

DATE: 12/12/07	SUSPENSE	ENGINEER: W. Jones	LOGGED IN: 12/12/07	TYPE: SWD	APP NO: PKUR0734650987
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Simultaneous Dedication
- ☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR

- [D] Other: Specify _____

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

- [A] ☐ Working, Royalty or Overriding Royalty Interest Owners

- [B] ☒ Offset Operators, Leaseholders or Surface Owner

- [C] ☐ Application is One Which Requires Published Legal Notice

- [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

- [E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,

- [F] ☒ Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

James Bruce

Print or Type Name

Signature

Attorney for Applicant

Title

Date

jamesbruc@aol.com
e-mail Address

2007 DEC 12 PM 2 08

RECEIVED

12/11/07

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

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SANTA FE, NEW MEXICO 87501

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jamesbruc@aol.com

RECEIVED
2007 DEC 11 PM 2 07

December 11, 2007

William V. Jones
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Resubmittal of administrative SWD application/Bold Energy LP
Antelope Ridge Unit Well No. 6/SW $\frac{1}{4}$ NE $\frac{1}{4}$ §3-24S-34E

Dear Mr. Jones:

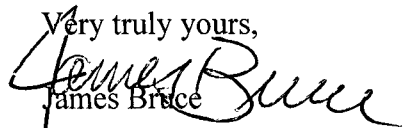
Bold Energy LP previously submitted to the Division an application for administrative approval of a salt water disposal well (copy of application attached as Exhibit A). However, due to an objection by the Madera Trust, the surface owner, the matter was set for hearing (Case No. 14039, set for hearing on December 13th). The Madera Trust has now withdrawn its objection (see Exhibit B).

Attached as Exhibit C is a land plat of the area of review. In addition to surface owner, the administrative application was also mailed to the BLM (the mineral owner/lessor) and Chesapeake Exploration, L.L.C. (the other working interest owner in the Antelope Ridge Unit). I am obtaining the green card showing the BLM's receipt of notice, and I will submit that later. Attached as Exhibit D is Chesapeake's waiver of objection to the application.

In reviewing Exhibit C and the Division's well records, the application was not originally provided to Cimarex Energy Co. and Asher Enterprises Ltd. Co., the operators in §2-24S-34E. However, those companies have waived objection to the application (Exhibits E and F). Therefore, there is no objection to the application.

As a result, Bold Energy LP requests that this matter be approved administratively.

Very truly yours,


James Bruce

Attorney for Bold Energy LP

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance ☒ Disposal _____ Storage
Application qualifies for administrative approval? ☒ Yes _____ No

II. OPERATOR: Bold Energy, LP

ADDRESS: 415 W Wall Street Suite 500 Midland Texas 79701

CONTACT PARTY: Shannon L. Klier, Operations Engineering Mgr. PHONE: (432) 686-1100

III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? _____ Yes ☒ No
If yes, give the Division order number authorizing the project: _____

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).

*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Shannon L. Klier TITLE: Ops Engineering Mgr.

SIGNATURE:  DATE: 8/21/07

E-MAIL ADDRESS: shannon.klier@boldenergy.com

* If the information required under Sections VI, VIII, X, and XI above has been prev
Please show the date and circumstances of the earlier submittal: _____

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

BOLD ENERGY, LP
Antelope Ridge Unit #6 – SWD
Items for form C-108

- III. Well data form complete and attached.
- V. A map of the area surrounding the Antelope Ridge Unit #6 (proposed salt water disposal well) is attached. The map shows all wells within a 2 mile radius and those wells within a ½ mile radius of the proposed SWD well (area of review).
- VI. To date, no wells exist on record within a ½ mile radius of the proposed SWD well.
- VII. Proposed Operation:

Squeeze work will be performed to ensure that zonal isolation exists immediately above and below the proposed injection interval. Results will be evaluated by CBL and submitted to the Division.

1. Based on current field production the anticipated average daily injection rate is 0.69 bbls/minute for a total daily volume of 1,000 bbls. Based on future anticipated field production the maximum anticipated daily injection rate is 1.39 bbls/minute for a maximum daily volume of 2,000 bbls.
2. The injection system proposed for this well is open.
3. The maximum injection pressure will not exceed 1,034 psi (0.2 psi/ft OCD allowable rate) until a step rate test is performed to establish a higher limit.
4. Attached is a water analysis for the Antelope Ridge Unit facility which will be the point from which produced water will be sent to the proposed disposal well.
5. Attached is existing literature describing the chemical properties of produced water from the proposed Delaware injection zone.

