

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11089

LOCATION Cutterson Ranch

FOREMAN Mike Rosalee

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
6-25-12	Chandler D-23 79HW	14	3	64	Well	
CHARGE TO <u>Noble</u>			OWNER			
MAILING ADDRESS			OPERATOR <u>Noble</u>			
CITY			CONTRACTOR <u>Ensign 132</u>			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION <u>12:00</u>			TIME LEFT LOCATION <u>4:30</u>			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>791</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNUUS LONG		
<u>PBD 740.30</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>781</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>36 1/2</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE <input type="checkbox"/> PRODUCTION CASING <input type="checkbox"/> SOEZE CEMENT <input type="checkbox"/> ACID BREAKDOWN <input type="checkbox"/> ACID STIMULATION <input type="checkbox"/> ACID SPOTTING <input type="checkbox"/> MISC PUMP <input type="checkbox"/> OTHER		BREAKDOWN BPM INITIAL BPM FINAL BPM MINIMUM BPM MAXIMUM BPM AVERAGE BPM HYD TRIP = RATE X PRESSURE X 40.8
CASING CONDITION <u>GOOD</u>					

PRESSURE SUMMARY			
BREAKDOWN OF CIRCULATING	psi	AVERAGE	psi
FINAL DISPLACEMENT	psi	ISIP	psi
ANNUUS	psi	5 MIN SIP	psi
MAXIMUM	psi	15 MIN SIP	psi
MINIMUM	psi		

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, Pst Test Circ 50 BBls HeatCL mix 2% 10 Dye mix + Pump 466 sks (30% excess) 1.22 gpd at 15-2 lbs on control Company stopper us, Release Plus Displm 59.2 BBls Bump Plug 150 Pst out All wait 10 min Release Pst. Wash up Rig Down

ARR Coats Cement 12 gals KCL 1600 Dye

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 1:40 PM Circ 2:20 PM Cement start 2:35 PM

Chemist stop 3:00 PM Drop plug 3:06 PM Displac 3:06 PM

10 BBls at 5-6 BBls/m	3:12 PM	300 Pst	used 41 % excess
20 BBls at 5-5 BBls/m	3:14 PM	400 Pst	
30 BBls at 5-5 BBls/m	3:16 PM	440 Pst	used 46% sks cement
40 BBls at 5-5 BBls/m	3:18 PM	490 Pst	
50 BBls at 3-3 BBls/m	3:21 PM	380 Pst	Slurry 104.9
72 BBls at 1-1 BBls/m	3:23 PM	310 Pst	
Bump plug 1- BBls/m	3:25 PM	500 Pst	

BBls Back to Pst
(20)

Left 134 sks cement 7 gals KCL @ Dye

[Signature]

AUTHORIZATION TO PROCEED

WSS

TITLE

6-25-12

DATE

Customers hereby acknowledge and specifically agree 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.