Mile		
PTL_MHC	Proppant Delivery	0	Load		
PTL_FPC	Fluid Pump Charge	255	Mgal		
PTL_PPC	Proppant Pump Charge	3333	CWT		
PTL3050	30/50 Mesh Northern White Sand	232880	LB		
PTL100Mesh	100 Mesh Northern White Sand	100420	LB		
PTLAI171	Corrosion Inhibitor	10	Gal		
PTLIS352	Iron Stabilizer	25	LB		
PTLMP136	15% HCl	5000	Gal		
PTLFR200	Friction Reducer	162	Gal		
EC6111A	Biocide	76	Gal		
PTLSI372	Scale Inhibitor	41	Gal		
PTLCS226	Clay Stabilizer	0	Gal		
PTLNE353	Surfactant	0	Gal		
PTLGL341	Liquid Slurry Gel (Guar)	564	Gal		
PTLCA102	Borate Crosslinker	105	Gal		
PTLBW102	Breaker	0	LB		
PTLBW112	Encapsulated Breaker	165	LB		
PTL_DAB	Dust Abatement Setup Charge	1	Each		
PTL_DAS	Dust Abatement Stage Charge	1	Each		
PTLMP188	Salt	0	Each		

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

WELL NAME	Jones A 33-13-4 10H		
COUNTY	Carroll	LOCATION LAT	40.599681
STAGE NUMBER	2	LONG	-80.969457

PRESSURES, PSI	Breakdown	8072
	MIN	8504
	MAX	9337
	AVERAGE	8828
	ISIP	5661
	5 MIN	4864

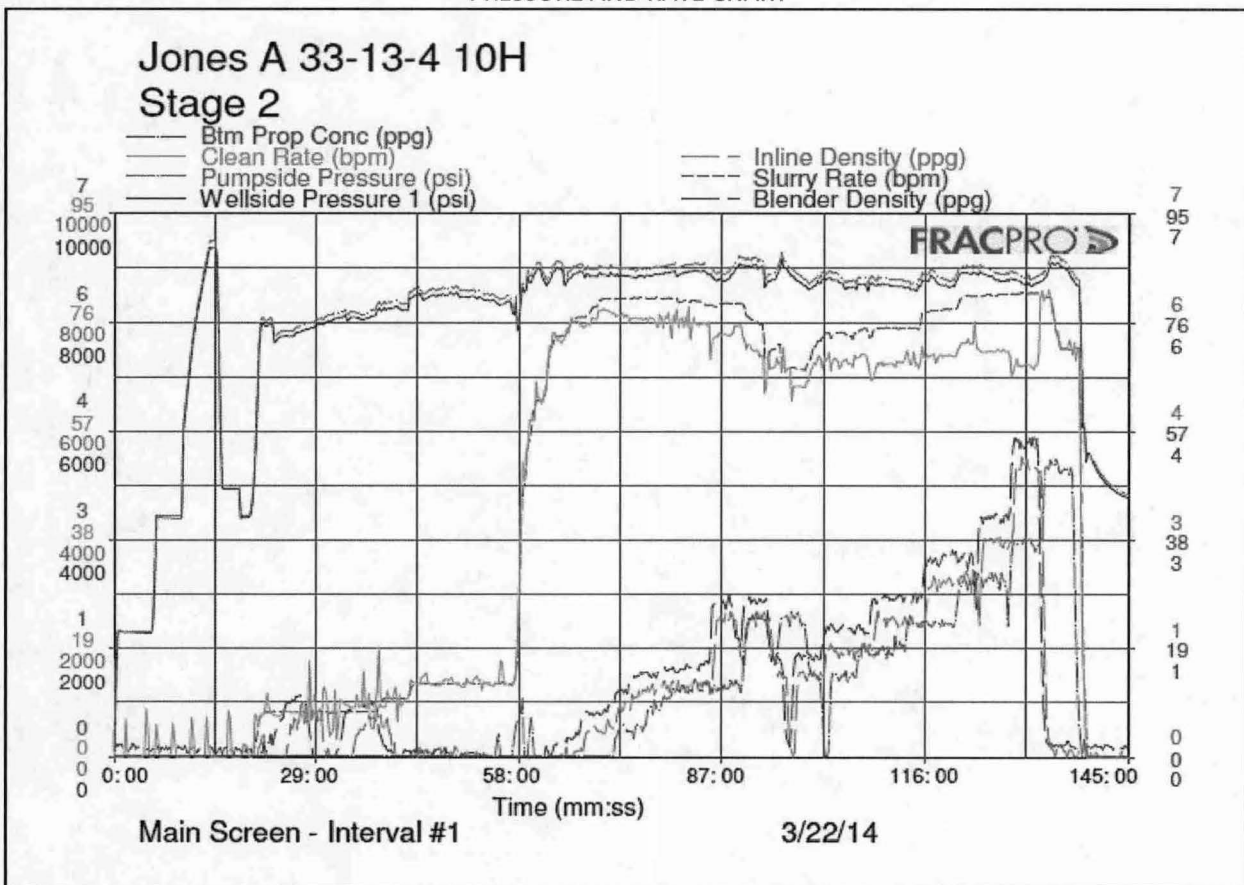
RATES, BPM	MIN	55
	MAX	81
	AVERAGE	76

FRAC FLUID TYPE	6157 bbls Fresh H2O	
	0 bbls Recycled H2O	

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	984880
30/50	233500
	1218380

STAGE COST	
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PRESSURE AND RATE CHART





Field Ticket

Job Number:

Well #:

JONES A 33-13-4 10H

Stage:

2

Processing Office

Office Name: PERFORMANCE TECHNOLOGIES, LLC

Office Address: PO BOX 18837
OKLAHOMA CITY, OK 73154

Phone: 405 262-2441

Service Supervisor:

Order Date: 3/13/2014

Service Date: 3/22/2014 1:02:00 AM

PTL District: Canton

Customer Info

Customer Number:

Customer Name: CHESAPEAKE OPERATING INC

Customer Address: PO BOX 18496
OKLAHOMA CITY, OK 731540000

Approved By:

Item	DESCRIPTION	QTY	U/M	RATE	TOTAL
PTL_FSC	STAGE EQUIPMENT CHARGE	1	STG		
PTL_MHC	PROPPANT DELIVERY CHARGE	16599	TM		
PTL_FPC	FLUID PUMP CHARGE	259	GAL		
PTL_PPC	PROPPANT PUMP CHARGE	3320	CWT		
PTL3050	30/50 MESH NORTHERN WHITE SAND	233500	LB		
PTL100	100 MESH NORTHERN WHITE SAND	98480	LB		
PTLAI161	CORROSION INHIBITOR	6	GAL		
PTLIS352	IRON STABILIZER	15	LB		
PTLMP136	15% HCL	3000	GAL		
PTLFR200	FRICTION REDUCER - COLD WATER	136	GAL		
EC6111A	BIOCIDE	79	GAL		
PTLSI372	SCALE INHIBITOR	39	GAL		
PTLGL240	GUAR SLURRY GEL	604	GAL		
PTLCA102	BORATE CROSSLINKER - INSTANT	102	GAL		
PTLBW112	BREAKER (DRY)	110	LB		
PTL_DAS	DUST ABATEMENT STAGE CHARGE	1			

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

WELL NAME	Jones A 33-13-4 10H		
COUNTY	Carroll	LOCATION LAT	40.599681
STAGE NUMBER	3	LONG	-80.969457

PRESSURES, PSI	Breakdown	7589
	MIN	8393
	MAX	9222
	AVERAGE	8749
	ISIP	5585
	5 MIN	4510

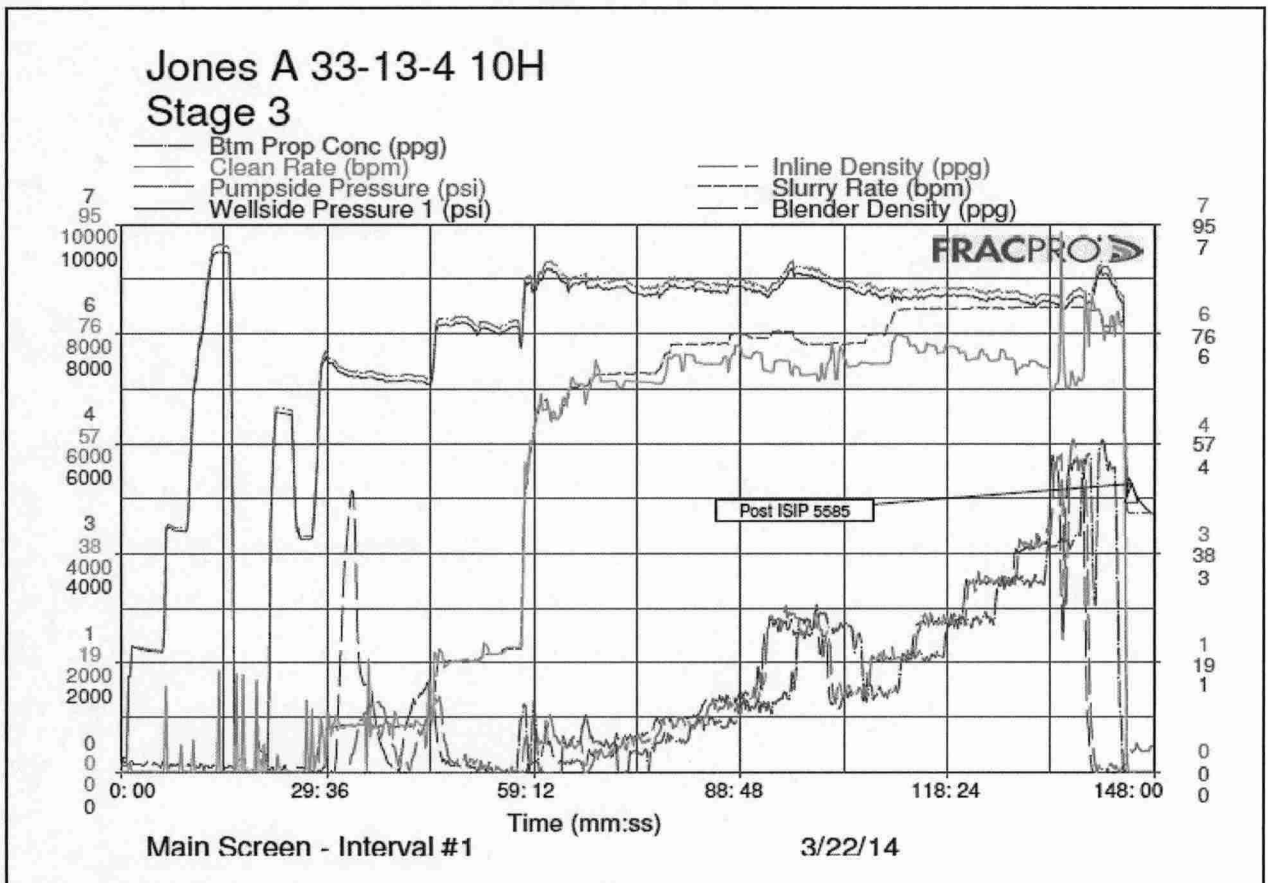
RATES, BPM	MIN	67
	MAX	81
	AVERAGE	76

FRAC FLUID TYPE	5992 bbls Fresh H2O
	473 bbls Recycled H2O

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	100120
30/50	234940
	335060

STAGE COST	
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PRESSURE AND RATE CHART





Field Ticket

Job Number:

Well #:

JONES A 33-13-4 10H

Stage: 3

Processing Office

Office Name: PERFORMANCE TECHNOLOGIES, LLC

Office Address: PO BOX 18837
OKLAHOMA CITY, OK 73154

Phone: 405 262-2441

Service Supervisor:

Order Date: 3/13/2014

Service Date: 3/22/2014 6:48:00 AM

PTL District: Canton

Customer Info

Customer Number:

Customer Name: CHESAPEAKE OPERATING INC

Customer Address: PO BOX 18496
OKLAHOMA CITY, OK 731540000

Approved By:

Item	DESCRIPTION	QTY	U/M	RATE	TOTAL
PTL_FSC	STAGE EQUIPMENT CHARGE	1	STG		
PTL_MHC	PROPPANT DELIVERY CHARGE	16753	TM		
PTL_FPC	FLUID PUMP CHARGE	273	GAL		
PTL_PPC	PROPPANT PUMP CHARGE	3351	CWT		
PTL3050	30/50 MESH NORTHERN WHITE SAND	234940	LB		
PTL100	100 MESH NORTHERN WHITE SAND	100120	LB		
PTLAI161	CORROSION INHIBITOR	6	GAL		
PTLIS352	IRON STABILIZER	15	LB		
PTLMP136	15% HCL	3000	GAL		
PTLFR200	FRICTION REDUCER - COLD WATER	112	GAL		
EC6111A	BIOCIDE	75	GAL		
PTLSI372	SCALE INHIBITOR	41	GAL		
PTLGL240	GUAR SLURRY GEL	611	GAL		
PTLCA102	BORATE CROSSLINKER - INSTANT	101	GAL		
PTLBW112	BREAKER (DRY)	165	LB		
PTL_DAS	DUST ABATEMENT STAGE CHARGE	1			

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

WELL NAME	Jones A 33-13-4 10H		
COUNTY	Carroll	LOCATION LAT	40.599681
STAGE NUMBER	4	LONG	-80.969457

PRESSURES, PSI	Breakdown	7676
	MIN	8607
	MAX	9209
	AVERAGE	8857
	ISIP	6109
	5 MIN	5145

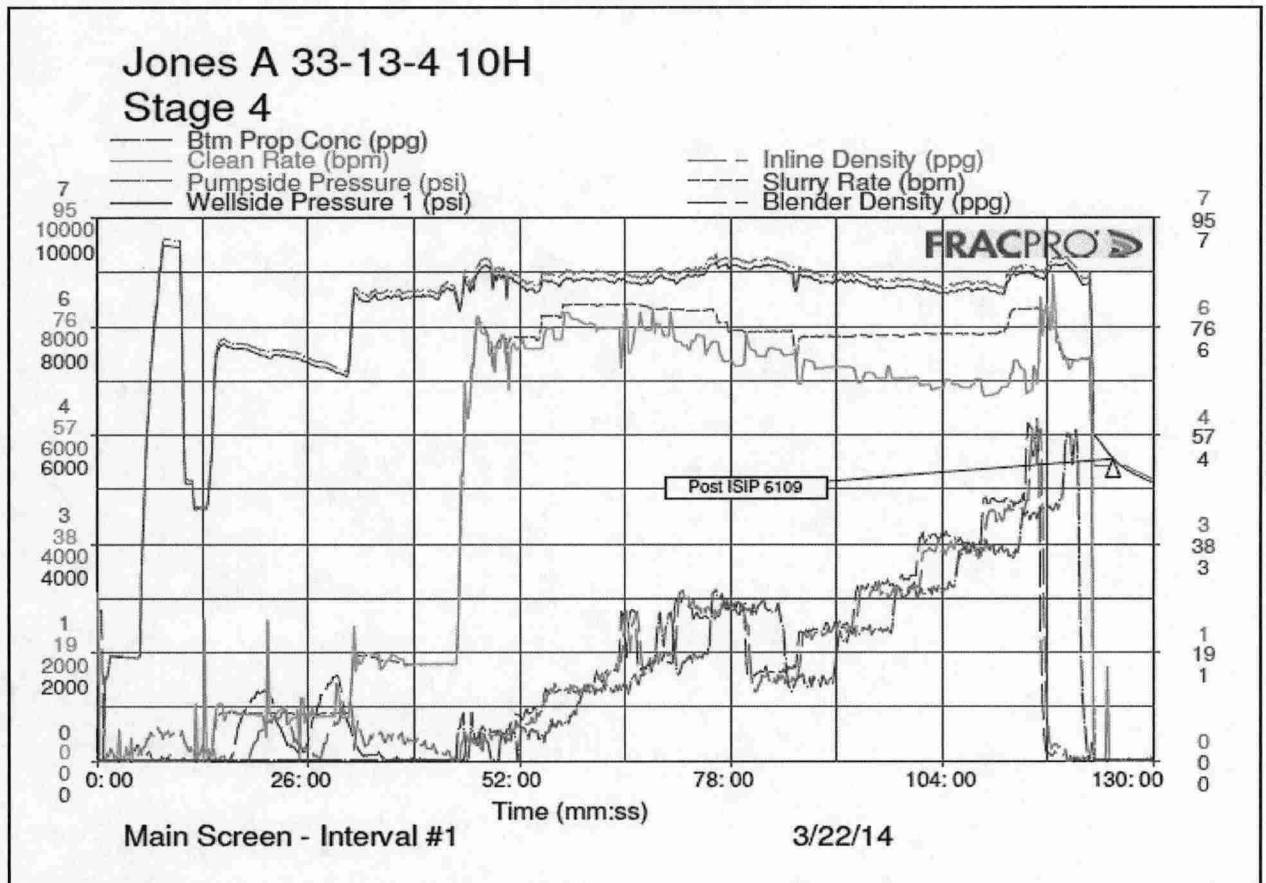
RATES, BPM	MIN	68
	MAX	80
	AVERAGE	76

FRAC FLUID TYPE	5312 bbls Fresh H2O
	358 bbls Recycled H2O

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	99360
30/50	231714
	331074

STAGE COST	
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PRESSURE AND RATE CHART





FIELD TICKET

Job Number:

Well #: Jones A 33-13-4 10H

Stage: 4

Processing Office

Office Name: PERFORMANCE TECHNOLOGIES, LLC
Office Address: PO BOX 18837
OKLAHOMA CITY, OK 73154
Phone: 405 262-2441
Service Supervisor:
Order Date:

