



Service Order #: 70,248

Date: 21-Aug-18

Well Name	Location	County	St	API#		
KOOP 1		WELD	CO			
Formation	Cement Via	Type Of Service	Well Type	Age	AFE#	PO#
	TUBING	PLUG		REWORK		

Customer: BISON OIL AND GAS

Remarks: CLASS G CMT, 1.15 YIELD, 15.8 LBS/GAL

70 SKS, 14.3, @ 1564'-1334'
DID NOT CIRCULATE

260 SKS, 53.2 BBLs, @552' NO RETURNS TO SURFACE

Customer Rep: JASON

PH:

WELLBORE DATA

Type	Size	Weight	Depth	Volume
Surface Casing:	8.625	24.0	510.0	
Production Casing:				
Intermediate:				
Drill Pipe:				
Tubing:	2.875	6.5	1,564.0	

OTHER DATA

BHT	Max PSI	Total Depth
	450	1,564.0

Packer or RetainerType / Depth:

Perf Depths:	#	Total
	0	0
	0	
	0	

Type	Size	Depth (Top)	Depth (Bot)	Volume
Liner:				
Open Hole:	8.000	510.0	1,564.0	

TIME	PUMP RATES		DENSITY	PRESS	STG TOT	TOTAL	REMARKS
	WATER (gpm)	PUMP (bpm)	(lb/gal)	(psi)	(bbls)	(bbls)	
12:26	0	0.0	6.88	1,818	0.1	0.1	PSI TEST
12:27	0	0.0	6.88	79	0.0	0.0	H2O SPACER
12:33	0	2.2	16.11	409	7.9	7.9	NO CIRCULATION START CMT
12:40	0	2.2	13.15	49	14.3	22.7	START DISPLACEMENT
12:42	0	0.1	8.05	0	5.5	28.8	OFFLINE
13:17	0	0.0	7.98	7	0.0	28.8	H2O SPACER
13:25	51	2.5	15.63	273	20.5	49.3	START CMT
13:46	0	2.0	14.38	267	54.1	103.7	START DISPLACEMENT
13:47	10	0.0	12.04	189	1.7	105.5	OFFLINE
13:55	0	0.0	9.99	19	0.0	105.5	ANNOTATION
13:59	0	4.1	14.85	180	0.4	105.8	Paused 13:59:46

Summary

Max Fl. Rate	Avg Fl. Rate	Max Psi	Avg Psi
4.1	2.3	2,022	207

Customer Acknowledgement:

Service Rating:

- ☐ Satisfactory
☐ Unsatisfactory

Cementer:

A.HOWELL

PRODUCTS USED