

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 # 10697

LOCATION Eckley

FOREMAN Travis

TREATMENT REPORT

DATE <u>12-12-11</u>	WELL NAME <u>stults 31-4</u>	SECTION <u>4</u>	TWP <u>15</u>	RGE <u>45W</u>	COUNTY <u>Yuma</u>	FORMATION
CHARGE TO <u>EXcell</u>			OWNER <u>Noble</u>			
MAILING ADDRESS			OPERATOR			
CITY			CONTRACTOR <u>EXcell rig 2</u>			
STATE ZIP CODE			DISTANCE TO LOCATION <u>60 mile min</u>			
TIME ARRIVED ON LOCATION <u>4pm</u> <u>rig 5pm</u>			TIME LEFT LOCATION <u>7pm</u>			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>9 7/8</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>517</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>5 1/2</u>	TUBING CONDITION	TREATMENT VIA	TUBING		
CASING DEPTH <u>512</u>			TYPE OF TREATMENT:		TREATMENT RATE
CASING WEIGHT <u>77</u>	PACKED 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	HYD HHP = RATE X PRESSURE X 40.8	
			<input type="checkbox"/> OTHER		

PRESSURE SUMMARY:

BREAKDOWN IN CIRCULATING psi	AVERAGE psi	psi	psi
FINAL DISPLACEMENT psi	15 MIN SIP psi	psi	psi
ANNULUS psi	5 MIN SIP psi	psi	psi
MAXIMUM psi	15 MIN SIP psi	psi	psi
MINIMUM psi			

INSTRUCTIONS PRIOR TO JOB MIRO Safety Circ MTP 210 SKs of B3-1ite 15.2 bbl/gal
1.97 yd 4.2 gal/sk 21 bbls of mix water drop plug displace 18.9 bbls
of water set plug shot well in clean up move off location

JOB SUMMARY

DESCRIPTION OF JOB EVENTS

MIRO Safety Circ MTP Drop plug Displace
4pm 6pm 6:10pm 6:14pm 6:30pm 6:30pm

6:34pm 10 200 PSI
6:38 pm 18.9 400 PSI

10 bbls Top it

[Signature]
AUTHORIZATION TO PROCEED

[Signature]
TITLE

12/12/11
DATE

Customers 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.

BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102
Denver, Colorado 80202
Phone: 303-296-3010
Fax: 303-296-8143
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 10703
LOCATION Eckley
FOREMAN T. Lewis

TREATMENT REPORT

DATE <u>12-14-11</u>	WELL NAME <u>stults 31-4</u>	SECTION <u>4</u>	TWP <u>15</u>	RGE <u>45W</u>	COUNTY <u>Yuma</u>	FORMATION
CHARGE TO <u>Excell</u>		OWNER <u>Noble</u>				
MAILING ADDRESS		OPERATOR				
CITY		CONTRACTOR <u>Mig 2</u>				
STATE ZIP CODE		DISTANCE TO LOCATION <u>60 miles</u>				
TIME ARRIVED ON LOCATION <u>3am</u>		TIME LEFT LOCATION <u>615am</u>				

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
<u>6 7/8</u>				
TOTAL DEPTH <u>2350</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
<u>PTD 2382</u>	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE <u>4 1/2</u>	TUBING CONDITION		TUBING	
CASING DEPTH <u>2423</u>		TREATMENT VIA	TYPE OF TREATMENT	
CASING WEIGHT <u>10.5</u>	PACKER DEPTH		TREATMENT RATE	
CASING CONDITION <u>good</u>				

PRESSURE SUMMARY			TREATMENT RATE	
BREAKDOWN or CIRCULATING	AVERAGE	ISIP	5 MIN SIP	15 MIN SIP
FINAL DISPLACEMENT				
ANNULUS				
MAXIMUM				
MINIMUM				

INSTRUCTIONS PRIOR TO JOB: MIBU Safety Circ pump 6 bbls of dye with 2% KCL 20 bbl mud
Push with 2% KCL 15 bbls with 2% KCL m+p pfg 160 sks of 11 gal 12 12.0
16 gal 2.23 x H 12.04 gal 15K 46 bbls of mix water or until dye is seen m+p
36 sks of Bq-1.1e 13.8 16 gal 1.33 yd 6.28 gal 1 sk 2 bbls of mix water. Displace
plug displace 37.8 bbls with 2% KCL set plug shut well in clean up move off
location

JOB SUMMARY: MIBU Safety Circ m+p Plug Plug Displace
315am 415am 430am 445am 515am 515am
520am 10 60psi
527am 20 100psi
534am 30 400psi
545am 38 1100psi
11 bbls to the pit

[Signature] AUTHORIZATION TO PROCEED
TITLE
DATE 12/14/11
Customers hereby acknowledge and specifically agree 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.