BOLD ENERGY, LP
Antelope Ridge Unit #6 – SWD
Items for form C-108

- VIII. The proposed injection zones are Bell Canyon and Cherry Canyon formation sandstones of the Delaware Mountain Group, . The top of the Delaware Mountain Group is the Bell Canyon formation at 5170 feet. The Bell Canyon formation is 865 feet thick. The top of the underlying Cherry Canyon formation is present at 6035 feet. Attached is a section of the log of this well showing the tops and proposed perforations. There is no fresh water aquifers below the injection zone. The closest fresh water well produces water from an aquifer in the Triassic sandstone present at 475 feet measured depth.
- IX. Stimulation Program: After perforating all intervals, an acid treatment consisting of 19,000 gallons of 15% HCL acid will be pumped down the casing.
- X. The following logs have been filed with the Division and are available on-line:
- Schlumberger Compensated Neutron-Formation Density
Schlumberger Dual Lateral Log
Schlumberger Borehole Compensated Sonic Log
- XI. It was determined that one fresh water well exists within a one-mile radius of the proposed disposal well (identified on map). A water analysis from this well is attached.
- XII. Bold Energy, LP finds no evidence of any hydrologic connection, fault or other mechanism by which there will be any hydrologic connection between the disposal zone and underground sources of drinking water.
- XIII. Surface Owner: The Madera Family Trust B Trust
c/o Bert Madera
130 Madera Road
Jal, NM 88251
*Proof of notice attached.

BOLD ENERGY, LP
Antelope Ridge Unit #6 – SWD
Items for form C-108

XIII. Leasehold Operators:

See attached list

*Proof of notice attached.

OPERATOR:

Bold Energy, LP

WELL NAME & NUMBER:

Antelope Ridge Unit #6

WELL LOCATION: 1980' FNL & 1980' FEL

Unit Letter "G"

Section 3

T24S

R34E

FOOTAGE LOCATION

UNIT LETTER

SECTION

TOWNSHIP

RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA
Surface Casing

Schematic attached

Hole Size: 20" Casing Size: 16"
Cemented with: 200 sx. or ft³
Top of Cement: Surface Method Determined: Circulated

Intermediate Casing

Hole Size: 14-3/4" Casing Size: 10-3/4"
Cemented with: 1200 + 800 sx. or ft³
Top of Cement: 2nd Stage to Surface Method Determined: Circulated

Production Casing

Hole Size: 9-1/2" Casing Size: 7-5/8"
Cemented with: 800 sx. or ft³
Top of Cement: 7,000' Method Determined: Calculated

Total Depth: 7-5/8" to 11,990' ; 5-1/2" Liner 11,776' - 13,758'

Injection Interval

5,227' feet to 6,290'

(Perforated or Open Hole; indicate which)

Perforations:
5,227' - 5,232'
5,245' - 5,250'
5,259' - 5,264'
5,279' - 5,289'
5,308' - 5,318'
5,640' - 5,645'
5,672' - 5,682'
5,714' - 5,724'
5,737' - 5,747'
5,780' - 5,785'
5,805' - 5,810'
5,837' - 5,842'
5,986' - 5,996'
6,042' - 6,052'
6,071' - 6,076'
6,086' - 6,091'
6,113' - 6,118'
6,148' - 6,158'
6,232' - 6,242'
6,280' - 6,290'

C108 – Item III

INJECTION WELL DATA SHEET

Tubing Size: 2-7/8" 6.5 lb/ft J-55 Lining Material: TK70 (salt water service internal coating)

Type of Packer: 7-5/8" Retrievable w/ L316 o/o tool and stainless 2.310" profile (Nickel Plated and Plastic Coated ID)

Packer Setting Depth: 5,200'

