

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10849

LOCATION CR 76453

FOREMAN Pat New

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
1-19-12	HEINZ USX AB 29-15	29	4N	64W	WELLS	
CHARGE TO Noble			OWNER			
MAILING ADDRESS			OPERATOR Noble			
CITY			CONTRACTOR Ensign 136			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION 7:30			TIME LEFT LOCATION 12:00			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 9 7/8	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 847	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PTM 791.58	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 837		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24#	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 HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up, sit for meeting, per company with circ 40 BBS 1700 ML KCL
DxL 10' 2nd 10' mix pump till DxE is seen then pump till only 9' 15" 1.375" 1.375"
10' 60' over 30% excess without picking up company man, 10' 10' pump, Displace 50.4 BBS
Bump plug at 150 PSI down 14 PSI wait 5 min. Release PSI, Wash up 1200 ML
Wash up 1000 ML 3202 DxL 20 QTS KCL

JOB SUMMARY
DESCRIPTION OF JOB EVENTS sat for 9:47 circ 10:08 mix 10:17 drop plug 10:45
Displace 10:47
10 10:50 140 PSI 5 BBS MLV
20 10:52 170 5
30 10:54 240 5
40 10:56 450 5
50.4 11:03 280 1
DID NOT Bump plug float collar print 10' 10' left 10' 10'
Avg cement 2.5 BBS MIN
used 5% excess = 290 SKS = 65.5 BBS SKS
left with 310 SKS 1602 DxL 16 QTS 17 CL
13 BBS top it

John M. Taylor *Colman*
AUTHORIZATION TO PROCEED TITLE
1-19-12
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.