

AUTHORIZATION TO PROCEED  
 Lloyd Powell

5-6-5

Left with 379 SKs (mean 5 qt/KC) 6 Dec

प्राप्त गांव मीने

BBB Back to P1

5.2L 4015  
1000 301 50 (mm)  
5500 18 1000

5-7 BBL/s  
10 BBL at 4:54 AM  
20 BBL at 5-5 BBL/m 4:56 AM 370 PSI  
30 BBL at 5-5 BBL/s 4:58 AM 450 PSI  
40 BBL at 5-4 BBL/s 5:00 AM 520 PSI  
49.4 BBL 1-2 BBL/m 5:04 AM 350 PSI  
Bump 9:15 1-2 BBL/s 5:04 AM 500 PSI

Comment stop y:48  
~~Drop~~ Drop Pul y:57 AM  
Displace y:57 AM

JOB SUMMARY		DESCRIPTION OF JOB EVENTS	
Safety check	3:30 AM (Circ	4:18 PM (Cement start)	4:30 AM

Slam  
1/20 1/25

Answer with 600 shs 10 gth till 1602 days

min. Release: 1957, Release: 1957

INSTRUCTIONS PRIOR TO JOB

Pig up Saffman, PSI Test 500 PSI Arc 57 BBLs the kill mix and 10 Dye, mix + Pump 386 sks Cement (30% Excess) (27 yds out 15 in or until Company or Steps up, Release Pig Displace 49.2 BBLs the Pump flow 150 PSI over lift-a-bit lands

INSTRUCTIONS PRIOR TO JOB

WELL DATA			
HOLE SIZE	12 1/4	TUBING SIZE	PERFORATIONS
TOTAL DEPTH	828	TUBING DEPTH	SHOTS/FT
TUBING WEIGHT	72.5	OPEN HOLE	STRING
CASING SIZE	8 5/8	TUBING CONDITION	TUBING
CASING DEPTH	815.5	TREATMENT VIA	TYPE OF TREATMENT
CASING WEIGHT	2413	PACKER DEPTH	1 BORE-ACE PIPE
CASING CONDITION	Good		1 PRODUCTION CASING
PRESSURE SUMMARY			
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi
FINAL DISPLACEMENT	psi	ISIP	psi
ANNULUS	psi	5 MIN SIP	psi
MAXIMUM	psi	15 MIN SIP	psi
MINIMUM	psi		1 OTHER
TYPE OF TREATMENT			
TREATMENT RATE			
BREAKDOWN BPM	1 BORE-ACE PIPE	INITIAL BPM	FINAL BPM
MINIMUM BPM	1 ACID BREAKDOWN	MAXIMUM BPM	AVERAGE BPM
MAXIMUM BPM	1 ACID STIMULATION		
AVERAGE BPM	1 ACID SPOTTING		
	1 MISC PUMP		
	1 OTHER		
HYD HHP = RATE X PRESSURE X 40.8			

## WELL DATA

CHARGE TO	Noble
MAILING ADDRESS	
CITY	
STATE ZIP CODE	
TIME ARRIVED ON LOCATION	12:30 PM
OWNER	
OPERATOR	Noble
CONTRACTOR	ENR 122
DISTANCE TO LOCATION	
TIME LEFT LOCATION	6:00 PM
PRESSURE LIMITATIONS	

## TREATMENT REPORT

1738 Wynkoop St., Ste. 102  
Denver, Colorado 80202  
Phone: 303-296-3010  
Fax: 303-298-8143  
E-mail: [bisonoil@gwwestoffice.net](mailto:bisonoil@gwwestoffice.net)



**BISON OIL WELL CEMENTING, INC.**

FOREMAN Mike Rose

LOCATION 100 39 + 28

REF. INVOICE # 115418