Other Type of Tubing/Casing Seal (if applicable): N/A

Additional Data

1. Is this a new well drilled for injection? Yes X No

If no, for what purpose was the well originally drilled? Producing Gas Well

2. Name of the Injection Formation: Delaware and Cherry Canyon

3. Name of Field or Pool (if applicable): Antelope Ridge

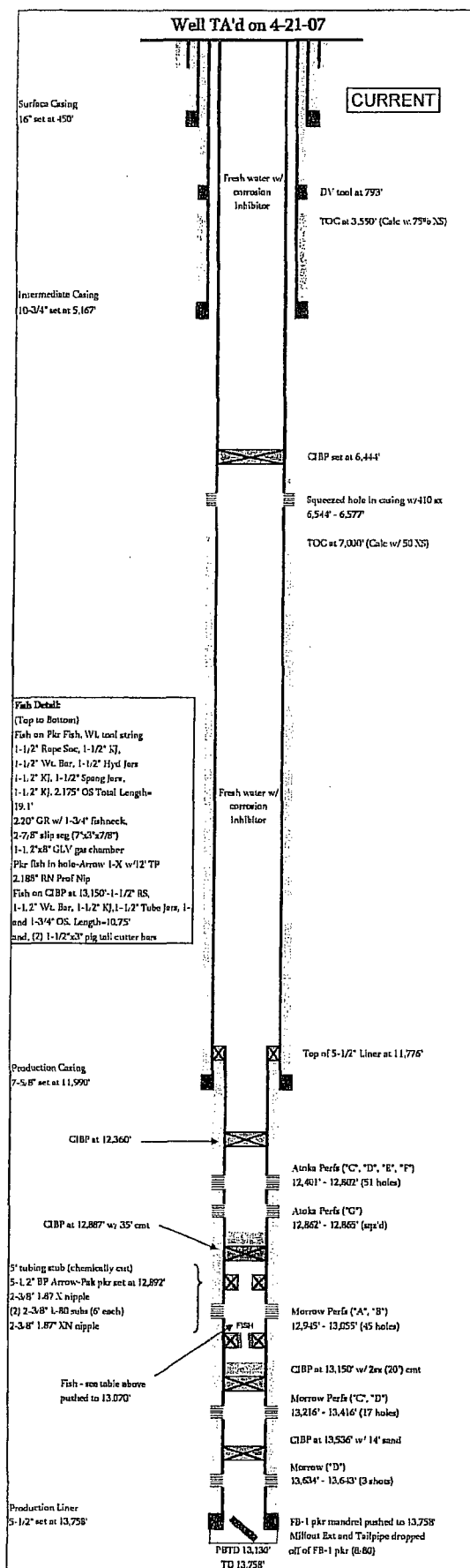
4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.

Morrow (13,634' – 13,643') CIBP at 13,536' w/14' sand; Morrow (13,216' – 13,416') CIBP at 13,150' w/ 20' CMT
Morrow (12,945' – 13,055') CIBP at 12,887' w/ 35' CMT; Atoka (12,401' – 12,865') CIBP at 12,360'

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

Tops - Delaware: 5,145'; Bone Spring: 8,705'; Wolfcamp: 11,205'; Pennsylvanian: 11,903'

Tops - Des Moines: 11,875'; Atoka: 12,095'; Morrow: 12,965'



