

BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102
Denver, Colorado 80202
Phone: 303-296-3010
Fax: 303-298-8143
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 10625

LOCATION WCD 49+44

FOREMAN M. K. Rosalee
L. R. Mark

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-22-11	Oster C-19 27-0	18	4	64	Weld	

CHARGE TO	AD61C	OWNER	
MAILING ADDRESS		OPERATOR	Noble
CITY		CONTRACTOR	Ensign 136
STATE ZIP CODE		DISTANCE TO LOCATION	
TIME ARRIVED ON LOCATION	9:30 AM	TIME LEFT LOCATION	1:00

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
TOTAL DEPTH	714	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
API 5 CT 62.5		WEIGHT	OPEN HOLE	STRING	
CASING SIZE	8 5/8	TUBING CONDITION		TUBING	
CASING DEPTH	708	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT	24	PACKER DEPTH	[] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION	GOOD		[] PRODUCTION CASING		INITIAL BPM
			[] SQUEEZE CEMENT		FINAL BPM
			[] ACID BREAKDOWN		MINIMUM BPM
			[] ACID STIMULATION		MAXIMUM BPM
			[] ACID SPOTTING		AVERAGE BPM
			[] MISC PUMP		
			[] OTHER		HYD HHP = RATE X PRESSURE X 40.8

PRESSURE SUMMARY		
BREAKDOWN or CIRCULATING	psi	AVERAGE
FINAL DISPLACEMENT	psi	ISIP
ANNULUS	psi	5 MIN SIP
MAXIMUM	psi	15 MIN SIP
MINIMUM	psi	

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, PSI TEST 500 PSI Circulate 4/0 BBls H₂O / KCL mix
2nd 10 Dye mix + Pump 303 sks Cement (30% excess) gels 1.27 G + 15-21 BS or until
Companymen Stopper us, Release Plug Displace 42.2 BBls H₂O Bump Plug 150 PSI over H₂O
Wait 5 min Release PSI Wash up Rig Down H₂O TEST
Arrived with 650 sks 8 gals 16 oz Dye Slurry 68.5

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 10:45 PM Circulate 11:14 PM Cement 11:23 PM
Drop Plug 11:45 PM Displace 11:45 PM

10 BBls at 5-5 BBls/m 11:48 PM 290 PSI Use 7 % excess
20 BBls at 5-5 BBls/m 11:50 PM 380 PSI Used 250 sks Cement
30 BBls at 5-5 BBls/m 11:52 410 PSI Slurry 56.5
40 BBls at 2.5 BBls/m 11:56 PM 350 PSI
42.2 BBls at 1-0 BBls/m 11:58 300 PSI
Bump Plug 1-0 BBls/m 11:58 500 PSI
Flow Control held BBls Back 12

Arrive location with 400 sks Cement 4 gals KCL 8 Dye

John M. Taylor
AUTHORIZATION TO PROCEED TITLE DATE 11-22-11

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.