

BISON OIL WELL CEMENTING, INC.



1736 Wynkoop St., Ste. 102
Denver, Colorado 80202
Phone: 303-298-3010
Fax: 303-298-8143
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 10675

LOCATION Eckley

FOREMAN Trawis

TREATMENT REPORT

DATE <u>11-17-11</u>	WELL NAME <u>Jas Partnership 14-34</u>	SECTION <u>34</u>	TWP <u>2N</u>	RGE <u>46W</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>6 pm</u>			TIME LEFT LOCATION <u>9:30 pm</u>			

WELL DATA		PRESSURE LIMITATIONS	
HOLE SIZE <u>9 7/8</u>	TUBING SIZE	PERFORATIONS	THEORETICAL
TOTAL DEPTH <u>497</u>	TUBING DEPTH	SHOTS/FT	INSTRUCTED
<u>PRDP 45</u>	TUBING WEIGHT	OPEN HOLE	
CASING SIZE <u>4 1/2</u>	TUBING CONDITION	TUBING	
CASING DEPTH <u>492</u>	TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT <u>20 lb</u>	PACKER 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
PRESSURE SUMMARY		<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM
BREAKDOWN or CIRCULATING psi	AVERAGE psi	<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM
FINAL DISPLACEMENT psi	5 MIN SIP psi	<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM
ANNULUS psi	15 MIN SIP psi	<input type="checkbox"/> MISC PUMP	
MAXIMUM psi		<input type="checkbox"/> OTHER	
MINIMUM psi			HYD IHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB MIRU Safety Circ mdp 230 SKs of B3-1.1e 15.2 lb/gal
1.07 yld 4.2 gal/sk 23 bbls of mix water drop plug displace 18.3
bbls set plug shut well in clean up move off location

JOB SUMMARY

DESCRIPTION OF JOB EVENTS

<u>MIRU</u>	<u>Safety</u>	<u>Circ</u>	<u>mdp</u>	<u>Drop plug</u>	<u>Displace</u>
<u>6 pm</u>	<u>8 pm</u>	<u>8:17 pm</u>	<u>8:20 pm</u>	<u>8:45 pm</u>	<u>8:45 pm</u>

200 psi 10 8:56 pm
250 psi 18.3 9 pm

10 bbls to the pit
90% EXCESS

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REF. INVOICE # 10476

LOCATION Eckley

FOREMAN Travis

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-19-11	Jas Partnership 14-34	34	2N	46W	Yuma	
CHARGE TO Excell			OWNER Noted			
MAILING ADDRESS			OPERATOR			
CITY			CONTRACTOR Excell 1172			
STATE ZIP CODE			DISTANCE TO LOCATION 60 mile min			
TIME ARRIVED ON LOCATION 8pm			TIME LEFT LOCATION 1130pm			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 6 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 2796	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 2746	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 4 1/2	TUBING CONDITION		TUBING		
CASING DEPTH 2787	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE	
CASING WEIGHT 10.5	PACKER DEPTH	[] SURFACE PIPE		BREAKDOWN BPM	
CASING CONDITION good		[] PRODUCTION CASING		INITIAL BPM	
		[] SQUEEZE CEMENT		FINAL BPM	
		[] ACID BREAKDOWN		MINIMUM BPM	
		[] ACID STIMULATION		MAXIMUM BPM	
		[] ACID SPOTTING		AVERAGE BPM	
		[] MISC PUMP			
		[] OTHER		HYD HP = RATE X PRESSURE X 4.05	

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

INSTRUCTIONS PRIOR TO JOB: MIRU Safety Circ pump 6 bbls of dye 20 bbls mud flush 20 bbls of fresh cell with 2% KCL m+p Est. 194 SKS of N-gel-12 12.0 bbl/gal 2.2 yld 12.04 gal/sk 56 bbls of mix water or until dye is seen m+p 56 SKS of Bg-lite 13.8 lb/gal 1.33 yld 6.28 gal/sk 8 bbls of mix water drop plug displace 13.6 bbls with 2% KCL Set plug Clean up move off location

JOB SUMMARY
DESCRIPTION OF JOB EVENTS
MIRU Safety Circ m+p Drop plug Displace
830pm 950pm 10pm 1025pm 1045pm 1046pm

100psi	10	1049pm
235psi	20	1052pm
520psi	30	1056pm
1250psi	43	11pm

36% excess
9 bbls to the pit

AUTHORIZATION TO PROCEED
TITLE
DATE 11/21/11

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.