Jones, William V., EMNRD

From:

Jones, William V., EMNRD

Sent:

Tuesday, November 07, 2006 6:24 PM

To:

'shannon.klier@boldenergy.com'

Cc:

'Denise'; joseph.castillo@boldenergy.com; 'Joe Thomas'; Ezeanyim, Richard, EMNRD

Subject: RE: Bold Energy ARU #4 - Approved Injection Permit

Hello:

We received the water analysis and test information.

Thank you for the complete compliance with the terms of this order.

Note that on October 30, I sent an email with assurance that the permit is now valid.

Regards,

William V. Jones

Engineering Bureau

Oil Conservation Division

Santa Fe

From: Shannon Klier [mailto:shannon.klier@boldenergy.com]

Sent: Thursday, October 26, 2006 1:43 PM

To: Jones, William V., EMNRD

Cc: 'Denise'; joseph.castillo@boldenergy.com; 'Joe Thomas'
Subject: RE: Bold Energy ARU #4 - Approved Injection Permit

William,

We very much appreciate your timely response. Our field foreman Joe Thomas will inform the OCD of our schedule for the pressure test.

Shannon

From: Jones, William V., EMNRD [mailto:William.V.Jones@state.nm.us]

Sent: Thursday, October 26, 2006 2:30 PM

To: shannon.klier@boldenergy.com

Cc: Ezeanyim, Richard, EMNRD; Wink, Gary, EMNRD; Sanchez, Daniel J., EMNRD

Subject: RE: Bold Energy ARU #4 - Approved Injection Permit

Shannon:

Item 1:

The wellbore diagram which you attached shows that you are now adequately cemented. I'm sure the CBL will confirm.

Item 2:

You can do this after stimulating. The best test of hydrocarbons will be after stimulating.

Item 3:

The OCD inspector will witness this and let you know what to pressure the annulus to. I think they do 500 psi for 30 minutes but sometimes 15 minutes.

Please consider this email as written confirmation that you have completed the required cementing work.

Jones, William V., EMNRD

From:

Denise [denise@graysurfacespecialties.com]

Sent:

Tuesday, November 07, 2006 1:44 PM

To:

Ezeanyim, Richard, EMNRD; Jones, William V., EMNRD

Cc:

Linda.Denniston@nm.blm.gov; Mull, Donna, EMNRD; DWAINE MOORE; LEEANN ROLLINS

Subject:

FW: water analysis ARU #4 - SWD Order #1049

Attachments: H11760.pdf

Gentlemen, attached is the water analysis for the Antelope Ridge Unit #4.

All completion sundries were Fed-Ex'd to you and the BLM overnight last night.

Please confirm that all obligations of SWD Oder #1049 have been met and Bold Energy can commence injection operations. Thank you.

Denise Menoud

Regulatory Specialist, Gray Surface Specialties Phone: 432-685-9158; Fax: 432-218-7396 denise@graysurfacespecialties.com

----Original Message----

From: Shannon Klier [mailto:shannon.klier@boldenergy.com]

Sent: Tuesday, November 07, 2006 2:35 PM

To: 'Denise'

Subject: FW: water analysis

Denise,

Here is the water analysis. My understanding is that once this is received it will fulfill our obligations for conversion and we should receive approval to begin injection. Will you confirm this?

Thanks Shannon

----Original Message----

From: Nick Fullerton [mailto:cardinallaboratories@hotmail.com]

Sent: Tuesday, November 07, 2006 1:34 PM

To: shannon.klier@boldenergy.com

Subject: water analysis

	Submit 3 Copies To Appropriate District	State of New M	exico		Form C-103
ا د	Office •	Energy, Minerals and Nat	ural Resources	r	May 27, 2004
	1625 N. French Dr., Hobbs, NM 88240 District II			WELL API NO.	20 025 21027
	1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION		5 Indicate Type	30-025-21037 of Lease Federal
	District III 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Fra		STATE	FEE
	District IV	Santa Fe, NM 8	7505	6. State Oil & G	
	1220 S. St. Francis Dr., Santa Fe, NM 87505			BLM NM021	1422
Γ		CES AND REPORTS ON WELLS	3	7. Lease Name of	or Unit Agreement Name
Ì	(DO NOT USE THIS FORM FOR PROPOS			Antelope Ridge I	
	DIFFERENT RESERVOIR. USE "APPLIC PROPOSALS.)	ATION FOR PERMIT" (FORM C-101) F	OK SUCH	#91008492C	
L		Gas Well Other: SWD		8. Well Number	
	2. Name of Operator			9. OGRID Numl	ber 233545
F	3. Address of Operator 415 W. V			10 Pool name o	r Wildcat: #96802
		TX 79701		· ·	on – Cherry Canyon
-	4. Well Location			, , , , , , , , ,	
	Unit Letter B: 990	feet from the North	line and 2310	feet from the	East line
	Section 4		Range 34E	NMPM	County Lea
		11. Elevation (Show whether Di			County Lea
		2562 DF	, , , ,		
Ţ	Pit or Below-grade Tank Application 🗌 o	r Closure 🗌		1	
]	Pit typeDepth to Groundwa	aterDistance from nearest fresh	water well Dis	tance from nearest sur	face water
ŀ	Pit Liner Thickness: mil	Below-Grade Tank: Volume	bbls; Co	onstruction Material	
	12. Check A	Appropriate Box to Indicate N	Nature of Notice.	Report or Other	: Data
				-	
	NOTICE OF IN			SEQUENT RE	
	PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WOR	_	ALTERING CASING
	TEMPORARILY ABANDON DULL OR ALTER CASING	CHANGE PLANS MULTIPLE COMPL:	COMMENCE DR	-	P AND A
	TOLL ON ALTEN GAGING	MOETH EL COMILE	OAGING/OLIVILIY	ب 1000	
	OTHER:			Perf to complete in	
		leted operations. (Clearly state all			
	of starting any proposed we or recompletion.	ork). SEE RULE 1103. For Multip	ole Completions: At	tach wellbore diag	ram of proposed completion
	or recompletion.				
1	10/16/06: Perforated @ 6493'-6498	' 20 holes w/ 0.42" EHD shots, hit	collar. 10/17/06: S	queezed perfs 6493	3'-6498' w/ 100 sx Cl C +
1	1% D-174 + D-167 + 0.5% D-65 + 0	0.2% D-46. WOC. 10/18/06: DO	cmt, perf'd 5345'-5	350' 20 holes w/ 0.	42" EHD shots.
	10/19/06: Squeezed perfs 5345'-535				
	Cmt. Ran Combo CCL & CBL 6700 w/ 1% D-174 + 0.15% D-167 + 0.5%				
	Ran CBL 5500'-4500', TOC @ 455:		4/00. DO CHIL. 168	ted casing to 025#	ior 10 minutes, tested good.
	;==:::,:::,:::				
	10/25/06: Set CIBP @ 6450'. Perfo				
	5200'-5212' (72 holes), 5230'-5240'				
	(240 holes), 5728'-5740' (72 holes), 5232'-6254' (132 holes), and 6280'-		62' (144 noies), 610	6'-6126' (120 noie	s), 6152'-6164' (72 holes),
	hereby certify that the information		est of my knowledg	e and belief. I furth	ner certify that any nit or helow.
g	grade tank has been/will be constructed or	closed according to NMOCD guidelines	☐, a general permit ☐	or an (attached) alter	native OCD-approved plan .
	- \				
ç	SIGNATURE (Lense)	mental TITLE	Agent for Rold Eng	erov IP DA	ATE: 11/06/2006
•		THEE.	Agent for Bold En	agy, Li Dr	ATE. 11/00/2000
	Гуре or print name: Denise Menouc	E-mail address: denise@grays	urfacespecialties.co	m Telephone N	o.: 432 -6 85-9158
1	For State Use Only			· ·	
,	APPROVED BY:Conditions of Approval (if any):				
•		TiTi C			DATE



UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED
OMB No. 1004-0137
Paris - Name 1, 21, 200

5. Lease Serial No. NM021422

SUNDRY	NOTICES AND REPORTS ON WELLS
Do not use this	form for proposals to drill or to re-enter an
abandoned well.	Use Form 3160-3 (APD) for such proposals.

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.					6. If Indian, Allottee or Tribe Name		
SUBMI	T IN TRIPLICATE Other	instructions or	n page 2.		7. If Unit of CA/Agree 91008492C	ement, Name and/or No.	
1. Type of Well				8. Well Name and No.			
Oil Well Gas V				Antelope Rid	ge Unit #4		
2. Name of Operator Bold Energy					9. API Well No. 30-025-2103		
3a. Address 415 W. Wall, Suite 500 Midland, TX 79701		3b. Phone No. 432-686-1	•	ı code)	10. Field and Pool or Exploratory Area Antelope Ridge (Atoka)		
 Location of Well (Footage, Sec., T., 990 FNL & 2310 FEL, Unit B, Sec 4, T24S 					11. Country or Parish, Lea County,	State New Mexico	
12. CHEC	CK THE APPROPRIATE BOX	X(ES) TO IND	ICATE NAT	URE OF NOTIO	CE, REPORT OR OTH	ER DÁTA	
TYPE OF SUBMISSION				TYPE OF ACT	ION		
Notice of Intent	Acidize Alter Casing Casing Repair	=	en ure Treat Construction	Recla	uction (Start/Resume) amation mplete	Water Shut-Off Well Integrity Other Sqz and Perf to	
✓ Subsequent Report	Change Plans	Plug	and Abandon	Temp	porarily Abandon	complete in Delaware	
Final Abandonment Notice	Convert to Injection	Plug l	Back	☐ Wate	er Disposal	Bond #NMB000314	
testing has been completed. Final determined that the site is ready for 10/16/06: Perforated @ 6493'-6498' 0.5% D-65 + 0.2% D-46. WOC. 10 1% D-174 + 0.15% D-167 + 0.5% D-265'-5270' 20 holes. Squeezed pe 625# for 10 minutes, tested good. If 10/25/06: Set CIBP @ 6450'. Perforates, 5290'-5305' (90 holes), 5598' 6062' (144 holes), 6106'-6126' (120 holes).	r final inspection.) 1' 20 holes w/ 0.42" EHD sh 1/18/06: DO cmt, perfd 534 -65 + 0.2% D-46. WOC. 1 orfs w/ 200 sx Cl C w/ 1% D Ran CBL 5500'-4500', TOC orated the Delaware w/ 6 S 1'-5608' (42 holes), 5612'-51 holes), 6152'-6164' (72 holes)	nots, hit collar. 15'-5350' 20 h 10'/20'/06: DO 1-174 + 0.15% @ 4555'. PF, 120 degre 618' (36 holes	. 10/17/06: oles w/ 0.42 cmt. Ran C b D-167 + 0. ee phasing, s), 5680'-572	Squeezed per "EHD shots. Combo CCL & 6 5% D-65 + 0.2 0.42" EHD sho 0' (240 holes),	fs 6493'-6498' w/ 100 10/19/06: Squeezed CBL 6700'-5000', TO % D-46. WOC. 10/2 ots as follows: 5200'- 5728'-5740' (72 hole	sx CI C + 1% D-174 + D-167 + perfs 5345'-5350' w/ 154 sx CI C + C @ 6280'. 10/23/06: Perf'd 4/06: DO cmt. Tested casing to 5212' (72 holes), 5230'-5240' (60	
Name (Printed/Typed)							
Denise Me			Title Age	nt for Bold Ene	ergy, LP; (432) 685	-9158	
Signature Denise 7	nenous		Date 10/2	6/2006			
	THIS SPACE I	OR FEDE	RAL OR	STATE OF	FICE USE	1	
Approved by			Title			Dista	
Conditions of approval, if any, are attached that the applicant holds legal or equitable the entitle the applicant to conduct operations	itle to those rights in the subject		ertify		<u> </u>	Date	
Title 18 U.S.C. Section 1001 and Title 43		-		ly and willfully t	o make to any departmen	nt or agency of the United States any false,	
fictitious or fraudulent statements OF repre	sentations as to any matter with	un its jurisdiction	n,			,	

(Instructions on page 2)

Submit 3 Copies To Appropriate District Office	State of New Mo	exico	Form C-103
District I	Energy, Minerals and Nati	ıral Resources	May 27, 2004
1625 N. French Dr., Hobbs, NM 88240			WELL API NO.
District II 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION	DIVISION	30-025-21037
District III	1220 South St. Fra	ncis Dr.	5. Indicate Type of Lease Federal STATE FEE
1000 Rio Brazos Rd., Aztec, NM 87410 District IV	Santa Fe, NM 8	7505	6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM 87505			BLM NM021422
SUNDRY NOTIC	CES AND REPORTS ON WELLS		7. Lease Name or Unit Agreement Name
(DO NOT USE THIS FORM FOR PROPOSE DIFFERENT RESERVOIR. USE "APPLIC."			Antelope Ridge Unit
PROPOSALS.)	ATION FOR FERMIT (FORM C-101) F	OK SUCH	#91008492C
1. Type of Well: Oil Well	Gas Well 🔲 Other: SWD		8. Well Number 4
2. Name of Operator			9. OGRID Number 233545
Bold Energy	, LP		10.00
3. Address of Operator 415 W. W			10. Pool name or Wildcat: #96802
	TX 79701		SWD; Bell Canyon – Cherry Canyon
4. Well Location			
Unit LetterB :990_	feet from theNorth	line and2310	feet from theEastline
Section 4	<u> </u>	Range 34E	NMPM County Lea
	11. Elevation (Show whether DR 3562' DF	, RKB, RT, GR, etc.)	
Pit or Below-grade Tank Application or			
Pit typeDepth to Groundwa	terDistance from nearest fresh	vater well Dista	ance from nearest surface water
Pit Liner Thickness: mil	Below-Grade Tank: Volume	bbls; Co	nstruction Material
12. Check A	ppropriate Box to Indicate N	lature of Notice, l	Report or Other Data
NOTICE OF IN	CENTION TO:	CLID	SEQUENT DEPORT OF
PERFORM REMEDIAL WORK	PLUG AND ABANDON 🗌	REMEDIAL WORK	SEQUENT REPORT OF: C
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DRI	_
PULL OR ALTER CASING	MULTIPLE COMPL	CASING/CEMENT	-
		O/ (OII TO/ OEI/IEIT)	
OTHER:		OTHER: Stimulat	ion Program
			give pertinent dates, including estimated date
	k). SEE RULE 1103. For Multip	ole Completions: Att	ach wellbore diagram of proposed completion
or recompletion. 10/26/06: Acidized Delaware format	ion in three stages via 2 7/8" tubi	a with DDD and tree	ting peaker as follows:
10/20/00. Acidized Delaware format	ion in timee stages via 2-7/6 tuon	ig with KDF and trea	unig packer as follows.
Perfs 6038'-6296': 195 bbls 15% HC = 728 psi, 10 min SIP = 709 psi, 15 m		PR = 15.2 bpm, ATP	= 2847 psi. ISIP = 760 psi. 5 min SIP
Perfs 5599'-5811': 145 bbls 15% HC psi, 10 min SIP = 636 psi, 15 min SIF	L acid w/ 100 bbls FW flush. AF = 590 psi.	PR = 15.6 bpm, ATP	= 2688 psi. ISIP = 850 psi. 5 min SIP = 693
Dorfo 5200' 5205'. 155 hble 150/ 110	Y acid and 100 kbls EW flock AT	D = 16.45 ATD	_ 2024 : IOID 700 : 5 : OID 700
psi, 10 min SIP = 733 psi, 15 min SIF			= 2934 psi. ISIP = 780 psi. 5 min SIP = 780
Total load to recover = 841 bbls. No	communication above packer obs	erved during treatme	nts.
I hereby certify that the information a grade tank has been/will be constructed or c	bove is true and complete to the b	est of my knowledge □, a general permit □ e	and belief. I further certify that any pit or below- or an (attached) alternative OCD-approved plan
SIGNATURE X Senise >	Heroud TITLE:	Agent for Bold Ener	gy, LP DATE: 11/06/2006
Type or print name: Denise Menoud For State Use Only	E-mail address: denise@grays	urfacespecialties.con	Telephone No.: 432-685-9158
APPROVED BY:	mini n		* * * * * * * * * * * * * * * * * * *
Conditions of Approval (if any):	IIILE		DATE

Form 3160-5 (February 2005)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB No. 1004-0137 Expires: March 31, 2007

5. Lease Serial No. NM021422

6. If Indian, Allottee or Tribe Name

SUNDRY NOTICES AND REPORTS ON WELLS

SUBMO	·			1	
	T IN TRIPLICATE - Other	7. If Unit of CA/Agreement, Name and/or No. 91008492C			
1. Type of Well	_			8. Well Name and No.	
Oil Well Gas W	/ell Other			Antelope Ridge U	nit #4
Name of Operator Bold Energy, Li	P			9. API Well No. 30-025-21037	
3a. Address 415 W. Wall, Suite 500		3b. Phone No. (include area o	code)	10. Field and Pool or I	Exploratory Area SwD; BELL
Midland, TX 79701		432-686-1100		Antelope Ridge (Atoka)(anyon-Cheery
4. Location of Well (Footage, Sec., T., I)		11. Country or Parish,	C/10 7 01 -
990' FNL & 2310' FEL, Unit B, Sec 4, T24S, R34	łE	- 17-4 - T-1-17-17-17-17-17-17-17-17-17-17-17-17-1		Lea County, New	Mexico #9680
12. CHEC	K THE APPROPRIATE BO	OX(ES) TO INDICATE NATU	RE OF NOTI	CE, REPORT OR OTH	ER DÁTA
TYPE OF SUBMISSION		Т	YPE OF ACT	ΠON	
Notice of Intent	Acidize	Deepen Deepen	☐ Proc	luction (Start/Resume)	Water Shut-Off
Nouce of Intent	Alter Casing	Fracture Treat	Reci	lamation	Well Integrity
Subsequent Report	Casing Repair	☐ New Construction	Rec	omplete	Other Stimulation program
Subsequent Report	Change Plans	Plug and Abandon	Tem	porarily Abandon	
Final Abandonment Notice	✓ Convert to Injection	Plug Back	☐ Wat	er Disposal	
10/26/2006: Acidized Delaware form	nation in three stages via 2	2-7/8" tubing with RBP and to	reating pack	er as follows:	
10/26/2006: Acidized Delaware form Perfs 6,038' - 6,296': 195 bbls 15% psi, 15 min SIP = 696 psi. Perfs 5,599' - 5,811': 145 bbls 15% psi, 15 min SIP = 590 psi. Perfs 5,200' - 5,305': 155 bbls 15% psi, 15 min SIP = 723 psi. 12 hour S Total load to recover = 841 bbls. No	HCL acid w/ 116 bbls FW HCL acid w/ 100 bbls FW HCL acid w/ 100 bbls FW IIP = 320 psi.	/ flush. APR = 15.2 bpm, ATI / flush. APR = 15.6 bpm, ATI / flush. APR = 16.4 bpm, ATI	P = 2,847 ps P = 2,688 ps P = 2,934 ps	si. ISIP = 760 psi. 5 m si. ISIP = 850 psi. 5 m	in SIP = 693 psi, 10 min SIP = 636
Perfs 6,038' - 6,296': 195 bbls 15% psi, 15 min SIP = 696 psi. Perfs 5,599' - 5,811': 145 bbls 15% psi, 15 min SIP = 590 psi. Perfs 5,200' - 5,305': 155 bbls 15% psi, 15 min SIP = 723 psi. 12 hour S Total load to recover = 841 bbls. No	HCL acid w/ 116 bbls FW HCL acid w/ 100 bbls FW HCL acid w/ 100 bbls FW IP = 320 psi.	/ flush. APR = 15.2 bpm, ATI / flush. APR = 15.6 bpm, ATI / flush. APR = 16.4 bpm, ATI	P = 2,847 ps P = 2,688 ps P = 2,934 ps	si. ISIP = 760 psi. 5 m si. ISIP = 850 psi. 5 m	in SIP = 693 psi, 10 min SIP = 636
Perfs 6,038' - 6,296': 195 bbls 15% psi, 15 min SIP = 696 psi. Perfs 5,599' - 5,811': 145 bbls 15% psi, 15 min SIP = 590 psi. Perfs 5,200' - 5,305': 155 bbls 15% psi, 15 min SIP = 723 psi. 12 hour S	HCL acid w/ 116 bbls FW HCL acid w/ 100 bbls FW HCL acid w/ 100 bbls FW IP = 320 psi.	/ flush. APR = 15.2 bpm, ATI / flush. APR = 15.6 bpm, ATI / flush. APR = 16.4 bpm, ATI	P = 2,847 ps P = 2,688 ps P = 2,934 ps ents.	si. ISIP = 760 psi. 5 m si. ISIP = 850 psi. 5 m si. ISIP = 780 psi. 5 m	in SIP = 693 psi, 10 min SIP = 636 in SIP = 780 psi, 10 min SIP = 733
Perfs 6,038' - 6,296': 195 bbls 15% psi, 15 min SIP = 696 psi. Perfs 5,599' - 5,811': 145 bbls 15% psi, 15 min SIP = 590 psi. Perfs 5,200' - 5,305': 155 bbls 15% psi, 15 min SIP = 723 psi. 12 hour S Total load to recover = 841 bbls. No	HCL acid w/ 116 bbls FW HCL acid w/ 100 bbls FW HCL acid w/ 100 bbls FW IP = 320 psi.	flush. APR = 15.2 bpm, ATI flush. APR = 15.6 bpm, ATI flush. APR = 16.4 bpm, ATI cker observed during treatm	P = 2,847 ps P = 2,688 ps P = 2,934 ps ents.	si. ISIP = 760 psi. 5 m si. ISIP = 850 psi. 5 m si. ISIP = 780 psi. 5 m	in SIP = 693 psi, 10 min SIP = 636 in SIP = 780 psi, 10 min SIP = 733
Perfs 6,038' - 6,296': 195 bbls 15% psi, 15 min SIP = 696 psi. Perfs 5,599' - 5,811': 145 bbls 15% psi, 15 min SIP = 590 psi. Perfs 5,200' - 5,305': 155 bbls 15% psi, 15 min SIP = 723 psi. 12 hour S Total load to recover = 841 bbls. No 14. I hereby certify that the foregoing is tr Name (<i>PrintedTyped</i>) Denise Menoud	HCL acid w/ 116 bbls FW HCL acid w/ 100 bbls FW HCL acid w/ 100 bbls FW IIP = 320 psi. communication above particular and correct.	flush. APR = 15.2 bpm, ATI flush. APR = 15.6 bpm, ATI flush. APR = 16.4 bpm, ATI cker observed during treatm Title Agent 1	P = 2,847 ps P = 2,688 ps P = 2,934 ps ents. for Bold Ene	si. ISIP = 760 psi. 5 m si. ISIP = 850 psi. 5 m si. ISIP = 780 psi. 5 m	in SIP = 693 psi, 10 min SIP = 636 in SIP = 780 psi, 10 min SIP = 733
Perfs 6,038' - 6,296': 195 bbls 15% psi, 15 min SIP = 696 psi. Perfs 5,599' - 5,811': 145 bbls 15% psi, 15 min SIP = 590 psi. Perfs 5,200' - 5,305': 155 bbls 15% psi, 15 min SIP = 723 psi. 12 hour S Total load to recover = 841 bbls. No 14. I hereby certify that the foregoing is tr Name (<i>PrintedTyped</i>) Denise Menoud	HCL acid w/ 116 bbls FW HCL acid w/ 100 bbls FW HCL acid w/ 100 bbls FW IIP = 320 psi. communication above particular and correct.	flush. APR = 15.2 bpm, ATI flush. APR = 15.6 bpm, ATI flush. APR = 16.4 bpm, ATI cker observed during treatm Title Agent 1 Date 10/30/2	P = 2,847 ps P = 2,688 ps P = 2,934 ps ents. for Bold Ene	si. ISIP = 760 psi. 5 m si. ISIP = 850 psi. 5 m si. ISIP = 780 psi. 5 m	in SIP = 693 psi, 10 min SIP = 636 in SIP = 780 psi, 10 min SIP = 733
Perfs 6,038' - 6,296': 195 bbls 15% psi, 15 min SIP = 696 psi. Perfs 5,599' - 5,811': 145 bbls 15% psi, 15 min SIP = 590 psi. Perfs 5,200' - 5,305': 155 bbls 15% psi, 15 min SIP = 723 psi. 12 hour S Total load to recover = 841 bbls. No 14. I hereby certify that the foregoing is tr Name (<i>Printed/Typed</i>) Denise Menoud	HCL acid w/ 116 bbls FW HCL acid w/ 100 bbls FW HCL acid w/ 100 bbls FW IIP = 320 psi. communication above particular and correct.	flush. APR = 15.2 bpm, ATI flush. APR = 15.6 bpm, ATI flush. APR = 16.4 bpm, ATI cker observed during treatm Title Agent 1 Date 10/30/2	P = 2,847 ps P = 2,688 ps P = 2,934 ps ents. for Bold Ene	si. ISIP = 760 psi. 5 m si. ISIP = 850 psi. 5 m si. ISIP = 780 psi. 5 m ergy, LP; (432) 685-	in SIP = 693 psi, 10 min SIP = 636 in SIP = 780 psi, 10 min SIP = 733

(Instructions on page 2)

Submit 3 Copies To Appropriate District Office	State of New Me	xico	Form C-103
District I	Energy, Minerals and Natu	ral Resources	May 27, 2004 ELL API NO.
1625 N. French Dr., Hobbs, NM 88240 District II	0. 00. 10. 10. 10. 10. 10. 10. 10. 10. 1		30-025-21037
1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION	1.5	Indicate Type of Lease Federal
<u>District III</u> 1000 Rio Brazos Rd., Aztec, NM 87410	1220 South St. Fran	icis Dr.	STATE FEE
District IV	Santa Fe, NM 87	""	State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM 87505		BI	.M NM021422
(DO NOT USE THIS FORM FOR PROPO DIFFERENT RESERVOIR. USE "APPLIC	ICES AND REPORTS ON WELLS ISALS TO DRILL OR TO DEEPEN OR PLU CATION FOR PERMIT" (FORM C-101) FO	JG BACK TO A	Lease Name or Unit Agreement Name Antelope Ridge Unit, #91008492C
PROPOSALS.) 1. Type of Well: Oil Well	Gas Well Other: SWD	8.	Well Number 4
2. Name of Operator	das wen outer. Swb	9.	OGRID Number
Bold	Energy, LP		233545
	W. Wall, Suite 500		. Pool name or Wildcat
	and, TX 79701	SV	VD; Bell Canyon – Cherry Canyon
4. Well Location			
Unit LetterB:	990feet from theNorth		
Section 4			NMPM County Lea
	11. Elevation (Show whether DR, 3562' DF	KKB, KI, GK, etc.)	
Pit or Below-grade Tank Application C		· · · · · · · · · · · · · · · · · · ·	
Pit typeDepth to Groundw	vaterDistance from nearest fresh w	ater well Distance	from nearest surface water
Pit Liner Thickness: mil	Below-Grade Tank: Volume	bbls; Constru	action Material
12 Check	Appropriate Box to Indicate N	ature of Notice Rer	ort or Other Data
	••	· •	
	ITENTION TO:	1	QUENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON ☐ CHANGE PLANS ☐	REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON PULL OR ALTER CASING	_	COMMENCE DRILLIN CASING/CEMENT JO	
TOLE ON METER ON ONLY			ng after completion of SWD
OTHER:		OTHER:	X
of starting any proposed we or recompletion.	oleted operations. (Clearly state all pork). SEE RULE 1103. For Multip	pertinent details, and give le Completions: Attach	re pertinent dates, including estimated dat wellbore diagram of proposed completion
Total injected during stimulation			
Total recovered while bleeding p	ressure & moving tools = 48 bbls	5.	
	work, POOH with tubing, PKR 8 SSFL = 300', FFL = 1,200', Reco		set at 5,150'
Rigged up Reeco	swabbing unit.		
	rig. SFL = 1,200'. FFL = 2,800'.		
	rig. SFL = 300'. FFL = 1,200'. Re rig. SFL = 250'. FFL = 1,500'. Re		
	as or oil in samples.	covered 322 bbis.	
	red = 859 bbls. Recovered 18 bb	ls over load.	
	of last swabbed fluid picked up by and tripped out of hole with tubin		r analysis.
I hereby certify that the information grade tank has been/will be constructed or	above is true and complete to the becomes according to NMOCD guidelines	est of my knowledge and	d belief. I further certify that any pit or below-
SIGNATURE Lenise	menoud TITLE: A	gent for Bold Energy, I	DATE: 11/06/2006
Type or print name : Denise Meno For State Use Only	oud E-mail address: denise@gra	ysurfacespecialties.com	Telephone No.: 432-685-9158
APPROVED BV	TiTI C		DATE
APPROVED BY: Conditions of Approval (if any):	IIILE		DATE

