

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10132
LOCATION 47 & 34 1/2
FOREMAN Grant Lowe

TREATMENT REPORT

DATE 6-16-11	WELL NAME Aristocrat PAH 11-22D	SECTION 11	TWP 3N	RGE 6SW	COUNTY Weld	FORMATION
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR Ensign #126				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 7:20 AM		TIME LEFT LOCATION 10:30 AM				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 755	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 700	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 747		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24 lbs	PACKER DEPTH		[] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION Good			[] PRODUCTION CASING		INITIAL BPM
			[] SOOZE 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	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, Safety meeting per CO man. Press test 500psi, Circulate 50 bbls H₂O/KEL with Dye x's 16oz in 2nd 10bbls, Mix and pump cement 15.2 density @ 1.27 yield, until dye is seen, not to exceed 25% excess until talk to Co man. pump tub only drop plug, displace 44.5 bbls, bump plug @ 150 psi over v lift press, wait 5 min. release press. Washup, Rig down, Arrived on location with 700 sks, 32oz dye, 10gls KEL

JOB SUMMARY

DESCRIPTION OF JOB EVENTS
Safety meeting @ 8:40 AM, Circulate @ 9:00 AM, Cement @ 9:08 to 9:25
Drop plug @ 9:27, Displace @ 9:28 AM
10 bbls 300 psi @ 9:30 AM @ 7.0 bbls/min 25% Excess
20 bbls 420 psi @ 9:32 AM @ 7.0 bbls/min 69.2 bbls slurry
30 bbls 500 psi @ 9:33 AM @ 7.0 bbls/min 306 sks cement
40 bbls 460 psi @ 9:35 AM @ 6.0 bbls/min 5 bbls slurry to pit
44.5 bbls 310 psi @ 9:36 AM @ 1.0 bbls/min
Bump plug @ 9:37 AM @ 460 lbs Float collar held.

Robert J. Lab 6 hrs 6-16-11
AUTHORIZATION TO PROCEED TITLE DATE