

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10295

LOCATION WCR 74+83

FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-24-12	Ducth Lake 09-11 H	11	6N	62W	Weld	

CHARGE TO <u>Bill Barrett</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Bill Barrett</u>
CITY	CONTRACTOR <u>PRO PETRO Rig 10</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>11:45 am</u>	TIME LEFT LOCATION <u>5:00 pm</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 1/2</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>831</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 756.19</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>801.01</u>		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT <u>3616</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	TREATMENT RATE	
CASING CONDITION <u>Good</u>			<input type="checkbox"/> PRODUCTION CASING	BREAKDOWN BPM	
			<input type="checkbox"/> SQUEEZE CEMENT	INITIAL BPM	
			<input type="checkbox"/> ACID BREAKDOWN	FINAL BPM	
			<input type="checkbox"/> ACID STIMULATION	MINIMUM BPM	
			<input type="checkbox"/> ACID SPOTTING	MAXIMUM BPM	
			<input type="checkbox"/> MISC PUMP	AVERAGE BPM	
			<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 Rigup, Safety meeting, Per Company Man, Psi check to 500 Psi, Circ 60 bbls H₂O with KCL + Dyex 16 in 2nd 10 bbls, Mix + pump tell good Dye is SEEN at 15.2 lbs. 127 yield, DROP plug, Displace 58.4 bbls Muc, Bump plug at 150 Psi over Lift Psi, Wait 5 min then bleed off Psi, Wash up, Rigdown,

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety Meeting 2:45 pm, Circ 2:55 pm, CEMENT 3:10 pm to 3:38 pm
Drop Plug 3:44 pm, Displace 3:45 pm
10 bbls. 310 Psi 3:48 pm 5.5 bbls/m
20 bbls. 420 Psi 3:51 pm 5.5 bbls/m
30 bbls. 470 Psi 3:53 pm 5.5 bbls/m
40 bbls. 520 Psi 3:55 pm 5.5 bbls/m
50 bbls. 560 Psi 3:57 pm 4.5 bbls/m
58.4 bbls. 310 Psi 4:00 pm 1.0 bbls/m
Bump Plug 630 Psi at 4:00 pm Flat Collar Held
USED 20% EXCESS = 399 SKS, 90.24 bbls SLURRY
18 bbls SLURRY TO THE PIT

Coxey, J.

AUTHORIZATION TO PROCEED

TITLE

10-24-12

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.