

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11066

LOCATION 127 d 104

FOREMAN Tucker Lubinski
Rhla, Pa

TREATMENT REPORT

DATE <u>7/26/12</u>	WELL NAME <u>Timber 408-6242</u>	SECTION <u>8</u>	TWP <u>9N</u>	RGE <u>58W</u>	COUNTY <u>Weld</u>	FORMATION
CHANGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>H&P 326</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>2:00 pm</u>		TIME LEFT LOCATION <u>9:00 pm</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 3/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>1605</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD <u>1554</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>1554</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>36 lb</u>	PACKER DEPTH		[] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>Good</u>			[] PRODUCTION CASING		INITIAL BPM
			[] SOLEZE CEMENT		FINAL BPM
			[] ACID BREAKDOWN		MINIMUM BPM
			[] ACID STIMULATION		MAXIMUM BPM
			[] ACID SPOTTING		AVERAGE BPM
			[] MISC PUMP		
			[] OTHER		HYD 100' = RATE X PRESSURE X 40 S

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 P/T test Per co - men Pipe 120 bbls K₂O 2nd 10 w/dye mix
+ Pump ahead of 585 sks w/yield of 1.69 at 13.1 lbs (20% excess) or until co - men stops us then mix & pump
a tail of 100 sks cement w/yield of 1.27 at 15.2 lbs Release plug disp 120.1 bbls H₂O B - Air Plug 150 psi
over 1 ft psi wait 5 min release psi wash up rig down Lead - bbls slurry 158 bbls
Arrived w/ 750 sks cement 16 on dye 110 skt ok Tail - slurry 22.6 bbls

JOB SUMMARY			
DESCRIPTION OF JOB EVENTS <u>Safety meeting 6:15 pm</u> <u>Circ 6:45</u> <u>Current 7:11</u> <u>stop cement 7:52</u>			
<u>10 bbls at</u>		<u>Disp Plug 7:59</u>	<u>Disp 7:59</u>
<u>20 bbls at</u>	<u>100 bbls at</u>		
<u>30 bbls at</u>	<u>110 bbls at</u>		<u>used 189 % excess lead</u>
<u>40 bbls at</u>	<u>120 bbls at</u>		<u>used 481 sks lead</u>
<u>50 bbls at</u>			<u>used 100 sks tail</u>
<u>60 bbls at</u>			<u>144.7 bbls slurry lead</u>
<u>70 bbls at</u>	<u>Dropped valve in pump</u>		<u>22.6 bbls slurry tail</u>
<u>80 bbls at</u>	<u>and blew out packing Rig head</u>		
<u>90 bbls at</u>	<u>to Disp & Pump Plug</u>		

Left w/ sks cement bbls back 20

<u>WS</u>	<u>7/26/12</u>
AUTHORIZATION TO PROCEED	DATE

Customers 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