

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11449
LOCATION 43230
FOREMAN Tucker Lehman / Rich, Shane, Monty

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
4/8/12	Moser 428-30	21	3N	65W	Weld	
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>Kensign 126</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>6:00 am</u>		TIME LEFT LOCATION <u>10:00 am</u>				

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL	
TOTAL DEPTH <u>743</u>	TUBING DEPTH	SHOTS/FT	INSTRUCTED	
POTD <u>686</u>	TUBING WEIGHT	OPEN HOLE	SURFACE PIPE ANNULUS LONG	
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		STRING	
CASING DEPTH <u>733</u>		TREATMENT VIA	TUBING	
CASING WEIGHT <u>24 lb</u>	PACKER DEPTH		TYPE OF TREATMENT	
CASING CONDITION <u>Good</u>			TREATMENT RATE	
PRESSURE SUMMARY			SURFACE PIPE	
			BREAKDOWN BPM	
BREAKDOWN or CIRCULATING psi			[] PRODUCTION CASING	
AVERAGE psi			[] SQUEEZE CEMENT	
FINAL DISPLACEMENT psi			[] ACID BREAKDOWN	
ISIP psi			[] ACID STIMULATION	
ANNULUS psi			[] ACID SPOTTING	
5 MIN SIP psi			[] MISC PUMP	
MAXIMUM psi			[] OTHER	
15 MIN SIP psi			HYD HHP = RATE X PRESSURE X 40.8	
MINIMUM psi				

INSTRUCTIONS PRIOR TO JOB Rig up Safety meeting PSI test Per co-men - Circ 40 bbls K12 H2O 2nd 10 w/ dye
mix & pump 314 sks cement at 30% excess at 1.27 yield at 30% excess at 15.2 lbs on until co-men stops w
Release Plug disp 43.6 bbls H2O Bump Plug at 160 psi over 144 psi wait 5 min release psi wash up
rig down H2O test OK
Asphalt w/ 600 sks cement 4 gal KCL, 16 oz dye 71 bbls slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 7:36 am Circ 8:17 am Cement 8:27 am
Stop cement 8:51 Drop Plug 8:53 Disp 8:53

10 bbls at 6 bbls/min	8:57 am	160 psi	used 15 % excess
40 bbls at 6 bbls/min	8:59	230 psi	used 279 sks cement
30 bbls at 6 bbls/min	9:01	270 psi	63.1 bbls slurry
40 bbls at 2 bbls/min	9:06	280 psi	
43.6 bbls at 1 bbl/min	9:10	560 psi	
Bump Plug	9:10 am	560 psi	

Left w/ 321 sks cement 3 gal KCL BCLS Back 10

Lloyd Rowell
AUTHORIZATION TO PROCEED

TITLE

4/8/12
DATE