

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 # 11388

LOCATION WCR 38129

FOREMAN Mike Rask

TREATMENT REPORT

DATE <u>3/9/12</u>	WELL NAME <u>Kern L04-32-0</u>	SECTION <u>4</u>	TWP <u>3N</u>	RGE <u>6E</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>			OWNER			
MAILING ADDRESS			OPERATOR <u>Noble</u>			
CITY			CONTRACTOR <u>ENGIN 126</u>			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION <u>6:00 pm</u>			TIME LEFT LOCATION			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>751</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>699.97</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>745.45</u>	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE	
CASING WEIGHT <u>24180</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	

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, Sathymech, PSI TEST, Circ 50 BBLs H₂O / KCL mix 2nd 10 Dye mix
+ Pump 318 sks Cement (30% Excess) 1.27 yield. 15-2 lbs or unit. / Company man stoppes
Use Release Plug Displace 44.5 BBLs H₂O Pump Plug 150 PSI over 10 min wait Couple min Release PSI
Wash up Rig Down. H₂O TEST Good

Arrived with 650 sks Cement 10 gal KCL 16 oz Dye Sherry 71-92

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS Sathymech 7:35 PM Circ 8:15 AM Cement start 8:26 AM
Cement Finish 8:46 PM DRUP Plug 8:49 PM Displace 8:49 PM

<u>10 BBLs at 5-3 BBLs/m 8:53 PM 230 PSI</u>	<u>Used 19 % EXCESS</u>
<u>20 BBLs at 5-3 BBLs/m 8:55 PM 310 PSI</u>	<u>Used 293 sks Cement</u>
<u>30 BBLs at 5-1 BBLs/m 8:57 PM 410 PSI</u>	<u>sherry 66.27</u>
<u>40 BBLs at 3-1 BBLs/m 9:00 PM 300 PSI</u>	<u>Flow Cold held</u>
<u>44.5 BBLs at 1-0 BBLs/m 9:03 PM 300 PSI</u>	
<u>Pump Plug 1-0 BBLs/m 9:03 PM 510 PSI</u>	

Left with sks Cement 94 KCL 16 oz Dye BBLs Back to P.T

WSS 3-9-12

AUTHORIZATION TO PROCEED TITLE DATE