

BISON OIL WELL CEMENTING, INC.



1736 Wynkoop St., Ste. 102
Denver, Colorado 80202
Phone: 303-295-3010
Fax: 303-295-8143
E-mail: bisonoil@cowestoffice.net

REF. INVOICE # 9100

LOCATION Excell

FOREMAN Justin Crable

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-19-10	Gardner Trust 21-20	20	2N	76W	Yuma	

CHARGE TO <u>Excell</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Excell Rtg 2</u>
CITY	CONTRACTOR
STATE ZIP CODE	DISTANCE TO LOCATION <u>65 miles</u>
TIME ARRIVED ON LOCATION <u>8:45 PM</u>	TIME LEFT LOCATION

WELL DATA			PRESSURE LIMITATIONS		
PIPE SIZE <u>9 5/8"</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>529</u>	TUBING DEPTH	DROPSHIFT	SURFACE PIPE ANNULUS LONG		
	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>7"</u>	TUBING CONNECTION		TUBING		
CASING DEPTH <u>523</u>	<u>PB 453</u>	TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT <u>20#</u>	HACKET 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"/> JACO BREAKDOWN	MINIMUM BPM	
			<input type="checkbox"/> JACO STIMULATION	MAXIMUM BPM	
			<input type="checkbox"/> JACO SPOTTING	AVERAGE BPM	
			<input type="checkbox"/> JAMSC PUMP		
			<input type="checkbox"/> OTHER	HOLD HP = RATE X PRESSURE X 40.8	

PRESSURE SUMMARY			
BREAKDOWN - CIRCULATING - PSI	AVERAGE - PSI		
FINAL DISPLACEMENT - PSI	SEP - PSI		
ANNULUS - PSI	5 MIN SEP - PSI		
MAXIMUM - PSI	15 MIN SEP - PSI		
MINIMUM - PSI			

INSTRUCTIONS PRIOR TO JOB: MIRU Safety Circ M+P 23255 of BJLITE @ 15.2 w/weight of 1.13
H2O mix of 26.7% at 4.78 Displace 19 bbls of H2O Shutin RD
Annulus of 26.7% Cap. 2040.5 excess of 80% as per Jerry Tracy Driller

JOB SUMMARY	DESCRIPTION OF JOB EVENTS	TIME	TIME	TIME	TIME	TIME
	<u>MIRU Safety Circ M+P Displace Shutin</u>	<u>8:45 PM</u>	<u>11:20 PM</u>	<u>11:35 PM</u>	<u>11:40 PM</u>	<u>12:55 PM</u>
						<u>12:01 AM 10 170</u>
						<u>12:04 AM 19 170</u>

BBIs to Pit 16

Justin Crable AUTHORIZATION TO PROCEED Driller TITLE 7-19-10 DATE
 Customer hereby acknowledges and specifically agrees to the terms and conditions of this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity.

BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102
Denver, Colorado 80202
Phone: 303-296-3010
Fax: 303-296-8143
E-mail: bisonoil@qwestoffice.net

REF. INVOICE # 9103

LOCATION Eckley CO

FOREMAN MATT BERLER

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-21-10	CARDNER TROST 21-20	20	2N	46W	90MA	
CHANGE TO <u>Excel</u>		OWNER <u>Noble</u>				
MAILING ADDRESS		OPERATION				
CITY		CARTAGE <u>Excel Rig 2</u>				
STATE ZIP CODE		DISTANCE TO LOCATION <u>60 mi</u>				
TIME ARRIVED ON LOCATION <u>1:00 P.</u>		TIME LEFT LOCATION <u>5:10 P.</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>6 7/8</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>2870</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNUUS LONG		
	TUBING WEIGHT	OPEN HOLE	STIRING		
CASING SIZE <u>4 1/2</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>2770</u>	<u>2730</u>	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>11.60</u>	PROGRI DEPTH		<input type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
CASING CONDITION <u>GOOD</u>			<input checked="" 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	H2O 100% = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB: MISC 3m circ map mix 97 5X McP12 WITH REG 15.6
WATER CAL PER ID WITH 36 BOLS MX AT 1218 PER GALLON WITH 4X10
2.64, MIX 56 GRS OF BOLTITE #1313 MIX 4100 OF 1.35
WITH WATER REG OF 9.7 WITH 13.8/BS PER GALLON. DASH PLUS
DISPLACE 42.3 BOLS OF 270 KCL LAND PLUG RIG DOWN 209XCS SAM
CHARITIC

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS: MISC 3m circ map mix 97 5X McP12 WITH REG 15.6
1:00P 4:00P 4:05P 4:10P 4:17P 4:25P
DISPLACE LAND PLUG RIG DOWN
4:30P 4:50P 5:00P
4:36 10 240
4:39 20 260
4:43 30 400
4:50 42 1350
6 135 cement TO PIT
1350 LAND PLUG AT

Sam Chant
 AUTHORIZATION TO PROCEED

Feld Rep
 TITLE

7-21-10
 DATE

Customers hereby acknowledge and specifically agrees to the terms and conditions of this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity.