

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11076
LOCATION Hwy 141 & Cr 15
FOREMAN Tucker Whitcomb
 Pablo Don

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8/15/12	<u>Custer LC-27-72H</u>	<u>27</u>	<u>9W</u>	<u>59W</u>	<u>Weld</u>	

CHARGE TO	<u>Noble</u>	OWNER	
MAILING ADDRESS		OPERATOR	<u>Noble</u>
CITY		CONTRACTOR	<u>H&P 326</u>
STATE ZIP CODE		DISTANCE TO LOCATION	
TIME ARRIVED ON LOCATION	<u>11:30 pm 8/14/12</u>	TIME LEFT LOCATION	<u>5:00 am 8/15/12</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	<u>13 3/4</u>	TUBING SIZE		THEORETICAL	INSTRUCTED
TOTAL DEPTH	<u>638</u>	TUBING DEPTH		SURFACE PIPE ANNULUS LONG	
PETD	<u>584</u>	TUBING WEIGHT		STRING	
CASING SIZE	<u>9 5/8</u>	TUBING CONDITION		TUBING	
CASING DEPTH	<u>625.15</u>	TREATMENT VIA		TYPE OF TREATMENT	
CASING WEIGHT	<u>36.1 lbs</u>	PACKER DEPTH		<input type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
CASING CONDITION	<u>Good</u>			<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM
				<input type="checkbox"/> SOOZE 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"/> MSC PUMP	
				<input type="checkbox"/> OTHER	HYD HP = 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 Big up setting meeting BSF test Per-concrete Circ 50 bbls KCL H2O 2nd 10W/dye pick
+ pump 344 sks cement at 30% excess w/weight 1.27 at 15.2 lb or until cement stops us Release
plug clay 45.1 bbls 1120 bump plug 150 psi over 1st psi wait 5 min release psi work up rig down
H2O test at 77.5 bbls slurry
Arrived w/ 650 sks cement 4 gal KCL 16 oz dye

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Setting meeting 3:25 am Circ 3:47 Cement 3:57 am
Stop cement 4:11 Drop Plug 4:15 am Drop 4:15 am

10 bbls at	4:17 am	190 psi	used 2 % excess
20 bbls at	4:19 am	230	used 271 sks cement
30 bbls at	4:21 am	310	61.2 bbls slurry
40 bbls at	4:23 am	290	
45.1 bbls at	4:27 am	540	
Bump Plug at	4:27 am	540 psi	

left w/ 379 sks 2.4 gal KCL DBLS Back - 6

SAH WSS 8/15/12
AUTHORIZATION TO PROCEED TITLE 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