



Service Order #: 74450

Date: 17-Oct-20

Well Name	Location	County	St	API#		
LEONARD 1		WELD	CO	05-123-08557		
Formation	Cement Via	Type Of Service	Well Type	Age	AFE#	PO#
	TUBING	PLUG		REWORK		

Customer: CRESTONE PEAK

Remarks: PUMPED 1.6 BBL SAND PLUG FROM 7961' - 7856'
THERMAL BLEND, 1.52 YIELD, 15.8 LBS/GAL
30 SKS, 8.1 BBLs CEMENT
EST TOC 7856' - 7333'
70 SKS, 18.9 BBL CEMENT
EST TOC IN CASING 6935' - 6761'
EST TOC IN ANNULUS 6950' - 6558'

Customer Rep: CARL RAYAS

PH:

WELLBORE DATA				
Type	Size	Weight	Depth	Volume
Surface Casing:				
Production Casing:	4.500	11.6	7,961.0	
Intermediate:				
Drill Pipe:				
Tubing:	2.375	4.7	7,961.0	
Type	Size	Depth (Top)	Depth (Bot)	Volume
Liner:				
Open Hole:	7.875			

OTHER DATA		
BHT	Max PSI	Total Depth
	1,500	7,961.0

Packer or RetainerType / Depth:

RETAINER	6,935.0
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Perf Depths:	#	Total
6,950.0	0	0
	0	
	0	

TIME	PUMP RATES		DENSITY	PRESS	STG TOT	TOTAL	REMARKS
	WATER (gpm)	PUMP (bpm)	(lb/gal)	(psi)	(bbls)	(bbls)	
11:22	0	0.0	8.01	2,914	66.3	76.3	PSI TEST / KICK OUT TEST
11:24	0	0.0	8.01	16	0.0	0.0	START OF SAND PLUG
11:27	152	0.8	8.01	16	1.6	1.6	START OF DISPLACEMENT
11:50	0	0.0	8.01	0	26.2	36.9	OFF LINE
12:01	0	0.0	11.94	5	0.0	0.0	START OF 5 BBL SPACER
12:04	0	2.5	15.57	5	5.0	5.0	START OF CEMENT
12:08	0	2.0	14.82	34	8.1	13.2	START OF DISPLACEMENT
12:19	0	0.0	8.11	0	27.0	40.7	OFF LINE
15:22	0	0.0	8.00	5	0.0	0.0	PSI TEST CASING TO 520 PSI
15:38	0	0.0	8.01	539	0.3	0.3	OFF LINE
18:07	0	0.0	8.01	5	0.0	0.0	START OF 5 BBL INJECTION RATE
18:14	37	0.0	14.71	142	5.1	5.1	START OF CEMENT
18:25	23	2.0	14.37	601	18.9	24.0	END OF CEMENT / START OF DISPLACEMENT
18:38	0	2.0	8.01	1,373	24.1	48.9	OFF LINE

Summary

Max Fl. Rate	Avg Fl. Rate	Max Psi	Avg Psi
2.5	1.1	2,982	344

Customer Acknowledgement:

carl rayas

Service Rating:

