

WPX Energy Rocky Mountain LLC- EBUS

RU 341-7

Nabors 574

Post Job Summary

Cement Production Casing

Date Prepared: 01/17/2015

Job Date: 01/18/2015

Submitted by: Evan Russell – Grand Junction Cement Engineer

The Road to Excellence Starts with Safety

Sold To #: 300721	Ship To #: 3356180	Quote #: 0021977773	Sales Order #: 0902006143
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Customer Rep: GARY VALLAD	
Well Name: YOUBERG	Well #: RU 341-7	API/UWI #: 05-045-22344-00	
Field: RULISON	City (SAP): RIFLE	County/Parish: GARFIELD	State: COLORADO
Legal Description: SE NE-7-7S-93W-2445FNL-379FEL			
Contractor: NABORS DRLG		Rig/Platform Name/Num: NABORS 574	
Job BOM: 7523			
Well Type: DIRECTIONAL GAS			
Sales Person: HALAMERICA\HB50180		Srcv Supervisor: Thomas Ponder	
Job			

Formation Name	
Formation Depth (MD)	Top Bottom
Form Type	BHST
Job depth MD	10189ft Job Depth TVD
Water Depth	Wk Ht Above Floor 3ft
Perforation Depth (MD)	From To

Well Data										
Description	New / Used	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Casing		9.625	9.001	32.3			0	1130		0
Casing		4.5	4	11.6			0	10189		0
Open Hole Section			8.75				1130	10199	0	0

Tools and Accessories									
Type	Size in	Qty	Make	Depth ft		Type	Size in	Qty	Make
Guide Shoe	4.5	1				Top Plug	4.5	1	HES
Float Shoe	4.5	1		10189		Bottom Plug	4.5		
Float Collar	4.5	1		10161		SSR plug set	4.5		
Insert Float	4.5	1				Plug Container	4.5	1	HES
Stage Tool	4.5	1				Centralizers	4.5		

Miscellaneous Materials										
Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc				
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty				

Fluid Data										
Stage/Plug #: 1										
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
1	Fresh Water	Fresh Water	10	bbl	8.34			4		
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/min	Total Mix Fluid Gal	
2	EconoCem GJ2	ECONOCEM (TM) SYSTEM	236	sack	12.7	1.66		7	8.51	

