

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 # 10324

LOCATION 47-76

FOREMAN Kirk Kalkhoff
mike s jessy

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-17-11	Booth USXEE 35-07 D	35	7N	65W	Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Saxon 144
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 12:15pm	TIME LEFT LOCATION 4:15pm

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 785	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PSTD 234.5	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		

CASING DEPTH 779.5		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 2416	PACKER DEPTH		1- SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION good			[] PRODUCTION CASING		INITIAL BPM

PRESSURE SUMMARY					
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi	[] SQUEEZE CEMENT	FINAL BPM
FINAL DISPLACEMENT	psi	ISIP	psi	[] ACID BREAKDOWN	MINIMUM BPM
ANNULUS	psi	5 MIN SIP	psi	[] ACID STIMULATION	MAXIMUM BPM
MAXIMUM	psi	15 MIN SIP	psi	[] ACID SPOTTING	AVERAGE BPM
MINIMUM	psi			[] MISC PUMP	
				[] OTHER	HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up, set fly meeting, Psited, Perforation, circ 40341s Kcl H2O 2nd 100/Dye, mix Pump
332 sks cement at 30% Excess at 127 yield at 152 lbs or until cement stops us, no more than 50% excess
Release Plug Disp 46.7 BBls H2O, Dump Plug At 150 psi over Lift Pl, wait 5 min Release Pl washed
Rig Down H2O at 3rd OK
Arrived w/ 650 sks cement 4-salt Kcl 16oz Dye 75 BBls slurry

JOB SUMMARY

DESCRIPTION OF JOB EVENTS set fly meeting 2:23am circ 2:38am cement 2:46am
Dump Plug 3:15am Displace 3:15am

10 BBls At 5.0 BBls/min 3:18am 190psi used 17% Excess
20 BBls At 5.0 BBls/min 3:20am 290psi used 300 sks cement
30 BBls At 5.0 BBls/min 3:22am 360psi 67.8 BBls slurry
40 BBls At 3.0 BBls/min 3:27am 330psi
46.7 BBls At 1.0 BBls/min 3:33am 300psi
Dump Plug 3:33am 470psi

Lift w/ 350 sks cement 3-salt Kcl 6oz Dye BBls Back 12

AUTHORIZATION TO PROCEED

TITLE

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