Service Date: 3/22/14
PTL District: Canton

Customer Info

Customer Number:
Customer Name: CHESAPEAKE OPERATING, INC.
Customer Address: PO BOX 18496
OKLAHOMA CITY, OK 73154

Approved by:

Item	DESCRIPTION	QTY	UOM	RATE	TOTAL
PTL_FSC	Stage Equipment Charge	1	Each		
PTL_MHC	Proppant Delivery	16554	Ton Mile		
PTL_MHC	Proppant Delivery	0	Load		
PTL_FPC	Fluid Pump Charge	247	Mgal		
PTL_PPC	Proppant Pump Charge	3311	CWT		
PTL3050	30/50 Mesh Northern White Sand	231720	LB		
PTL100Mesh	100 Mesh Northern White Sand	99360	LB		
PTLAI171	Corrosion Inhibitor	6	Gal		
PTLIS352	Iron Stabilizer	15	LB		
PTLMP136	15% HCl	3000	Gal		
PTLFR200	Friction Reducer	127	Gal		
EC6111A	Biocide	70	Gal		
PTLSI372	Scale Inhibitor	34	Gal		
PTLCS226	Clay Stabilizer	0	Gal		
PTLNE353	Surfactant	0	Gal		
PTLGL341	Liquid Slurry Gel (Guar)	600	Gal		
PTLCA102	Borate Crosslinker	101	Gal		
PTLBW102	Breaker	0	LB		
PTLBW112	Encapsulated Breaker	165	LB		
PTL_DAB	Dust Abatement Setup Charge	0	Each		
PTL_DAS	Dust Abatement Stage Charge	1	Each		
PTLMP188	Salt	0	Each		

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

WELL NAME	Jones A 33-13-4 10H		
COUNTY	Carroll	LOCATION LAT	40.599681
STAGE NUMBER	5	LONG	-80.969457

PRESSURES, PSI	Breakdown	7128
	MIN	8737
	MAX	9269
	AVERAGE	8950
	ISIP	6031
	5 MIN	5423

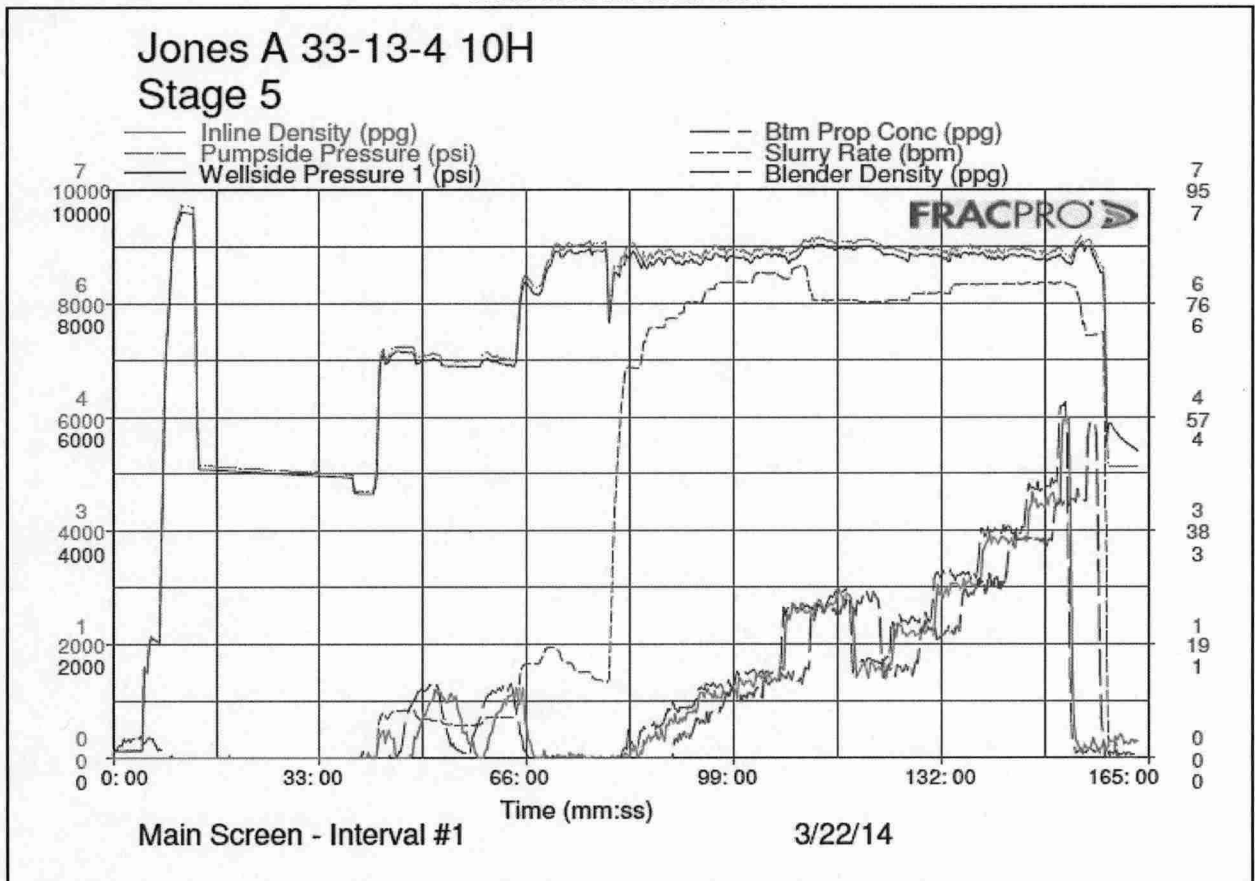
RATES, BPM	MIN	65
	MAX	82
	AVERAGE	77

FRAC FLUID TYPE	5671 bbls Fresh H2O	
	379 bbls Recycled H2O	

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	101500
30/50	234000
	335500

STAGE COST	
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PRESSURE AND RATE CHART





Field Ticket

Job Number:

Well #:

JONES A 33-13-4 10H

Stage:

5

Processing Office

Office Name: PERFORMANCE TECHNOLOGIES, LLC

Office Address: PO BOX 18837
OKLAHOMA CITY, OK 73154

Phone: 405 262-2441

Service Supervisor:

Order Date: 3/13/2014

Service Date: 3/22/2014 5:57:00 PM

PTL District: Canton

Customer Info

Customer Number:

Customer Name: CHESAPEAKE OPERATING INC

Customer Address: PO BOX 18498
OKLAHOMA CITY, OK 731540000

Approved By:

Item	DESCRIPTION	QTY	U/M	RATE	TOTAL
PTL_FSC	STAGE EQUIPMENT CHARGE	1	STG		
PTL_MHC	PROPPANT DELIVERY CHARGE	16775	TM		
PTL_FPC	FLUID PUMP CHARGE	254	GAL		
PTL_PPC	PROPPANT PUMP CHARGE	3355	CWT		
PTL3050	30/50 MESH NORTHERN WHITE SAND	234000	LB		
PTL100	100 MESH NORTHERN WHITE SAND	101500	LB		
PTLAH61	CORROSION INHIBITOR	6	GAL		
PTLIS352	IRON STABILIZER	15	LB		
PTLMP138	15% HCL	3000	GAL		
PTLFR200	FRICTION REDUCER - COLD WATER	123	GAL		
EC8111A	BIOCIDE	76	GAL		
PTLSI372	SCALE INHIBITOR	43	GAL		
PTLGL240	GUAR SLURRY GEL	575	GAL		
PTLCA102	BORATE CROSSLINKER - INSTANT	99	GAL		
PTLBW112	BREAKER (DRY)	168	LB		
PTL_DAS	DUST ABATEMENT STAGE CHARGE	1			

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

WELL NAME	Jones A 33-13-4 10H		
COUNTY	Carroll	LOCATION LAT	40.599681
STAGE NUMBER	6	LONG	-80.969457

PRESSURES, PSI	Breakdown	7753
	MIN	8676
	MAX	9250
	AVERAGE	8911
	ISIP	6224
	5 MIN	5566

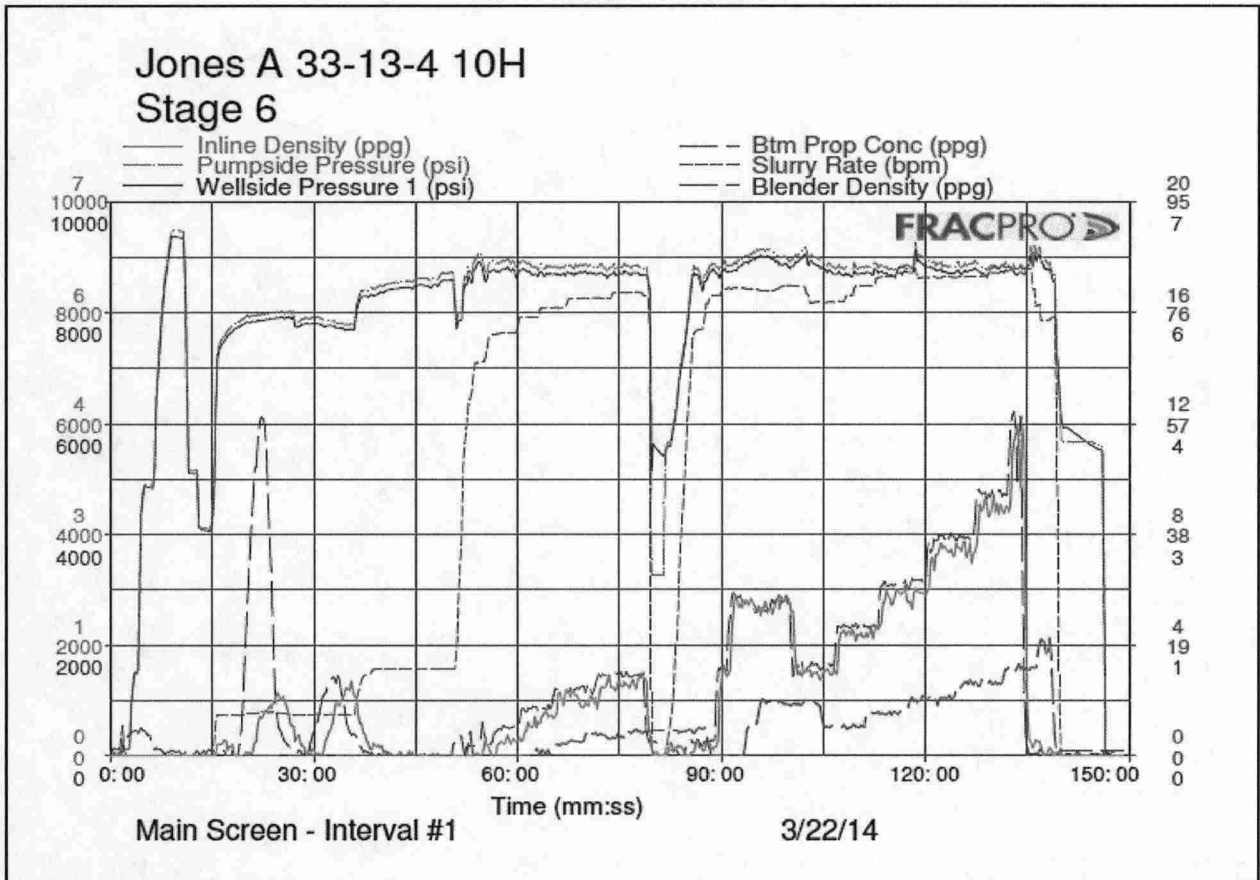
RATES, BPM	MIN	77
	MAX	83
	AVERAGE	80

FRAC FLUID TYPE	6154 bbls Fresh H2O
	407 bbls Recycled H2O

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	100020
30/50	233170
	333190

STAGE COST	
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PRESSURE AND RATE CHART





FIELD TICKET

Job Number:

Well #: Jones A 33-13-4 10H

Stage: 6

Processing Office

Office Name: PERFORMANCE TECHNOLOGIES, LLC
Office Address: PO BOX 18837
OKLAHOMA CITY, OK 73154
Phone: 405 262-2441
Service Supervisor:
Order Date:

Service Date: 3/22/14
PTL District: Canton
AFE #: 173767

Customer Info

Customer Number:
Customer Name: CHESAPEAKE OPERATING, INC.
Customer Address: PO BOX 18496
OKLAHOMA CITY, OK 73154

Approved by:

Item	DESCRIPTION	QTY	UOM	RATE	TOTAL
PTL_FSC	Stage Equipment Charge	1	Each		
PTL_MHC	Proppant Delivery	16660	Ton Mile		
PTL_MHC	Proppant Delivery	0	Load		
PTL_FPC	Fluid Pump Charge	276	Mgal		
PTL_PPC	Proppant Pump Charge	3332	CWT		
PTL3050	30/50 Mesh Northern White Sand	233170	LB		
PTL100Mesh	100 Mesh Northern White Sand	100020	LB		
PTLAI171	Corrosion Inhibitor	6	Gal		
PTLIS352	Iron Stabilizer	15	LB		
PTLMP136	15% HCl	3000	Gal		
PTLFR200	Friction Reducer	156	Gal		
EC6111A	Biocide	75	Gal		
PTLSI372	Scale Inhibitor	37	Gal		
PTLCS226	Clay Stabilizer	0	Gal		
PTLNE353	Surfactant	0	Gal		
PTLGL341	Liquid Slurry Gel (Guar)	666	Gal		
PTLCA102	Borate Crosslinker	102	Gal		
PTLBW102	Breaker	0	LB		
PTLBW112	Encapsulated Breaker	177	LB		
PTL_DAB	Dust Abatement Setup Charge	0	Each		
PTL_DAS	Dust Abatement Stage Charge	1	Each		
PTLMP188	Salt	0	Each		

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

WELL NAME	Jones A 33-13-4 10H		
COUNTY	Carroll	LOCATION LAT	40.599681
STAGE NUMBER	7	LONG	-80.969457

PRESSURES, PSI	Breakdown	8254
	MIN	8609
	MAX	9212
	AVERAGE	8891
	ISIP	5949
	5 MIN	5353

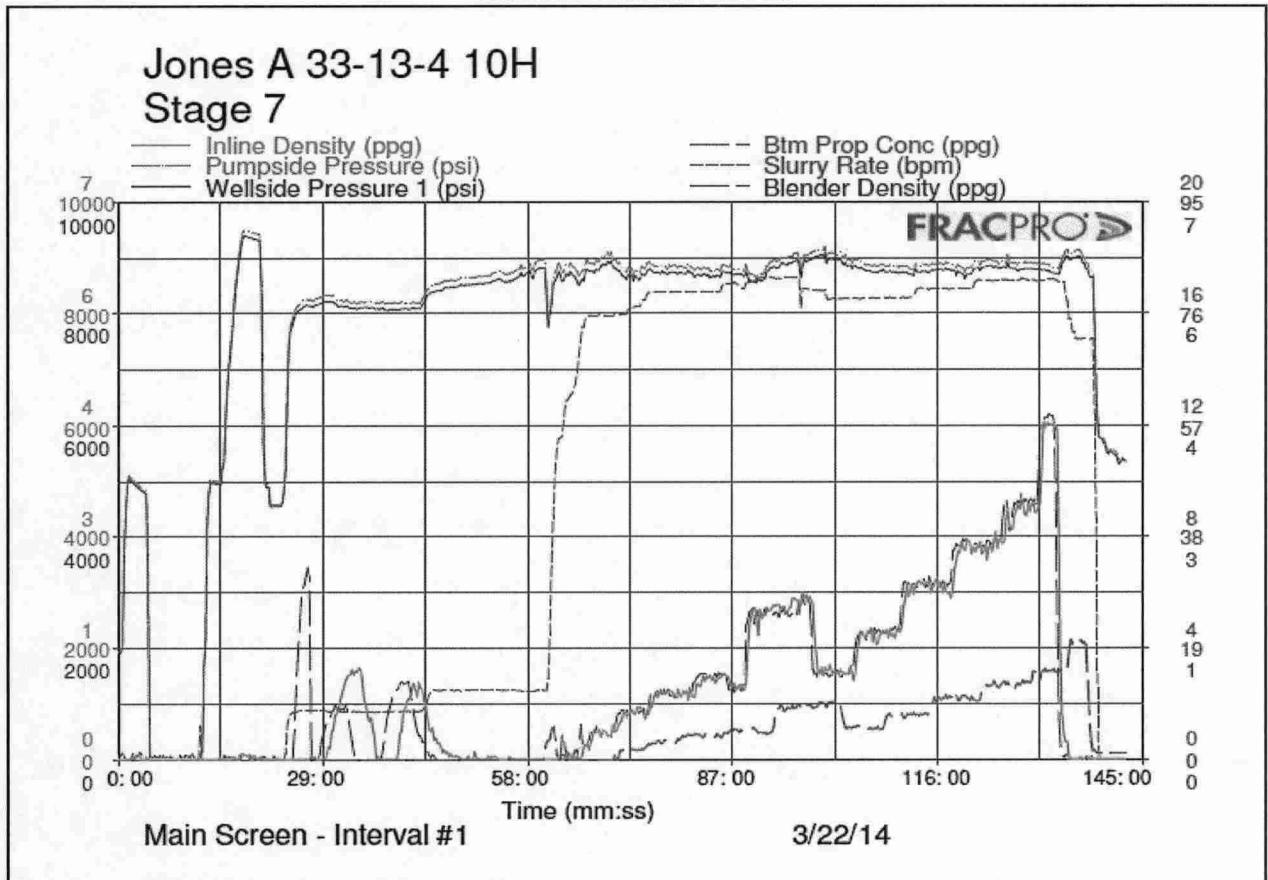
RATES, BPM	MIN	74
	MAX	82
	AVERAGE	80

FRAC FLUID TYPE	5793 bbls Fresh H2O
	254 bbls Recycled H2O

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	100660
30/50	232360
	333020