BOLD ENERGY, LP

Antelope Ridge Unit #6

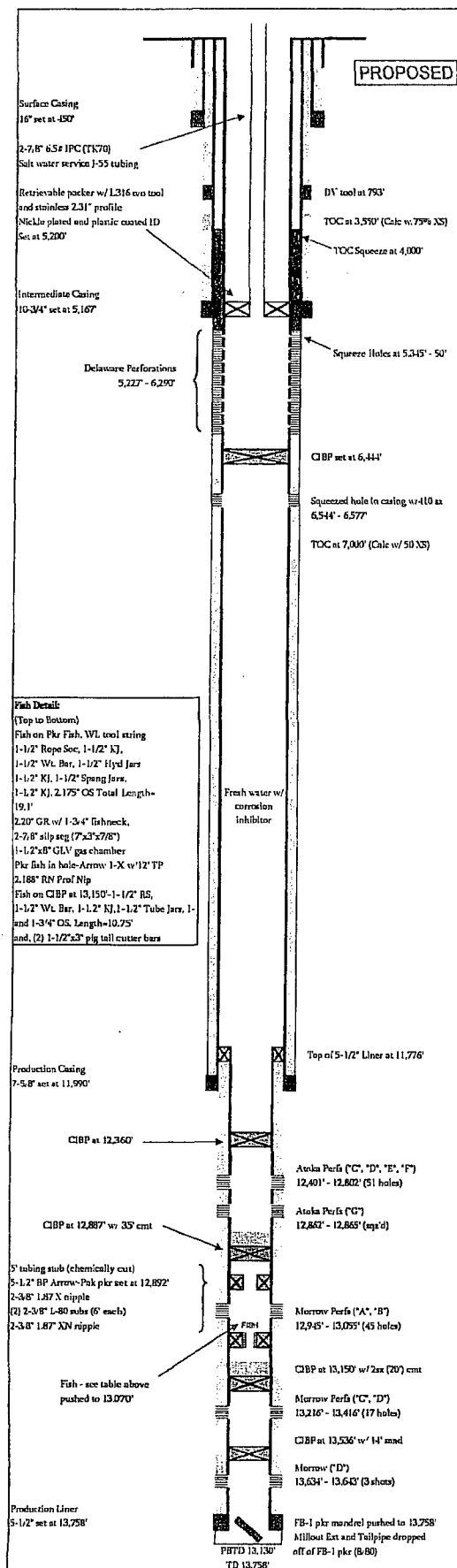
WT: 50.0%
Elevation: 3,499
KB: 26'
Mora TD: 13,758'
TVD: 13,758'
YBD: 13,130'
Zone: Morrow

NRE: 42.5%

APR: 30-025-26291
Surface Location: 1980' FNL & 1980' FEL
Legal Description: Section 3 - T24S - R34E
Field: Antelope Ridge
County: Lea County
State: New Mexico

Casing	Hole	Weight	Grade	Depth	Burst	80% Burst	TOC
(no record of conductor casing in well file)							
16"	20"	65#	H-40	450'	1,640	1,312	Surface (circ)
10-3/4"	14-3/4"	40.5#	K-55	2,700'	3,130	2,504	Surface (circ)
10-3/4"	14-3/4"	40.5#	S-80	3,600'	4,560	3,648	Surface (circ)
10-3/4"	14-3/4"	45.5#	S-80	5,180'	5,210	4,168	Surface (circ)
7-5/8"	9-1/2"	33.7#	P-110	11,990'	10,860	8,688	7,000' (calc)
5-1/2"	6-1/2"	23#	N-80	13,665'	10,560	8,448	TOC