☒ Satisfactory
☐ Unsatisfactory

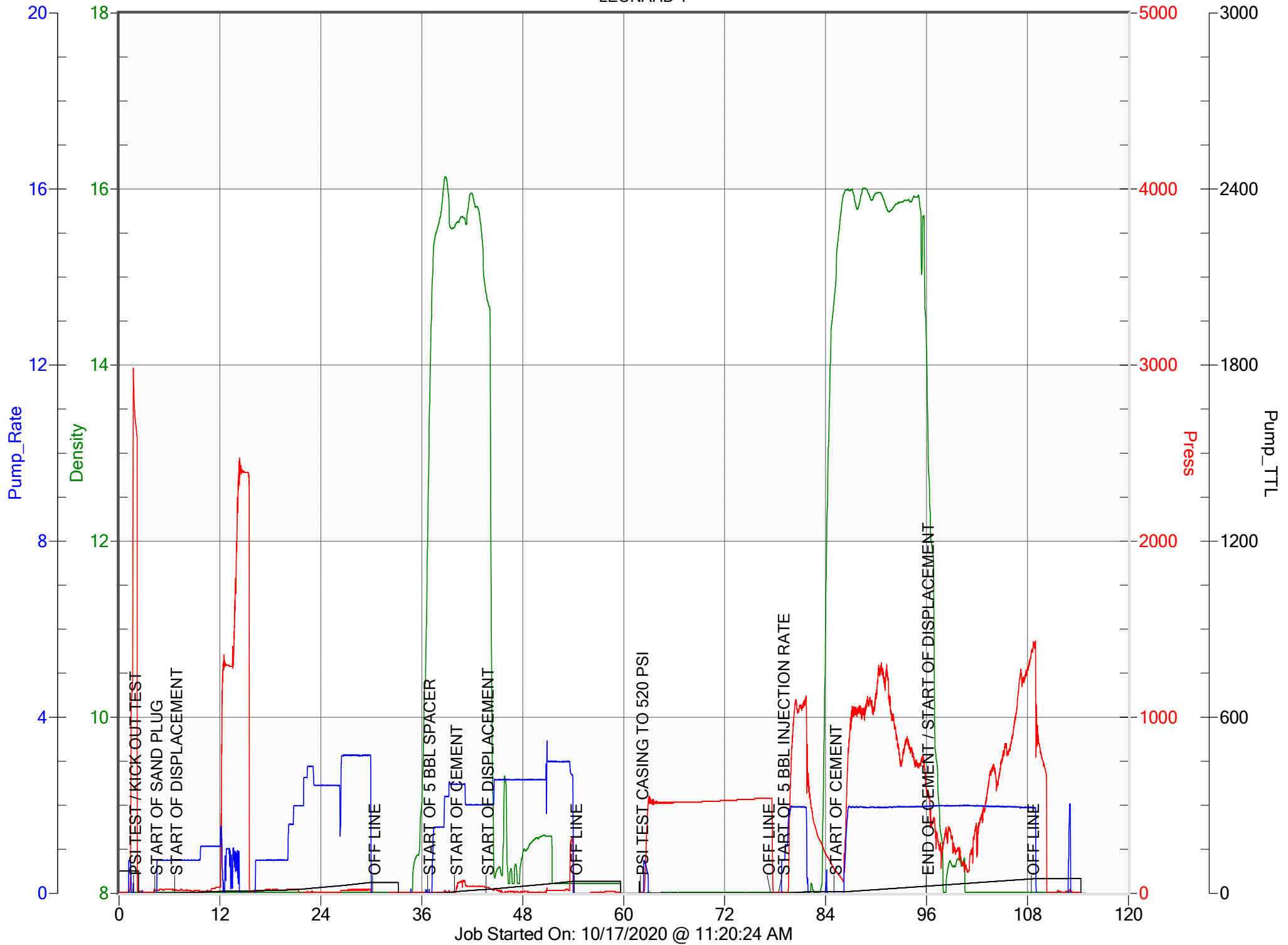
Cementer:

RAFAEL GARCIA

PRODUCTS USED

CRESTONE PEAK

LEONARD 1





Service Order #: 73756

Date: 19-Oct-20

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

Customer:

CRESTONE PEAK

Remarks:

75 SKS, 16.2 BBLS
ETOC 2500' - 2230'

Customer Rep: C. RAYAS

PH:

WELLBORE DATA				
Type	Size	Weight	Depth	Volume
Surface Casing:				
Production Casing:	4.500	11.6	2,500.0	
Intermediate:				
Drill Pipe:				
Tubing:				
Type	Size	Depth (Top)	Depth (Bot)	Volume
Liner:				
Open Hole:	7.875		2,500.0	

