

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 # 9832

LOCATION 49-36

FOREMAN Kirk Kallhoff
mile R LR Jossie

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
<u>4-25-11</u>	<u>Dechant 7-1-17</u>	<u>17</u>	<u>3N</u>	<u>64W</u>	<u>weld</u>	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign 136</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>9:00 pm</u>	TIME LEFT LOCATION <u>2:00 am</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>661</u>	TUBING DEPTH	SHOTS/FT			
<u>PBTD 605</u>	TUBING WEIGHT	OPEN HOLE			
CASING SIZE <u>8 5/8</u>	TUBING CONDITION				
CASING DEPTH <u>651</u>					
CASING WEIGHT <u>24 lb</u>	PACKER DEPTH				
CASING CONDITION <u>good</u>					

PRESSURE SUMMARY			TYPE OF TREATMENT		TREATMENT RATE	
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM	
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM	
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> SQUEEZE CEMENT		FINAL BPM	
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM	
MINIMUM psi			<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, Psi test, circ 40 BBLs KCL H2O 2nd 10w/ Dye, misc Pump 280 SKS
reman at 30% Excess at 1.27yeild at 15.215s or until comm stops us, Release Plug, Displace 38.5 BBLs H2O
Bump Plug at 150psi over LIFT Psi, wait 5min, Release Psi, washup, Rig Down

Arrived w/ 575 SKS reman 4 gallons KCL 16oz Dye H2O test OK
631 BBLs slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS safety meeting 12:05 am cir 12:45 am reman 12:54 am
Drop Plug 1:13 am Displace 1:13 am

10 BBLs at 5.5 BBLs/m 1:16 am 260 psi used 6% Excess
20 BBLs at 5.5 BBLs/m 1:18 am 360 psi used 229 SKS reman
30 BBLs at 3.5 BBLs/m 1:20 am 310 psi 51.4 BBLs slurry
38.5 BBLs at 1.0 BBLs/m 1:25 am 260 psi
Bump Plug 1:25 am 450 psi

LIFT w/ 346 SKS reman 3 gal KCL 6oz Dye BBLs Back 12

SK Kallhoff W.S.S. 4-25-11
AUTHORIZATION TO PROCEED TITLE 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.