

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11318

LOCATION 104-111

FOREMAN Rick Kellner
Pete Mavie

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-7-12	Ptassnick LC 20-75412	20	7N	5W	Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR HEP 326
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 11:30am	TIME LEFT LOCATION 1:00pm

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
13 3/4				
TOTAL DEPTH 756	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
PBFD 701	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE 9 5/8	TUBING CONDITION		TUBING	
CASING DEPTH 746		TREATMENT VIA	TYPE OF TREATMENT	
CASING WEIGHT 3615	PACKER DEPTH		TREATMENT RATE	
CASING CONDITION good			BREAKDOWN BPM	
			INITIAL BPM	
			FINAL BPM	
			MINIMUM BPM	
			MAXIMUM BPM	
			AVERAGE BPM	
			HYD HP = RATE X PRESSURE X 4.08	

PRESSURE SUMMARY		TYPE OF TREATMENT		TREATMENT RATE	
BREAKDOWN or CIRCULATING PSI	AVERAGE PSI				
FINAL DISPLACEMENT PSI	ISIP PSI	1 SURFACE PIPE			
ANNULUS PSI	5 MIN SIP PSI	1 PRODUCTION CASING			
MAXIMUM PSI	15 MIN SIP PSI	1 SQUEEZE CEMENT			
MINIMUM PSI		1 ACID BREAKDOWN			
		1 ACID STIMULATION			
		1 ACID SPOTTING			
		1 MISC PUMP			
		1 OTHER			

INSTRUCTIONS PRIOR TO JOB Pig up, soft tag meeting, Pitsel, Per cement Cir 50 Bbls Kill H2O 2.2 10w/Dye mix Pump
409 SKs cement at 30% excess at 127 yield at 152 lbs cement till stopped By cement, Release Plug Disp
54.1 Bbls H2O Pump Plug At 150psi at 1.11 PSI, wait 5 min Release PSI, wash up Pig Down
H2O Prod at

Arrived w/ 750 SKs cement 11:30 AM 1602 Dye 92.5 Bbls slurry

JOB SUMMARY DESCRIPTION OF JOB EVENTS soft tag meeting 2:03pm cir 2:21pm cement 2:30pm displacement 2:51pm

Disp Plug 2:55pm Disp 2:55pm
10 Bbls AT 6 Bbls/min 2:57pm 250psi
20 Bbls AT 6 Bbls/min 2:59pm 300psi
30 Bbls AT 3.5 Bbls/min 3:02pm 200psi
40 Bbls AT 3.5 Bbls/min 3:05pm 300psi
50 Bbls AT 3.5 Bbls/min 3:08pm 300psi
54.1 Bbls AT 1 Bbl/min 3:12pm 300psi
Bump Plug 3:12pm 520psi

used 10% excess
used 346 SKs cement
78.2 Bbls slurry

LAmp 409 SKs cement 2:51 300psi 602 Dye Bbls Back 14

Signature

9-7-12

AUTHORIZATION TO PROCEED

TITLE

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