OTHER DATA		
BHT	Max PSI	Total Depth

Packer or RetainerType / Depth:

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Perf Depths: # Total

	0	0
	0	
	0	

TIME	PUMP RATES		DENSITY	PRESS	STG TOT	TOTAL	REMARKS
	WATER (gpm)	PUMP (bpm)	(lb/gl)	(psi)	(bbls)	(bbls)	
15:34	0	0.0	6.88	2,439	0.1	0.1	PSI TEST
15:36	0	0.0	6.88	0	0.1	0.1	H2O SPACER
15:49	2	2.5	16.07	275	30.0	30.0	END SPACER / START CMT
15:56	0	2.1	15.04	74	16.2	46.6	END CMT / START DISPLACEMENT
16:12	0	0.3	6.88	6	34.1	81.8	OFF LINE

Summary

Max Fl. Rate	Avg Fl. Rate	Max Psi	Avg Psi
2.5	2.3	2,512	129

Customer Acknowledgement:

carl rayas

Service Rating:

☒ Satisfactory
☐ Unsatisfactory

Cementer:

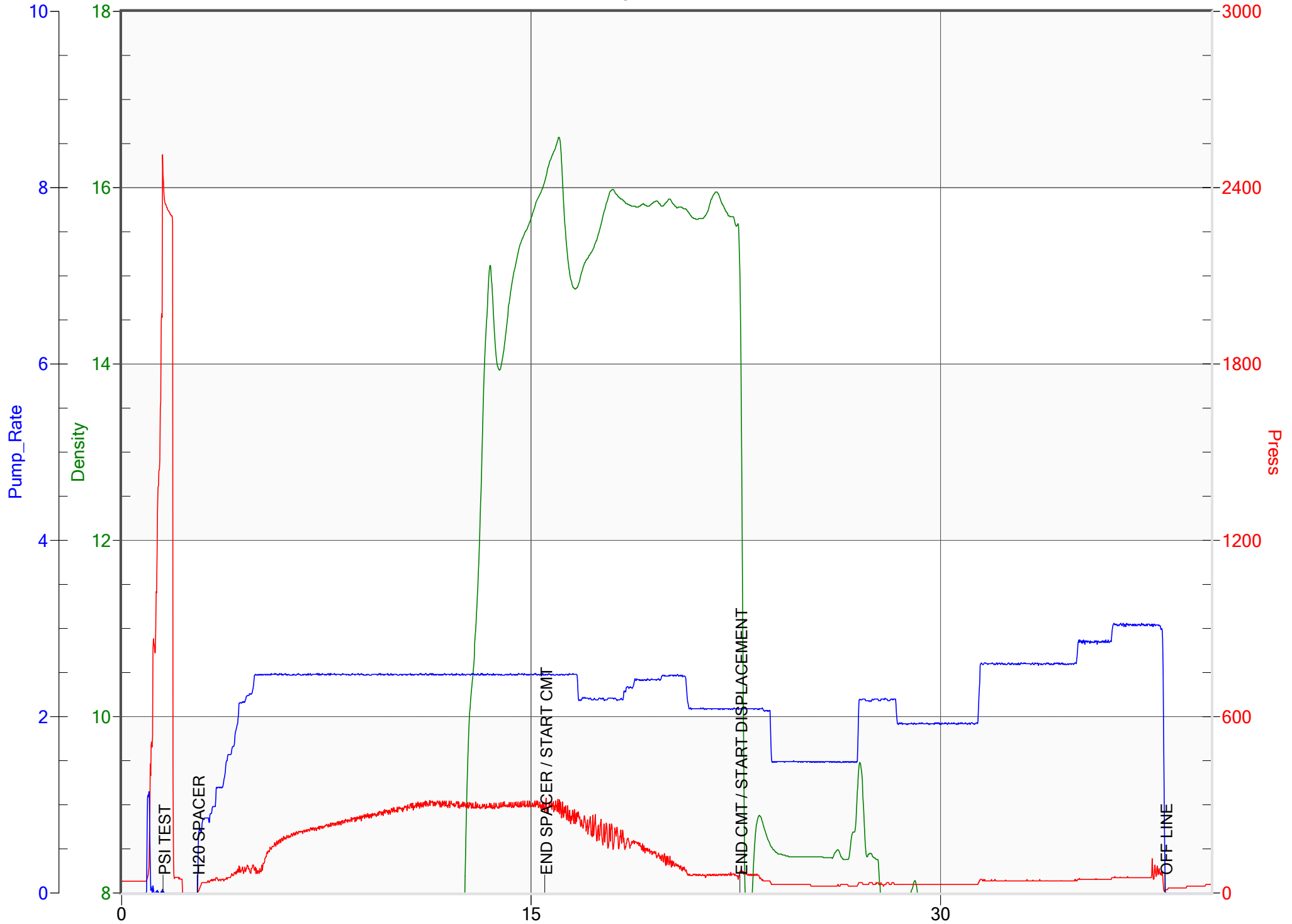
BOHLEN

PRODUCTS USED

AGM BLEND 1.21 YIELD, 5.1 GAL/SKS, 15.8 LBS/GAL

CRESTONE PEAK

LEONARD 1





Service Order #: 73577

Date: 20-Oct-20

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

Customer: CRESTONE PEAK

Remarks: 100 SKS, 21.3 BBLS TAGGED AT 567'
TOC 620' - 527'
100 SKS, 21.3 BBLS TAGGED AT 325'
TOC 567' - 325'
80 SKS, 16.4 BBLS
TOC 325' - SURFACE
.5 BBLS TOP OFF (2.5 sx)

Customer Rep: C. RAYAS

PH:

WELLBORE DATA				
Type	Size	Weight	Depth	Volume
Surface Casing:	8.625	24.0	488.0	
