

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 # 9780
LOCATION WCR 47438
FOREMAN ~~Grant Low~~ CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
4-16-11	Houndskeeper PC H 01-21D	1	3N	65W	Weld	

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

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	12 1/4	TUBING SIZE		THEORETICAL	INSTRUCTED
TOTAL DEPTH	702	TUBING DEPTH		SURFACE PIPE ANNULUS LONG	
PBTD	650.7	TUBING WEIGHT		STRING	
CASING SIZE	8 5/8	TUBING CONDITION		TUBING	
CASING DEPTH	676.7	TREATMENT VIA		TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT	24 lbs	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	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 Coman. Circulate 40 bbls HCLH2O + Dye x 10 in 2" 10 bbls, Mix + pump Tell Dye is seen then pump tub only at 15.2 lbs. 1.27 yield, Drop plug, Displace 41.4 bbls. H2O, Bump plug at 150 Psi over Lift Psi, wait 5 min then bleed off Psi Wash up, Rig down, H2O tested good, WE HAVE 700 SKS, 16 oz Dye, 28 qts KCL,

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 11:24pm, Circ 11:46pm, CEMENT 11:52pm to 12:05am
Drop plug 12:06am, Displace 12:07am
10 bbls 220 Psi 12:10am 7.0 bbls/m
20 bbls 350 Psi 12:11am 7.0 bbls/m
30 bbls 480 Psi 12:13am 7.0 bbls/m
40 bbls 300 Psi 12:15am 1.0 bbls/m
41.4 bbls 300 Psi 12:17am 1.0 bbls/m
Bump Plug 770 Psi at 12:17am Float collar held
USED 0% EXCESS = 229 SKS, 51.79 bbls SLURRY
AVG CEMENT 3.98 bbls/m
Left with 471 SKS, 6 OZ DYE, 24 QTS KCL
8 bbls SLURRY TO THE PIT

Michael Magnus
AUTHORIZATION TO PROCEED

TITLE

DATE