



Service Order #: 73117

Date: 30-May-18

Well Name	Location	County	St	API#		
USX BB 35-02	70 RANCH	WELD	CO			
Formation	Cement Via	Type Of Service	Well Type	Age	AFE#	PO#
	TUBING	PLUG		REWORK		

Customer: NOBLE ENERGY

Remarks: SAFETY MEETING  
20 SKS, 5.4 BBLs  
CASING 6174' - 5826' ✓  
25 SKS, 5.1 BBLs  
CASING 2500' - 2171'

Customer Rep: C. MATHIAS

PH:

WELLBORE DATA				
Type	Size	Weight	Depth	Volume
Surface Casing:				
Production Casing:	4.500	11.6	6,174.0	
Intermediate:				
Drill Pipe:				
Tubing:	2.375	4.7	6,174.0	

Type	Size	Depth (Top)	Depth (Bot)	Volume
Liner:				
Open Hole:				

OTHER DATA		
BHT	Max PSI	Total Depth

Packer or Retainer Type / Depth:

CIBP	6,174.0
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Perf Depths:	#	Total
	0	0
	0	
	0	

TIME	PUMP RATES		DENSITY (lb/gal)	PRESS (psi)	STG TOT (bbls)	TOTAL (bbls)	REMARKS
	WATER (gpm)	PUMP (bpm)					
15:03	0	0.0	7.00	2,735	0.2	0.2	PSI TEST
15:04	0	0.0	7.00	11	0.2	0.2	H2O SPACER
15:12	0	1.1	15.31	138	9.1	9.1	END SPACER / START CMT
15:15	220	1.9	15.30	0	5.4	14.5	END CMT / START DISPLACEMENT
15:25	0	0.1	7.00	0	22.0	36.7	OFF LINE
16:39	0	0.0	7.00	0	0.0	0.0	H2O SPACER
16:47	0	2.1	15.91	173	10.0	10.0	END SPACER / START CMT
16:49	0	2.4	14.81	33	5.2	15.3	END CMT / START DISPLACEMENT
16:56	81	0.0	7.20	0	8.0	23.4	OFF LINE

Summary

Max Fl. Rate Avg Fl. Rate Max Psi Avg Psi  
2.4 1.0 2,735 76

Customer Acknowledgement:

Service Rating:

- ☐ Satisfactory  
☐ Unsatisfactory

Cementer:

S. BOHLEN

PRODUCTS USED

THERMAL BLEND, 1.53 YEILD, 15.8 LBS/GAL  
CLASS G, 1.15 YEILD, 15.8 LBS/GAL



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USX BB 35-02	70 RANCH	WELD	CO			
Formation	Cement Via	Type Of Service	Well Type	Age	AFE#	PO#
	TUBING	PLUG		REWORK		

Customer: NOBLE ENERGY

Remarks: SAFETY MEETING  
500 SKS, 113 BBLS  
1290' - 120'  
27 SKS, 5.5 BBLS  
120' - 0'

Customer Rep: C. MATHIAS

PH:

WELLBORE DATA				
Type	Size	Weight	Depth	Volume
Surface Casing:	8.625	24.0	563.0	
Production Casing:	4.500	11.6	1,290.0	
Intermediate:				
Drill Pipe:				
Tubing:	2.375	4.7	1,290.0	

Type	Size	Depth (Top)	Depth (Bot)	Volume
Liner:				
Open Hole:	9.000	563.0	1,240.0	

OTHER DATA		
BHT	Max PSI	Total Depth

Packer or Retainer Type / Depth:

Perf Depths:	#	Total
	0	0
	0	
	0	

TIME	PUMP RATES		DENSITY	PRESS	STG TOT	TOTAL	REMARKS
	WATER (gpm)	PUMP (bpm)	(lb/gal)	(psi)	(bbl/s)	(bbl/s)	
13:53	0	0.0	7.00	3,267	9.8	25.1	PSI TEST
13:54	0	0.0	7.00	6	0.0	0.0	H2O SPACER
13:56	0	2.3	7.00	82	6.0	6.0	END SPACER / START MUD FLUSH
14:01	87	2.3	16.57	107	10.0	16.0	END MUD FLUSH / START H2O SPACER
14:05	0	1.2	15.85	19	5.0	21.4	END SPACER / START CMT
15:15	0	0.7	15.19	212	113.1	134.5	OFF LINE
7:58	48	0.0	15.61	4	0.0	0.0	TOP OFF CMT
8:06	0	0.1	15.58	22	5.6	5.6	OFF LINE

Summary

Max Fl. Rate	Avg Fl. Rate	Max Psi	Avg Psi
2.3	2.1	3,272	309

Customer Acknowledgement:

Service Rating:

- ☐ Satisfactory  
☐ Unsatisfactory

Cementer:

S. BOHLEN

PRODUCTS USED

CLASS G CMT  
1.15 YEILD, 15.8 LBS/GAL