STAGE COST	
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PRESSURE AND RATE CHART





FIELD TICKET

Job Number:

Well #: Jones A 33-13-4 10H

Stage: 7

Processing Office

Office Name: PERFORMANCE TECHNOLOGIES, LLC
Office Address: PO BOX 18837
OKLAHOMA CITY, OK 73154
Phone: 405 262-2441
Service Supervisor:
Order Date:

Service Date: 3/23/14
PTL District: Canton

Customer Info

Customer Number:
Customer Name: CHESAPEAKE OPERATING, INC.
Customer Address: PO BOX 18496
OKLAHOMA CITY, OK 73154

Approved by:

Item	DESCRIPTION	QTY	UOM	RATE	TOTAL
PTL_FSC	Stage Equipment Charge	1	Each		
PTL_MHC	Proppant Delivery	16651	Ton Mile		
PTL_MHC	Proppant Delivery	0	Load		
PTL_FPC	Fluid Pump Charge	255	Mgal		
PTL_PPC	Proppant Pump Charge	3330	CWT		
PTL3050	30/50 Mesh Northern White Sand	232360	LB		
PTL100Mesh	100 Mesh Northern White Sand	100660	LB		
PTLAI171	Corrosion Inhibitor	6	Gal		
PTLIS352	Iron Stabilizer	15	LB		
PTLMP136	15% HCl	3000	Gal		
PTLFR200	Friction Reducer	115	Gal		
EC6111A	Biocide	68	Gal		
PTLSI372	Scale Inhibitor	33	Gal		
PTLCS226	Clay Stabilizer	0	Gal		
PTLNE353	Surfactant	0	Gal		
PTLGL341	Liquid Slurry Gel (Guar)	563	Gal		
PTLCA102	Borate Crosslinker	97	Gal		
PTLBW102	Breaker	0	LB		
PTLBW112	Encapsulated Breaker	165	LB		
PTL_DAB	Dust Abatement Setup Charge	0	Each		
PTL_DAS	Dust Abatement Stage Charge	1	Each		
PTLMP188	Salt	0	Each		

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

WELL NAME	Jones A 33-13-4 10H		
COUNTY	Carroll	LOCATION LAT	40.599681
STAGE NUMBER	8	LONG	-80.969457

PRESSURES, PSI	Breakdown	7822
	MIN	8722
	MAX	9259
	AVERAGE	8939
	ISIP	6391
	5 MIN	5625

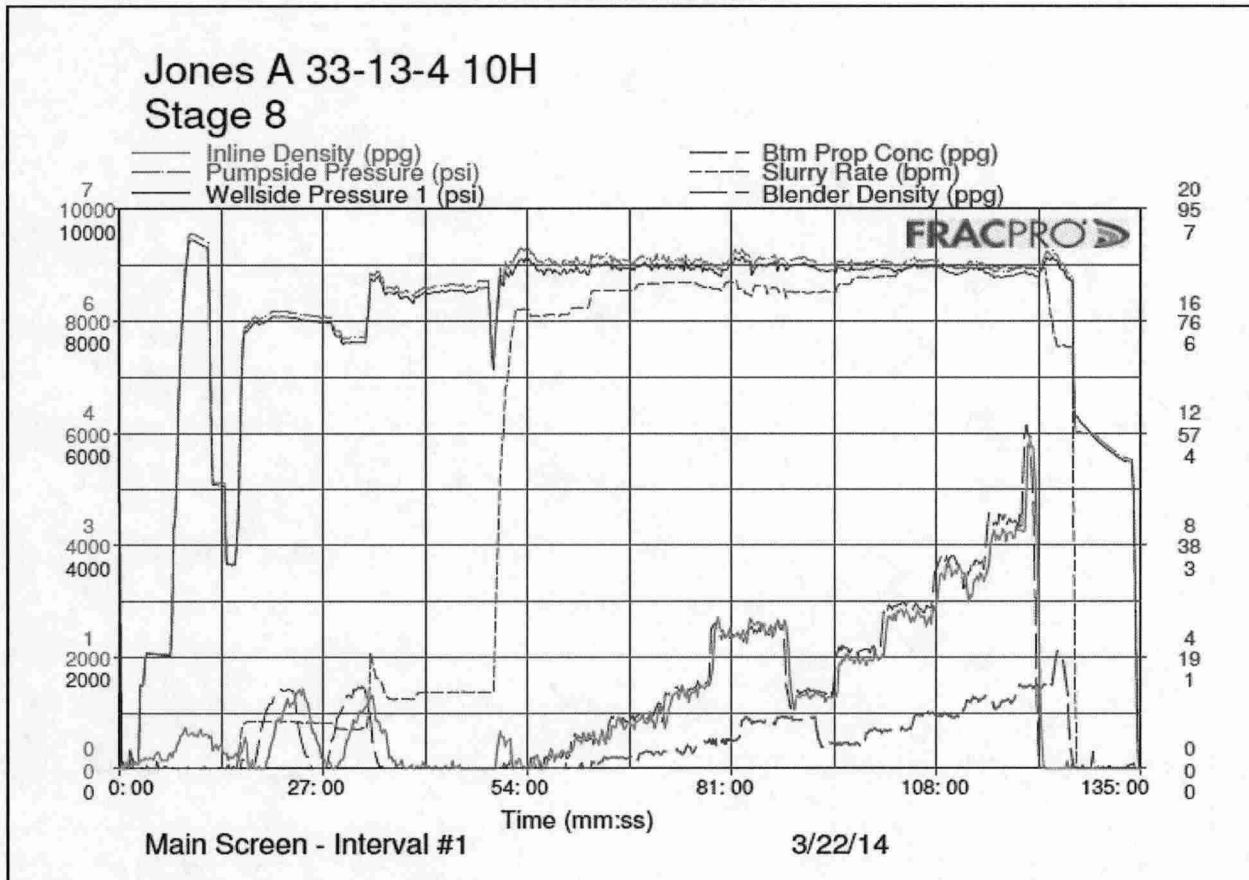
RATES, BPM	MIN	77
	MAX	85
	AVERAGE	82

FRAC FLUID TYPE	5793 bbls Fresh H2O
	342 bbls Recycled H2O

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	101900
30/50	232380
	334280

STAGE COST	
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PRESSURE AND RATE CHART





FIELD TICKET

Job Number:

Well #: Jones A 33-13-4 10H

Stage: 8

Processing Office

Office Name: PERFORMANCE TECHNOLOGIES, LLC
Office Address: PO BOX 18837
OKLAHOMA CITY, OK 73154
Phone: 405 262-2441
Service Supervisor:
Order Date:

Service Date: 3/23/14
PTL District: Canton

Customer Info

Customer Number:
Customer Name: CHESAPEAKE OPERATING, INC.
Customer Address: PO BOX 18496
OKLAHOMA CITY, OK 73154

Approved by:

Item	DESCRIPTION	QTY	UOM	RATE	TOTAL
PTL_FSC	Stage Equipment Charge	1	Each		
PTL_MHC	Proppant Delivery	16714	Ton Mile		
PTL_MHC	Proppant Delivery	0	Load		
PTL_FPC	Fluid Pump Charge	259	Mgal		
PTL_PPC	Proppant Pump Charge	3343	CWT		
PTL3050	30/50 Mesh Northern White Sand	232380	LB		
PTL100Mesh	100 Mesh Northern White Sand	101900	LB		
PTLAI171	Corrosion Inhibitor	6	Gal		
PTLIS352	Iron Stabilizer	15	LB		
PTLMP136	15% HCl	3000	Gal		
PTLFR200	Friction Reducer	113	Gal		
EC6111A	Biocide	73	Gal		
PTLSI372	Scale Inhibitor	33	Gal		
PTLCS226	Clay Stabilizer	0	Gal		
PTLNE353	Surfactant	0	Gal		
PTLGL341	Liquid Slurry Gel (Guar)	567	Gal		
PTLCA102	Borate Crosslinker	99	Gal		
PTLBW102	Breaker	0	LB		
PTLBW112	Encapsulated Breaker	165	LB		
PTL_DAB	Dust Abatement Setup Charge	0	Each		
PTL_DAS	Dust Abatement Stage Charge	1	Each		
PTLMP188	Salt	0	Each		

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

WELL NAME	Jones A 33-13-4 10H		
COUNTY	Carroll	LOCATION LAT	40.599681
STAGE NUMBER	9	LONG	-80.969457

PRESSURES, PSI	Breakdown	7855
	MIN	8458
	MAX	9198
	AVERAGE	8907
	ISIP	6090
	5 MIN	5550

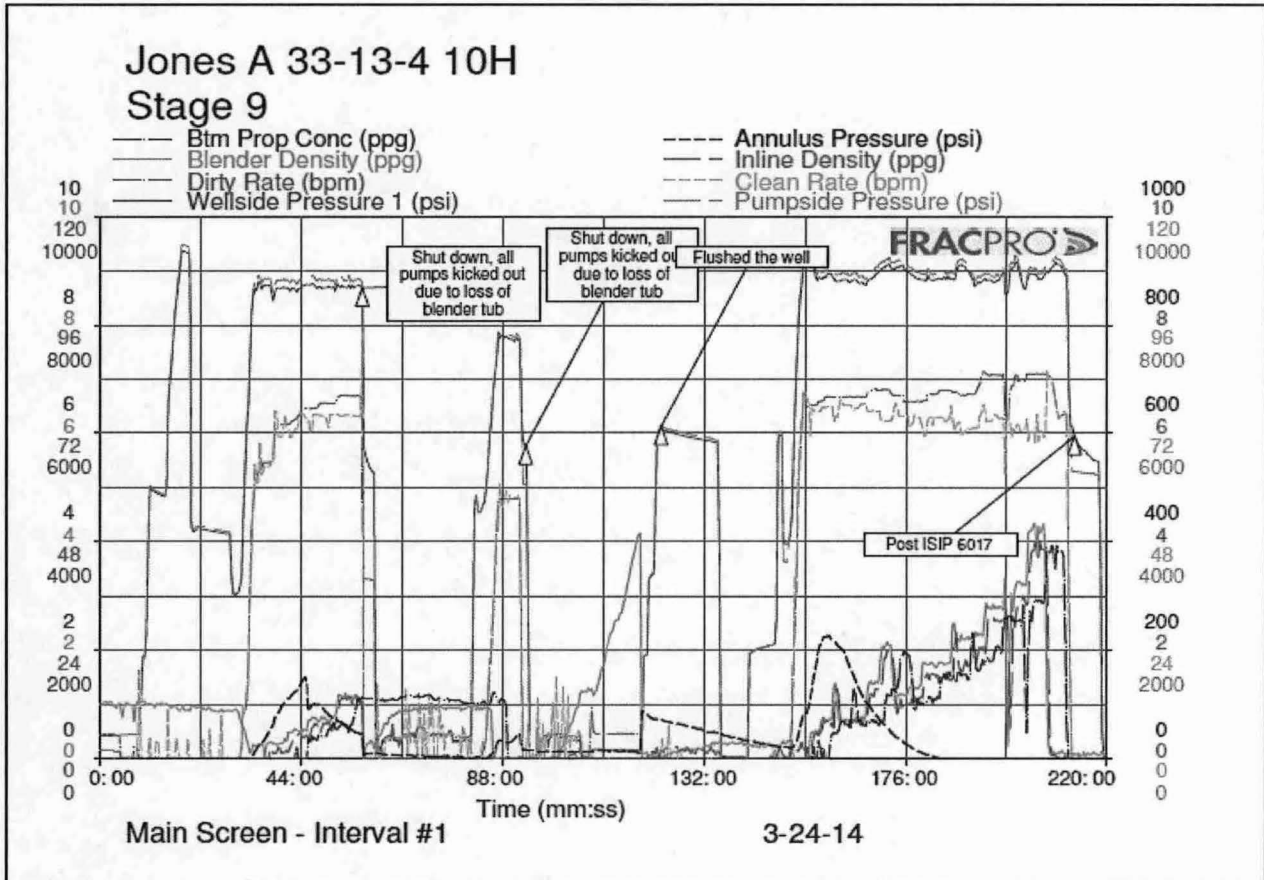
RATES, BPM	MIN	74
	MAX	86
	AVERAGE	81

FRAC FLUID TYPE	7070 bbls Fresh H2O
	286 bbls Recycled H2O

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	101980
30/50	233360
	335340

STAGE COST	
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PRESSURE AND RATE CHART





FIELD TICKET

Job Number:

Well #: Jones A 33-13-4 10H

Stage: 9

Processing Office

Office Name: PERFORMANCE TECHNOLOGIES, LLC
Office Address: PO BOX 18837
OKLAHOMA CITY, OK 73154
Phone: 405 262-2441
Service Supervisor:
Order Date:

Service Date: 3/23/14
PTL District: Canton

Customer Info

Customer Number:
Customer Name: CHESAPEAKE OPERATING, INC.
Customer Address: PO BOX 18496
OKLAHOMA CITY, OK 73154

Approved by:

Item	DESCRIPTION	QTY	UOM	RATE	TOTAL
PTL_FSC	Stage Equipment Charge	1	Each		
PTL_MHC	Proppant Delivery	16767	Ton Mile		
PTL_MHC	Proppant Delivery	0	Load		
PTL_FPC	Fluid Pump Charge	309	Mgal		
PTL_PPC	Proppant Pump Charge	3353	CWT		
PTL3050	30/50 Mesh Northern White Sand	233360	LB		
PTL100Mesh	100 Mesh Northern White Sand	101980	LB		
PTLAI171	Corrosion Inhibitor	6	Gal		
PTLIS352	Iron Stabilizer	15	LB		
PTLMP136	15% HCl	3000	Gal		
PTLFR200	Friction Reducer	191	Gal		
EC6111A	Biocide	89	Gal		
PTLSI372	Scale Inhibitor	38	Gal		
PTLCS226	Clay Stabilizer	0	Gal		
PTLNE353	Surfactant	0	Gal		
PTLGL341	Liquid Slurry Gel (Guar)	710	Gal		
PTLCA102	Borate Crosslinker	104	Gal		
PTLBW102	Breaker	0	LB		
PTLBW112	Encapsulated Breaker	165	LB		
PTL_DAB	Dust Abatement Setup Charge	0	Each		
PTL_DAS	Dust Abatement Stage Charge	1	Each		

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

WELL NAME	Jones A 33-13-4 10H		
COUNTY	Carroll	LOCATION LAT	40.599681
STAGE NUMBER	10	LONG	-80.969457

PRESSURES, PSI	Breakdown	7740
	MIN	8603
	MAX	9203
	AVERAGE	8927
	ISIP	6323
	5 MIN	5608

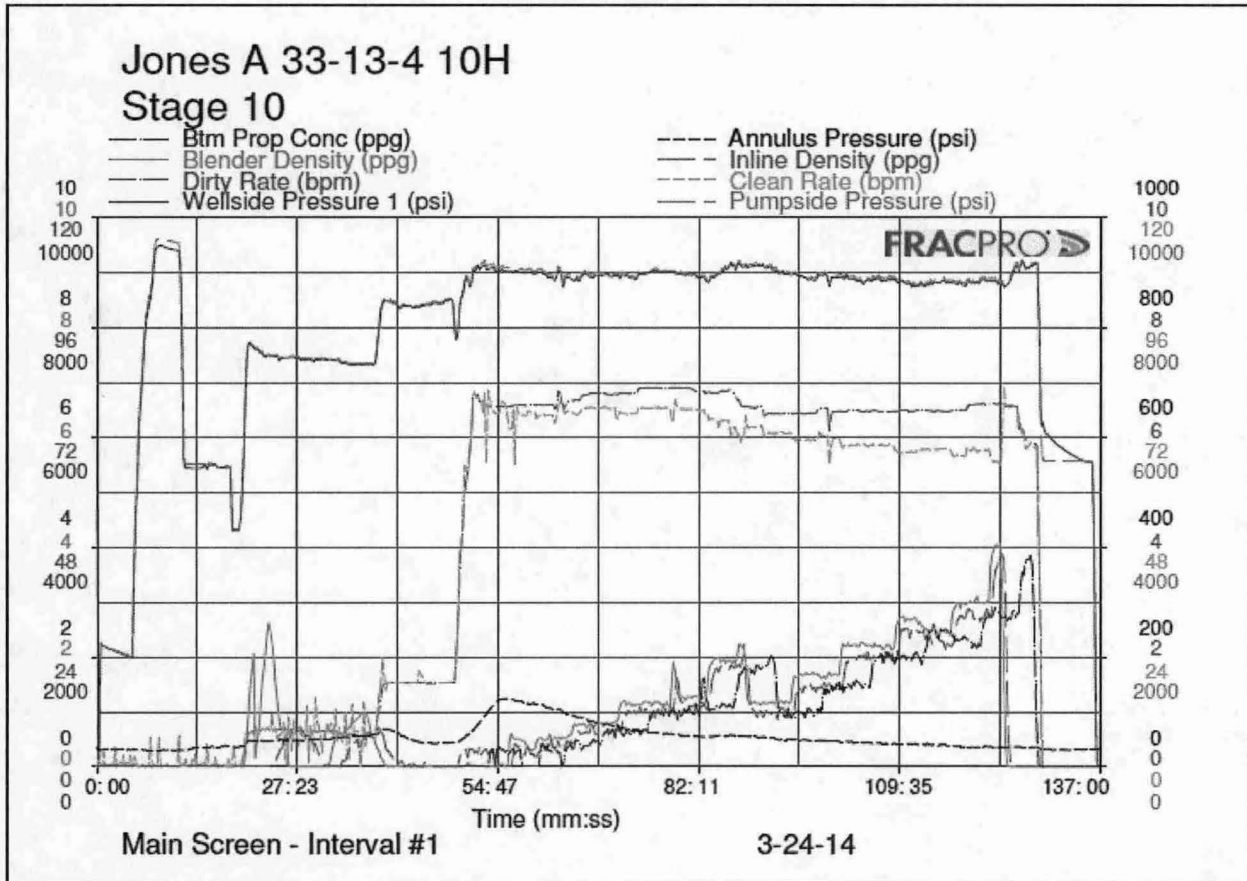
RATES, BPM	MIN	73
	MAX	83
	AVERAGE	79

FRAC FLUID TYPE	5767 bbls Fresh H2O
	420 bbls Recycled H2O

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	103020
30/50	233320
	336340

