



Service Order #: 74045

Date: 04-Aug-18

Well Name	Location	County	St	API#		
JOHN 3-26		WELD	CO			
Formation	Cement Via	Type Of Service	Well Type	Age	AFE#	PO#
	TUBING	PLUG		REWORK		

Customer: NOBLE ENERGY

Remarks: THERMAL BLEND, 1.53 YIELD, 15.8 LBS/GAL
30 SKS, 8.1 BBLs
7046' - 6523'CLASS G CEMENT, 1.15 YIELD, 15.8 LBS/GAL
50 SKS, 10.2 BBLs
4650' - 3992'

Customer Rep: CHRIS MATHIAS PH:

WELLBORE DATA				
Type	Size	Weight	Depth	Volume
Surface Casing:				
Production Casing:	4.500	11.6	7,046.0	
Intermediate:				
Drill Pipe:				
Tubing:	2.375	4.7	7,046.0	

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

OTHER DATA		
BHT	Max PSI	Total Depth
	800	7,043.0

Packer or RetainerType / Depth:

Perf Depths:	#	Total
	0	0
	0	
	0	

TIME	PUMP RATES		DENSITY	PRESS	STG TOT	TOTAL	REMARKS
	WATER (gpm)	PUMP (bpm)	(lb/gal)	(psi)	(bbls)	(bbls)	
7:52	0	0.1	6.88	3,537	0.1	0.1	PSI TEST
7:53	0	0.8	6.88	0	0.0	0.0	H2O SPACER
8:00	0	0.7	15.82	54	5.0	5.0	CEMENT
8:04	0	2.0	15.91	0	8.1	13.1	DISPLACEMENT
8:20	33	2.5	6.88	0	25.0	47.5	OFF LINE
9:27	0	0.5	6.88	0	0.0	0.0	H2O SPACER
9:34	4	0.8	15.68	51	5.0	5.0	CEMENT
9:39	0	2.2	16.03	29	10.2	15.2	DISPLACEMENT
9:45	0	0.0	8.55	0	14.0	29.9	OFF LINE
9:50	0	0.0	7.08	7	14.0	29.9	Paused 09:50:25

Summary

Max Fl. Rate	Avg Fl. Rate	Max Psi	Avg Psi
2.5	0.9	3,537	37

Customer Acknowledgement:

Service Rating:

- ☐ Satisfactory
☐ Unsatisfactory

Cementer:

RAFAEL GARCIA

PRODUCTS USED



Service Order #: 74046

Date: 06-Aug-18

Well Name	Location	County	St	API#		
JOHN 3-26		WELD	CO			
Formation	Cement Via	Type Of Service	Well Type	Age	AFE#	PO#
	TUBING	PLUG		REWORK		

Customer: NOBLE ENERGY

Remarks: CLASS G CEMENT, 1.15 YIELD, 15.8 LBS/GAL
165 SKS, 33.7 BBLS
TOC IN CASING - 2400' - 2271
TOC IN ANNULUS - 2500' - 1988'

Customer Rep: CHRIS MATHIAS PH:

WELLBORE DATA				
Type	Size	Weight	Depth	Volume
Surface Casing:				
Production Casing:	4.500	11.6	2,500.0	
Intermediate:				
Drill Pipe:				
Tubing:	2.375	4.7	2,400.0	

Type	Size	Depth (Top)	Depth (Bot)	Volume
Liner:				
Open Hole:	9.000			

OTHER DATA		
BHT	Max PSI	Total Depth
	1,100	2,500.0

Packer or RetainerType / Depth:

Perf Depths:	#	Total
	0	0
	0	
	0	

TIME	PUMP RATES		DENSITY	PRESS	STG TOT	TOTAL	REMARKS
	WATER (gpm)	PUMP (bpm)	(lb/gal)	(psi)	(bbls)	(bbls)	
8:47	0	1.1	6.88	0	1.9	1.9	ANNOTATION
8:54	0	0.0	6.88	2,567	5.9	5.9	PSI TEST
8:55	0	0.7	6.88	0	0.0	0.0	H2O SPACER
8:58	0	2.0	6.88	914	5.0	5.0	MUDFLUSH
9:04	0	2.0	15.74	470	10.4	15.5	H2O SPACER
9:06	0	2.0	15.65	420	5.0	20.6	CEMENT
9:23	0	2.0	16.26	115	33.7	54.3	DISPACEMENT
9:27	0	0.1	8.35	0	7.2	63.0	OFF LINE

Summary

Max Fl. Rate	Avg Fl. Rate	Max Psi	Avg Psi
2.0	1.8	2,567	283

Customer Acknowledgement:

Service Rating:

- ☐ Satisfactory
☐ Unsatisfactory

Cementer:

RAFAEL GARCIA

PRODUCTS USED



Service Order #: 74047

Date: 07-Aug-18

Well Name	Location	County	St	API#		
JOHN 3-26		WELD	CO			
Formation	Cement Via	Type Of Service	Well Type	Age	AFE#	PO#
	TUBING	PLUG		REWORK		

Customer: NOBLE ENERGY

Remarks: CLASS G CEMENT, 1.15 YIELD, 15.8 LBS/GAL
400 SKS, 82 BBLS
927' - 0 SURFACE

Customer Rep:

PH:

WELLBORE DATA				
Type	Size	Weight	Depth	Volume
Surface Casing:	8.625	24.0	677.0	
Production Casing:	4.500	11.6	927.0	
Intermediate:				
Drill Pipe:				
Tubing:	2.375	4.7	4.7	

Type	Size	Depth (Top)	Depth (Bot)	Volume
Liner:				
Open Hole:	9.000	677.0	877.0	

OTHER DATA		
BHT	Max PSI	Total Depth
	260	927.0

Packer or RetainerType / Depth:

Perf Depths:	#	Total
	0	0
	0	
	0	

TIME	PUMP RATES		DENSITY	PRESS	STG TOT	TOTAL	REMARKS
	WATER (gpm)	PUMP (bpm)	(lb/gal)	(psi)	(bbls)	(bbls)	
9:46	0	0.0	6.88	2,709	5.9	5.9	PSI TEST
9:48	0	0.4	6.88	0	0.0	0.0	MUDFLUSH
10:06	0	0.0	15.23	7	3.9	3.9	MUDFLUSH
11:30	0	1.3	16.07	94	6.0	6.0	H2O SPACER
11:33	0	2.0	15.68	152	5.0	11.0	CEMENT
12:05	0	1.2	15.86	53	73.3	84.4	CEMENT TO SURFACE

Summary

Max FI. Rate	Avg FI. Rate	Max Psi	Avg Psi
2.0	1.9	2,709	105

Customer Acknowledgement:

Service Rating:

- ☐ Satisfactory
☐ Unsatisfactory

Cementer:

PRODUCTS USED