

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 # 9336

LOCATION WCR 55+42

FOREMAN Danuel Saltman

TREATMENT REPORT

DATE <u>10-30-70</u>	WELL NAME <u>Dinner C27-29D</u>	SECTION <u>22</u>	TWP <u>4N</u>	RGE <u>64W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>			OWNER			
MAILING ADDRESS			OPERATOR <u>Noble</u>			
CITY			CONTRACTOR <u>ENGIN 126</u>			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION <u>1:15 AM</u>			TIME LEFT LOCATION <u>4:50 AM</u>			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>767.0</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD <u>745.60</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION	TREATMENT VIA	TUBING		
CASING DEPTH <u>766.6</u>			TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>25#</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 Reg up Saffy meeting, Psi test to 500 psi, Circ 40 bbls of H₂O w/ 2nd low 100z Dye mix + pump 325 sks of Cement @ 30% Excess @ 152 1/2 @ 1.27 picklor until Co Stop 48, Drop Plug Displace 47.4 bbls of H₂O Bump Plug @ 150 psi over 1-ft psi, wait 5 min Release Psi, 48 sks Reg Down H₂O test ok

Arrived w 550 sks of Cement 39/ Kcl 32oz Dye 73.5 bbls of Slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Saffy meeting 2:50 AM Circ 3:17 AM Cement 3:28 AM Drop Plug 3:50 AM Displace 3:50 AM

10 bbls	5.0 /m	140 psi	3:55 AM	used 257 sks of Cement 1% Excess 58.1 bbls of Slurry
20 bbls	5.0 /m	160 psi	3:57 AM	
30 bbls	5.0 /m	210 psi	3:59 AM	
40 bbls	3.5 /m	270 psi	4:02 AM	
47.4 bbls	1.0 /m	300 psi	4:05 AM	
Bump Plug	560 psi		4:05 AM	

Left w 293 sks of Cement 29/ Kcl 22oz Dye 8 Slurry Back

[Signature] AUTHORIZATION TO PROCEED
Comac TITLE
10-30-70 DATE

Customer 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