



Service Order #: 74055

Date: 22-Aug-18

Well Name	Location	County	St	API#		
SWANSON 28-21		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
35 SKS, 9.5 BBLS
7048'- 6402'
CLASS G CEMENT, 1.15 YIELD, 15.8 LBS/GAL
37 SKS, 7.5 BBLS
2500' - 2000'

Customer Rep:

PH:

WELLBORE DATA				
Type	Size	Weight	Depth	Volume
Surface Casing:				
Production Casing:	4.500	13.5	7,048.0	
Intermediate:				
Drill Pipe:				
Tubing:	2.375	4.7	7,048.0	

OTHER DATA		
BHT	Max PSI	Total Depth
	380	7,048.0

Packer or RetainerType / Depth:

Perf Depths:	#	Total
	0	0
	0	
	0	

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

TIME	PUMP RATES		DENSITY	PRESS	STG TOT	TOTAL	REMARKS
	WATER (gpm)	PUMP (bpm)	(lb/gal)	(psi)	(bbls)	(bbls)	
7:47	0	0.2	6.88	2,842	0.1	0.1	PSI TEST
7:48	0	0.1	6.88	13	0.0	0.0	H2O SPACER
7:52	49	0.9	15.79	123	5.0	5.0	CEMENT
7:57	0	2.0	15.89	43	9.5	14.7	DISPLACEMENT
8:09	0	1.1	6.88	41	24.3	39.3	OFF LINE
14:00	0	0.0	6.88	0	0.0	39.3	H2O SPACER
14:04	0	2.1	15.58	246	5.0	44.3	CEMENT
14:07	0	2.1	14.97	7	7.6	52.0	DISPLACEMENT
14:11	0	1.9	14.92	113	7.7	59.8	OFF LINE
14:15	0	0.0	15.47	0	7.9	60.0	Paused 14:15:36

Summary

Max Fl. Rate	Avg Fl. Rate	Max Psi	Avg Psi
2.1	1.8	2,845	107

Customer Acknowledgement:

Service Rating:

- ☐ Satisfactory
☐ Unsatisfactory

Cementer:

PRODUCTS USED



Service Order #: 74056

Date: 23-Aug-18

Well Name	Location	County	St	API#		
SWANSON 28-21		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
63 SKS, 13 BBLS
644' - 0' (SURFACE)

Customer Rep: CODY JONES

PH:

WELLBORE DATA				
Type	Size	Weight	Depth	Volume
Surface Casing:				
Production Casing:	4.500	13.5	644.0	
Intermediate:				
Drill Pipe:				
Tubing:	2.375	4.7	644.0	
Type	Size	Depth (Top)	Depth (Bot)	Volume
Liner:				
Open Hole:				

OTHER DATA		
BHT	Max PSI	Total Depth
	250	644.0

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)	
8:06	0	0.1	6.88	2,978	0.1	0.1	PSI TEST
8:07	0	0.9	6.88	13	0.0	0.0	H2O SPACER
8:10	52	1.0	15.77	13	5.0	5.0	CEMENT
8:16	0	2.1	16.02	282	11.7	16.7	CEMENT TO SURFACE

Summary

Max Fl. Rate	Avg Fl. Rate	Max Psi	Avg Psi
2.1	1.6	2,978	85

SWANSON 28-21	
Project / Lease Name	
425774689	
AFE / RC Number	
P&A	247036
Task	Acct Code
Kevin Monaghan	
Oracle 1st Approver	
codyjones	
Approved By	
08/24/2018	
Date	

Service Rating:

- ☐ Satisfactory
☐ Unsatisfactory

Cementer:

RAFAEL GARCIA

PRODUCTS USED