

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 # 11477

LOCATION 42 41 + 49

FOREMAN Pat Nowlin

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
2-26-11	BOUTER PC 6 14-24	141	41N	45W	WUD	

CHARGE TO NOBLE	OWNER
MAILING ADDRESS	OPERATOR NOBLE
CITY	CONTRACTOR ENSIGN 136
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 7:00	TIME LEFT LOCATION 6:45

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 746	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
PTD 6905L	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE 5 1/2	TUBING CONDITION			TUBING	
CASING DEPTH 736		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 21.4	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION 609			<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM
			<input type="checkbox"/> SOEEZE 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 Rib up shaft meeting, per down 41 40 17BLS H2O WIL KCL
DYE IN 2nd 10 mix & pump TIL DYE IS SEEN then pump TUB ONLY 41504 12 7/16
Don't go over 30% excess with out packing to comp pump man DROPPING
DISPLACE 44 BLS H2O Bump 150 psi over LIFT with 5 min pump psi
wash up 12 1/2 BLS H2O test 6000 well has 100 SKS 3202 DYE 12 1/2 BLS KCL

JOB SUMMARY
DESCRIPTION OF JOB EVENTS 5:47 5:02 AM MIF 5:16 DROPPING 5:42
DISPLACE 51.4 L

10 548	240 PSI	5 BLS MIN
20 550	300 PSI	5 BLS MIN
30 552	310 PSI	5 BLS MIN
40 554	330 PSI	3 BLS MIN
44 558	390 PSI	1 BLS MIN
Pump did not bump float down HCL		
Used 4% excess = 250 SKS = 56.5 BLS SLURRY		
AVE CEN 313 BLS PER MIN		
WCL left with 350 SKS 16 02 DYE 8055 KCL		
15 BLS top 15		

 AUTHORIZATION TO PROCEED
Noble Rep TITLE
2-25-11 DATE