

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10178 10266
LOCATION WCR 45+72
FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE <u>8-10-11</u>	WELL NAME <u>Bickling PC E 02-33D</u>	SECTION <u>3</u>	TWP <u>6N</u>	RGE <u>65W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>SAXON Rig 145</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>2:40 AM</u>		TIME LEFT LOCATION <u>7:45</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>700</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 649.67</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>692.78</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24 lb</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>Good</u>			<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

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, Per Company Man, Circ 40 bbls H₂O with KCL + Dye in 2nd 10 bbls, Mix + pump tell Dye is seen then pump tub only at 15.2 lbz, 127 yield, Don't go over 30% Excess with out Talking to Company Man, Drop plug, Displace 41.3 bbls H₂O, Bump plug at 150 Bi over Lift P_{si}, Wait 5 min then bleed off P_{si}, Wash up, Rig down, H₂O tested good, We have 65 DSKs 3200 Dye 23 qts KCL

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting @ 5:45pm, Circulate @ 6:08pm, Cement @ 6:19 to 6:38pm, Drop plug @ 6:38pm, Displace @ 6:36pm
10 bbls @ 100 psi @ 6:39pm @ 4.0 bbls/min
20 bbls @ 200 psi @ 6:41pm @ 4.0 bbls/min
30 bbls @ 300 psi @ 6:43pm @ 4.0 bbls/min
40 bbls @ 310 psi @ 6:45pm @ 2.0 bbls/min
41.2 bbls @ 310 psi @ 6:48pm @ 1.0 bbl/min
Bump plug @ 6:49pm @ 500 psi
Float collar held.

4% Excess
236 Sacks
53.4 bbls slurry
2 bbls to pit

Left location with, 414 sks, 1600 dye, 19 qts KCL

[Signature]
AUTHORIZATION TO PROCEED

Co Mgr
TITLE

8-10-11

DATE