

CSG - Surface

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11227

LOCATION 78-65

FOREMAN Kirk K. H. S.
Miller Pablo

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-6-12	Walker AC17-09	H	7.2	67W	Weld	
CHARGE TO Nyle		OWNER				
MAILING ADDRESS		OPERATOR Nyle				
CITY		CONTRACTOR Ensign B6				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 9:00pm		TIME LEFT LOCATION 2:30am				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 739	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PSTD 729 686	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 9 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 729		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT 3615	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION good			<input checked="" type="checkbox"/> SURFACE PIPE <input type="checkbox"/> PRODUCTION CASING <input type="checkbox"/> SQUEEZE CEMENT <input type="checkbox"/> ACID BREAKDOWN <input type="checkbox"/> ACID STIMULATION <input type="checkbox"/> ACID SPOTTING <input type="checkbox"/> MISC PUMP <input type="checkbox"/> OTHER		
PRESSURE SUMMARY			BREAKDOWN BPM INITIAL BPM FINAL BPM MINIMUM BPM MAXIMUM BPM AVERAGE BPM HYD HHP = RATE X PRESSURE X 40.8		
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					

INSTRUCTIONS PRIOR TO JOB Rig up, setlog, meeting, Pst test, Per cement circ Bt's N2O Kel N2O and 1000 Dye
mix 400 gal cement at 3% excess at 1.27 yield to 15.2 lbs or until cement stops us, Release
Plug Plug 53.2 Bt's N2O Dump Plug at 150 Psi cur 1.1 ft Psi, wait 5 min Release Pst, wash
up Rig Down N2O test OK
Arrived w/ 75000 lbs cement 11 gal Kel 1600 Dye 90.4 Bt's slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS setlog meeting 12:33am cur 12:50am cement 1:00am stop cement 1:29am
Dump Plug 1:31am Displace 1:31am
10 Bt's at 6 Bt's/min 1:33am 300psi used 16% excess
20 Bt's at 6 Bt's/min 1:35am 400psi used 557500 lbs cement
30 Bt's at 6 Bt's/min 1:36am 450psi 80.7 Bt's slurry
40 Bt's at 6 Bt's/min 1:38am 500psi
50 Bt's at 2.5 Bt's/min 1:40am 400psi
53.2 Bt's at 1 Bt's/min 1:41am 350psi
Dump Plug 1:41am 500psi

LPTw/393000 cement 2 gal 3000 lbs 600 Dye Bt's Back 12

[Signature]
AUTHORIZATION TO PROCEED

TITLE

8-7-12

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