BISON OIL WELL CEMENTING, INC.

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REF. INVOICE # 10853
LOCATION CR 49 + 39
FOREMAN Pat Nowak

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
1-27-12	SHABLE 6-17-32D	17	4N	65W	WELD	

CHARGE TO NOBLE	OWNER
MAILING ADDRESS	OPERATOR NOBLE
CITY	CONTRACTOR SAXON 144
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 8:30 PM	TIME LEFT LOCATION 1:15 AM

WELL DATA

HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS
TOTAL DEPTH 646	TUBING DEPTH	SHOTS/FT
PBTD	TUBING WEIGHT	OPEN HOLE
CASING SIZE 8 5/8	TUBING CONDITION	
CASING DEPTH 622		TREATMENT VIA
CASING WEIGHT 24#	PACKER DEPTH	
CASING CONDITION GOOD		

PRESSURE LIMITATIONS

	THEORETICAL	INSTRUCTED
SURFACE PIPE ANNULUS LONG		
STRING		
TUBING		

PRESSURE SUMMARY

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		

TYPE OF TREATMENT	TREATMENT RATE
[X] SURFACE PIPE	BREAKDOWN BPM
[ ] PRODUCTION CASING	INITIAL BPM
[ ] SQEEZE 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

INSTRUCTIONS PRIOR TO JOB Rig up SAFETY meeting, Pressure comp Anymore & IRC 40 BBLS H2O with KCL DYE in 2nd 10, mix + Pump FILL DYE is seen then Pump Tail 90 sks @ 15.2 LD 1.27 YLD Don't go over 30% excess w/ mout fill up to Surface, DROP PLUG DISPLACE 38 BBLS H2O, Bump Plug 150 PSI over Lift PSI wait 5 mins Release PSI, Wash up Rig Down Release 600 SKS 320Z DYE 12 BBLS KCL

JOB SUMMARY
DESCRIPTION OF JOB EVENTS SAFETY 11:04 pm M/P 11:33 pm mix 10 sks 40 BBL DISPLACE 11:59 pm

DISPLACE 12:01 AM

10	12:04 AM	280 PSI	5.5 BBLS MIN
20	12:06 AM	280 PSI	5 BBLS MIN
30	12:08 AM	320 PSI	5 BBLS MIN
38	12:13 AM	370 PSI	1 BBL MIN

Bump Plug 530 PSI @ 12:13 AM Float Collar Held
Used 20% EXCESS = 252 SKS = 57 BBLS SLURRY
AVG. CEMENT 3 BBLS MIN
Left with 34 SKS CEMENT 160Z DYE 8 BBLS KCL
5 BBLS TO PIT

AUTHORIZATION TO PROCEED | TITLE | 1-27-12 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.