BISON OIL WELL CEMENTING, INC.

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REF. INVOICE # 10859
LOCATION CR 50 + 41
FOREMAN Pat Noland

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
2-7-12	STROHAWER PC 6 OH-3017	5	4N	65W	Weld	

CHARGE TO NOBLE	OWNER
MAILING ADDRESS	OPERATOR NOBLE
CITY	CONTRACTOR Ensign 126
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 9:00	TIME LEFT LOCATION 2:00 PM

WELL DATA

HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS
TOTAL DEPTH 724	TUBING DEPTH	SHOTS/FT
PBTD 677.65	TUBING WEIGHT	OPEN HOLE
CASING SIZE 8 5/8	TUBING CONDITION	
CASING DEPTH 704		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, Per company man Request Circ with BITS @ 720 Dye in 2nd 10 mix & Pump Tail Dye is seen then pump to bump at 15.2# 1.77 YIELD Don't Go over 30% Excess without talking to company man Drop plug Displace 43 BBLS @ 720 Bump plug 150 PSI over Lift PSI. Wait 5 min. Release PSI wash up Rig down, we have 600 SKS BJ02 PRE Cocktail

JOB SUMMARY

DESCRIPTION OF JOB EVENTS SAFETY 11:06 Circ 11:57 mix 12:01 pm Drop plug 12:47
Displace 12:50

10	12:54	260 PSI	5 BBLS MIN
20	12:56	310 PSI	5 BBLS MIN
30	12:58	370 PSI	5 BBLS MIN
40	1:04	250 PSI	1 BBLS MIN
43	1:09	270 PSI	1

Bump plug 500 PSI at 1:09 pm float collar held
used 63% Excess = 385 SKS = 87 BBLS Slurry.
AVG Cement 7 BBLS MIN
Left with 215 SKS 16 OZ DYE 17 QTS NCL
11 BBLS to Pit

Jesse Ramirez — Rig Supervisor — 2-7-12

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.