

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 # 10881

LOCATION 18-51

FOREMAN Rick Kalhoff
Tucker, Dario

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
1-21-12	Bell usx R29-03	29	2N	64W	Weld	
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>Ensign 126</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>8:00am</u>		TIME LEFT LOCATION <u>1:00pm</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>1098</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD <u>1047.99</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>1093.35</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>2415</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, safety meeting, Psit test, Per loman circ 40 bbls KCL H2O, mix & Pump Lead cement at 20% excess at 1.32 yield 323 sks at 14.8 lbs, mix & Pump tail cement 100 sks at 1.27 yield at 15.2 lbs Release Plug Disp 66.7 Bbls H2O Bump Plug At 150 Psi out Lift Psi, wait 5 min Release Psi wash up Rig Down H2O test OK
Arrived w/ 400 sks neat cement 200 sks 3% cement 4 gal KCL 75.9 Bbls slurry Lead 22.6 gal

JOB SUMMARY	
DESCRIPTION OF JOB EVENTS	<u>SAFETY meeting 11:00am</u>
	<u>circ 11:29am</u>
	<u>cement 11:35am</u>
<u>Disp Plug 12:00pm</u>	<u>Displace 12:00pm</u>
<u>10 Bbls At 6.0 Bbls/m 12:02pm 220psi</u>	<u>used 20% excess Lead</u>
<u>20 Bbls At 6.0 Bbls/m 12:04pm 300psi</u>	<u>used 323 sks neat cement Lead</u>
<u>30 Bbls At 6.0 Bbls/m 12:05pm 380psi</u>	<u>used 100 sks 3% cement tail</u>
<u>40 Bbls At 6.0 Bbls/m 12:07pm 480psi</u>	<u>75.9 Bbls slurry Lead</u>
<u>50 Bbls At 6.0 Bbls/m 12:09pm 520psi</u>	<u>22.6 Bbls slurry tail</u>
<u>60 Bbls At 3.5 Bbls/m 12:11pm 480psi</u>	<u>423 sks cement total</u>
<u>66.7 Bbls At 1.0 Bbls/m 12:14pm 400psi</u>	<u>98.5 Bbls slurry total</u>
<u>Bump Plug 12:14pm 580psi</u>	

Lst w/ 77 sks neat cement 100 sks 3% cement 3 gal KCL Bbls Back 23

	Co-MAN	1-21-12
AUTHORIZATION TO PROCEED	TITLE	DATE