

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11282

LOCATION Wells Ranch

FOREMAN Mike Rosale

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-09-12	Wells Ranch AA-2463 AD	24	6	63	Weld	

CHARGE TO	NOTE	OWNER
MAILING ADDRESS		OPERATOR Noble
CITY		CONTRACTOR H+P 343
STATE ZIP CODE		DISTANCE TO LOCATION 31 miles
TIME ARRIVED ON LOCATION 11:00 AM		TIME LEFT LOCATION 2:15

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 624	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
PBTD 574.29	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE 9 5/8	TUBING CONDITION			TUBING	
CASING DEPTH 619		TREATMENT VIA		TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT 36 LBS	PACKER DEPTH			W- SURFACE PIPE	BREAKDOWN BPM
CASING CONDITION Good				[] PRODUCTION CASING	INITIAL BPM
				[] SQUEEZE CEMENT	FINAL BPM
				[] ACID BREAKDOWN	MINIMUM BPM
				[] ACID STIMULATION	MAXIMUM BPM
				[] ACID SPOTTING	AVERAGE BPM
				[] MISC PUMP	
				[] OTHER	1072 BPM = RATE X PRESSURE X 40 S

PRESSURE SUMMARY			
BREAKDOWN or CIRCULATING psi	AVERAGE psi		
FINAL DISPLACEMENT psi	ISIP psi		
ANNULUS psi	5 MIN SBP psi		
MAXIMUM psi	15 MIN SBP psi		
MINIMUM psi			

INSTRUCTIONS PRIOR TO JOB Rig up, Saffymetric, Port Test, Circ 40 BBIs Has KCL mv 2nd 10 Dye must Pump 336 Skts Cement (30% Excess) 1st 27 yds. at 15-21B, BEHIND 34/38 BMT-1, Or until Company man stops us. Release Plug Displace 46.3 BBIs New Pump Plug 150 PSI will hit wait couple min Release PST PST Back to 1000 for 15 min

Annulus Facts .6258, Chp 389 Arrived with 600 skts 16 qt KCL 50 LBS Sugar 1602 Dye

JOB SUMMARY		DESCRIPTION OF JOB EVENTS	
Rig up	Saffymetric	Circ m+p	DROPPING
12:00 PM	12:20 PM	12:35 PM	1:07 PM
			Displace Shot-In
			Time 0 PSI 1:18 PM
			1:10 10 160
			Slurry 74.4 1:12 20 490
STAT Cement	STOP Cement	Used 329 Skts Cement	1:14 30 480
12:44 PM	1:01 PM	Excess 27%	1:16 40 340
			1:18 44.3 250
			1:18 Bury 450
		Presum Test 1:23 PM	
		1:38 PM	BBIs Back to RT

Left with 271 Skts Cement 12 qt KCL 6 Dye Sugar 50 (14)

MAH [Signature]
AUTHORIZATION TO PROCEED

TITLE

11-09-12

DATE

Customers hereby acknowledge and specifically agree to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity