

BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102
Denver, Colorado 80202
Phone: 303-296-3010
Fax: 303-298-8143
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 9763
LOCATION WCR 49 + 30
FOREMAN Daniel Satteman

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
4-10-11	Decant State #30-19	36	3N	65W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>ENGIN 121</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>5:55 AM</u>	TIME LEFT LOCATION <u>9:30 AM</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>728.8</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
POTD <u>827.63</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>722</u>		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT <u>24 #</u>	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION <u>Good</u>			<input checked="" type="checkbox"/> SURFACE PIPE <input type="checkbox"/> PRODUCTION CASING <input type="checkbox"/> SQUEEZE CEMENT <input type="checkbox"/> ACID BREAKDOWN <input type="checkbox"/> ACID STIMULATION <input type="checkbox"/> ACID SPOTTING <input type="checkbox"/> MISC PUMP <input type="checkbox"/> OTHER		
			BREAKDOWN BPM INITIAL BPM FINAL BPM MINIMUM BPM MAXIMUM BPM AVERAGE BPM 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, Psi test, Circ 40 bbls of H₂O w/ KCL 2nd 10 w/ 10 oz Dye, mix & pump 30.8
SKs of Cement @ 30% Excess @ 15.2' @ 1.27 yield or until Stopped By Co man, Drop Plug Displace 43.1 bbls of
H₂O Dump Plug @ 150 psi over lift psi, wait 5 min Release psi wash up Rig Down H₂O test ok

Arrival w 200 SKs of Cement 3 gal KCL 32 oz Dye 69.6 bbls of Slurry

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 7:35 AM Circ 7:57 AM Cement 8:10 AM
Drop Plug 8:24 AM Displace 8:24 AM

10 bbls	6.0 l/m	160 psi	8:28 AM	Used 2.37 SKs of Cement
20 bbls	6.0 l/m	210 psi	8:30 AM	0% Excess
30 bbls	6.0 l/m	320 psi	8:33 AM	53.6 bbls of Slurry
40 bbls	2.5 l/m	370 psi	8:36 AM	
43.1 bbls	1.0 l/m	310 psi	8:38 AM	
Bump Plug	520 psi		8:38 AM	

Left w 463 SKs of Cement 2 gal KCL 22 oz Dye 8 bbls to pit

Nancy Stapleton
AUTHORIZATION TO PROCEED

TITLE

4-11-11
DATE