

BISON OIL WELL CEMENTING, INC.



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Denver, Colorado 80202
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E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 10316

LOCATION 127-106 1/2

FOREMAN Rick Kallala
Jassy Rickard

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-1-11	Behn PCLD 09-01	9	9N	58W	Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Ensign 128
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 3:30am	TIME LEFT LOCATION 8:30am

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 561	TUBING DEPTH	SHOTS/FT			
PBD 510.69	TUBING WEIGHT	OPEN HOLE			
CASING SIZE 8 3/8	TUBING CONDITION				
CASING DEPTH 556.09					
CASING WEIGHT 2413	PACKER DEPTH				
CASING CONDITION good					

PRESSURE SUMMARY			TYPE OF TREATMENT		TREATMENT RATE	
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM	
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM	
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> SQUEE CEMENT		FINAL BPM	
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM	
MINIMUM psi			<input type="checkbox"/> ACID STIMULATION		MAXIMUM BPM	
			<input type="checkbox"/> ACID SPOTTING		AVERAGE BPM	
			<input type="checkbox"/> MISC PUMP			
			<input type="checkbox"/> OTHER			
					HYD HHP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB: Pickup, safety meeting, Pst test, Per Logan, circ 30 Bbls KCL H2O, 2nd 10w/ Dye mix Pump
237 SKs cement at 30% Excess at 1.27 gelled at 15.2 lbs or until cement stops up, no more than 50% Excess,
Release Plug Disp 32.5 Bbls H2O, Bump Plug at 150 psi or 1.1 psi, wait 5 min Release psi, washup
Pig down H2O at OK
Arrived w/ 550 SKs cement 4 gal KCL 16oz Dye 53.6 Bbls slurry

JOB SUMMARY

DESCRIPTION OF JOB EVENTS: safety meeting 6:49am circ 7:15am cement 7:32am
Drop Plug 7:54am Displace 7:54am

10 Bbls at 5.0 Bbls/m 7:57am 160psi
20 Bbls at 5.0 Bbls/m 7:59am 260psi
30 Bbls at 2.5 Bbls/m 8:02am 200psi
32.5 Bbls at 1.0 Bbls/m 8:04am 200psi
Bump Plug 8:04am 410psi

used 30% Excess
used 237 SKs cement
53.6 Bbls slurry

Lft w/ 313 SKs cement 3 gal 1st KCL 6oz Dye

13 Bbls Back 6

John M. Taylor
AUTHORIZATION TO PROCEED

TITLE

10-1-11

DATE

Customers hereby acknowledges and specifically agrees 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.