

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11515
LOCATION 49 & 30
FOREMAN Tucker Lehnlehl
Matejka

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
4/18/12	HP D32-23D	32	3N	64W	Weld	

CHARGE TO	Noble	OWNER	
MAILING ADDRESS		OPERATOR	Noble
CITY		CONTRACTOR	Saxon 144
STATE ZIP CODE		DISTANCE TO LOCATION	
TIME ARRIVED ON LOCATION	4:00 am	TIME LEFT LOCATION	4:45 pm

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	9 7/8	TUBING SIZE		THEORETICAL	INSTRUCTED
TOTAL DEPTH	826	TUBING DEPTH		SURFACE PIPE ANNULUS LONG	
PBTD 774.61		TUBING WEIGHT		STRING	
CASING SIZE	8 5/8	TUBING CONDITION		TUBING	
CASING DEPTH	819.68	TREATMENT VIA		TYPE OF TREATMENT	
CASING WEIGHT	2416	PACKER DEPTH		TREATMENT RATE	
CASING CONDITION	Good			[] SURFACE PIPE	
				[] PRODUCTION CASING	
				[] SQUEEZE CEMENT	
				[] ACID BREAKDOWN	
				[] ACID STIMULATION	
				[] ACID SPOTTING	
				[] MISC PUMP	
				[] OTHER	

PRESSURE SUMMARY			TREATMENT RATE	
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi	BREAKDOWN BPM
FINAL DISPLACEMENT	psi	ISIP	psi	INITIAL BPM
ANNULUS	psi	5 MIN SIP	psi	FINAL BPM
MAXIMUM	psi	15 MIN SIP	psi	MINIMUM BPM
MINIMUM	psi			MAXIMUM BPM
				AVERAGE BPM
				HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up Safety meeting PST test Perco-man Circ 50 bbls KCL H2O 2nd w/dye mix
& pump 349 sks cement at 30% excess at 1.27 yield at 30% excess at 15.2 lbs or until CO-man stops vs
Release Plug clay 49.3 bbls H2O Bump Plug at 150 psi over 1.5 ft psi wait 5 min release psi wash up
rig down H2O test ok
Arrived w/ 650 sks cement 4 gal KCL, 16 oz dye 78.9 bbls slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 2:30 pm Circ 3:00 pm Cement 3:11
Stop cement 3:44 Prop Plug 3:48 Disp 3:48

10 bbls at 3:51	120 psi	used 41 % excess
20 bbls at 3:53	340 psi	used 378 sks cement
30 bbls at 3:55	360 psi	85.4 bbls slurry
40 bbls at 3:57	400 psi	
49.3 bbls at 4:04	450 psi	
Bump Plug at 4:04	450 psi	

left w/ 272 sks cement 234 gal KCL BBls Back 6

 AUTHORIZATION TO PROCEED
TITLE
DATE 4/18/12