

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 # 10585
LOCATION 76-47
FOREMAN Kirk Raillo FF
Jessy Rob

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-9-11	Booth 48XSE 25-010	25	7N	6SW	weld	
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR Ensign 121				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 5:45am		TIME LEFT LOCATION 10:00am				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 766	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 699.76	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 745.16		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24 lb	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION good			<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, Psidest, Per company, circ 410 Bbls Red H2O, 2nd 1000 Dye, mix & Pump 324
SKs cement at 30% excess at 1.27 yield at 15.2 lbs or unit. 11 cement stops 45, remove then 50% excess, Release Plug
Disp 44.5 Bbls H2O, Bump Plug At 150psi over Lift Psi, wait 5 min Release Psi, washup Rig Down
H2O test OK

Arrived w/ 750 SKs cement 4 gal Red 16oz Dye 73.2 Bbls slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS safety meeting 7:37am circ 8:13am cement 8:22am
Drop Plug 8:51am Disp 8:51am

used 230% excess
10 Bbls At 5.5 Bbls/m 8:54am 170psi
20 Bbls At 5.0 Bbls/m 8:56am 210psi
30 Bbls At 5.0 Bbls/m 8:58am 290psi
40 Bbls At 2.5 Bbls/m 9:05am 260psi
44.5 Bbls At 1.0 Bbls/m 9:09am 260psi
Bump Plug 9:09am 450psi
used 307 SKs cement
69.4 Bbls slurry

Lift w/ Bbls Back 10

Paul Brub AUTHORIZATION TO PROCEED WSS TITLE 11-9-11 DATE