

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 # 107A

LOCATION Eckley

FOREMAN Trevis

TREATMENT REPORT

DATE 12-18-11	WELL NAME Stults 324	SECTION 4	TWP 15	RGE 45W	COUNTY Laramie	FORMATION
CHARGE TO Excell		OWNER Noble				
MAILING ADDRESS		OPERATOR				
CITY		CONTRACTOR Excell 1142				
STATE ZIP CODE		DISTANCE TO LOCATION 60 mile min				
TIME ARRIVED ON LOCATION 3 pm		TIME LEFT LOCATION 4 pm				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 9 7/8	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 502	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 456	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 7"	TUBING CONDITION		TUBING		
CASING DEPTH 496		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT 23	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION			<input checked="" type="checkbox"/> SURFACE PIPE <input type="checkbox"/> PRODUCTION CASING <input type="checkbox"/> SOLE CEMENT <input type="checkbox"/> ACID BREAKDOWN <input type="checkbox"/> ACID STIMULATION <input type="checkbox"/> ACID SPOTTING <input type="checkbox"/> MISC PUMP <input type="checkbox"/> OTHER		

PRESSURE SUMMARY			
BREAKDOWN OF CIRCULATING psi	AVERAGE psi	BYPASS psi	
FINAL DISPLACEMENT psi	ISIP psi	ISIP psi	
ANNULUS psi	5 MIN SIP psi	15 MIN SIP psi	
MAXIMUM psi			
MINIMUM psi			

INSTRUCTIONS PRIOR TO JOB: MTRU Safety Circ MTP 2100s of B3 lite 15.2 lb/gal 1.07 x 4.2 gal/sk 21 bbls of mix water drop plug displace 18 bbls set plug shut well in clean up move off location

JOB SUMMARY

DESCRIPTION OF JOB EVENTS

MTRU Safety Circ MTP Drop plug Displace
248 pm 3 pm 305 pm 315 pm 328 pm 328 pm

333 pm 40 200 psi
338 pm 18 400 psi

12 bbls to the pit

[Signature]
AUTHORIZATION TO PROCEED

[Signature]
TITLE

12/18/11

DATE

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.

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REF. INVOICE # 10780

LOCATION Eckley

FOREMAN Travis

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
12-19-11	stuffs 32-4	4	15	462	Yuma	

CHARGE TO	Exc 11	OWNER	Noble
MAILING ADDRESS		OPERATOR	
CITY		CONTRACTOR	Excelsior 2
STATE ZIP CODE		DISTANCE TO LOCATION	60 mile min
TIME ARRIVED ON LOCATION	2 pm	TIME LEFT LOCATION	11:15 pm

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
6 7/8					
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	SURFACE PIPE-ANNULUS LONG		
2482					
PBTD	TUBING WEIGHT	OPEN HOLE	STRING		
2400					
CASING SIZE	TUBING CONDITION	TREATMENT VIA	TUBING		
8 4 1/2					
CASING DEPTH			TYPE OF TREATMENT		TREATMENT RATE
2491					
CASING WEIGHT	PACKER DEPTH		SURFACE PIPE		BREAKDOWN BPM
10.5					
CASING CONDITION			PRODUCTION CASING		INITIAL BPM
good					
			SOEZE CEMENT		FINAL BPM
			ACID BREAKDOWN		MINIMUM BPM
			ACID STIMULATION		MAXIMUM BPM
			ACID SPOTTING		AVERAGE BPM
			MISC PUMP		
			OTHER		

PRESSURE SUMMARY			HYD HHP = RATE X PRESSURE X 40.8		
BREAKDOWN OF CIRCULATING	AVERAGE	ISIP			
psi	psi	psi			
FINAL DISPLACEMENT	5 MIN SIP	15 MIN SIP			
psi	psi	psi			
ANNULUS					
psi					
MAXIMUM					
psi					
MINIMUM					
psi					

INSTRUCTIONS PRIOR TO JOB: MIRU safety Circ pump 6 bbls of dye with 290 KCL 20 bbl
mix flush with 290 KCL 15 bbls with 290 KCL MTP Est 162 SKS of Ngr
12 12.0 16 gal 2.21 yld 12.04 gal/sk 46 bbls of mix water or unt. 1 dye is
seen MTP 56 SKS of Bg 1/12 13.8 16 gal 1.33 yld 6.28 gal/sk 8 bbls
mix drop plug displace 38 bbls with 290 KCL set plug clean up move
off location

JOB SUMMARY: MIRU safety Circ MTP drop plug Displace
8:15 pm 9:40 pm 9:46 pm 10:03 pm 10:29 pm 10:29 pm
10:32 pm 10 1000 psi
10:35 pm 20 4000 psi
10:38 pm 30 4000 psi
10:40 pm 38 12000 psi
55% Excess
12 bbls to the pit

Thomas Hoff

AUTHORIZATION TO PROCEED

TITLE

12/19/11

DATE

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