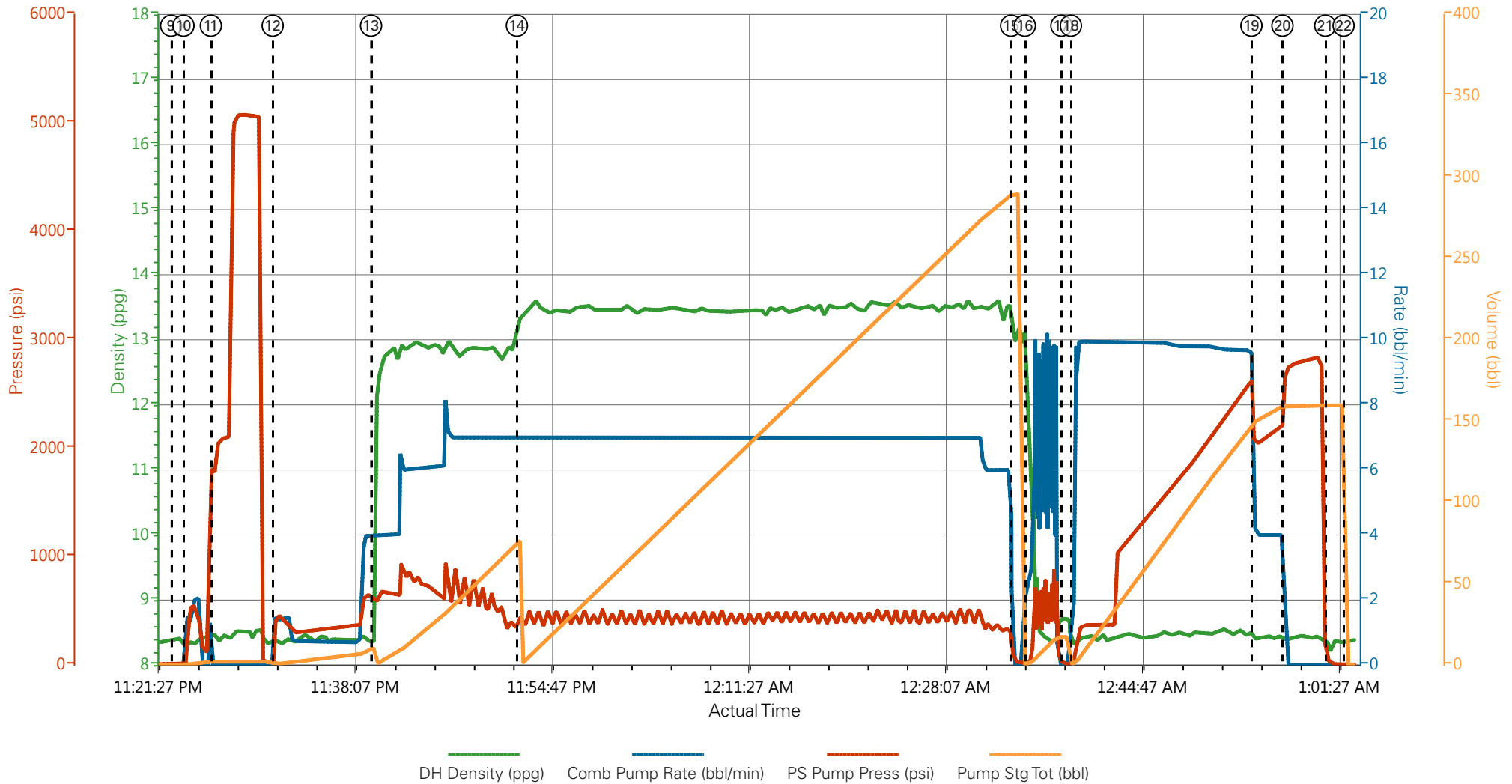
8.69 Gal		FRESH WATER							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
3	ThermaCem GJ2	THERMACEM (TM) SYSTEM	825	sack	13.5	1.74		7	7.61
8 lbm		KOL-SEAL, BULK (100064233)							
7.72 Gal		FRESH WATER							
0.20 %		HR-601, 50 LB BAG (101328348)							
Fluid #	Stage Type	Fluid Name	Qty	Qty UoM	Mixing Density lbm/gal	Yield ft3/sack	Mix Fluid Gal	Rate bbl/mi n	Total Mix Fluid Gal
4	Fresh Water Displacement	Fresh Water Displacement	157.5	bbl	8.34			10	
Cement Left In Pipe	Amount	28 ft		Reason	Shoe Joint				
Comment									

1.1 Job Event Log

Type	Seq. No.	Activity	Date	Time	Source	DH Density (ppg)	Comb Pump Rate (bbl/min)	PS Pump Press (psi)	Pump Stg Tot (bbl)	Comment
Event	1	Call Out	1/16/2015	09:30:00	USER					ON LOCATION TIME @ 1630 ON 01-16-2015
Event	2	Pre-Convoy Safety Meeting	1/16/2015	12:45:00	USER					ALL PERSONNEL INVOLVED WITH CONVOY PRESENT FOR THE MEETING
Event	3	Crew Leave Yard	1/16/2015	13:00:00	USER					ALL VEHICLES LEFT THE YARD AT THE SAME TIME
Event	4	Arrive At Loc	1/16/2015	16:00:00	USER					RIG WAS STILL RUNNING CASING WHEN THE CREW ARRIVED ON LOCATION
Event	5	Assessment Of Location Safety Meeting	1/16/2015	20:00:00	USER					TD - 10199', TP - 10189', SJ - 28', MUD - 10.6 PPG, OPEN HOLE - 8 3/4", SURFACE CASING - 9 5/8" 32.3# H-40 SET @ 1130', PRODUCTION CASING - 4 1/2" 11.6# P-110
Event	6	Pre-Rig Up Safety Meeting	1/16/2015	20:15:00	USER					JSA PERFORMED
Event	7	Rig-Up Equipment	1/16/2015	20:30:00	USER					1 - 550 PICKUP TRUCK, 1 - ELITE PUMPING UNIT, 1 - 660 CUFT BULK TRAILER, 1 - 1700 CUFT STORAGE SILO, 1 - 4 1/2" TOP PLUG, PLUG CONTAINER AND QUICK LATCH, 2" CIRCULATING IRON, 1 - IRON TRAILER
Event	8	Pre-Job Safety Meeting	1/16/2015	23:00:00	USER					ALL HES PRESENT, RIG CREW PRESENT, RIG STARTED CIRCULATING ON BOTTOM @ 2000
Event	9	Start Job	1/16/2015	23:22:49	COM7					RIGGED UP RIG FLOOR WITH STEEL HOSE AND PLUG CONTAINER AS WELL AS A MANIFOLD TO THE 2 STAND PIPES