STAGE COST	
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PRESSURE AND RATE CHART





Field Ticket

Job Number:

Well #:

JONES A 33-13-4 10H

Stage: 10

Processing Office

Office Name: PERFORMANCE TECHNOLOGIES, LLC

Office Address: PO BOX 18837
OKLAHOMA CITY, OK 73154

Phone: 405 262-2441

Service Supervisor:

Order Date: 3/13/2014

Service Date: 3/24/2014 12:00:00 PM

PTL District: Canton

Customer Info

Customer Number:

Customer Name: CHESAPEAKE OPERATING INC

Customer Address: PO BOX 18496
OKLAHOMA CITY, OK 731540000

Approved By:

Item	DESCRIPTION	QTY	U/M	RATE	TOTAL
PTL_FSC	STAGE EQUIPMENT CHARGE	1	STG		
PTL_MHC	PROPPANT DELIVERY CHARGE	16808	TM		
PTL_FPC	FLUID PUMP CHARGE	261	GAL		
PTL_PPC	PROPPANT PUMP CHARGE	3362	CWT		
PTL3050	30/50 MESH NORTHERN WHITE SAND	233140	LB		
PTL100	100 MESH NORTHERN WHITE SAND	103020	LB		
PTLAI161	CORROSION INHIBITOR	6	GAL		
PTLIS352	IRON STABILIZER	15	LB		
PTLMP136	15% HCL	3000	GAL		
PTLFR200	FRICTION REDUCER - COLD WATER	130	GAL		
EC6111A	BIOCIDE	75	GAL		
PTLSI372	SCALE INHIBITOR	36	GAL		
PTLGL240	GUAR SLURRY GEL	508	GAL		
PTLCA102	BORATE CROSSLINKER - INSTANT	97	GAL		
PTLBW112	BREAKER (DRY)	165	LB		
PTL_DAS	DUST ABATEMENT STAGE CHARGE	1			

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

WELL NAME	Jones A 33-13-4 10H		
COUNTY	Carroll	LOCATION LAT	40.599681
STAGE NUMBER	11	LONG	-80.969457

PRESSURES, PSI	Breakdown	7725
	MIN	8121
	MAX	9148
	AVERAGE	8729
	ISIP	5961
	5 MIN	5472

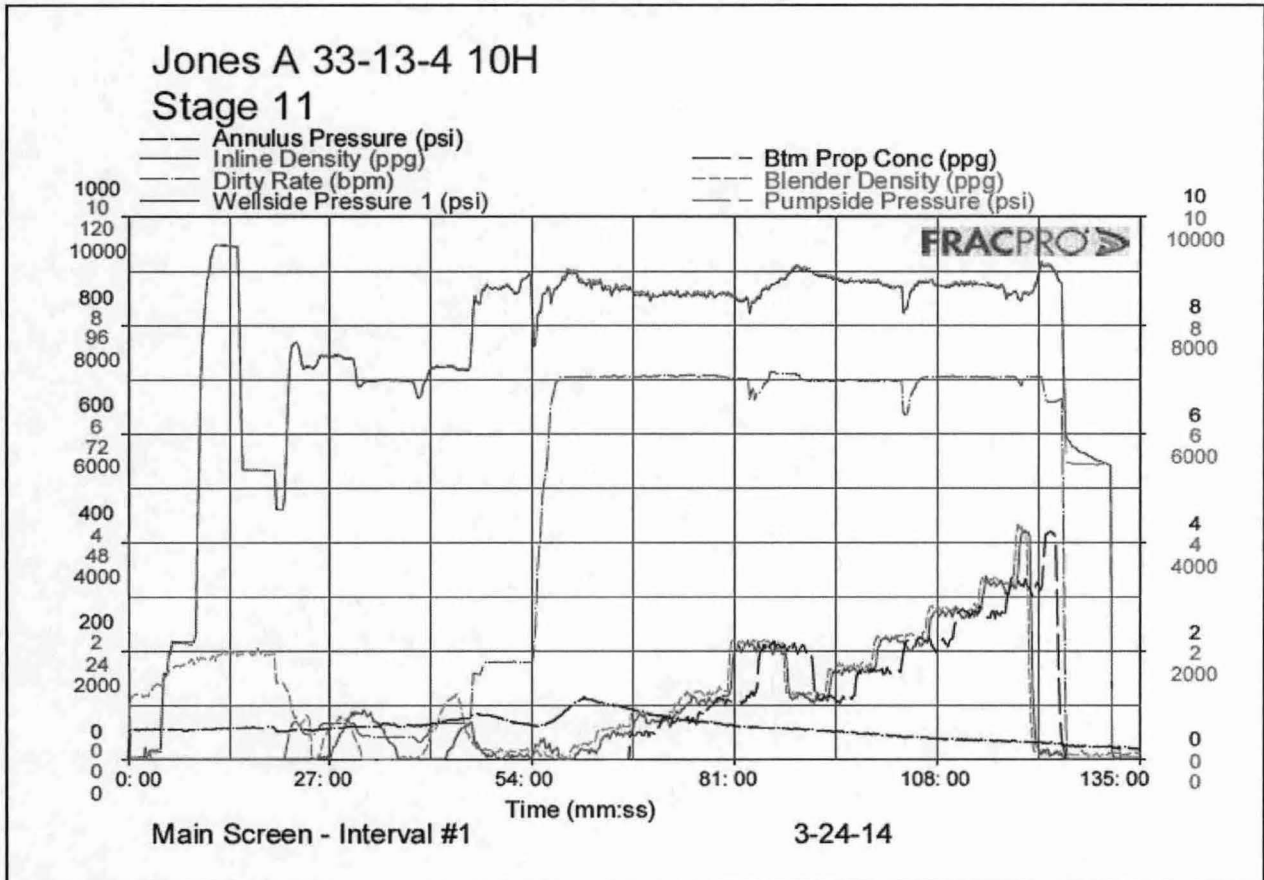
RATES, BPM	MIN	65
	MAX	86
	AVERAGE	78

FRAC FLUID TYPE	5831 bbls Fresh H2O
	0 bbls Recycled H2O

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	100920
30/50	231340
	332260

STAGE COST	
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PRESSURE AND RATE CHART





FIELD TICKET

Job Number:

Well #: Jones A 33-13-4 10H

Stage: 11

Processing Office

Office Name: PERFORMANCE TECHNOLOGIES, LLC
 Office Address: PO BOX 18837
 OKLAHOMA CITY, OK 73154
 Phone: 405 262-2441
 Service Supervisor:
 Order Date:

Service Date: 3/24/14
 PTL District: Canton

Customer Info

Customer Number:
 Customer Name: CHESAPEAKE OPERATING, INC.
 Customer Address: PO BOX 18496
 OKLAHOMA CITY, OK 73154

Approved by:

Item	DESCRIPTION	QTY	UOM	RATE	TOTAL
PTL_FSC	Stage Equipment Charge	1	Each		
PTL_MHC	Proppant Delivery	16613	Ton Mile		
PTL_MHC	Proppant Delivery	0	Load		
PTL_FPC	Fluid Pump Charge	245	Mgal		
PTL_PPC	Proppant Pump Charge	3323	CWT		
PTL3050	30/50 Mesh Northern White Sand	231340	LB		
PTL100Mesh	100 Mesh Northern White Sand	100920	LB		
PTLAI171	Corrosion Inhibitor	6	Gal		
PTLIS352	Iron Stabilizer	15	LB		
PTLMP136	15% HCl	3000	Gal		
PTLFR200	Friction Reducer	116	Gal		
EC6111A	Biocide	71	Gal		
PTLSI372	Scale Inhibitor	36	Gal		
PTLCS226	Clay Stabilizer	0	Gal		
PTLNE353	Surfactant	0	Gal		
PTLGL341	Liquid Slurry Gel (Guar)	529	Gal		
PTLCA102	Borate Crosslinker	92	Gal		
PTLBW102	Breaker	0	LB		
PTLBW112	Encapsulated Breaker	165	LB		
PTL_DAB	Dust Abatement Setup Charge	0	Each		
PTL_DAS	Dust Abatement Stage Charge	1	Each		
PTLMP188	Salt	0	Each		

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

WELL NAME	Jones A 33-13-4 10H		
COUNTY	Carroll	LOCATION LAT	40.599681
STAGE NUMBER	12	LONG	-80.969457

PRESSURES, PSI	Breakdown	7563
	MIN	8559
	MAX	9169
	AVERAGE	8948
	ISIP	6394
	5 MIN	5664

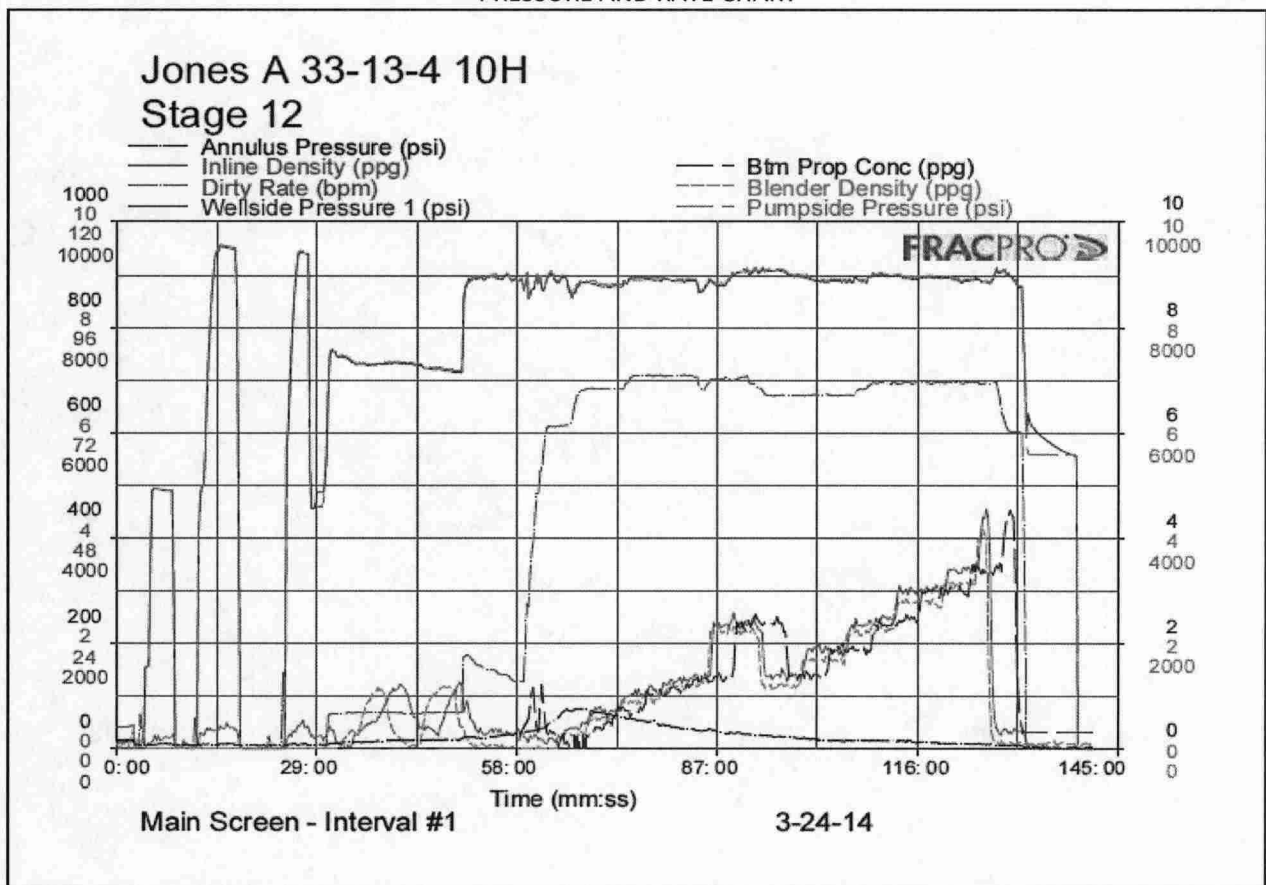
RATES, BPM	MIN	73
	MAX	85
	AVERAGE	82

FRAC FLUID TYPE	5762 bbls Fresh H2O
	0 bbls Recycled H2O

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	99900
30/50	232660
	332560

STAGE COST	
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PRESSURE AND RATE CHART





Field Ticket

Job Number:

Well #:

JONES A 33-13-4 10H

Stage: 12

Processing Office

Office Name: PERFORMANCE TECHNOLOGIES, LLC

Office Address: PO BOX 18837
OKLAHOMA CITY, OK 73154

Phone: 405 262-2441

Service Supervisor:

Order Date: 3/13/2014

Service Date: 3/24/2014 10:56:00 PM

Customer Info

Customer Number:

Customer Name: CHESAPEAKE OPERATING INC

Customer Address: PO BOX 18496
OKLAHOMA CITY, OK 731540000

Approved By:

Item	DESCRIPTION	QTY	U/M	RATE	TOTAL
PTL_FSC	STAGE EQUIPMENT CHARGE	1	STG		
PTL_MHC	PROPPANT DELIVERY CHARGE	16628	TM		
PTL_FPC	FLUID PUMP CHARGE	243	GAL		
PTL_PPC	PROPPANT PUMP CHARGE	3326	CWT		
PTL3050	30/50 MESH NORTHERN WHITE SAND	232660	LB		
PTL100	100 MESH NORTHERN WHITE SAND	99900	LB		
PTLAI161	CORROSION INHIBITOR	6	GAL		
PTLIS352	IRON STABILIZER	15	LB		
PTLMP136	15% HCL	3000	GAL		
PTLFR200	FRICTION REDUCER - COLD WATER	122	GAL		
EC6111A	BIOCIDE	70	GAL		
PTLSI372	SCALE INHIBITOR	35	GAL		
PTLGL240	GUAR SLURRY GEL	545	GAL		
PTLCA102	BORATE CROSSLINKER - INSTANT	92	GAL		
PTLBW112	BREAKER (DRY)	138	LB		
PTL_DAS	DUST ABATEMENT STAGE CHARGE	1			

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

WELL NAME	Jones A 33-13-4 10H		
COUNTY	Carroll	LOCATION LAT	40.599681
STAGE NUMBER	13	LONG	-80.969457

PRESSURES, PSI	Breakdown	7426
	MIN	8659
	MAX	9128
	AVERAGE	8914
	ISIP	6374
	5 MIN	5551

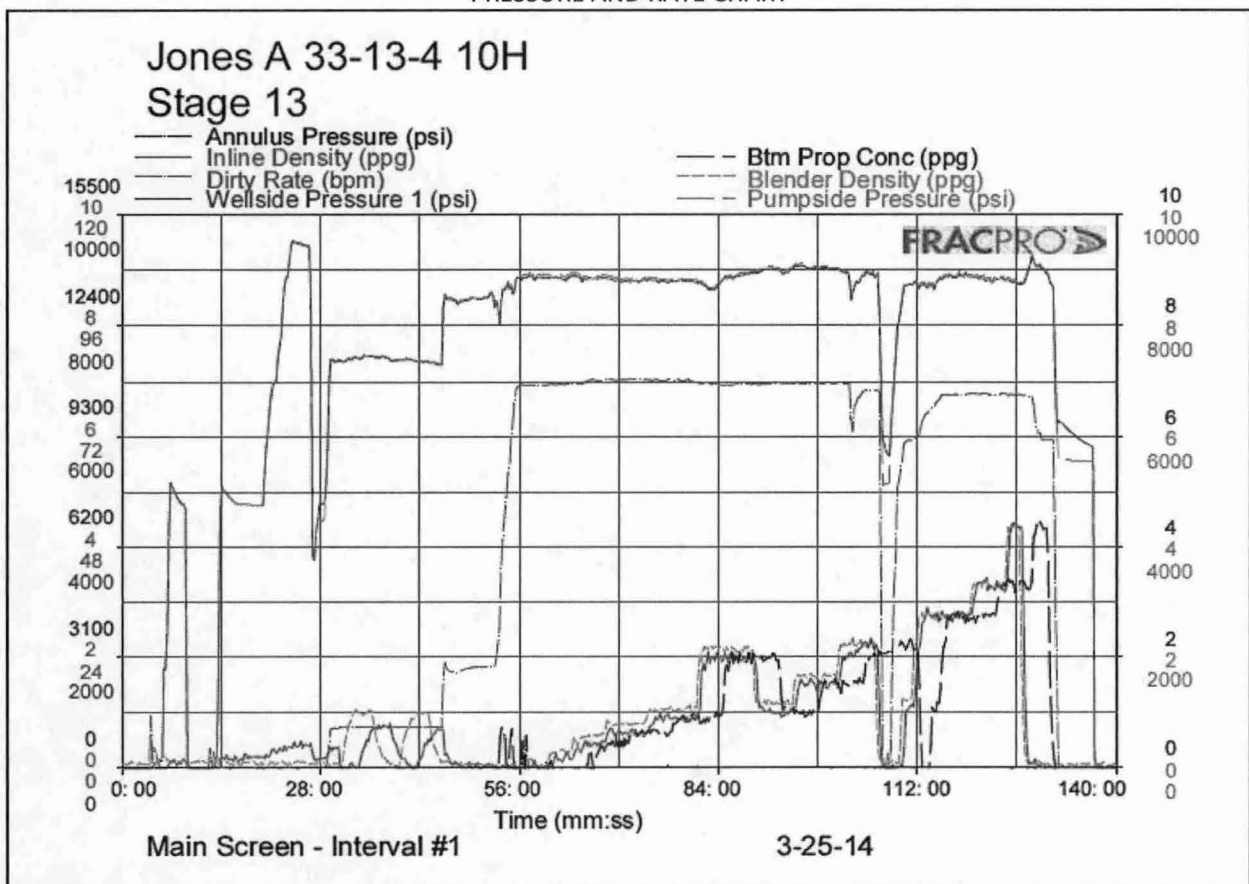
RATES, BPM	MIN	71
	MAX	86
	AVERAGE	79

FRAC FLUID TYPE	6160 bbls Fresh H2O
	0 bbls Recycled H2O

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	98960
30/50	232960
	331920

STAGE COST	
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PRESSURE AND RATE CHART





