

BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102
Denver, Colorado 80202
Phone: 303-296-3010
Fax: 303-298-8143
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 11241
LOCATION WCR 74+83
FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-27-12	Ducth LAKE H-13H	13	6N	62W	Weld	
CHARGE TO <u>Bill Barrett</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Bill Barrett</u>				
CITY		CONTRACTOR <u>APRO Petro Rig 10</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>1:44 pm.</u>		TIME LEFT LOCATION <u>6:00 pm.</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 1/2</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>860</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 787.22</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>832.22</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>36 lb.</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
CASING CONDITION <u>Good</u>			<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM	
			<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM	

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		
		<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, Safety meeting, PER Company Man, BREAK CIRC, CIRC 60 bbls. H2O with KCL + DYE 1 lb in 2nd 10 bbls, Mix + pump tell good Dye is seen at 15.2 lbs 1.27 yield, Drop plug, Displace 5 bbls H2O and 55.8 bbls Mud, Bump plug at 150 Psi OVER lift Psi, Wait 5 min then bleed off Psi, Wash up, Rig down, H2O TESTED good, We have 750 SKS, 32 oz. Dye, 16 Qts KCL,

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety Meeting 3:55pm, CIRC 4:09pm, CEMENT 4:21pm to 4:42pm
Drop Plug 4:46pm Displace 4:53pm
10 bbls 270 Psi 4:56pm 5.5 bbls/m
20 bbls 300 Psi 4:58pm 5.5 bbls/m
30 bbls 370 Psi 5:00pm 5.5 bbls/m
40 bbls 450 Psi 5:02pm 5.5 bbls/m
50 bbls 510 Psi 5:04pm 5.5 bbls/m
60.8 bbls 420 Psi 5:08pm 1.0 bbls/m
Bump Plug 860 Psi AT 5:08pm Float Collar Held
USED 10% EXCESS = 380 SKS, 85.75 bbls Slurry
Left with 370 SKS, 16 oz Dye 10 Qts KCL
8 bbls Slurry To The Pit

Casey Lane AUTHORIZATION TO PROCEED
TITLE
DATE 10-27-10

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.