

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10205
LOCATION WCR 39+32
FOREMAN Calvin Reimers

TREATMENT REPORT

DATE 8-20-11	WELL NAME REI H 17-29D	SECTION 8	TWP 3N	RGE 6SW	COUNTY Weld	FORMATION
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR Ensign Rig 55				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 5:05 am		TIME LEFT LOCATION 12:15 pm				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 820	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 778.37	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 813.05		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 2416	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION Good			<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM
			<input type="checkbox"/> SQUEEZE CEMENT		FINAL BPM
			<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM
			<input type="checkbox"/> ACID STIMULATION		MAXIMUM BPM
			<input type="checkbox"/> ACID SPOTTING		AVERAGE BPM
			<input type="checkbox"/> MISC PUMP		
			<input type="checkbox"/> 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 Company Man, CIRC 50 bbls H₂O with KCL Dye 16 in 2nd 10 bbls, Mix + pump Tell Dye is seen then mix 3 bbls slurry + tub at 15.2 lbs 1.27 yield, Don't go over 50% excess without talking to Company Man, Drop plug, Displace 49.5 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 650 SKs, 3202 Dye, 13 Qts KCL,

JOB SUMMARY:

DESCRIPTION OF JOB EVENTS Safety Meeting 9:12 am CIRC 9:20 am, CEMENT 9:30 am

Drop Plug 10:16 am Displace 10:17 am

10 bbls 70 PSI 10:22 am 4 bbls/m

20 bbls 170 PSI 10:25 am 4 bbls/m

30 bbls 240 PSI 10:28 am 4 bbls/m

40 bbls 340 PSI 10:30 am 4 bbls/m

49.5 bbls 250 PSI 10:33 am 1.0 bbls/m

Bump Plug 560 PSI at 10:33 am Float Collar Held

USED 20% EXCESS = 320 SKs, 72.37 bbls SLURRY

Left with 330 SKs, 16 oz Dye, 8 Qts KCL

1 bbl Slurry To the P.T

[Signature]
AUTHORIZATION TO PROCEED

Co. Man
TITLE

8-20-11
DATE