

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # ~~10587~~ 10776

LOCATION 76-417

FOREMAN Kirk Kallhoff
Jesse, Eddie

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-13-11	Booth USX EEZS-03D	25	7N	65W	Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Ensign/21
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 9:00pm	TIME LEFT LOCATION 2:30am

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 764	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
BBB 713.90	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE 8 5/8	TUBING CONDITION			TUBING	

CASING DEPTH 759.26		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	

PRESSURE SUMMARY					
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM	
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM	
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM	
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> MISC PUMP		
MINIMUM psi			<input type="checkbox"/> OTHER	HYD HHP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB Rig up, safety meeting, Bited, Perconan, etc 40361s KCL H2O 2nd 104 Dye, mix Pump 323
SKS cement at 30% Excess at 1:27 yield at 1512 lbs cement till cement stops up, use more than 50% Excess,
Release Plug Disp 45.4 BBls H2O, Pump Plug At 180 psi over Lift Psi, wait 5 min Release Psi, wash up
Pig Down H2O test OK

drilled w/ 575 SKS cement 4 gal KCL 16oz Dye 73 BBls slurry

JOB SUMMARY DESCRIPTION OF JOB EVENTS safety meeting 12:43 am rig 1:03 am cement 1:12 am

Drop Plug 1:38 am Displace 1:38 am

10 BBls At 5.0 BBls/m 1:41 am 180 psi used 20% Excess

20 BBls At 5.0 BBls/m 1:43 am 270 psi used 298 SKS cement

30 BBls At 5.0 BBls/m 1:45 am 350 psi 67.4 BBls slurry

40 BBls At 3.0 BBls/m 1:50 am 340 psi

45.4 BBls At 1.0 BBls/m 1:54 am 290 psi

Pump Plug 1:54 am 480 psi

Lift w/ 277 SKS cement 3 gal KCL 6oz Dye BBls Back 15

[Signature] WSS 11-13-11
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.