



Service Order #: 74066

Date: 10-Sep-18

Well Name	Location	County	St	API#		
SWANSON 28-23		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  
 20 SKS, 5.4 BBLS  
 6848' - 6499'  
 CLASS G CEMENT 1.15 YIELD, 15.8 LBS/GAL  
 25 SKS, 5.1 BBLS  
 2500' - 2171'

Customer Rep: CODY JONES PH:

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

OTHER DATA		
BHT	Max PSI	Total Depth
	350	6,848.0

Packer or Retainer Type / 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/gl)	(psi)	(bbls)	(bbls)	
13:20	0	0.2	6.88	3,016	0.1	0.1	PSI TEST
13:21	0	0.3	6.88	0	0.0	0.0	H2O SPACER
13:24	49	0.9	15.54	87	5.0	5.0	CEMENT
13:28	0	2.1	22.86	77	5.4	11.7	DISPLACEMENT
13:41	0	2.0	6.88	362	25.0	37.4	OFF LINE
15:28	0	0.0	6.88	0	0.0	0.0	H2O SPACER
15:32	0	2.2	13.50	0	5.0	5.0	CEMENT
15:38	0	2.0	16.22	0	5.1	15.2	DISPLACEMENT
15:47	0	2.0	8.36	0	8.2	23.7	OFF LINE

Summary

Max Fl. Rate Avg Fl. Rate Max Psi Avg Psi  
 3,016 129



SWANSON 28-23

**Project / Lease Name**  
425774692

**AFE / RC Number**

**P&A** 247036

**Task** **Acct Code**

**Kevin Monaghan**  
Oracle 1st Approver

*codyjones*  
**Approved By**

**09/10/2018**  
**Date**

Service Rating:  
 Satisfactory  
 Unsatisfactory

Cementer:  
 RAFAEL GARCIA

PRODUCTS USED



Service Order #: 75406C

Date: 11-Sep-18

Well Name	Location	County	St	API#		
SWANSON 28-23		WELD	CO	05-123-22742		
Formation	Cement Via	Type Of Service	Well Type	Age	AFE#	PO#
	TUBING	PLUG	GAS	REWORK	425774692	

Customer: NOBLE ENERGY, INC.

Remarks:

\*Cement Plug\*

Cement Pumped: 13 bbls / 64 sks  
(Length: 569 - 0)

\*Cement To Surface @ 9.5 bbls Into Cement\*

Customer Rep: CODY JONES

PH:

WELLBORE DATA				
Type	Size	Weight	Depth	Volume
Surface Casing:	8.625	24.0	369.0	
Production Casing:	4.500	11.6	7,240.0	
Intermediate:				
Drill Pipe:				
Tubing:	2.375	4.7	569.0	

OTHER DATA		
BHT	Max PSI	Total Depth
	500	569.0

Packer or RetainerType / Depth:

Perf Depths:	#	Total

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

TIME	PUMP RATES		DENSITY (lb/gl)	PRESS (psi)	STG TOT (bbls)	TOTAL (bbls)	REMARKS
	WATER (gpm)	PUMP (bpm)					
8:14	0	0.5	7.00	1,844		0.1	PSI TEST LINES
8:16	0	0.0	7.00	40		0.0	ESTABLISH CIRCULATION
8:17	0	1.9	7.00	35		3.0	CIRCULATION ESTABLISHED - SHUT DOWN
8:20	0	0.0	7.90	0		0.0	BATCH UP CEMENT TO 15.8 PPG
8:23	40	0.0	15.97	0		0.0	PUMP CEMENT
8:27	52	2.1	15.67	241		9.6	CEMENT TO SURFACE
8:28	0	2.1	15.88	268		11.6	END CEMENT
8:30	0	0.0	16.01	24		11.6	DISPLACE 1 BBL H2O
8:31	0	1.1	16.02	138		12.7	SHUT DOWN
8:32	0	0.0	16.04	0		12.7	RIG POOH
8:55	0	0.0	15.57	0		0.0	TOP OFF WELL
8:57	0	0.9	15.33	11		1.5	SHUT DOWN
8:58	0	0.0	15.04	0		1.5	END JOB

SWANSON 28-23	
Project / Lease Name 425774692	
AFE / RC Number	
P&A	247036
Task	Acct Code
<b>Kevin Monaghan</b> Oracle 1st Approver	
<i>codyjones</i> Approved By	
09/11/2018	
Date	

849 x Psi      Avg Psi  
95

Service Rating:  
 Satisfactory  
 Unsatisfactory

Cementer:  
CORY THAUT

PRODUCTS USED
*Cement: Class G (neat) - Density: 15.8 ppg / Yield: 1.15