FIELD TICKET

Job Number:

Well #: Jones A 33-13-4 10H

Stage: 13

Processing Office

Office Name: PERFORMANCE TECHNOLOGIES, LLC
Office Address: PO BOX 18837
OKLAHOMA CITY, OK 73154
Phone: 405 262-2441
Service Supervisor:
Order Date:

Field Ticket:
Office Number:

Customer Info

Customer Number:
Customer Name: CHESAPEAKE OPERATING, INC.
Customer Address: PO BOX 18496
OKLAHOMA CITY, OK 73154

Service Date: 3/25/14
PTL District: Canton

Approved by:

Item	DESCRIPTION	QTY	UOM	RATE	TOTAL
PTL_FSC	Stage Equipment Charge	1	Each		
PTL_MHC	Proppant Delivery	16596	Ton Mile		
PTL_MHC	Proppant Delivery	0	Load		
PTL_FPC	Fluid Pump Charge	259	Mgal		
PTL_PPC	Proppant Pump Charge	3319	CWT		
PTL3050	30/50 Mesh Northern White Sand	232960	LB		
PTL100Mesh	100 Mesh Northern White Sand	98960	LB		
PTLAI171	Corrosion Inhibitor	6	Gal		
PTLIS352	Iron Stabilizer	15	LB		
PTLMP136	15% HCl	3000	Gal		
PTLFR200	Friction Reducer	134	Gal		
EC6111A	Biocide	76	Gal		
PTLSI372	Scale Inhibitor	36	Gal		
PTLCS226	Clay Stabilizer	0	Gal		
PTLNE353	Surfactant	0	Gal		
PTLGL341	Liquid Slurry Gel (Guar)	570	Gal		
PTLCA102	Borate Crosslinker	101	Gal		
PTLBW102	Breaker	0	LB		
PTLBW112	Encapsulated Breaker	165	LB		
PTL_DAB	Dust Abatement Setup Charge	0	Each		
PTL_DAS	Dust Abatement Stage Charge	1	Each		
PTLMP188	Salt	0	Each		

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

WELL NAME	Jones A 33-13-4 10H		
COUNTY	Carroll	LOCATION LAT	40.599681
STAGE NUMBER	14	LONG	-80.969457

PRESSURES, PSI	Breakdown	6845
	MIN	8198
	MAX	9116
	AVERAGE	8653
	ISIP	6434
	5 MIN	5780

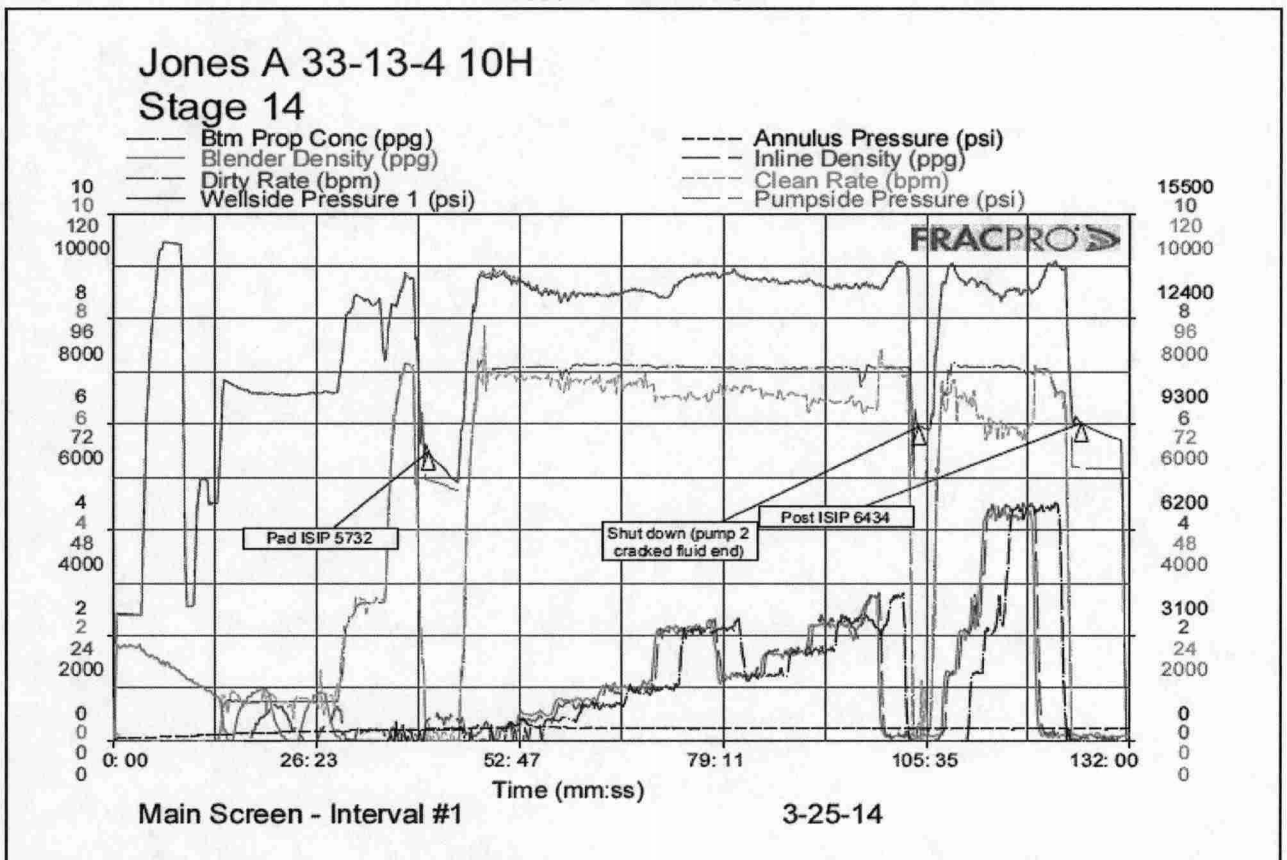
RATES, BPM	MIN	78
	MAX	86
	AVERAGE	85

FRAC FLUID TYPE	6598 bbls Fresh H2O
	0 bbls Recycled H2O

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	100080
30/50	232560
	332640

STAGE COST	
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PRESSURE AND RATE CHART





FIELD TICKET

Job Number:

Well #: Jones A 33-13-4 10H

Stage: 14

Processing Office

Office Name: PERFORMANCE TECHNOLOGIES, LLC
Office Address: PO BOX 18837
OKLAHOMA CITY, OK 73154
Phone: 405 262-2441
Service Supervisor:
Order Date:

Service Date: 3/25/14
PTL District: Canter

Customer Info

Customer Number:
Customer Name: CHESAPEAKE OPERATING, INC.
Customer Address: PO BOX 18496
OKLAHOMA CITY, OK 73154

Approved by:

Item	DESCRIPTION	QTY	UOM	RATE	TOTAL
PTL_FSC	Stage Equipment Charge	1	Each		
PTL_MHC	Proppant Delivery	16632	Ton Mile		
PTL_MHC	Proppant Delivery	0	Load		
PTL_FPC	Fluid Pump Charge	279	Mgal		
PTL_PPC	Proppant Pump Charge	3326	CWT		
PTL3050	30/50 Mesh Northern White Sand	232560	LB		
PTL100Mesh	100 Mesh Northern White Sand	100080	LB		
PTLAI171	Corrosion Inhibitor	6	Gal		
PTLIS352	Iron Stabilizer	15	LB		
PTLMP136	15% HCl	3000	Gal		
PTLFR200	Friction Reducer	114	Gal		
EC6111A	Biocide	79	Gal		
PTLSI372	Scale Inhibitor	39	Gal		
PTLCS226	Clay Stabilizer	0	Gal		
PTLNE353	Surfactant	0	Gal		
PTLGL341	Liquid Slurry Gel (Guar)	598	Gal		
PTLCA102	Borate Crosslinker	113	Gal		
PTLBW102	Breaker	0	LB		
PTLBW112	Encapsulated Breaker	165	LB		
PTL_DAB	Dust Abatement Setup Charge	0	Each		
PTL_DAS	Dust Abatement Stage Charge	1	Each		
PTLMP188	Salt	0	Each		

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

WELL NAME	Jones A 33-13-4 10H		
COUNTY	Carroll	LOCATION LAT	40.599681
STAGE NUMBER	15	LONG	-80.969457

PRESSURES, PSI	Breakdown	7714
	MIN	8283
	MAX	9098
	AVERAGE	8759
	ISIP	6031
	5 MIN	5252

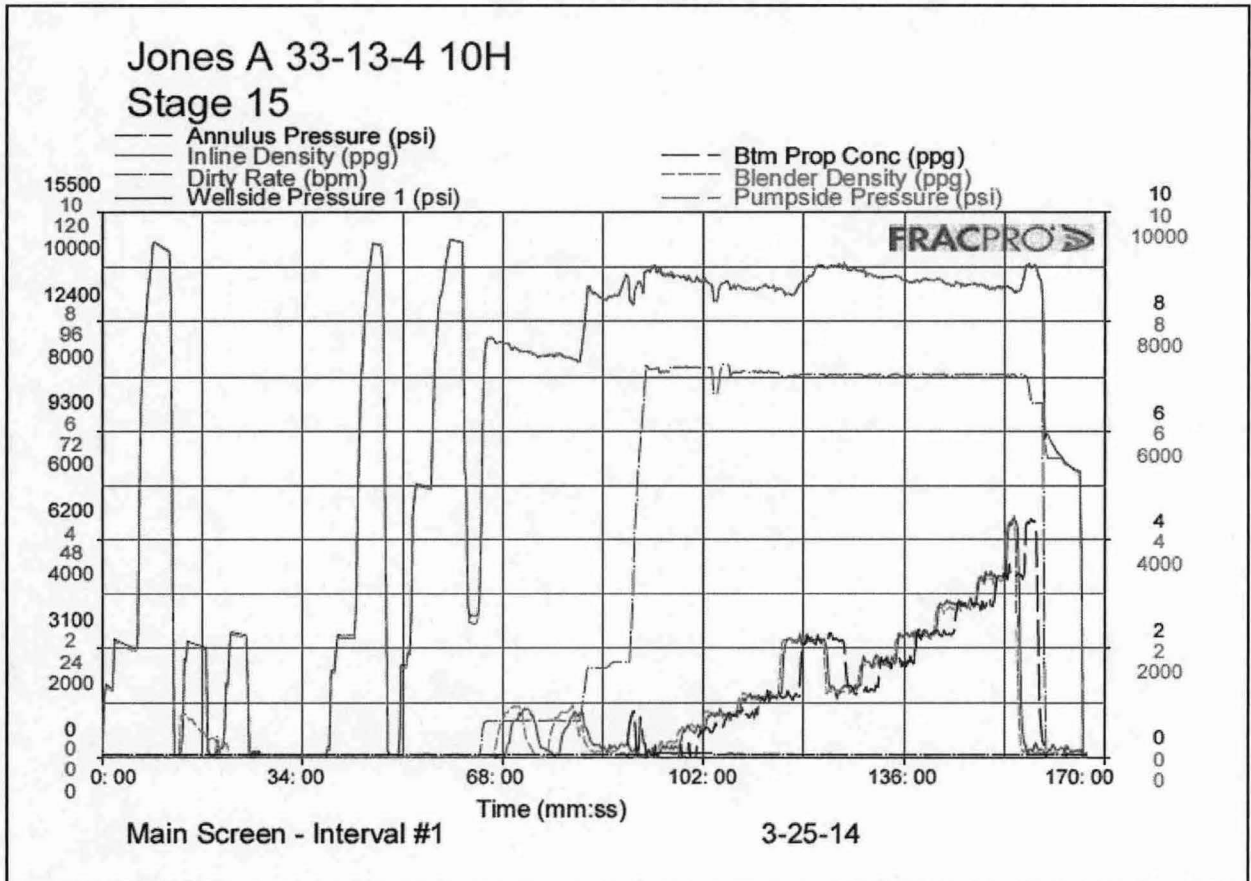
RATES, BPM	MIN	65
	MAX	85
	AVERAGE	79

FRAC FLUID TYPE	5767 bbls Fresh H2O
	0 bbls Recycled H2O

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	100400
30/50	232880
	333280

STAGE COST	
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PRESSURE AND RATE CHART





FIELD TICKET

Job Number:

Well #: Jones A 33-13-4 10H

Stage: 15

Processing Office

Office Name: PERFORMANCE TECHNOLOGIES, LLC
Office Address: PO BOX 18837
OKLAHOMA CITY, OK 73154
Phone: 405 262-2441
Service Supervisor:
Order Date:

Field Ticket:
Office Number:

Customer Info

Customer Number:
Customer Name: CHESAPEAKE OPERATING, INC.
Customer Address: PO BOX 18496
OKLAHOMA CITY, OK 73154

Service Date: 3/25/14
PTL District: Canton

Approved by:

Item	DESCRIPTION	QTY	UOM	RATE	TOTAL
PTL_FSC	Stage Equipment Charge	1	Each		
PTL_MHC	Proppant Delivery	16664	Ton Mile		
PTL_MHC	Proppant Delivery	0	Load		
PTL_FPC	Fluid Pump Charge	244	Mgal		
PTL_PPC	Proppant Pump Charge	3333	CWT		
PTL3050	30/50 Mesh Northern White Sand	232880	LB		
PTL100Mesh	100 Mesh Northern White Sand	100400	LB		
PTLAI171	Corrosion Inhibitor	6	Gal		
PTLIS352	Iron Stabilizer	15	LB		
PTLMP136	15% HCl	3000	Gal		
PTLFR200	Friction Reducer	106	Gal		
EC6111A	Biocide	57	Gal		
PTLSI372	Scale Inhibitor	36	Gal		
PTLCS226	Clay Stabilizer	0	Gal		
PTLNE353	Surfactant	0	Gal		
PTLGL341	Liquid Slurry Gel (Guar)	557	Gal		
PTLCA102	Borate Crosslinker	90	Gal		
PTLBW102	Breaker	0	LB		
PTLBW112	Encapsulated Breaker	165	LB		
PTL_DAB	Dust Abatement Setup Charge	0	Each		
PTL_DAS	Dust Abatement Stage Charge	1	Each		
PTLMP188	Salt	0	Each		