Event	10	Prime Pumps	1/16/2015	23:23:51	USER	8.33	2	440	2	FILL LINES WITH FRESH WATER
Event	11	Test Lines	1/16/2015	23:26:10	USER		.1	5081	.1	GOOD PRESSURE TEST NO LEAKS IN THE LINES
Event	12	Pump Spacer 1	1/16/2015	23:31:24	COM7	8.33	4	663	10	FRESH WATER
Event	13	Pump Lead Cement	1/16/2015	23:39:44	COM7	12.7	7	842	69.8	236 SKS 12.7 PPG 1.66 FT3/SK 8.51 GAL/SK
Event	14	Pump Tail Cement	1/16/2015	23:52:05	COM7	13.5	7	510	255.7	825 SKS 13.5 PPG 1.74 FT3/SK 7.61 GAL/SK, SLOWED RATE TO 6 BPM AT THE END OF TAIL FOR CEMENT DELIVERY FROM THE STORAGE SILO
Event	15	Shutdown	1/17/2015	00:33:56	USER					
Event	16	Clean Lines	1/17/2015	00:35:06	COM7					WASH UP PUMPS AND LINES TO CUTTINGS PIT
Event	17	Drop Top Plug	1/17/2015	00:38:11	USER					PLUG DROP VERIFIED VIA TATTLE TELL BY CO REP
Event	18	Pump Displacement	1/17/2015	00:38:59	COM7	8.5	10	2618	147.5	FRESH WATER, 1 - GAL MMCR, 3# BE-6, 2% KCL SUPPLIED BY THE RIG
Event	19	Slow Rate	1/17/2015	00:54:16	USER	8.5	4	2028	10	GOOD RETURNS THROUGH OUT THE JOB
Event	20	Bump Plug	1/17/2015	00:56:54	USER	8.5	4	2233	157.5	PLUG BUMPED
Event	21	Check Floats	1/17/2015	01:00:31	USER			2850	157.5	FLOATS HELD, 1 1/2 BBL BACK TO THE DISPLACEMENT TANKS
Event	22	End Job	1/17/2015	01:02:05	COM7					THANK YOU FOR CHOOSING HALLIBURTON, THOMAS PONDER AND CREW

WPX - YOUBERG RU 341-7 - 4.5 IN PRODUCTION



- | | | | |
|---|--------------------------|---------------------|------------|
| ① Call Out | ⑧ Pre-Job Safety Meeting | ⑮ Shutdown | 22 End Job |
| ② Pre-Convoy Safety Meeting | ⑨ Start Job | ⑯ Clean Lines | |
| ③ Crew Leave Yard | ⑩ Prime Pumps | ⑰ Drop Top Plug | |
| ④ Arrive At Loc | ⑪ Test Lines | ⑱ Pump Displacement | |
| ⑤ Assessment Of Location Safety Meeting | ⑫ Pump Spacer 1 | ⑲ Slow Rate | |
| ⑥ Pre-Rig Up Safety Meeting | ⑬ Pump Lead Cement | 20 Bump Plug | |
| ⑦ Rig-Up Equipment | ⑭ Pump Tail Cement | 21 Check Floats | |

