

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11275

LOCATION 49th

FOREMAN Mike Rosale

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-14-12	Wiest J28-651 HW	28	5	46	Ucd	

CHARGE TO	Noble	OWNER	
MAILING ADDRESS		OPERATOR	Noble
CITY		CONTRACTOR	H+P 322
STATE ZIP CODE		DISTANCE TO LOCATION	
TIME ARRIVED ON LOCATION	12:30 PM	TIME LEFT LOCATION	5:00 PM

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	13 3/4	TUBING SIZE		THEORETICAL	INSTRUCTED
TOTAL DEPTH	805	TUBING DEPTH		SURFACE PIPE ANNULUS LONG	
PTN 75411		TUBING WEIGHT		STRING	
CASING SIZE	9 5/8	TUBING CONDITION		TUBING	
CASING DEPTH	798.9	TREATMENT VIA		TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT	361 BS	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 HH ² = RATE X PRESSURE X 40.8

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

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, PSE Test Circ 50 BBls 1/2 2nd 10 Dye in it
mix + Pump 434 sks Cement (30% Excess) 1.27 gals at 15-2 LBS, or until Compagmen
stops vs, Release Plug Displace 582 BBls 1/2 Bump Plug 150 PSE over 1st wait Compagmen
Release PSE Pressure Test 1,000 for 15 min Release PSE Washup Rig Down
Arrived with 5 sks Cem 10 gtl KLL 16 oz Dye 1 Bag Surfer

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 4:30 AM Arr 4:48 AM Cement start 5:11 AM
Cement stop 5:33 AM Drop Plug 5:40 AM Displace 5:40 AM

10 BBls at 5-0 BBls 1/2 5:43 AM 210 PSE used 19% Excess
20 BBls at 5-0 BBls 1/2 5:45 AM 330 PSE used 5% 100 Cement
30 BBls at 5-0 BBls 1/2 5:47 AM 430 PSE 5 LBS 90
40 BBls at 5-0 BBls 1/2 5:51 AM 430 PSE
50 BBls at 4-6 BBls 1/2 5:52 AM 500 PSE
58.2 BBls + 3 BBls 1/2 5:57 AM 320 PSE
Bump Plug 1-3 BBls 1/2 5:55 AM 470 PSE BBls to P.T
Flow Coller held 18 16
Left with 200 sks Cement 5 gtl KLL + Dye

Erik Cousins
AUTHORIZATION TO PROCEED

W.S.S.
TITLE

10-14-12
DATE

Customers hereby acknowledges and specifically agrees 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.