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

WELL NAME	Jones A 33-13-4 10H		
COUNTY	Carroll	LOCATION LAT	40.599681
STAGE NUMBER	16	LONG	-80.969457

PRESSURES, PSI	Breakdown	7277
	MIN	8402
	MAX	9016
	AVERAGE	8744
	ISIP	5974
	5 MIN	5187

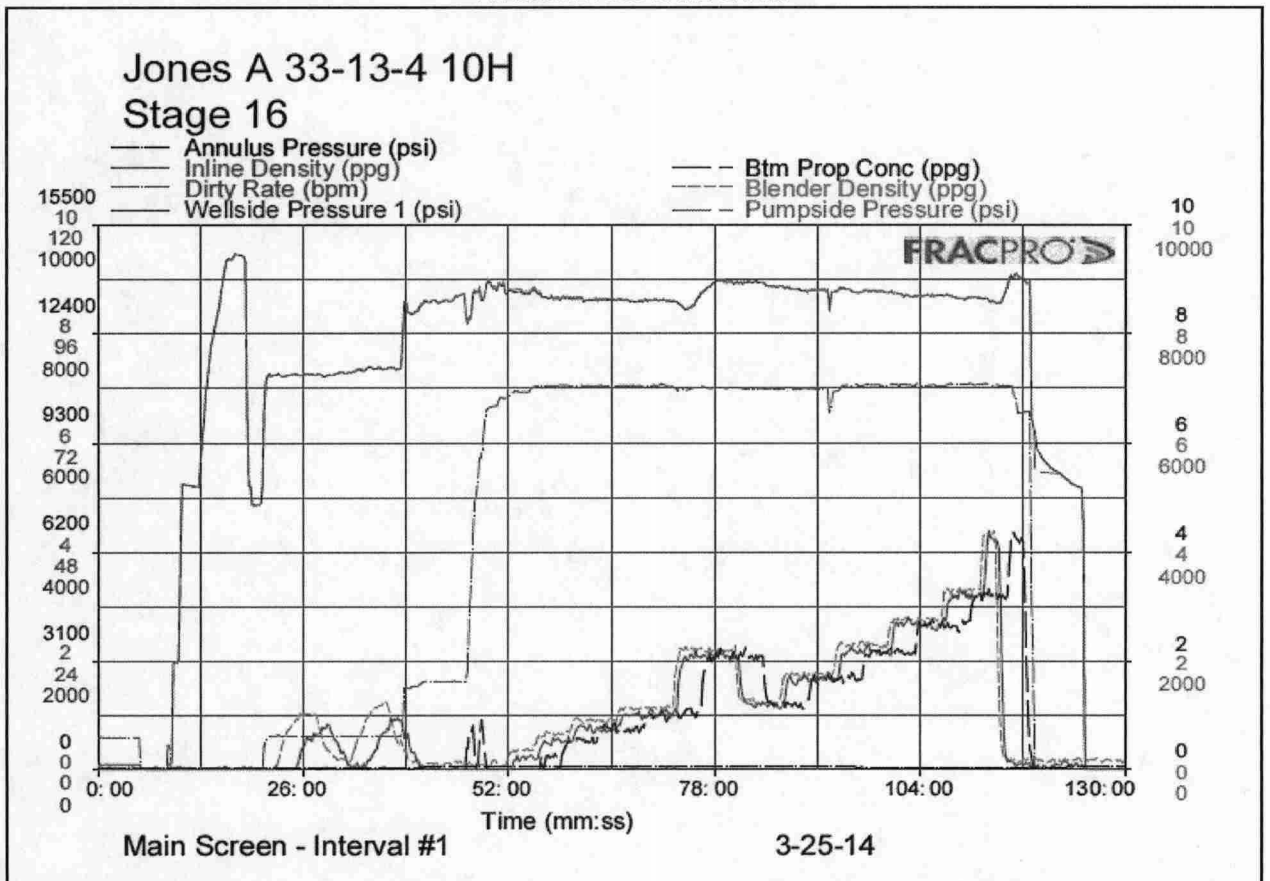
RATES, BPM	MIN	67
	MAX	86
	AVERAGE	78

FRAC FLUID TYPE	5867 bbls Fresh H2O
	0 bbls Recycled H2O

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	99040
30/50	231980
	331020

STAGE COST	
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PRESSURE AND RATE CHART





FIELD TICKET

Job Number:

Well #: Jones A 33-13-4 10H

Stage: 16

Processing Office

Office Name: PERFORMANCE TECHNOLOGIES, LLC
Office Address: PO BOX 18837
OKLAHOMA CITY, OK 73154
Phone: 405 262-2441
Service Supervisor:
Order Date:

Service Date: 3/25/14
PTL District: Canton

Customer Info

Customer Number:
Customer Name: CHESAPEAKE OPERATING, INC.
Customer Address: PO BOX 18496
OKLAHOMA CITY, OK 73154

Approved by:

Item	DESCRIPTION	QTY	UOM	RATE	TOTAL
PTL_FSC	Stage Equipment Charge	1	Each		
PTL_MHC	Proppant Delivery	16551	Ton Mile		
PTL_MHC	Proppant Delivery	0	Load		
PTL_FPC	Fluid Pump Charge	247	Mgal		
PTL_PPC	Proppant Pump Charge	3310	CWT		
PTL3050	30/50 Mesh Northern White Sand	231980	LB		
PTL100Mesh	100 Mesh Northern White Sand	99040	LB		
PTLAI171	Corrosion Inhibitor	6	Gal		
PTLIS352	Iron Stabilizer	15	LB		
PTLMP136	15% HCl	3000	Gal		
PTLFR200	Friction Reducer	107	Gal		
EC6111A	Biocide	68	Gal		
PTLSI372	Scale Inhibitor	40	Gal		
PTLCS226	Clay Stabilizer	0	Gal		
PTLNE353	Surfactant	0	Gal		
PTLGL341	Liquid Slurry Gel (Guar)	537	Gal		
PTLCA102	Borate Crosslinker	96	Gal		
PTLBW102	Breaker	0	LB		
PTLBW112	Encapsulated Breaker	165	LB		
PTL_DAB	Dust Abatement Setup Charge	0	Each		
PTL_DAS	Dust Abatement Stage Charge	1	Each		
PTLMP188	Salt	0	Each		

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

WELL NAME	Jones A 33-13-4 10H		
COUNTY	Carroll	LOCATION LAT	40.599681
STAGE NUMBER	17	LONG	-80.969457

PRESSURES, PSI	Breakdown	7509
	MIN	8640
	MAX	9176
	AVERAGE	8869
	ISIP	6009
	5 MIN	4986

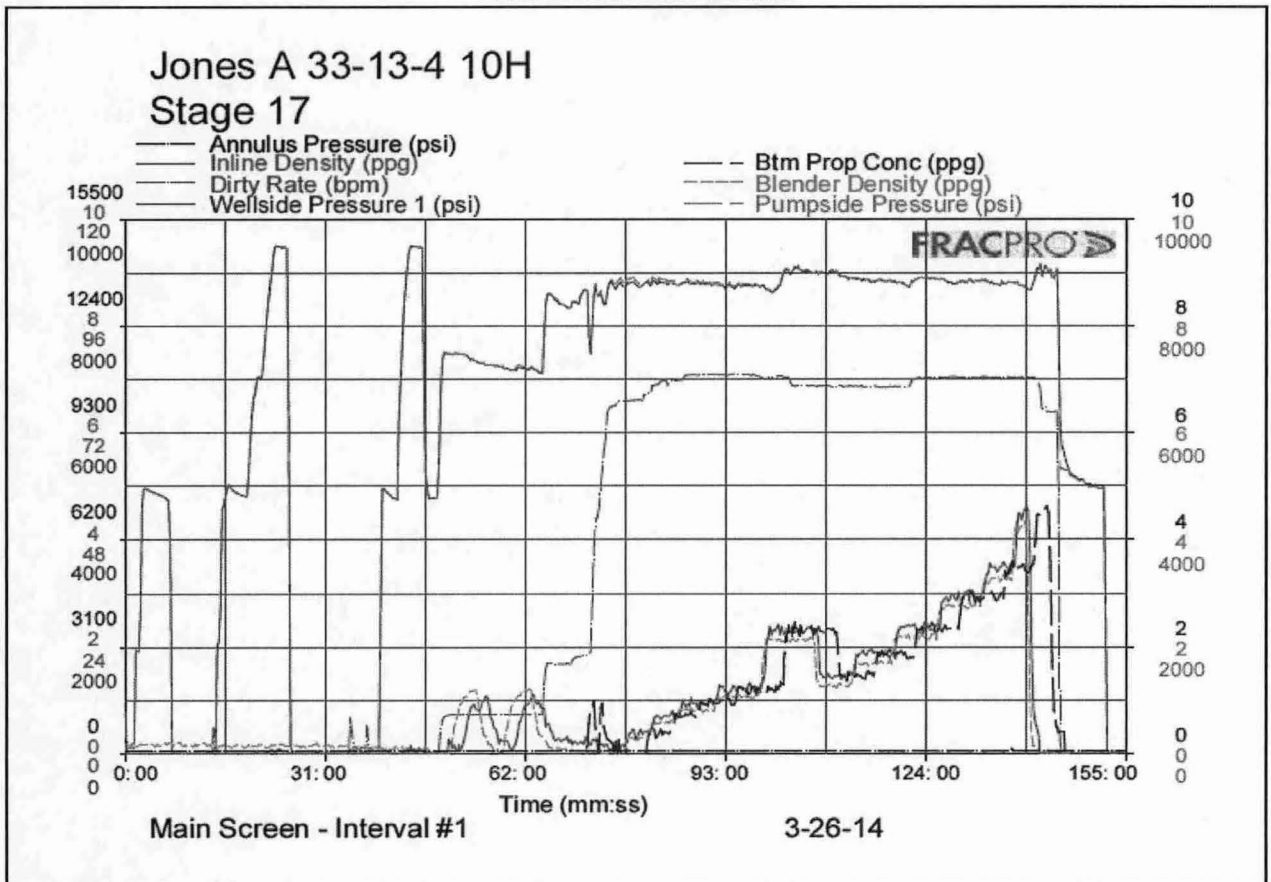
RATES, BPM	MIN	79
	MAX	85
	AVERAGE	84

FRAC FLUID TYPE	5889 bbls Fresh H2O
	0 bbls Recycled H2O

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	101560
30/50	232200
	333760

STAGE COST	
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PRESSURE AND RATE CHART





FIELD TICKET

Job Number:

Well #: Jones A 33-13-4 10H

Stage: 17

Processing Office

Office Name: PERFORMANCE TECHNOLOGIES, LLC
 Office Address: PO BOX 18837
 OKLAHOMA CITY, OK 73154
 405 262-2441
 Phone:
 Service Supervisor:
 Order Date:

Field Ticket:
 Office Number:

Customer Info

Customer Number:
 Customer Name: CHESAPEAKE OPERATING, INC.
 Customer Address: PO BOX 18496
 OKLAHOMA CITY, OK 73154

Service Date: 3/26/14
 PTL District: Canton

Approved by:

Item	DESCRIPTION	QTY	UOM	RATE	TOTAL
PTL_FSC	Stage Equipment Charge	1	Each		
PTL_MHC	Proppant Delivery	16688	Ton Mile		
PTL_MHC	Proppant Delivery	0	Load		
PTL_FPC	Fluid Pump Charge	248	Mgal		
PTL_PPC	Proppant Pump Charge	3338	CWT		
PTL3050	30/50 Mesh Northern White Sand	232200	LB		
PTL100Mesh	100 Mesh Northern White Sand	101560	LB		
PTLAI171	Corrosion Inhibitor	6	Gal		
PTLIS352	Iron Stabilizer	15	LB		
PTLMP136	15% HCl	3000	Gal		
PTLFR200	Friction Reducer	106	Gal		
EC6111A	Biocide	70	Gal		
PTLSI372	Scale Inhibitor	39	Gal		
PTLCS226	Clay Stabilizer	0	Gal		
PTLNE353	Surfactant	0	Gal		
PTLGL341	Liquid Slurry Gel (Guar)	543	Gal		
PTLCA102	Borate Crosslinker	97	Gal		
PTLBW102	Breaker	0	LB		
PTLBW112	Encapsulated Breaker	165	LB		
PTL_DAB	Dust Abatement Setup Charge	0	Each		
PTL_DAS	Dust Abatement Stage Charge	1	Each		
PTLMP188	Salt	0	Each		

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

WELL NAME	Jones A 33-13-4 10H		
COUNTY	Carroll	LOCATION LAT	40.599681
STAGE NUMBER	18	LONG	-80.969457

PRESSURES, PSI	Breakdown	6805
	MIN	7576
	MAX	9228
	AVERAGE	8655
	ISIP	5502
	5 MIN	4782

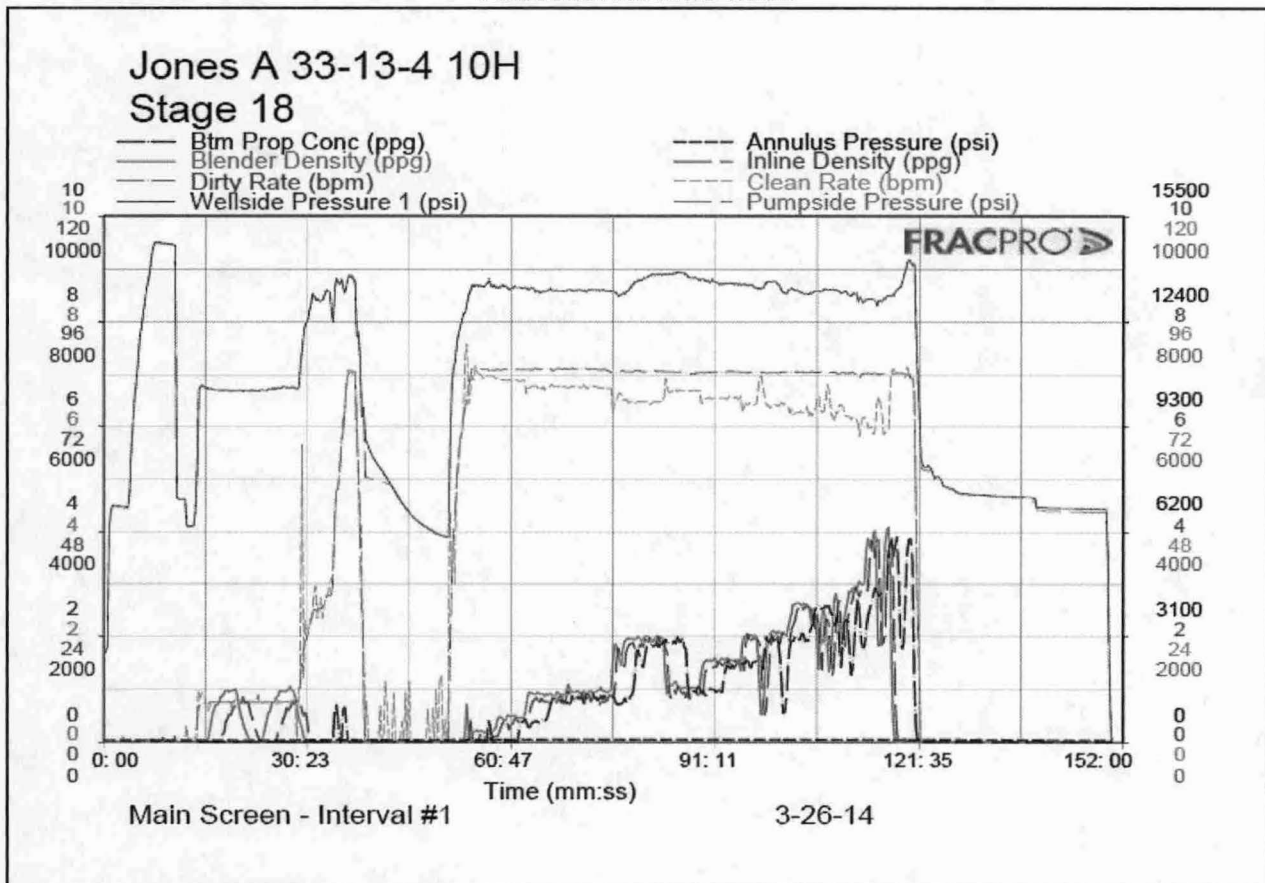
RATES, BPM	MIN	79
	MAX	85
	AVERAGE	84

FRAC FLUID TYPE	6142 bbls Fresh H2O
	0 bbls Recycled H2O

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	101300
30/50	232060
	333360

STAGE COST	
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PRESSURE AND RATE CHART





FIELD TICKET

Job Number:

Well #: Jones A 33-13-4 10H

Stage: 18

Processing Office

Office Name: PERFORMANCE TECHNOLOGIES, LLC
Office Address: PO BOX 18837
OKLAHOMA CITY, OK 73154
Phone: 405 262-2441

Field Ticket:
Office Number:

Service Supervisor:
Order Date:

Service Date: 3/26/14
PTL District: Canton

Customer Info

Customer Number:
Customer Name: CHESAPEAKE OPERATING, INC.
Customer Address: PO BOX 18496
OKLAHOMA CITY, OK 73154

Approved by:

Item	DESCRIPTION	QTY	UOM	RATE	TOTAL
PTL_FSC	Stage Equipment Charge	1	Each		
PTL_MHC	Proppant Delivery	16668	Ton Mile		
PTL_MHC	Proppant Delivery	0	Load		
PTL_FPC	Fluid Pump Charge	258	Mgal		
PTL_PPC	Proppant Pump Charge	3334	CWT		
PTL3050	30/50 Mesh Northern White Sand	232060	LB		
PTL100Mesh	100 Mesh Northern White Sand	101300	LB		
PTLAI171	Corrosion Inhibitor	6	Gal		
PTLIS352	Iron Stabilizer	15	LB		
PTLMP136	15% HCl	3000	Gal		
PTLFR200	Friction Reducer	114	Gal		
EC6111A	Biocide	72	Gal		
PTLSI372	Scale Inhibitor	41	Gal		
PTLCS226	Clay Stabilizer	0	Gal		
PTLNE353	Surfactant	0	Gal		
PTLGL341	Liquid Slurry Gel (Guar)	555	Gal		
PTLCA102	Borate Crosslinker	99	Gal		
PTLBW102	Breaker	0	LB		
PTLBW112	Encapsulated Breaker	165	LB		
PTL_DAB	Dust Abatement Setup Charge	0	Each		
PTL_DAS	Dust Abatement Stage Charge	1	Each		

