



Service Order #: 70,024C

Date: 27-Apr-16

Well Name	Location	County	St	API#		
SPIKE ST GWS C24-9		WELD	CO	05-123-15809		
Formation	Cement Via	Type Of Service	Well Type	Age	AFE#	PO#
	TUBING	ANNULAR FILL		REWORK		

Customer: NOBLE ENERGY

Remarks: CLASS G CMT, 1.15 YIELD, 15.8#

480 SKS, 98.3 BBLS @ 1600'-0' ANNULUS

Customer Rep: PETE

PH:

WELLBORE DATA				
Type	Size	Weight	Depth	Volume
Surface Casing:	8.625	24.0	390.0	
Production Casing:	2.875	6.5		
Intermediate:				
Drill Pipe:				
Tubing:	1.250		1,600.0	

Type	Size	Depth (Top)	Depth (Bot)	Volume
Liner:				
Open Hole:	8.000	390.0	1,600.0	

OTHER DATA		
BHT	Max PSI	Total Depth
	2,500	1,600.0

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)	
11:17	0	0.0	7.52	2,855	0.2	0.2	PSI TEST IRON
11:20	1	0.0	14.91	0	0.0	0.4	START H2O SPACER
11:24	0	2.0	15.90	713	3.1	3.5	BROKE CIRCULATION START CMT
12:20	0	0.0	15.83	0	118.6	122.1	CMT TO TANK OFFLINE

Summary

Max Fl. Rate	Avg Fl. Rate	Max Psi	Avg Psi
2.0	1.6	2,941	1,115

Customer Acknowledgement:

Service Rating:

- ☐ Satisfactory
☐ Unsatisfactory

Cementer:

A.HOWELL

PRODUCTS USED