

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11377

LOCATION 70 Ranch

FOREMAN Mike Rorales
Tucker Mark Rob

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
2/24/12	70 Ranch USX 8825 9C 44W	25	5N	63W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>H&P 315</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>6:30 am</u>	TIME LEFT LOCATION <u>11:15 am</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>583</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
<u>P&D 536.65'</u>	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE <u>9 5/8</u>	TUBING CONDITION			TUBING	

CASING DEPTH <u>577</u>	TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT <u>24 lbs</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, Safety meeting, Psi Test Per Lomen 500 PSI Circ 50 BBLs H₂O / KCL
mix, 1st 10 SAP 2nd 10 Dye + Soap, mix + Pump 314 SKS Cement (30% Excess) 1.27 yield
at 15-2 on until Company men stopper us, Release Plug Displace 41.4 BBLs H₂O Pump Plug
100 over left wait 5 min Release PSI wash up Rig Down H₂O Test 71.02
Arrived Well 600 SKS Cement 200 lbs SAP 5 gal Soap 15 gal KCL 1602 Dye Slurry 76.02

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 8:55 am Circ 9:30 am Cement 9:38 am
Drop Plug 10:05 am Displace 10:03 am

10 BBLs at 5 bbls/min	10:03 am	240 psi	Used 26% excess Used 307 SKS 69.4 BBLs slurry
20 BBLs at 5 bbls/min	10:10 am	300 psi	
30 BBLs at 5 bbls/min	10:12 am	370 psi	
40 BBLs at 5 bbls/min	10:16 am	230 psi	
41.4 BBLs at 1 bbls/min	10:17 am	280 psi	
Bump Plug	10:17 am	750 psi	

BBLs Back to P.P. 14

Left with SKS Lomen 251B SAP 4 gal Soap 11 gals KCL 0 Dye Float collar held

Steve Rorales
AUTHORIZATION TO PROCEED

Ass supervisor
TITLE

2-24-12
DATE