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

WELL NAME	Jones A 33-13-4 10H		
COUNTY	Carroll	LOCATION LAT	40.599681
STAGE NUMBER	19	LONG	-80.969457

PRESSURES, PSI	Breakdown	6471
	MIN	7882
	MAX	8705
	AVERAGE	8282
	ISIP	5846
	5 MIN	5392

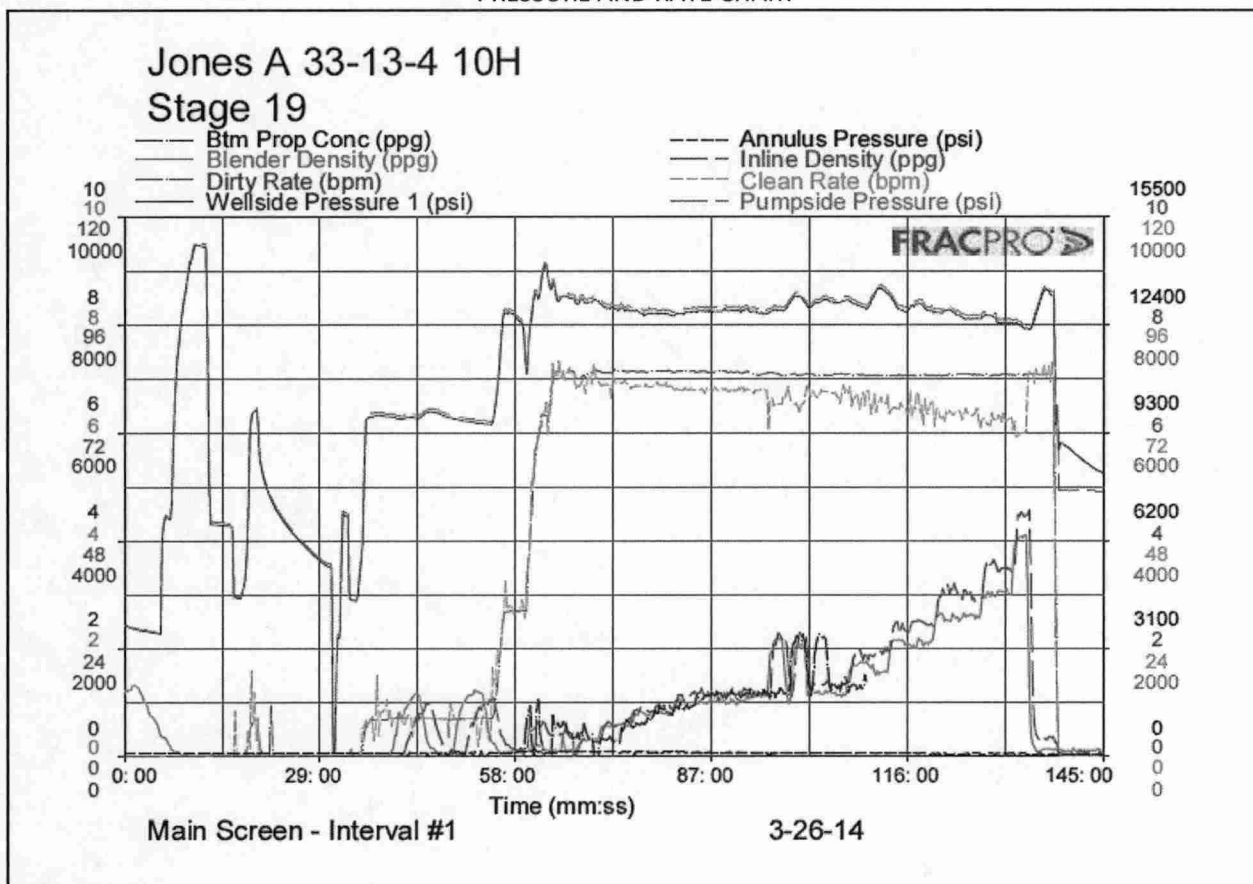
RATES, BPM	MIN	83
	MAX	86
	AVERAGE	85

FRAC FLUID TYPE	6552 bbls Fresh H2O
	0 bbls Recycled H2O

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	100240
30/50	147819
	248059

STAGE COST	
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PRESSURE AND RATE CHART





FIELD TICKET

Job Number:

Well #: Jones A 33-13-4 10H

Stage: 19

Processing Office

Office Name: PERFORMANCE TECHNOLOGIES, LLC
Office Address: PO BOX 18837
OKLAHOMA CITY, OK 73154
Phone: 405 262-2441
Service Supervisor:
Order Date:

Field Ticket:
Office Number:

Service Date: 3/26/14

Customer Info

Customer Number:
Customer Name: CHESAPEAKE OPERATING, INC.
Customer Address: PO BOX 18496
OKLAHOMA CITY, OK 73154

Approved by:

Item	DESCRIPTION	QTY	UOM	RATE	TOTAL
PTL_FSC	Stage Equipment Charge	1	Each		
PTL_MHC	Proppant Delivery	16599	Ton Mile		
PTL_MHC	Proppant Delivery	0	Load		
PTL_FPC	Fluid Pump Charge	276	Mgal		
PTL_PPC	Proppant Pump Charge	3320	CWT		
PTL3050	30/50 Mesh Northern White Sand	231740	LB		
PTL100Mesh	100 Mesh Northern White Sand	100240	LB		
PTLAI171	Corrosion Inhibitor	6	Gal		
PTLIS352	Iron Stabilizer	15	LB		
PTLMP136	15% HCl	3000	Gal		
PTLFR200	Friction Reducer	130	Gal		
EC6111A	Biocide	81	Gal		
PTLSI372	Scale Inhibitor	39	Gal		
PTLCS226	Clay Stabilizer	0	Gal		
PTLNE353	Surfactant	0	Gal		
PTLGL341	Liquid Slurry Gel (Guar)	542	Gal		
PTLCA102	Borate Crosslinker	101	Gal		
PTLBW102	Breaker	0	LB		
PTLBW112	Encapsulated Breaker	165	LB		
PTL_DAB	Dust Abatement Setup Charge	0	Each		
PTL_DAS	Dust Abatement Stage Charge	1	Each		
PTLMP188	Calcium Chloride	30	Each		

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

WELL NAME	Jones A 33-13-4 10H		
COUNTY	Carroll	LOCATION LAT	40.599681
STAGE NUMBER	20	LONG	-80.969457

PRESSURES, PSI	Breakdown	6213
	MIN	7941
	MAX	8490
	AVERAGE	8212
	ISIP	5860
	5 MIN	5416

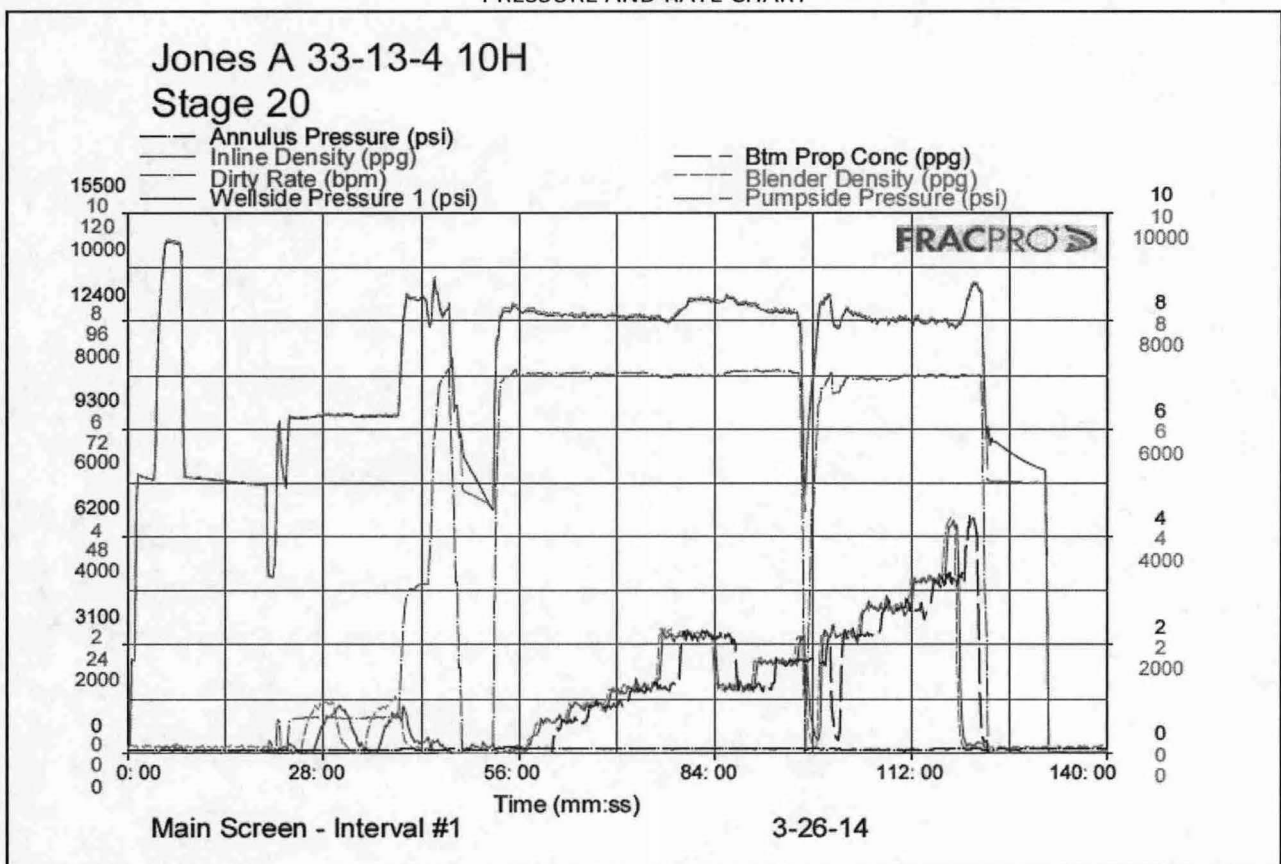
RATES, BPM	MIN	65
	MAX	84
	AVERAGE	75

FRAC FLUID TYPE	6184 bbls Fresh H2O
	0 bbls Recycled H2O

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	100460
30/50	232920
	333380

STAGE COST	
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PRESSURE AND RATE CHART





Field Ticket

Job Number:

Well #:

JONES A 33-13-4 10H

Stage: 20

Processing Office

Office Name: PERFORMANCE TECHNOLOGIES, LLC
Office Address: PO BOX 18837
OKLAHOMA CITY, OK 73154
Phone: 405 262-2441
Service Supervisor:
Order Date: 3/13/2014

Service Date: 3/26/2014 7:04:00 PM
PTL District: Canton

Customer Info

Customer Number:
Customer Name: CHESAPEAKE OPERATING INC
Customer Address: PO BOX 18496
OKLAHOMA CITY, OK 731540000

Approved By:

Item	DESCRIPTION	QTY	U/M	RATE	TOTAL
PTL_FSC	STAGE EQUIPMENT CHARGE	1	STG		
PTL_MHC	PROPPANT DELIVERY CHARGE	16669	TM		
PTL_FPC	FLUID PUMP CHARGE	260	GAL		
PTL_PPC	PROPPANT PUMP CHARGE	3334	CWT		
PTL3050	30/50 MESH NORTHERN WHITE SAND	232920	LB		
PTL100	100 MESH NORTHERN WHITE SAND	100460	LB		
PTLAI161	CORROSION INHIBITOR	6	GAL		
PTLIS352	IRON STABILIZER	15	LB		
PTLMP136	15% HCL	3000	GAL		
PTLFR200	FRICTION REDUCER - COLD WATER	117	GAL		
EC6111A	BIOCIDE	72	GAL		
PTLSI372	SCALE INHIBITOR	39	GAL		
PTLGL240	GUAR SLURRY GEL	562	GAL		
PTLCA102	BORATE CROSSLINKER - INSTANT	107	GAL		
PTLBW112	BREAKER (DRY)	165	LB		
PTL_DAS	DUST ABATEMENT STAGE CHARGE	1			

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

WELL NAME	Jones A 33-13-4 10H		
COUNTY	Carroll	LOCATION LAT	40.599681
STAGE NUMBER	21	LONG	-80.969457

PRESSURES, PSI	Breakdown	6790
	MIN	7976
	MAX	8647
	AVERAGE	8346
	ISIP	5299
	5 MIN	4491

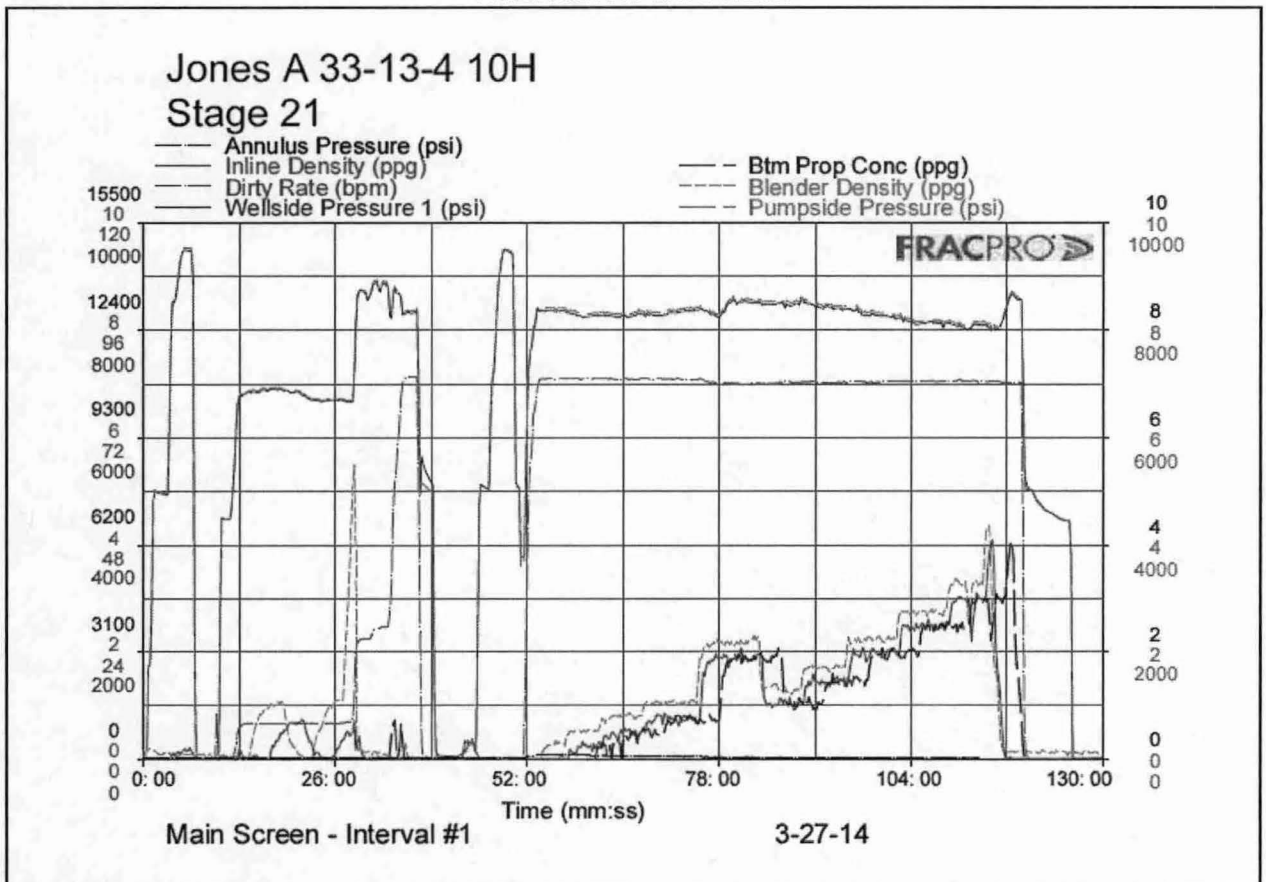
RATES, BPM	MIN	67
	MAX	86
	AVERAGE	80

FRAC FLUID TYPE	7446 bbls Fresh H2O
	0 bbls Recycled H2O

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	99200
30/50	232640
	331840

STAGE COST	
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PRESSURE AND RATE CHART





FIELD TICKET

Job Number:

Well #: Jones A 33-13-4 10H

Stage: 21

Processing Office

Office Name: PERFORMANCE TECHNOLOGIES, LLC
Office Address: PO BOX 18837
OKLAHOMA CITY, OK 73154
Phone: 405 262-2441

Field Ticket:
Office Number:

Service Supervisor:
Order Date:

Service Date: 3/26/14
PTL District: Canton

Customer Info

Customer Number:
Customer Name: CHESAPEAKE OPERATING, INC.
Customer Address: PO BOX 18496
OKLAHOMA CITY, OK 73154

Approved by:

Item	DESCRIPTION	QTY	UOM	RATE	TOTAL
PTL_FSC	Stage Equipment Charge	1	Each		
PTL_MHC	Proppant Delivery	16592	Ton Mile		
PTL_MHC	Proppant Delivery	0	Load		
PTL_FPC	Fluid Pump Charge	248	Mgal		
PTL_PPC	Proppant Pump Charge	3318	CWT		
PTL3050	30/50 Mesh Northern White Sand	232640	LB		
PTL100Mesh	100 Mesh Northern White Sand	99200	LB		
PTLAI171	Corrosion Inhibitor	6	Gal		
PTLIS352	Iron Stabilizer	15	LB		
PTLMP136	15% HCl	3000	Gal		
PTLFR200	Friction Reducer	112	Gal		
EC6111A	Biocide	70	Gal		
PTLSI372	Scale Inhibitor	36	Gal		
PTLCS226	Clay Stabilizer	0	Gal		
PTLNE353	Surfactant	0	Gal		
PTLGL341	Liquid Slurry Gel (Guar)	523	Gal		
PTLCA102	Borate Crosslinker	88	Gal		
PTLBW102	Breaker	0	LB		
PTLBW112	Encapsulated Breaker	165	LB		
PTL_DAB	Dust Abatement Setup Charge	0	Each		
PTL_DAS	Dust Abatement Stage Charge	1	Each		

