

BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 11
Denver, Colorado 80202
Phone: 303-295-3010
Fax: 303-298-6143
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 1110

LOCATION Brigsdale

FOREMAN Randy Newton

TREATMENT REPORT

DATE <u>12-4-10</u>	WELL NAME <u>State 7-61-16</u>	SECTION <u>10</u>	TWP <u>7N</u>	RGE <u>6W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Excell</u>		OWNER <u>Antelope Energy Co.</u>				
MAILING ADDRESS		OPERATOR				
CITY		CONTRACTOR <u>Excell 853</u>				
STATE ZIP CODE		DISTANCE TO LOCATION <u>120 mi</u>				
TIME ARRIVED ON LOCATION <u>5:30 A.M.</u>		TIME LEFT LOCATION <u>9:45 P.M.</u>				

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE <u>12 1/4"</u>	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>620'</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE <u>9 5/8"</u>	TUBING CONDITION	TREATMENT VIA	TUBING	
CASING DEPTH <u>682'</u>	PACKER DEPTH			
CASING WEIGHT <u>36" 52.30</u>				
CASING CONDITION <u>good</u>				

PRESSURE SUMMARY			TREATMENT RATE	
BREAKDOWN & CIRCULATING psi	AVERAGE psi		TYPE OF TREATMENT	BREAKDOWN BPM
FINAL DISPLACEMENT gal	ISIP psi		<input checked="" type="checkbox"/> SURFACE PIPE	INITIAL BPM
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> PRODUCTION CASING	FINAL BPM
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> SQUEE CEMENT	MINIMUM BPM
MINIMUM psi			<input type="checkbox"/> ACID BREAKDOWN	MAXIMUM BPM
			<input type="checkbox"/> ACID STIMULATION	AVERAGE BPM
			<input type="checkbox"/> ACID SPOTTING	
			<input type="checkbox"/> MISC PUMP	
			<input type="checkbox"/> OTHER	

INSTRUCTIONS PRIOR TO JOB MJRU 5m circ 10 bbls yield data MHP 339 SLs of 24 with @ 15.2 lb per gal
Water req. 4.78 gal/sk 38.5 bbls mix yield 1.13 cu ft/sk Drop plug 27 ft below 32.30'
44.7 bbls water land plug shut in well rig down 25th @ 36th 74.91' at rest 32.30'
497.09 Annulus 3131 Inp 10773 cu. 10787

100% Excess as per Fernie Evans Tool plus 4hr

JOB SUMMARY		DESCRIPTION OF JOB EVENTS		Drop plug		Displace	
		MJRU	5m	circ	MHP		
		7:00 P.M.	8:30 A.M.	8:33	8:37	9:00	9:05
		land plug	shut in well	rig down			9:07 10 120
		9:30	9:51	9:33			9:15 20 170
							9:15 30 200
							9:26 40 220
							9:30 44.7 500

24 bbls cement to p. 7
land plug w 500 PSI

Fernie Evans

AUTHORIZATION TO PROCEED

TITLE

DATE

Customer hereby acknowledges and specifically agrees to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity.