

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 # 10686

LOCATION Eckley

FOREMAN Randal Newton

TREATMENT REPORT

DATE	12-20-11	WELL NAME	Stuhts 344	SECTION	4	TWP	15	RGE	45W	COUNTY	Yuma	FORMATION	
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CHARGE TO	Eckley	OWNER	Noble
MAILING ADDRESS		OPERATOR	
CITY		CONTRACTOR	Eckley Rig 2
STATE ZIP CODE		DISTANCE TO LOCATION	40 mi
TIME ARRIVED ON LOCATION	2:35 PM	TIME LEFT LOCATION	5:15 PM

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	9 7/8"	TUBING SIZE		THEORETICAL	INSTRUCTED
TOTAL DEPTH	512'	TUBING DEPTH		SURFACE PIPE ANNULUS LONG	
		PERFORATIONS		STRING	
		SHOTS/FT		TUBING	
CASING SIZE	7"	TUBING WEIGHT			
CASING DEPTH	506'	TREATMENT VIA		TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT	17#	PACKER DEPTH		(A) SURFACE PIPE	BREAKDOWN BPM
CASING CONDITION	Good			(B) PRODUCTION CASING	INITIAL BPM
				(C) SQUEEZE CEMENT	FINAL BPM
				(D) ACID BREAKDOWN	MINIMUM BPM
				(E) ACID STIMULATION	MAXIMUM BPM
				(F) ACID SPOTTING	AVERAGE BPM
				(G) MISC PUMP	STANDARD BPM
				(H) OTHER	HYD HHP = RATE X PRESSURE X 40.8

PRESSURE SUMMARY		
BREAKDOWN or CIRCULATING	1000 psi	AVERAGE
FINAL DISPLACEMENT	1000 psi	1000 psi
ANNULUS	1000 psi	5 MIN SIP
MAXIMUM	1000 psi	15 MIN SIP
MINIMUM	1000 psi	

INSTRUCTIONS PRIOR TO JOB: MDRU San CCR MHP 210 SK OF B3-Like @ 15.2 bbl/gal water per ft 4.2 gal/pusk 21 bbl mix water 4000 psi 1.07 in H2O shut down drag Plug Displace with 19.2 bbls B20 shut in Rig down.

6.8% amount of excess as per mark 2100 tool pusher

JOB SUMMARY: MDRU San CCR MHP Drag Plug

DESCRIPTION OF JOB EVENTS:

2:40pm	3:20	3:25	3:28	3:42
Displace	shut in	Rig down		
3:44	3:55	4:00		
3:47 10 100				
3:52 19 200				

10 bbls to pit

AUTHORIZATION TO PROCEED: [Signature] TITLE: [Signature] DATE: 12/20/11

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.

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REF. INVOICE # 10797
LOCATION Eckley
FOREMAN Randy Neenan

TREATMENT REPORT

DATE <u>12-22-11</u>	WELL NAME <u>Stallis 34-4</u>	SECTION <u>4</u>	TWP <u>1S</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 Neg 2</u>				
STATE ZIP CODE		DISTANCE TO LOCATION <u>4.0 mi</u>				
TIME ARRIVED ON LOCATION <u>11:15 pm</u>		TIME LEFT LOCATION <u>3:45 AM</u>				

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
<u>6 3/4"</u>				
TOTAL DEPTH <u>2575</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE <u>4 1/2"</u>	TUBING CONDITION		TUBING	
CASING DEPTH <u>2481</u>	PACKER DEPTH <u>2480</u>	TREATMENT VIA	TYPE OF TREATMENT	
CASING WEIGHT <u>12.5</u>			TREATMENT RATE	
CASING CONDITION <u>good</u>				

PRESSURE SUMMARY		TREATMENT RATE	
BREAKDOWN OF CIRCULATING	AVERAGE	1 SURFACE PIPE	BREAKDOWN BPM
FINAL DISPLACEMENT	15 MIN SIP	1 CEMENTATION CASING	INITIAL BPM
ANNULUS	15 MIN SIP	1 SQUEE CEMENT	FINAL BPM
MAXIMUM	15 MIN SIP	1 ACID BREAKDOWN	MINIMUM BPM
MINIMUM	15 MIN SIP	1 ACID STIMULATION	MAXIMUM BPM
		1 ACID SPOTTING	AVERAGE BPM
		1 MISC PUMP	HYD HHP = RATE X PRESSURE X 408
		1 OTHER	

INSTRUCTIONS PRIOR TO JOB: MTRN 3m Circ Dye mud plug and 20 bbl mud plug and 10 bbl w/12% KCl N-Gel-12 until dye is seen @ 12 bbl water reg 12.0 gal push back 2.31 and 1.5k then mix 5.6k 86-1.4 @ 13.8 18 gal water reg of 6.28 gal and 86 bbl mix water field of 1.33 and 1.5k Shutdown drop reg Displace @ 138.7 bbls 2% KCl water land plug reg down

JOB SUMMARY: MTRN 3m Circ Dye mud plug MTP M4
DESCRIPTION OF JOB EVENTS: 12:00 AM 2:20 AM 2:25 AM 2:34 AM 2:53 AM
Drop plug 3:00 AM Displace 3:07 AM Land plug 3:20 AM Reg down 3:30 AM
3:40 10 100 1300 psi
3:42 20 400
3:44 30 600
3:20 38 1300

13 bbls to pit

Thomas Hoff
AUTHORIZATION TO PROCEED

TITLE

12/22/11

DATE

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