

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 # 8338

LOCATION Hwy 34 + WCR 56

FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE <u>5-19-09</u>	WELL NAME <u>GLOVER USX B 15-02 CD</u>	SECTION <u>15</u>	TWP <u>5N</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>Ensign Rig 126</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>5:30 pm.</u>		TIME LEFT LOCATION <u>1:30 am.</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>1638.27</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 1589.89</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>1632.02</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24 lb.</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>Good</u>			<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM
PRESSURE SUMMARY			<input type="checkbox"/> SQUEEZE CEMENT		FINAL BPM
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> ACID STIMULATION		MAXIMUM BPM
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> ACID SPOTTING		AVERAGE BPM
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> MISC PUMP		
MINIMUM psi			<input type="checkbox"/> OTHER		HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, Circ 30 bbls H₂O with KCL + Dye in last 5 bbls, Mix + pump 15 % Excess = 556 Sacks cement at 14.5 lbs. 1.4 yield, Drop plug, Displace 101.2 bbls H₂O, Bump plug at 150 Psi over Lift Psi, Wait 5 min then bleed off Psi, Washup, Rig down, WE HAVE 1140 Sacks cement, 8 oz. Dye, 16 Qts. KCL

138.6 bbls Slurry

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 10:19 pm, Circ 10:43 pm, CEMENT 10:52 pm
Drop plug 11:32 pm, Displace 11:34 pm
10 bbls. 180 Psi 11:38 pm 7.0 bbls/m 70 bbls. 620 Psi 11:49 pm 7.0 bbls/m
20 bbls. 210 Psi 11:40 pm 7.0 bbls/m 80 bbls. 670 Psi 11:50 pm 7.0 bbls/m
30 bbls. 280 Psi 11:42 pm 7.0 bbls/m 90 bbls. 720 Psi 11:52 pm 7.0 bbls/m
40 bbls. 360 Psi 11:43 pm 7.0 bbls/m 100 bbls. 590 Psi 11:55 pm 1.0 bbls/m
50 bbls. 450 Psi 11:45 pm 7.0 bbls/m 101.2 bbls. 600 Psi 11:56 pm 1.0 bbls/m
60 bbls. 530 Psi 11:47 pm 7.0 bbls/m
Bump Plug 770 Psi AT 11:56 pm LEFT with 564 Sacks cement
Top Job 20 Sacks 4.98 bbls Slurry 7 oz Dye, 13 Qts KCL
Total 1576 Sacks 143.6 bbls Slurry
2 bbls Slurry To The Pit

[Signature]
AUTHORIZATION TO PROCEED

[Signature]
TITLE

5-19-09

DATE