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

WELL NAME	Jones A 33-13-4 10H		
COUNTY	Carroll	LOCATION LAT	40.599681
STAGE NUMBER	22	LONG	-80.969457

PRESSURES, PSI	Breakdown	6787
	MIN	8928
	MAX	9165
	AVERAGE	9025
	ISIP	7636
	5 MIN	5188

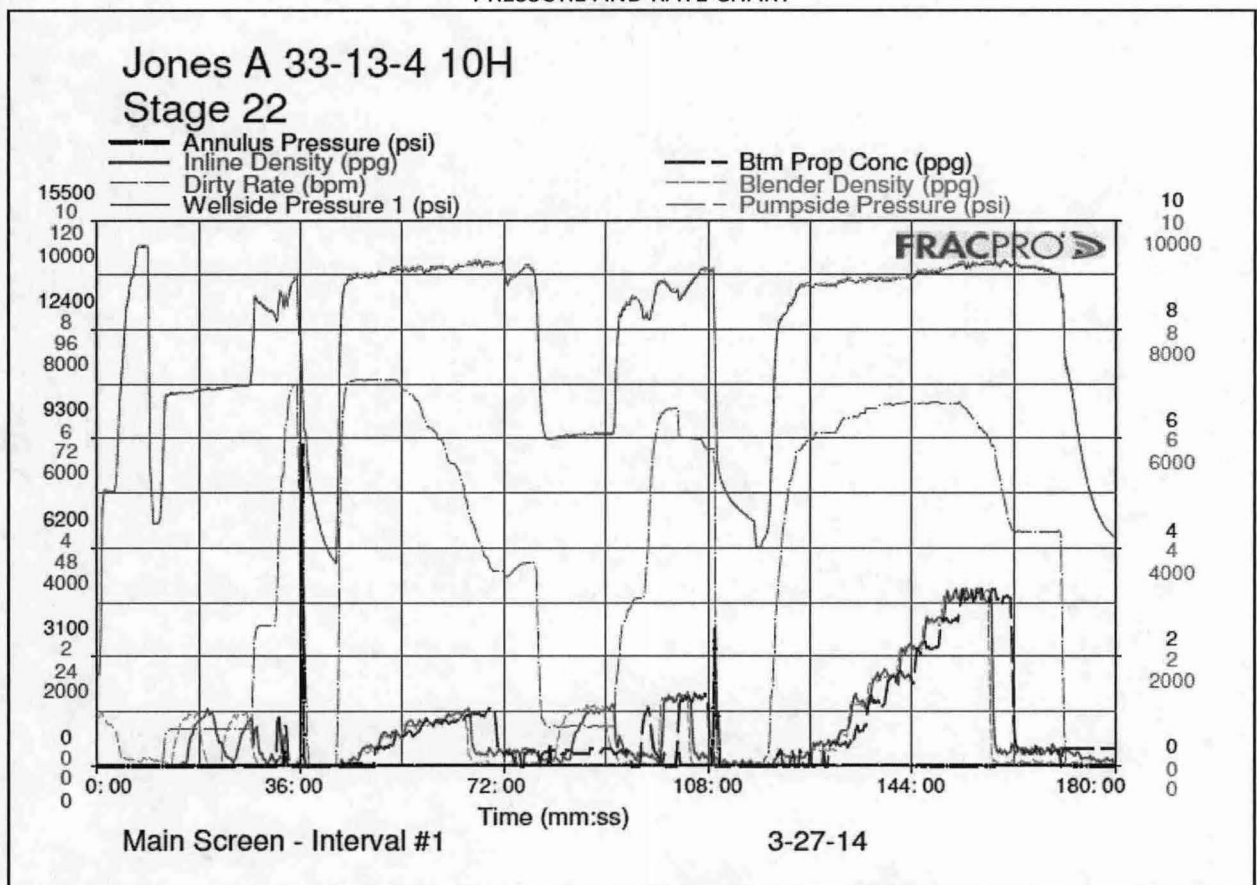
RATES, BPM	MIN	46
	MAX	83
	AVERAGE	69

FRAC FLUID TYPE	7446 bbls Fresh H2O
	0 bbls Recycled H2O

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	54280
30/50	183580
	237860

STAGE COST	
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PRESSURE AND RATE CHART





Field Ticket

Job Number:

Well #:

JONES A 33-13-4 10H

Stage:

22

Processing Office

Office Name: PERFORMANCE TECHNOLOGIES, LLC

Office Address: PO BOX 18837
OKLAHOMA CITY, OK 73154

Phone: 405 262-2441

Service Supervisor:

Order Date: 3/13/2014

Service Date: 3/27/2014 3:00:00 AM

PTL District: Canton

Customer Info

Customer Number:

Customer Name: CHESAPEAKE OPERATING INC

Customer Address: PO BOX 18496
OKLAHOMA CITY, OK 731540000

Approved By:

Item	DESCRIPTION	QTY	U/M	RATE	TOTAL
PTL_FSC	STAGE EQUIPMENT CHARGE	1	STG		
PTL_MHC	PROPPANT DELIVERY CHARGE	12296	TM		
PTL_FPC	FLUID PUMP CHARGE	315	GAL		
PTL_PPC	PROPPANT PUMP CHARGE	2459	CWT		
PTL3050	30/50 MESH NORTHERN WHITE SAND	191640	LB		
PTL100	100 MESH NORTHERN WHITE SAND	54280	LB		
PTLAI161	CORROSION INHIBITOR	12	GAL		
PTLIS352	IRON STABILIZER	30	LB		
PTLMP136	15% HCL	6000	GAL		
PTLFR200	FRICTION REDUCER - COLD WATER	242	GAL		
EC6111A	BIOCIDE	88	GAL		
PTLSI372	SCALE INHIBITOR	48	GAL		
PTLGL240	GUAR SLURRY GEL	767	GAL		
PTLCA102	BORATE CROSSLINKER - INSTANT	86	GAL		
PTLBW112	BREAKER (DRY)	275	LB		
PTL_DAS	DUST ABATEMENT STAGE CHARGE	1			

CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET

WELL NAME	Jones A 33-13-4 10H		
COUNTY	Carroll	LOCATION LAT	40.599681
STAGE NUMBER	23	LONG	-80.969457

PRESSURES, PSI	Breakdown	6878
	MIN	8633
	MAX	9247
	AVERAGE	8917
	ISIP	5215
	5 MIN	4479

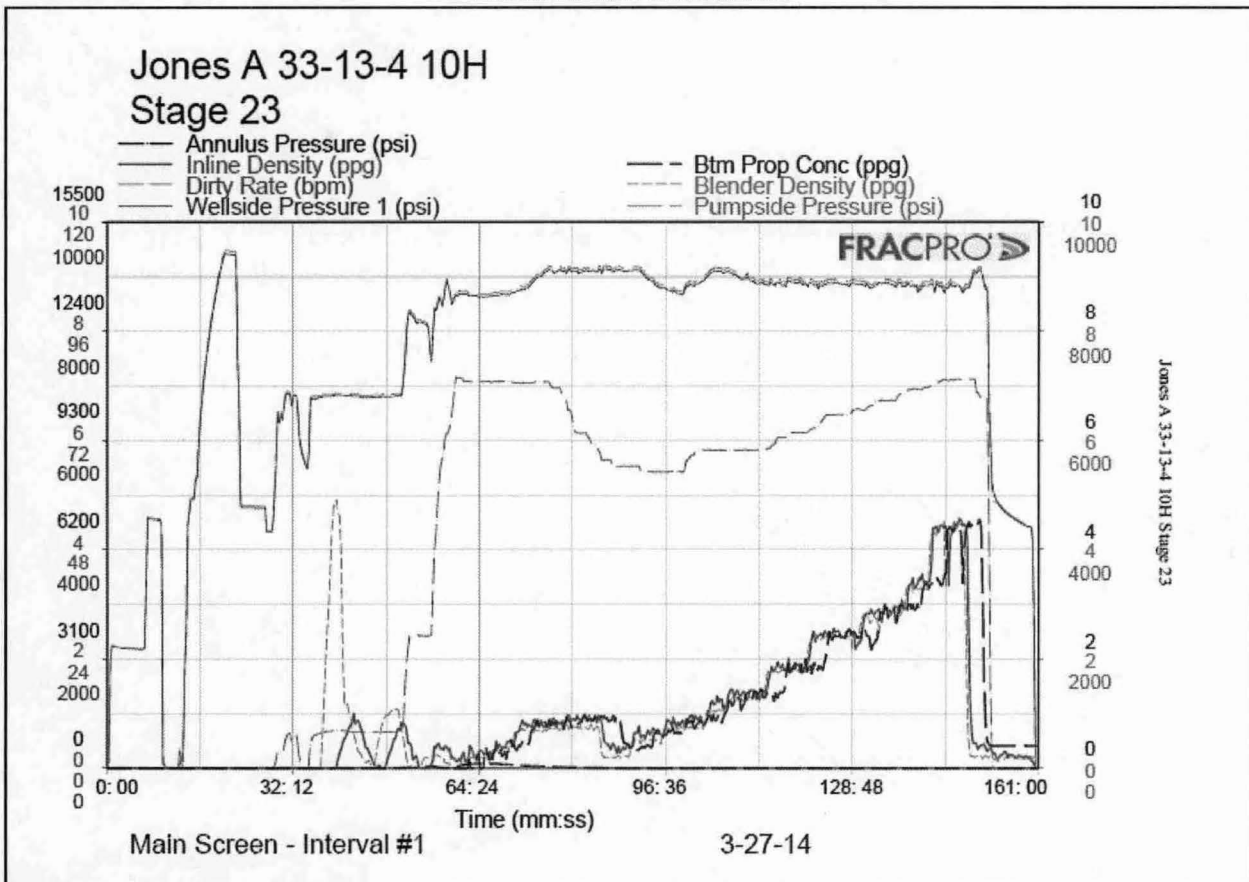
RATES, BPM	MIN	64
	MAX	85
	AVERAGE	75

FRAC FLUID TYPE	7296 bbls Fresh H2O
	0 bbls Recycled H2O

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	55000
30/50	278110
	333110

STAGE COST	
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PRESSURE AND RATE CHART





Field Ticket

Job Number:

Well #:

JONES A 33-13-4 10H

Stage:

23

Processing Office

Office Name: PERFORMANCE TECHNOLOGIES, LLC
Office Address: PO BOX 18837
OKLAHOMA CITY, OK 73154
Phone: 405 262-2441
Service Supervisor: JUSTIN LOVEN
Order Date: 3/13/2014

Service Date: 3/27/2014 9:41:00 AM
PTL District: Canton

Customer Info

Customer Number:
Customer Name: CHESAPEAKE OPERATING INC
Customer Address: PO BOX 18496
OKLAHOMA CITY, OK 731540000

Approved By:

Item	DESCRIPTION	QTY	U/M	RATE	TOTAL
PTL_FSC	STAGE EQUIPMENT CHARGE	1	STG		
PTL_MHC	PROPPANT DELIVERY CHARGE	16673	TM		
PTL_FPC	FLUID PUMP CHARGE	306	GAL		
PTL_PPC	PROPPANT PUMP CHARGE	3335	CWT		
PTL3050	30/50 MESH NORTHERN WHITE SAND	278460	LB		
PTL100	100 MESH NORTHERN WHITE SAND	55000	LB		
PTLAI161	CORROSION INHIBITOR	6	GAL		
PTLIS352	IRON STABILIZER	15	LB		
PTLMP136	15% HCL	3000	GAL		
PTLFR200	FRICTION REDUCER - COLD WATER	141	GAL		
EC6111A	BIOCIDE	86	GAL		
PTLSI372	SCALE INHIBITOR	44	GAL		
PTLGL240	GUAR SLURRY GEL	1020	GAL		
PTLCA102	BORATE CROSSLINKER - INSTANT	160	GAL		
PTLBW112	BREAKER (DRY)	220	LB		
PTL_DAS	DUST ABATEMENT STAGE CHARGE	1			

**CHESAPEAKE ENERGY CORPORATION
ODNR FRAC INFORMATION SHEET**

WELL NAME	Jones A 33-13-4 10H		
COUNTY	Carroll	LOCATION LAT	40.599681
STAGE NUMBER	24	LONG	-80.969457

PRESSURES, PSI	Breakdown	6588
	MIN	7904
	MAX	9204
	AVERAGE	8341
	ISIP	5007
	5 MIN	4193

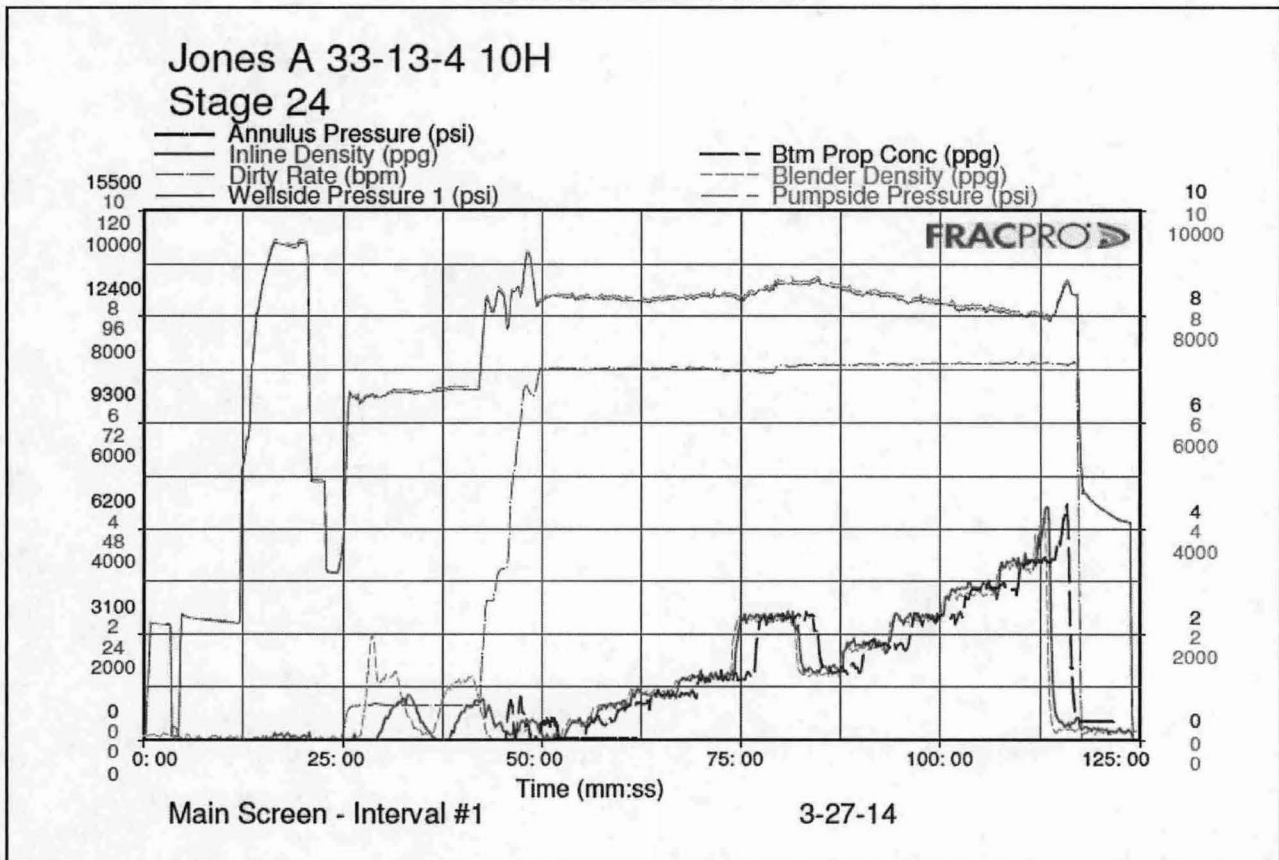
RATES, BPM	MIN	74
	MAX	86
	AVERAGE	84

FRAC FLUID TYPE	5922 bbls Fresh H2O
	0 bbls Recycled H2O

FRAC PROPPANT TYPE	VOLUME, LBS (PER STAGE)
100 Mesh	99828
30/50	229580
	329408

STAGE COST	
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PRESSURE AND RATE CHART





FIELD TICKET

Job Number:

Well #: Jones A 33-13-4 10H

Stage: 24

Processing Office

Office Name: PERFORMANCE TECHNOLOGIES, LLC
Office Address: PO BOX 18837
OKLAHOMA CITY, OK 73154
Phone: 405 262-2441

Field Ticket:
Office Number:

Service Supervisor:
Order Date:

Service Date: 3/27/14
PTL District: Canton

Customer Info

Customer Number:
Customer Name: CHESAPEAKE OPERATING, INC.
Customer Address: PO BOX 18496
OKLAHOMA CITY, OK 73154

Approved by:

Item	DESCRIPTION	QTY	UOM	RATE	TOTAL
PTL_FSC	Stage Equipment Charge	1	Each		
PTL_MHC	Proppant Delivery	16471	Ton Mile		
PTL_MHC	Proppant Delivery	0	Load		
PTL_FPC	Fluid Pump Charge	249	Mgal		
PTL_PPC	Proppant Pump Charge	3294	CWT		
PTL3050	30/50 Mesh Northern White Sand	229580	LB		
PTL100Mesh	100 Mesh Northern White Sand	99839	LB		
PTLAI171	Corrosion Inhibitor	6	Gal		
PTLIS352	Iron Stabilizer	15	LB		
PTLMP136	15% HCl	3000	Gal		
PTLFR200	Friction Reducer	127	Gal		
EC6111A	Biocide	68	Gal		
PTLSI372	Scale Inhibitor	35	Gal		
PTLCS226	Clay Stabilizer	0	Gal		
PTLNE353	Surfactant	0	Gal		
PTLGL341	Liquid Slurry Gel (Guar)	553	Gal		
PTLCA102	Borate Crosslinker	108	Gal		
PTLBW102	Breaker	0	LB		
PTLBW112	Encapsulated Breaker	138	LB		
PTL_DAB	Dust Abatement Setup Charge	0	Each		
PTL_DAS	Dust Abatement Stage Charge	1	Each		