Date	Event
3/14/1979	Spud
8/17/1979	TD at 13,758'
9/19/1979	RH set pkr at 13,100' Perforated gross Morrow w/ 2\" OD thru the guns and no breakdown Morrow "C": 13,215', -217', -218', -233', -234', -235', -316', -317' (8 shots) Morrow "D": 13,382', -303', -406', -407', -409', -410', -414', -415', -416', -434', -635', -643' (12 shots) Pressure came up to 2,100 psi after perforation. Open to pit on 32/64\" choke STTP = 5,160 psi (translates to 6,838 psi assuming gas gradient). No stimulation reported Tested at 5,500 MCFD thru 48/64\" choke. FTP 750 psi (Did not perf Morrow "A" 12,960' - 12,976') CAOP = 7,000 MCFD
10/2/1979	RH w/ spinner. Determine that 90% gas from 13,405'-13,416', and 10% gas from 13,316'-13,320' RH set Lock-Set pkr at 12,014' to dual Morrow & Atoka Perforated Atoka w. 2\" OD de-centralized guns. Atoka "C": 12,401', -402', -417', -418', -419', -490', -491', -495', -496', -497' (10 shots) Atoka "D": 12,508', -509', -510', -512', -514', -516', -519', -564', -565', -566', -610', -611', -612' (13 shots) Atoka "E": 12,640', -642', -646', -647', -652', -654', -657', -688', -689' (9 shots) Atoka "F": 12,772', -774', -776', -778', -779', -792', -793', -794', -798', -798', -799', -801', -802' (13 shots) Overall Atoka = 51 shots over 401' ft gross interval. Pressure came up to 4,500 psi after perforation. Open well to pit, bled to 50 psi and 25 BW Tested at 500 MCFD at 100 psi FTP, 32/64\" choke.
11/2/1979	Acidized w/ 10,000 gal 15% HCl and N2 at 3.5 BPM. Tested at 1,800 MCFD at 300 psi FTP. 48/64\" choke with 130 BCPD and 60 BWPD RH spinner determine majority of gas from 12,417'-12,419'.
12/14/1979	Ran dual string completion with blast (to across Atoka. (Atoka initial BHP = 7,683 psi) Left Morrow SI and produced Atoka with initial rate of 1,100 MCFD at 700 psi FTP Lost wireline tool strings resulting in Atoka production problems. Performed FBU analysis indicated positive skin of 46 determined by Shell
8/4/1980	Begin WO to open Morrow to production SS in LT collapsed and failed. Killed well with 14.5# CaBr2. POOH with LT RH LT and dual pkr. Dual pkr leaking
9/18/1980	Fixed Morrow at 5,000 MCFD, 150 BCPD, 10 BWPD. CP dropped from 2,100 psi to 1,500 psi Killed well with 12.4# CaBr2 water. POOH with LT and dual pkr.
10/6/1980	Finished WO efforts to dual Morrow and Atoka
12/7/1980	Morrow died. RU swab unit. IFL at 2,900' well RO after 2 swab runs
2/21/1990	Begin WO to remove dual string and place well on PLGR RH. Sand line parted while swabbing to recover fluid. Started fishing operations RH pkr set at 12,865' (below Atoka perf) Swabbed Morrow recovered fluid. RH pkr set at 13,354' (below Morrow "C") Swabbed Morrow "D" Recovered fluid from Morrow "D" with a gas blow. (Morrow "D" drowned by CaBr2 water)
5/19/1990	Straddled Morrow from 13,405' - 416'. Acidized with 1,000 gal Acetic. Swabbed w/ gas above. RU HES trace Morrow "D" (13,406' - 416') with HB Alconform; 37,100 lbs 20-40 Norton ISP Well cleaned up to 100 MCFD, 105 psi FTP
7/21/1990	Ran BHP survey. FTP = 190 psi, BHP = 1,820 psi mid perf. 0.306 psi/ft gradient Morrow put on production with Atoka behind pkr By July 1993 well cum'd 250 BCF, 34.3 MBO, and 62.2 MBW
7/23/1993	POOH w/ bkg and pkr. RH w/ CIBP set at 13,150'. Left multiple W/L fish on top of CIBP
8/25/1993	RH w/ tool suite (temp, press, gradiometer, and diverter flowmeter). Flow = 3,500'. SI BHP = 5,840 psi. Open to tank on 13/64\". Gas from 12,400'-518\". No flow below 12,518'
9/1/1993	RH CIBP set at 12,545' w/ 1\" sk cmnt over Atoka "E" & "F", new PBTID = 12,535'. ND BOP, NU tree, Swab Upper Atoka recovering fluid and small volume of gas Produced Atoka "C" and "D" lobes until June-94
6/21/1994	POOH w/ bkg, DO CIBP at 12,545'
8/9/1994	Pkr set at 12,298 RH w/ bkg and GLV's. Place Atoka on GL recovering 150 BW + 200 net MCFD RU Basin Acidizing. Acidize Atoka w. 4,000 gal of 15% HCl at 5 BPM. Return well to GL initially recovering 400 MCFD and 350 BWPD Atoka production negligible as of 4/96 due to GLV open near surface cycling gas only.
5/1997	POOH bkg, repaired GLV's. Atoka returned to production at 304 MCFD
10/20/2004	Citation submits proposal to recomple Atoka and Morrow
1/2005	Commence operations w/ PU. Atoka producing ~ 10 MCFD POOH w/ bkg and GLV's, bkg parted with top of fish at 7,740'. 35 day fishing job. Sq'd egg leaks from 6,544'-6,577' Spent 20 more days fishing Pushed all lost tools in hole to 13,070', sq'd Atoka "C" from 12,862'-12,865' Ran TCP guns and performed: Morrow "A" and "B" perf from 12,945'-13,055', 45 shots OA Swab Morrow "A" and "B" perf. fluid entry scattered and less than 10 BWPD Set packers to straddle Atoka perf. Producing from Morrow A & B only.
3/29/2005	Surface build-up to 520 psi after 791 hrs. opened well to tank. pressure bled to 0 in 12 minutes Left well open to tank, started flowing ~ 3 MCFD
6/9/2005	RU swab unit, recovered 34 BW w/ IFL = 6,300' and FFL = 11,500' RD swab unit Flow well to tank at 3 MCFD at 30 psi FTP
6/16/2005	RU CTU and treated Morrow perf w/ 2,500 gal of ClaySafe and 16 tons of CO2 Making 6 MCFD and 0 BWPD.
6/28/2005	Dropped from report. Well making no gas.
4/17/2007	Commence operations to TA well. Pull existing tubing & pkr. Set CIBP's as shown.
4/21/2007	Perform MIT.



BOLD ENERGY, LP

Antelope Ridge Unit #6

WT: 50.0%
 Elevation: 3,499
 KB: 26'
 Meas. T.D.: 13,758'
 TVD: 13,758'
 FBD: 13,130'
 Zone: Morrow

NRL: 42.5%

APL: 30-025-26791

Surface Location: 1980' FNL & 1980' FEL

Legal Description: Section 3 - T24S - R34E

Field: Antelope Ridge

County: Lea County

State: New Mexico

Casing	Hole	Weight	Grade	Depth	Burst	80% Burst	TOC
Conductor -	(no record of conductor casing in well file)						
16"	20"	65#	H-40	450'	1,640	1,312	Surface (circ.)
10-3/4"	14-3/4"	40.5#	K-55	2,700'	3,130	2,504	Surface (circ.)
10-3/4"	14-3/4"	40.5#	S-80	3,800'	4,560	3,648	Surface (circ.)
10-3/4"	14-3/4"	45.5#	S-80	5,180'	5,210	4,168	Surface (circ.)
7-5/8"	9-1/2"	33.7#	P-110	11,990'	10,860	8,688	7,000' (encl)
5-1/2"	6-1/2"	23#	N-80	13,665'	10,560	8,448	TOC

Date	Event
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8/17/1979	TD at 13,758'
9/19/1979	RHH set pkr at 13,100' Perforated gross Morrow w/ 2" OD thru the guns and no breakdown Morrow "C": 13,216', -217', -218', -233', -234', -235', -316', -317' (8 shots) Morrow "D": 13,382', -383', -406', -407', -409', -410', -414', -415', -416', -434', -633', -643' (12 shots) Pressure came up to 2,100 psi after perforation. Open to pit on 32/64" choke SITP = 5,160 psi (translates to 6,838 psi assuming gas gradient). No stimulation reported Tested at 5,500 MCFD thru 48/64" choke. FTP 750 psi (Did not perf Morrow "A" 12,960' - 12,976') CAOP = 7,000 MCFD
10/2/1979	RHH w/ spinner. Determine that 90% gas from 13,406'-13,416', and 10% gas from 13,316'-13,320' RHH set Link-Set pkr at 12,014' to dual Morrow & Atoka Perforated Atoka w. 2" OD de-centralized guns. Atoka "C": 12,401', -402', -417', -418', -419', -490', -491', -495', -496', -497' (10 shots) Atoka "D": 12,508', -509', -510', -512', -514', -516', -518', -564', -565', -566', -610', -611', -612' (13 shots) Atoka "E": 12,640', -642', -645', -647', -652', -654', -687', -688', -689' (9 shots) Atoka "F": 12,772', -774', -776', -778', -779', -792', -793', -794', -796', -798', -799', -801', -802' (13 shots) Overall Atoka = 51 shots over 401 ft gross interval. Pressure came up to 4,500 psi after perforation. Open well to pit, bled to 50 psi and 25 BW Tested at 500 MCFD at 100 psi FTP, 32/64" choke.
11/2/1979	Acidized w/ 10,000 gal 15% MSR and N2 at 3.5 BPM Tested at 1,800 MCFD at 300 psi FTP, 48/64" choke with 130 BCPD and 60 BWPD RHH spinner determine majority of gas from 12,417'-12,419'.
12/14/1979	Ran dual string completion with blast js across Atoka. (Atoka initial BHP = 7,683 psi) Left Morrow SI and produced Atoka with initial rate of 1,100 MCFD at 700 psi FTP Lost wireline tool strings resulting in Atoka production problems. Performed PRU analysis indicated positive skin of 46 determined by Shell
8/4/1980	Begin W/O to open Morrow to production SS in LT collapsed and filled. Killed well with 14.5# CaBr2. POOH with LT RHH LT and dual pkr. Dual pkr leaking
9/18/1980	Flood Morrow at 5,800 MCFD, 150 BCPD, 10 BWPD. CP dropped from 2,100 psi to 1,500 psi Killed well with 12.4" CaBr2 water. POOH with LT and dual pkr.