Submit 3 Copies To Appropriate District State of New Mexico Form C-103 Office Energy, Minerals and Natural Resources May 27, 2004 District I WELL API NO. 1625 N. French Dr., Hobbs, NM 88240 District II 30-025-21037 OIL CONSERVATION DIVISION 1301 W. Grand Ave., Artesia, NM 88210 5. Indicate Type of Lease Federal District III 1220 South St. Francis Dr. STATE [FEE 1000 Rio Brazos Rd., Aztec, NM 87410 Santa Fe, NM 87505 6. State Oil & Gas Lease No. District IV 1220 S. St. Francis Dr., Santa Fe, NM BLM NM021422 87505 SUNDRY NOTICES AND REPORTS ON WELLS 7. Lease Name or Unit Agreement Name (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A Antelope Ridge Unit, #91008492C DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 8. Well Number 1. Type of Well: Oil Well Gas Well Other: SWD 2. Name of Operator 9. OGRID Number Bold Energy, LP 233545 415 W. Wall, Suite 500 10. Pool name or Wildcat 3. Address of Operator Midland, TX 79701 SWD: Bell Canyon - Cherry Canyon 4. Well Location 990 Unit Letter feet from the North line and 2310 feet from the В East line **Township 24S** Range 34E **NMPM** Section County Lea 11. Elevation (Show whether DR. RKB, RT. GR. etc.) 3562' DF Pit or Below-grade Tank Application 🗌 or Closure 🔲 Pit type Depth to Groundwater Distance from nearest fresh water well Distance from nearest surface water Below-Grade Tank: Volume Pit Liner Thickness: bbls; Construction Material 12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data SUBSEQUENT REPORT OF: NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK ALTERING CASING □ **TEMPORARILY ABANDON CHANGE PLANS** COMMENCE DRILLING OPNS. P AND A П **PULL OR ALTER CASING** MULTIPLE COMPL **CASING/CEMENT JOB** Injection test after completion of SWD OTHER: OTHER: 13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion. 10/31/06: With PKR set at 5,126' performed injection test via plastic coated 2-7/8" tubing with 600 psi held on annulus: ARU #1 - Injection Test Volume (bbls) Pressure (psi) Equivalent Rate (bpd) Rate (bpm) 1.94 Cumm. Time (min) Cumm. Vol (bbis) Time (min) Load Tubing 12.4 410 2790 Step Up 1 0.48 11.4 14.8 Step Up 2 0.53 16 4 17.5 251 763.2 Step Up 3 1 06 21.4 5.3 228 316 1526 4 30.2 1.49 26.4 31.4 Step Up 4 2145.6 365 Step Up 5 2.04 2937.6 2.53 Step Up 6 36.4 53 1 516 3643.2 12.7 Step Up 7 41.4 15.0 68.0 609 4305 B Step Down 1 2.52 46.4 126 80.6 549 3628.8 2.04 Step Down 2 10.2 90.8 468 58.4 98.2 1.48 413 1454.4 Step Down 4 1 01 61.4 103.3 352 0.53 66.4 Step Down 5 105.9 304 761.76 Step Down 6 ISIP = 270 psi, 5 min SIP = 223 psi 10 min SIP = 200 psi 15 min SIP = 180 psi, I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or belowgrade tank has been/will be constructed or closed according to NMOCD guidelines _, a general permit _ or an (attached) alternative OCD-approved plan _. SIGNATURE (X TITLE: Agent for Bold Energy, LP DATE: 11/06/2006 Type or print name: Denise Menoud E-mail address: denise@graysurfacespecialties.com Telephone No.: 432-685-9158 For State Use Only

