

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11436

LOCATION CR 43426

FOREMAN FARMWOOD

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
3-13-12	Cannon <del>X02-28</del>	35	3N	6SW	WELD	

CHARGE TO	NOBLE	OWNER	
MAILING ADDRESS		OPERATOR	NOBLE
CITY		CONTRACTOR	CADDE 21
STATE ZIP CODE		DISTANCE TO LOCATION	
TIME ARRIVED ON LOCATION	7:15 AM	TIME LEFT LOCATION	10:45 AM

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
12 1/4					
TOTAL DEPTH 800	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PSTD 745.33	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		

TREATMENT VIA			TYPE OF TREATMENT		TREATMENT RATE	
CASING DEPTH 800			<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM	
CASING WEIGHT 242	PACKER DEPTH		<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM	
CASING CONDITION 6000			<input type="checkbox"/> SQUEEZE CEMENT		FINAL BPM	

PRESSURE SUMMARY				HYD HP = RATE X PRESSURE X 40.8	
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi	<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM
FINAL DISPLACEMENT	psi	ISIP	psi	<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM
ANNULUS	psi	5 MIN SIP	psi	<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM
MAXIMUM	psi	15 MIN SIP	psi	<input type="checkbox"/> MISC PUMP	
MINIMUM	psi			<input type="checkbox"/> OTHER	

INSTRUCTIONS PRIOR TO JOB: Rig up SATTA meeting, CIRC PERFORMANCE 40 BBLS 120 W/ KCL  
DYE 200/10 mix pump till DYE is seen then pump till only 15.24 1.377 KCL  
DYE 600 over 30% excess with out talking to co-man, DROP PLUG, DISPLACE 475 BBLS  
Bump plug 150 PSI over lift PSI wait 5 min release PSI wash up rig down  
We have 700 SKS 3202 DYE 76 QTS KCL

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS SATTA 9:54 CIRC 9:18 MIX 9:26-9:44 DROP PLUG 9:45

DISPLACE 9:47  
10 9:50 200 PSI 5 BBLS MIN  
20 9:52 230 PSI 5 BBLS MIN  
30 9:54 350 PSI 5 BBLS MIN  
40 9:57 320 PSI 3 BBLS MIN  
475 10:02 280 PSI 1 BBL MIN  
Bump plug 490 PSI at 10:02 AM float collar lifted  
used 12% excess = 293 SKS = 66 BBLS SLURRY  
Avg cement 3.6 BBLS MIN  
Let with 404 SKS 1602 DYE 12 QTS KCL  
8 BBLS BACK TO PIT

AUTHORIZATION TO PROCEED

TITLE

3-13-12

DATE

Customers hereby acknowledge and specifically agree to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity