



Service Order #: 75423C

Date: 04-Oct-18

Well Name	Location	County	St	API#		
STATE OF CO 3-33		ARAPAHOE	CO	05-005-07364		
Formation	Cement Via	Type Of Service	Well Type	Age	AFE#	PO#
	CASING	LONG STRING	OIL	NEW		

Customer: RENEGADE OIL &amp; GAS

P.O. BOX 460413

AURORA

CO 80046-0413

Remarks:

\*Cement Pumped\*

Plug: 73.7 bbls / 300 sks  
Length: 8649 - 6842

Customer Rep: ED INGVY

PH:

## WELLBORE DATA

Type	Size	Weight	Depth	Volume
Surface Casing:	8.625	24.0	2,453.0	
Production Casing:	4.500	11.6	8,649.0	
Intermediate:				
Drill Pipe:				
Tubing:				

Type	Size	Depth (Top)	Depth (Bot)	Volume
Liner:				
Open Hole:	7.875	2,453.0	8,655.0	

## OTHER DATA

BHT	Max PSI	Total Depth
	3,000	8,649.0

Packer or RetainerType / Depth:

Perf Depths: # Total


TIME	PUMP RATES		DENSITY	PRESS	STG TOT	TOTAL	REMARKS
	WATER (gpm)	PUMP (bpm)	(lb/gal)	(psi)	(bbls)	(bbls)	
2:13	0	0.1	7.00	4,228		0.3	PSI TEST LINES
2:15	0	0.0	7.00	122		0.0	PUMP H2O SPACER
2:27	0	2.0	7.00	268		25.0	END SPACER - SHUT DOWN
2:35	0	0.0	7.00	122		0.0	BATCH UP CEMENT TO 14.6 PPG
2:40	25	0.0	14.73	164		0.0	PUMP CEMENT
3:09	0	2.0	7.11	53		79.5	END CEMENT - SHUT DOWN
3:13	0	0.0	8.11	29		79.6	WASH UP PUMP TO PIT
3:19	0	0.3	7.00	29		0.2	DROP PLUG - START DISPLACEMENT
4:04	0	1.9	7.00	1,217		148.1	BUMP PLUG - SHUT DOWN
4:10	0	0.0	7.00	1,896		148.3	BLEED OFF PSI - CHECK FLOAT
4:13	0	0.0	7.00	29		148.3	FLOAT HOLDING - END JOB

## Summary

Max Fl. Rate	Avg Fl. Rate	Max Psi	Avg Psi
2.0	1.6	4,228	263

Customer Acknowledgement:

Service Rating:

- ☐ Satisfactory  
☐ Unsatisfactory

Cementer:

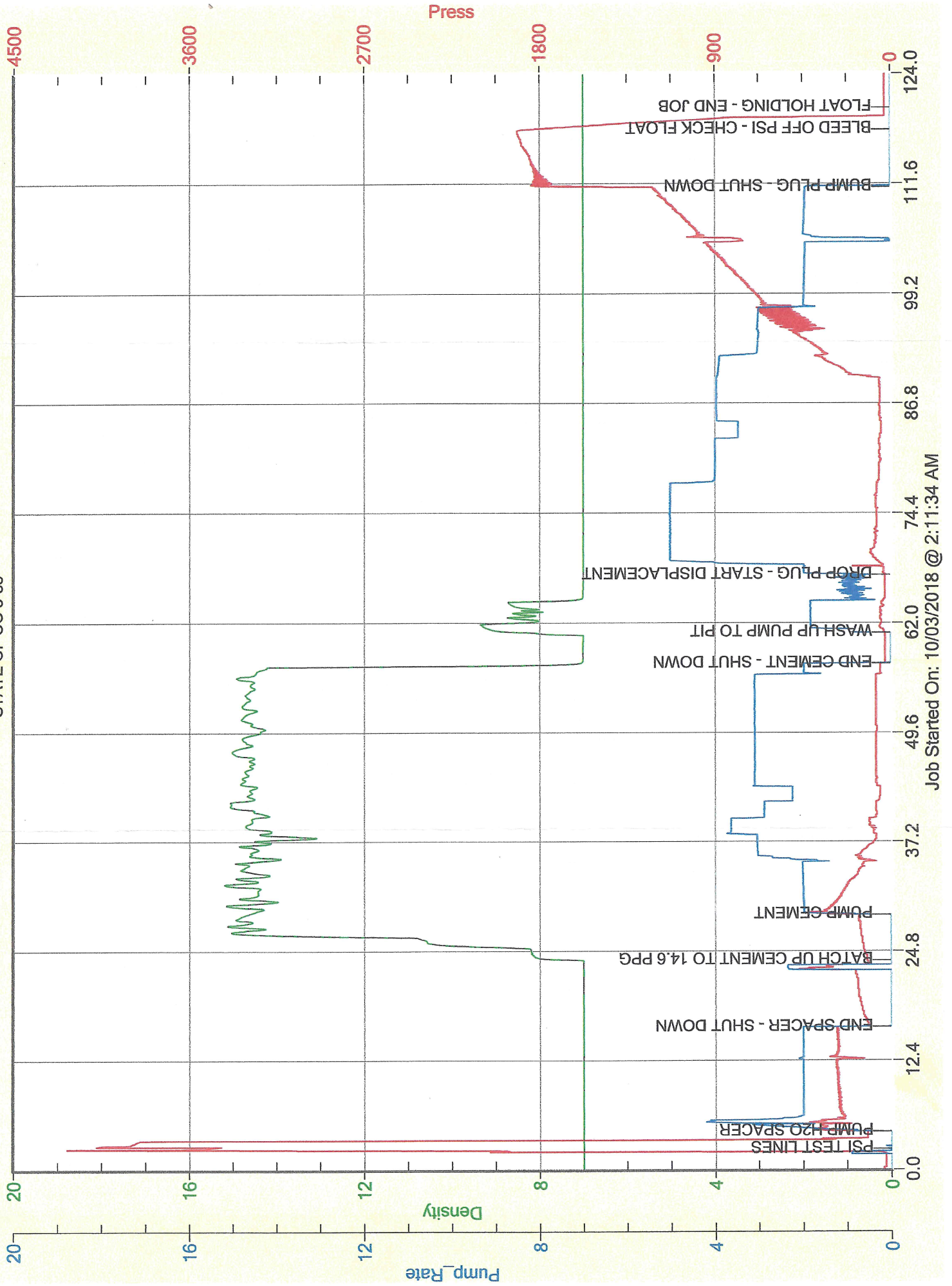
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## PRODUCTS USED

\*Cement: 50/50 Poz + additives  
- Density: 14.6 ppg / Yield: 1.38

# RENEGADE OIL & GAS

STATE OF CO 3-33



Job Started On: 10/03/2018 @ 2:11:34 AM