

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11411
LOCATION 61874
FOREMAN Kink
Tucker Pete

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
3-15-12	CECIL USX A-1-65 HN	1	6N	64W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>H&P 343</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>10:30 pm</u>	TIME LEFT LOCATION <u>5:30 am</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
<u>13 3/4</u>					
TOTAL DEPTH <u>926</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>916</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>34.1b</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
			<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

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 Rig up safety meeting PSI test per co-man. Circ 70 bbls KCL H2O and w/dye mixt
pump 499 sks cement at 30% excess at 1.27 yield at 30% excess at 15.2 bbs or until co-man stops us
Release Plug disp 67.3 bbls H2O Pump Plug at 150 psi over lift psi, wait 5 min release psi
Wash up rig down H2O test ok
Arrived w/ 600 sks cement 4 gal KCL 16 oz dye 112.8 bbls slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 3:29 am Circ 3:52 am Cement 4:02 am
Stop cement 4:30 am Drop Plug 4:33 am Disp 4:33 am

<u>10 bbls at 6.0 BBS/lm 4:35 am 150 psi</u>	<u>used 2.4% excess</u>
<u>20 bbls at 6.0 BBS/lm 4:36 am 300 psi</u>	<u>used 478 sks cement</u>
<u>30 bbls at 6.0 BBS/lm 4:38 am 350 psi</u>	<u>110.1 bbls slurry</u>
<u>40 bbls at 6.0 BBS/lm 4:39 am 400 psi</u>	
<u>50 bbls at 6.0 BBS/lm 4:41 am 500 psi</u>	
<u>60 bbls at 3.5 BBS/lm 4:42 am 480 psi</u>	
<u>67.3 bbls at 1.0 BBS/lm 4:45 am 350 psi</u>	
<u>Pump Plug 4:45 am 620 psi</u>	
<u>left w/</u>	<u>bbs back 13</u>

Dan Rotuh Co-REP 2-15-12
AUTHORIZATION TO PROCEED TITLE DATE