▼ **HALLIBURTON** | iCem® Service

Created: 2015-01-16 17:34:02, Version: 3.0.121

Edit

Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS

Job Date: 1/16/2015 9:58:02 PM

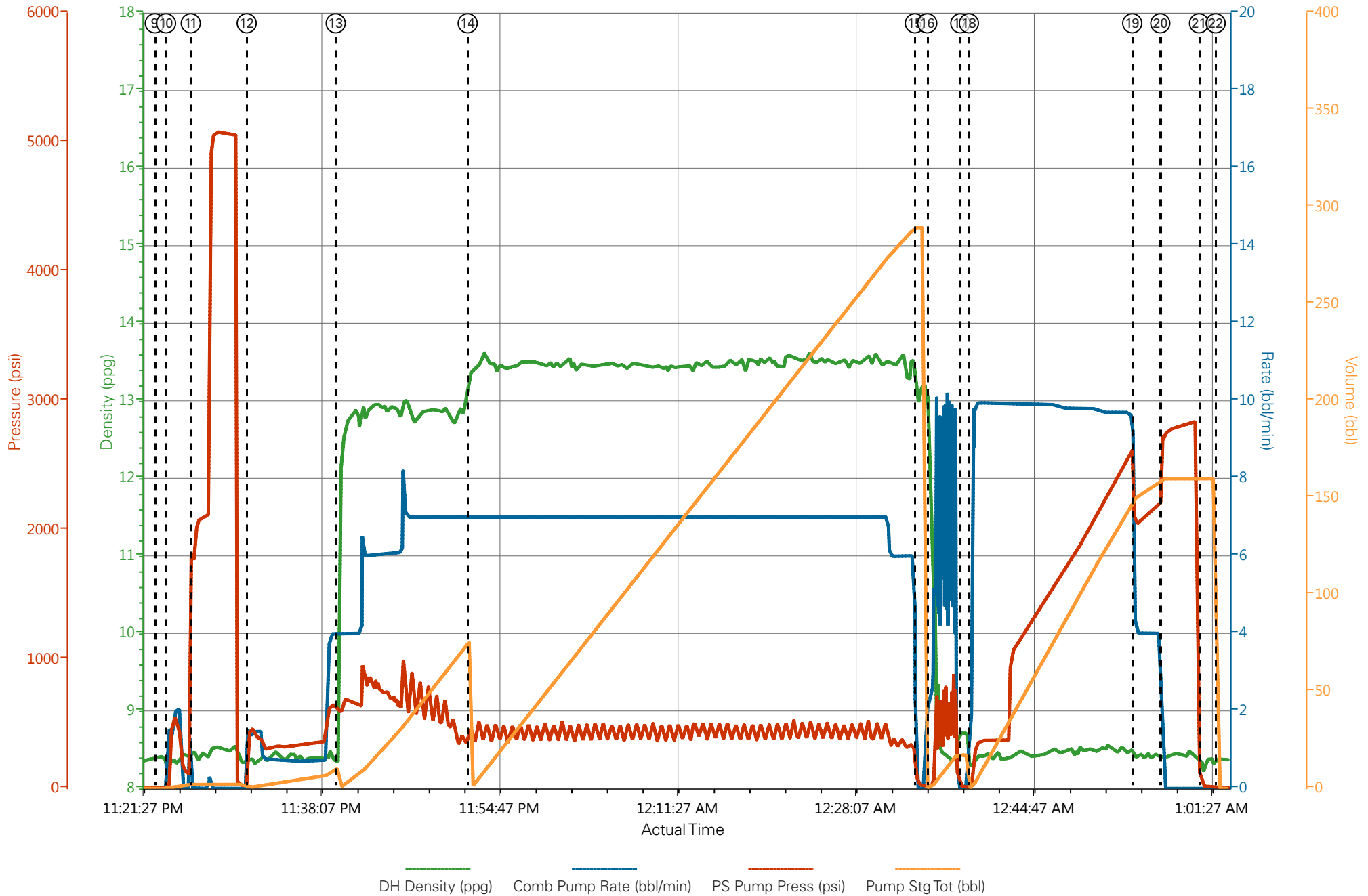
Well: YOUBERG RU 341-7

Representative: GARY VALLAD

Sales Order #: 902006143

ELITE #6: ADAM ANGELO /TRAVIS BROWN
THOMAS PONDER

WPX - YOUBERG RU 341-7 - 4.5 IN PRODUCTION



DH Density (ppg) Comb Pump Rate (bbl/min) PS Pump Press (psi) Pump Stg Tot (bbl)

HALLIBURTON

Company: WPX Date: 1/17/2015
Submitted by: THOMAS PONDER Date Rec.: 1/17/2015
Attention: LARRY COOKSEY S.O.# 902006143
Lease YOUBERG Job Type: PRODUCTION
Well # RU 341-7

Specific Gravity *MAX* **1**
pH *8* **7**
Potassium (K) *5000* **250 Mg / L**
Calcium (Ca) *500* **120 Mg / L**
Iron (FE2) *300* **0 Mg / L**
Chlorides (Cl) *3000* **0 Mg / L**
Sulfates (SO₄) *1500* **<200 Mg / L**
Carbonates hardness
Temp *40-80* **38.2 Deg**
Total Dissolved Solids **485 Mg / L**

Respectfully: THOMAS PONDER
Title: CEMENTING SUPERVISOR
Location: GRAND JCT, CO

Sales Order #: 0902006143	Line Item: 10	Survey Conducted Date: 1/17/2015
Customer: WPX ENERGY ROCKY MOUNTAIN LLC-EBUS		Job Type (BOM): CMT PRODUCTION CASING BOM
Customer Representative: GARY VALLAD		API / UWI: (leave blank if unknown) 05-045-22344-00
Well Name: YOUBERG		Well Number: 0080456564
Well Type: DIRECTIONAL GAS	Well Country: USA	
H2S Present: No	Well State: COLORADO	Well County: GARFIELD

Dear Customer,

We hope that you were satisfied with the service quality of this job performed by Halliburton. It is the aim of our management and service personnel to deliver equipment and service of a standard unmatched in the service sector of the energy industry.