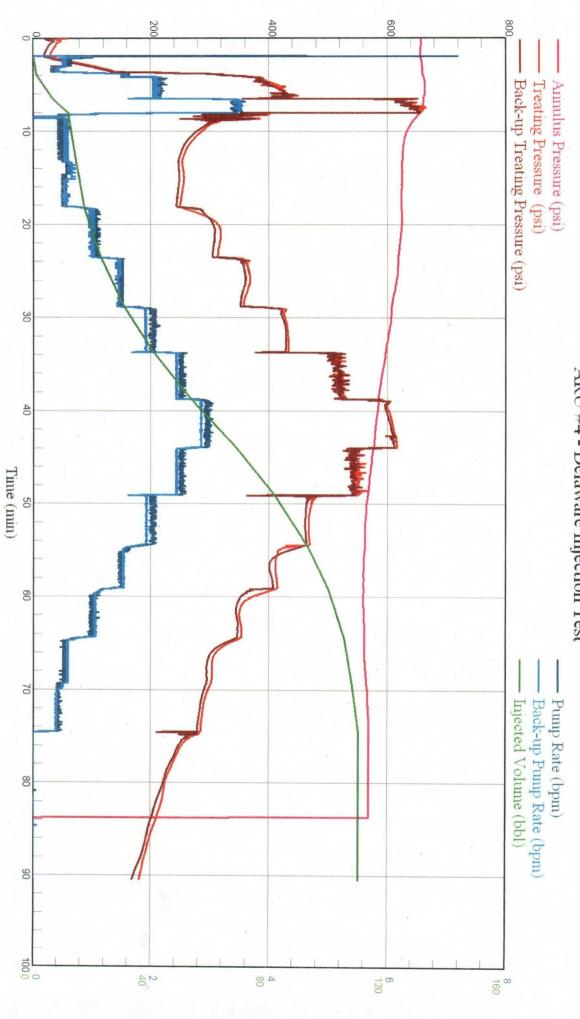
TITLE

DATE

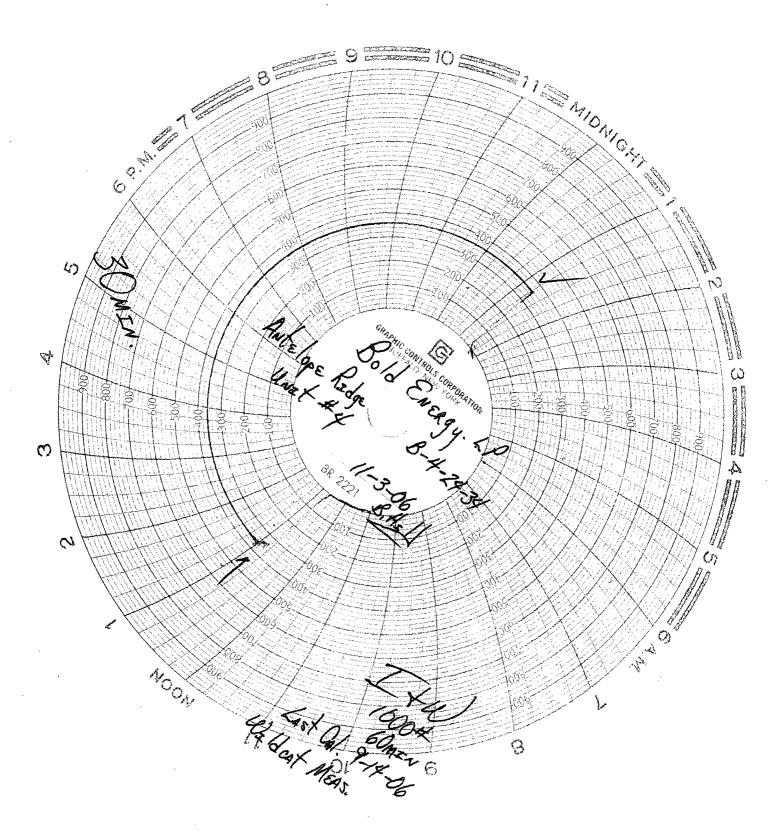
Conditions of Approval (if any):

APPROVED BY:

ARU #4 - Delaware Injection Test



Submit 3 Copies To Appropriate District Office State C	of New Mexico	Form C-103
<u>District I</u> Energy, Minera	ls and Natural Resources	May 27, 2004
1625 N. French Dr., Hobbs, NM 88240 District II		WELL API NO. 30-025-21037
1301 W. Grand Ave., Artesia, NM 88210 OIL CONSEI	RVATION DIVISION	5. Indicate Type of Lease Federal
1000 Die Deerse Dd. Artee NM 97410	th St. Francis Dr.	STATE FEE
District IV Santa	Fe, NM 87505	6. State Oil & Gas Lease No.
1220 S. St. Francis Dr., Santa Fe, NM 87505		BLM NM021422
SUNDRY NOTICES AND REPORTS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DI DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FO	EEPEN OR PLUG BACK TO A	7. Lease Name or Unit Agreement Name Antelope Ridge Unit, #91008492C
PROPOSALS.) 1. Type of Well: Oil Well Gas Well Other:	SWD	8. Well Number 4
2. Name of Operator		9. OGRID Number
Bold Energy, LP		233545
3. Address of Operator 415 W. Wall, Suite 500		10. Pool name or Wildcat
Midland, TX 79701		SWD; Bell Canyon – Cherry Canyon
4. Well Location		
*** *** *** *** *** *** *** *** *** **	e North line and 23	
	24S Range 34E	NMPM County Lea
	whether DR, RKB, RT, GR, etc.)	
3562' DF Pit or Below-grade Tank Application or Closure		
Pit type Depth to Groundwater Distance from	nearest fresh water well Dist	ance from nearest surface water
Pit Liner Thickness: mil Below-Grade Tank:		nstruction Material
12. Check Appropriate Box to	Indicate Nature of Notice,	Report or Other Data
NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK PLUG AND ABANDO TEMPORARILY ABANDON CHANGE PLANS PULL OR ALTER CASING MULTIPLE COMPL	l l	LLING OPNS. P AND A
OTHER		on test after completion of SWD
OTHER: 13. Describe proposed or completed operations. (Clean	OTHER:	X
of starting any proposed work). SEE RULE 1103. or recompletion.		
11/3/2006: Casing / Packer Pressure tested to 1000#		psi for 30 minutes.
Original chart attached. Copy mailed to E	BLM / Carlsbad.	
·		
I hereby certify that the information above is true and comp grade tank has been/will be constructed or closed according to NMOC	D guidelines 🔲, a general permit 🔲	or an (attached) alternative OCD-approved plan .
SIGNATURE Clenise Wencoud	_TITLE: Agent for Bold Energ	y, LP DATE: 11/06/2006
Type or print name: Denise Menoud E-mail address: For State Use Only	denise@graysurfacespecialties.c	Telephone No.: 432-685-9158
APPROVED BY:	_TITLE	DATE
Conditions of Approval (if any):		



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

5

Page

RARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240 (915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

ANALYSIS REQUEST Terms and Conditions; Interest will 30 days part the at the rate of 24% and all costs of collections, including ☐ Yes ☐ No Add1 Phone # Cathons sys after completion of the applicable red by client, its subsidiation, and paid by the cleant for the SAMPLING BILL TO DATE PRESERV. : ЯЭНТО Company: ICE / COOF Address: Phone #: P.O. # Fax #: State: YCID/BYSE: Attn: <u>⊊</u> STUDGE MATRIX CKNDE OIF TIOS Donnie Money Zip: 7970 394-9030 **RETEWATER** analyses. At claims including those for neglepence and any other cause whatevoew shall be doesned waked unless m service. In no event shall Cardinal be lathe for incidental or consequented claranges, including without limitation, bushr # CONTAINERS (G) RAB OR (C) OMP. Project Owner: State: | X Duff Fax# Sample I.D. Ald Enryy カサ 1747 Runie effective or successors arising out of ar related to the parto. Sampler Relinquished: Phone # 394 - 0 656 Antelox 1.6 m 4.5 Project Manager: Company Name: Project Location: Sampler Name: #11760-1 Project Name: FOR LAB USE ONLY Lab I.D. Address: Project #: CRY:

631-5598 Cell # Fax Result: REMARKS: CHECKED BY: (Initials) Alph I m dens Sample Condition
Cool Intact
Thes Lifes Received By: (Lab Staff) Date: //-6-06 Time: Sampler - UPS - Bus - Other: Relinquished By:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.



PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR

BOLD ENERGY

ATTN: DONNY MONEY 415 W. WALL, SUITE 500 MIDLAND, TX 79701

FAX TO: (505) 394-9030

Receiving Date: 11/06/06
Reporting Date: 11/07/06
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: NOT GIVEN

Sample Type: WATER

Sample Condition: COOL & INTACT

Sample Received By: HM Analyzed By: AB/HM

H11760-1 ANTELOPE #4 CWA 58482 20040 17010 1535 *274800	LAB NUMBER SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (u S/cm)	T-Alkalinity (mgCaCO ₃ /L)
Quality Control NR 48.1 48.6 1.79 1424 True Value QC NR 50.0 50.0 2.00 1413 % Recovery NR 96 97 90 101 Relative Percent Difference NR 0.0 0.0 4.6 0.4 METHODS: SM3500-Ca-D 3500-Mg E 8049 120.1 CIT SO ₄ CO ₃ HCO ₃ pH (mg/L) (mg/L) (mg/L) (mg/L) (s.u.) ANALYSIS DATE: 11/06/06 11/07/06 11/06/06 11/06/06 11/06/06 11/06/06 11/06/06 11/06/06 11 H11760-1 ANTELOPE #4 CWA 175945 1178 0 195 5.83 2 Quality Control 500 23.9 NR 976 7.05 True Value QC 500 25 NR 1000 7 % Recovery 100 96 NR 98 101	ANALYSIS DATE:	11/07/06	11/06/06	11/06/06	11/07/06	11/06/06	11/06/06
True Value QC NR 50.0 50.0 2.00 1413 % Recovery NR 96 97 90 101 Relative Percent Difference NR 0.0 0.0 4.6 0.4 METHODS: SM3500-Ca-D 3500-Mg E 8049 120.1 CIT SO4 CO3 HCO3 pH (mg/L) (mg/L) (mg/L) (mg/L) (s.u.) ANALYSIS DATE: 11/06/06 11/07/06 11/06/0	H11760-1 ANTELOPE #4 CWA	58482	20040	17010	1535	*274800	160
True Value QC NR 50.0 50.0 2.00 1413 % Recovery NR 96 97 90 101 Relative Percent Difference NR 0.0 0.0 4.6 0.4 METHODS: SM3500-Ca-D 3500-Mg E 8049 120.1 CIT SO4 CO3 HCO3 pH (mg/L) (mg/L) (mg/L) (mg/L) (s.u.) ANALYSIS DATE: 11/06/06 11/07/06 11/06/06 11/06/06 11/06/06 11/06/06 11 H11760-1 ANTELOPE #4 CWA 175945 1178 0 195 5.83 2 Quality Control 500 23.9 NR 976 7.05 True Value QC 500 25 NR 1000 7 % Recovery 100 96 NR 98 101	Quality Control	NR	48.1	48.6	1.79	1424	NR
Relative Percent Difference NR 0.0 0.0 4.6 0.4		NR	50.0	50.0	2.00	1413	NR
METHODS: SM3500-Ca-D 3500-Mg E 8049 120.1	% Recovery	NR	96	97	90	101	NR
CIT SO ₄ CO ₃ HCO ₃ pH (mg/L) (mg/L) (mg/L) (s.u.) ANALYSIS DATE: 11/06/06 11/07/06 11/06/06 11/06/06 11/06/06 11/ H11760-1 ANTELOPE #4 CWA 175945 1178 0 195 5.83 2 Quality Control 500 23.9 NR 976 7.05 True Value QC 500 25 NR 1000 7 % Recovery 100 96 NR 98 101	Relative Percent Difference	NR	0.0	0.0	4.6	0.4	NR
ANALYSIS DATE: 11/06/06 11/07/06 11/06/06	METHODS:	SM	3500-Ca-D	3500-Mg E	8049	120.1	310.1
ANALYSIS DATE: 11/06/06 11/07/06 11/06/		CI ⁻	SO ₄	CO ₃	HCO ₃	pН	TDS
H11760-1 ANTELOPE #4 CWA 175945 1178 0 195 5.83 2 Quality Control 500 23.9 NR 976 7.05 True Value QC 500 25 NR 1000 7 % Recovery 100 96 NR 98 101		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(s.u.)	(mg/L)
Quality Control 500 23.9 NR 976 7.05 True Value QC 500 25 NR 1000 7 % Recovery 100 96 NR 98 101	ANALYSIS DATE:	11/06/06	11/07/06	11/06/06	11/06/06	11/06/06	11/07/06
True Value QC 500 25 NR 1000 7 % Recovery 100 96 NR 98 101	H11760-1 ANTELOPE #4 CWA	175945	1178	0	195	5.83	286224
True Value QC 500 25 NR 1000 7 % Recovery 100 96 NR 98 101		500					
% Recovery 100 96 NR 98 101					···		NR.
							NR
Relative Percent Difference 2 7.6 NR 0.0 0.4							NR
	Relative Percent Difference	2	7.6	NR	0.0	0.4	NR
METHODS: SM4500-CI-B 375.4 310.1 310.1 150.1	METHODS:	SM4500-CI-B	375.4	310.1	310.1	150.1	160.1

^{*} Conductivity performed on a 1:1 dilution.

Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In the special cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.