

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10749
LOCATION WKR 51 + 4L
FOREMAN M. K. Rosaloe

TREATMENT REPORT

DATE <u>1-7-12</u>	WELL NAME <u>Sandy Hills PCQ 17-67 HW</u>	SECTION <u>17</u>	TWP <u>4N</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>Ensign 132</u>			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION <u>3:00</u>			TIME LEFT LOCATION <u>7:30</u>			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>780</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>780</u> <u>727.1</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>772</u>	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE	
CASING WEIGHT <u>361BS</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, Sattymectry, PSE TEST 500 PSE, Circulate 50 BBls/KCL mix 2nd
10 Dye, mix + Pump 420 SKS Cement (30% Excess) 1.27 yield, at 15-21 BS or until 1 Comp.
men stoppes us. Release Plug Displace 56.2 BBls H2O Bump Plug 150 PSE over just wait 5 min
Release PSE, Wash up Rig Down H2O TEST Good
Arrive with 750 SKS Cement 1296 KCL, 1602 Dye Slurry 94.84

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Sattymectry 5:25 AM Circ. 5:46 AM Cement 5:56 AM
DROP Plug 6:34 AM Displace 6:34 AM

<u>10 BBls at 5-5 BBls/m 6:37</u>	<u>340 PSE</u>	<u>Used 39 % Excess</u>
<u>20 BBls at 5-5 BBls/m 6:39</u>	<u>410 PSE</u>	<u>Used 449 SKS Cement</u>
<u>30 BBls at 5-5 BBls/m 6:41</u>	<u>460 PSE</u>	<u>Slurry 101.55</u>
<u>40 BBls at 5-0 BBls/m 6:44</u>	<u>500 PSE</u>	<u>Flow Coller held</u>
<u>50 BBls at 3-0 BBls/m 6:47</u>	<u>420 PSE</u>	
<u>56.2 BBls 1-5 BBls/m 6:50</u>	<u>330 PSE</u>	
<u>Bump Plug 1-5 BBls/m 6:50</u>	<u>540 PSE</u>	<u>BBls Back to AT</u>
<u>(26)</u>		

Left with 301 SKS Cement 7 gts KCL @ Dye

AUTHORIZATION TO PROCEED

TITLE

DATE