Please take the time to let us know if our performance met with your satisfaction. Please be as critical as possible to ensure we constantly improve our service. Your comments are of great value to us and are intended for the exclusive use of Halliburton.

CUSTOMER SATISFACTION SURVEY

CATEGORY	CUSTOMER SATISFACTION RESPONSE	
Survey Conducted Date	The date the survey was conducted	1/17/2015
Survey Interviewer	The survey interviewer is the person who initiated the survey.	HX41187
Customer Participation	Did the customer participate in this survey? (Y/N)	Yes
Customer Representative	Enter the Customer representative name	GARY VALLAD
HSE	Was our HSE performance satisfactory? Circle Y or N	Yes
Equipment	Were you satisfied with our Equipment? Circle Y or N	Yes
Personnel	Were you satisfied with our people? Circle Y or N	Yes
Customer Comment	Customer's Comment	GOOD JOB

CUSTOMER SIGNATURE

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KEY PERFORMANCE INDICATORS

General	
Survey Conducted Date	1/17/2015
The date the survey was conducted	

Cementing KPI Survey	
Type of Job	0
Select the type of job. (Cementing or Non-Cementing)	
Select the Maximum Deviation range for this Job	High Angle
What is the highest deviation for the job you just completed? This may not be the maximum well deviation.	
Total Operating Time (hours)	4
Total Operating Hours Including Rig-up, Pumping, Rig-down. Enter in decimal format.	
HSE Incident, Accident, Injury	No
HSE Incident, Accident, Injury. This should be recordable incidents only.	
Was the job purpose achieved?	Yes
Was the job delivered correctly as per customer agreed design?	
Pumping Hours	2
Total number of hours pumping fluid on this job. Enter in decimal format.	
Type of Rig Classification Job Was Performed	Drilling Rig (Portable)
Type Of Rig (classification) Job Was Performed On	
Number Of JSAs Performed	6
Number Of Jsas Performed	
Was this a Primary Cement Job (Yes / No)	Yes
Primary Cement Job= Casing job, Liner job, or Tie-back job.	
Number of Unplanned Shutdowns	0
Unplanned shutdown is when injection stops for any period of time.	
Customer Non-Productive Rig Time (hrs)	0

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H2S Present: No	Well State: COLORADO	Well County: GARFIELD

Lost time due to Halliburton in the start, execution, or completion of an ordered service or product, or delays in a follow-on service. Enter in decimal format. 0 if none.	
Was the non productive time or the unplanned shutdown caused by a problem with a piece of equipment? Was the non productive time or the unplanned shutdown caused by a problem with a piece of equipment?	No
Did We Run Wiper Plugs? Did We Run Top And Bottom Casing Wiper Plugs?	Top
If a top plug was run, was the plug bumped? (Yes/No/N/A) If a top plug was run, was the plug bumped? (Yes/No/N/A)	Yes
If applicable, was Halliburton float equipment used? (Yes/No/N/A) If applicable, was Halliburton float equipment used? (Yes/No/N/A)	No
If applicable, did the floats hold? (Yes/No/N/A) If applicable, did the floats hold? (Yes/No/N/A)	Yes
Mixing Density of Job Stayed in Designed Density Range (0-100%) Density Range defined as +/- .20 ppg. Calculation: Total BBLs cement mixed at designed density divided by total BBLs of cement multiplied by 100	99
Pump Rate (percent) of Job Stayed At Designed Pump Rate Pump Rate range defined as +/- 1bbl/min. Calculation: Total BBLs of fluid pumped at the designed rate divided by Total BBLs of fluid pumped, multiplied by 100	99
If applicable, were there returns throughout the job? (Yes/No/N/A) If applicable, were there returns throughout the job? (Yes/No/N/A)	Yes
Nbr of Remedial Plug Jobs Rqd - HES Number Of Remedial Plug Jobs Needed After Primary Plug Pumped By HES	0
Nbr of Remedial Sqz Jobs Rqd - HES Number Of Remedial Squeeze Jobs Required After Primary Job Performed By HES	0