Production Casing:				
Intermediate:				
Drill Pipe:				
Tubing:	2.375	4.7	620.0	

Type	Size	Depth (Top)	Depth (Bot)	Volume
Liner:				
Open Hole:	7.875	488.0	620.0	

OTHER DATA		
BHT	Max PSI	Total Depth

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)	
9:55	0	0.0	6.88	1,505	0.0	0.0	PSI TEST
9:56	0	0.1	6.88	4	0.0	0.0	H2O SPACER
10:10	0	1.9	15.84	136	30.0	30.0	END SPACER / START CMT
10:19	0	2.5	16.88	90	21.1	51.1	SWITCH CMT TO DOWNHOLE SIDE
10:20	0	2.5	6.88	223	23.7	53.7	END CMT / START DISPLACEMENT
10:20	0	0.2	6.88	0	1.1	55.0	OFF LINE
14:00	0	0.0	6.88	0	0.0	0.0	H2O SPACER
14:12	0	0.8	15.96	29	19.1	19.1	END SPACER / START CMT
14:20	0	2.4	15.12	72	18.9	38.0	SWITCH CMT DOWNHOLE SIDE
14:21	0	2.0	11.75	82	21.4	40.4	END CMT / START DISPLACEMENT
14:21	0	0.0	10.82	11	1.0	41.5	OFF LINE
16:34	0	0.0	6.88	0	0.0	0.0	H2O SPACER
16:41	0	3.0	15.99	126	15.0	15.0	END SPACER / START CMT
16:50	0	0.0	14.74	36	16.5	31.6	CMT TO SURFACE / OFF LINE

Summary

Max Fl. Rate	Avg Fl. Rate	Max Psi	Avg Psi
3.0	0.9	1,598	96

Customer Acknowledgement:

carl rayas

Service Rating:

☒ Satisfactory
☐ Unsatisfactory

Cementer:

BOHLEN

PRODUCTS USED

KCL BLEND
1.2 YIELD, 15.8 LBS/GAL, 5.1 GAL/SKS

CRESTONE PEAK

LEONARD 1

