

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9793
LOCATION WCR 74+43
FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
5-8-11	Johnson PC EE 33-23D	33	7N	65W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>SAXON Rig 143</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>8:30 am</u>	TIME LEFT LOCATION <u>3:30 pm</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>810</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 763.77</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>805.8</u>		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT <u>2416</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	TREATMENT RATE	
CASING CONDITION <u>Good</u>			<input type="checkbox"/> PRODUCTION CASING	BREAKDOWN BPM	
			<input type="checkbox"/> SQUEEZE CEMENT	INITIAL BPM	
			<input type="checkbox"/> ACID BREAKDOWN	FINAL BPM	
			<input type="checkbox"/> ACID STIMULATION	MINIMUM BPM	
			<input type="checkbox"/> ACID SPOTTING	MAXIMUM BPM	
			<input type="checkbox"/> MISC PUMP	AVERAGE BPM	
			<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 40 bbls H₂O with KCL + Dye x 10 in 2nd 10 bbls, Mix + pump till Dye is seen then pump tub only at 15.2 lbs. 1.27 yield, Drop plug, Displace 48.6 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, 32 oz. Dye, 17 Qts. KCL,

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 12:07 pm, CIRC 12:40 pm, CEMENT 12:47 pm to 1:09 pm
Drop plug 1:12 pm, Displace 1:13 pm. Top Job CEMENT 2:21 pm to 2:30 pm
10 bbls 250 Psi 1:16 pm 7.0 bbls/m
20 bbls 320 Psi 1:18 pm 7.0 bbls/m
30 bbls 600 Psi 1:19 pm 7.0 bbls/m
40 bbls 620 Psi 1:21 pm 6.0 bbls/m
48.6 bbls 500 Psi 1:24 pm 1.0 bbls/m
Bump Plug 650 Psi at 1:24 pm, Float Collar held,
USED 35% Excess = 356 SKs, 80.52 bbls Slurry / Top Job. USED 50 SKs, 11.31 bbls Slurry
Total USED 54 1/2 % Excess = 406 SKs, 91.83 bbls Slurry
Left with 294 SKs, 22 oz. Dye, 13 Qts KCL
2 bbls Slurry To The Pit


AUTHORIZATION TO PROCEED

TITLE

5-8-11

DATE