10/6/1980	Finished W/O efforts to dual Morrow and Atoka
12/7/1980	Morrow died. RU swab unit. IFL at 2,900' well KO after 2 week runs
2/21/1990	Begin W/O to remove dual string and place well on PLGR lift. Sand line parted while swabbing to recover fluid. Started fishing operations RHH pkr set at 12,885' (below Atoka perf) Swabbed Morrow recovered fluid. RHH pkr set at 13,354' (below Morrow "C") Swabbed Morrow "D" Recovered fluid from Morrow "D" with a gas blow. (Morrow "D" downed by CaBr2 water) Straddled Morrow from 13,406' - 416'. Acidized with 1,000 gal Acetic. Swabbed w/ gas shovs. RU HES frac Morrow "D" (13,406' - 416') with HB Alcolac; 37,100 lbs 20-40 Norton ISP Well cleaned up to 100 MCFD, 105 psi FTP
7/21/1990	Ran BHP survey. FTP = 190 psi, BHP = 1,820 psi mid perf. 0.306 psi/ft gradient Morrow put on production with Atoka behind pkr By July 1993 well cum'd 2.50 BCF, 34.3 MBO, and 62.2 MBW
7/23/1993	POOH w/ thg and pkr. RHH w/ CIBP set at 13,150'. Left multiple W/L fish on top of CIBP RHH w/ tool suite (temp, press, gradiometer, and diverter flowmeter). FLV/- 3,500'. SIBHP = 5,840 psi. Open to tank on 13/64". Gas from 12,400'-518". No flow below 12,518'
8/25/1993	RHH CIBP set at 12,545' w/ 1 sk cmt over Atoka "E" & "F", new PBTD = 12,535'
9/1/1993	ND BOP, NU tree, Swab Upper Atoka recovering fluid and small volume of gas Produced Atoka "C" and "D" lobes until June-94
6/21/1994	POOH w/ thg. DO CIBP at 12,515'
8/9/1994	Pkr set at 12,298 RHH w/ thg and GLV's. Place Atoka on GL recovering 150 BW/200 net MCFD RU Basin Acidizing. Acidize Atoka w. 4,000 gal of 15% HCL at 5 BPM. Return well to GL initially recovering 400 MCFD and 350 BWPD Atoka production negligible as of 4/96 due to GLV open near surface cycling gas only.
5/1997	POOH thg, repaired GLV's. Atoka returned to production at 364 MCFD
10/20/2004	Citation submits proposal to recomplete Atoka and Morrow
1/2005	Commence operations w/ PU. Atoka producing ~ 10 MCFD POOH w/ thg and GLV's, thg parted vch top of fish at 7,740'. 35 day fishing job. Sq'd cgl lens from 6,544'-6,577' Spent 20 more days fishing Pushed all lost tools in hole to 13,070', sq'd Atoka "C" from 12,862'-12,865" Ran TCP guns and perforated: Morrow "A" and "B" perfs from 12,945'-13,055', 45 shots OA Swab Morrow "A" and "B" perfs. fluid entry scattered and less than 10 BWPD
3/29/2005	Set packers to straddle Atoka perfs. Producing from Morrow A & B only.
4/6/2005	Surface build-up to 520 psi after 791 hrs. opened well to tank, pressure bled to 0 in 12 minutes
6/9/2005	Left well open to tank, started flowing ~ 3 MCFD
6/16/2005	RU swab unit, recovered 34 BW w/ IFL = 6,300' and FFL = 11,500' RD swab unit Flwg well to tank at 3 MCFD at 30 psi FTP RU C/U and treated Morrow perfs w/ 2,500 gal of ClaySafe and 16 tons of CO2 Making 6 MCFD and 0 BWPD.
6/28/2005	Dropped from reports. Well making no gas.
4/17/2007	Commence operations to TA well. Full existing tubing & pkr. Set CIBP's as shown.
4/21/2007	Perform MIT.

BOLD ENERGY, LP

Antelope Ridge Unit #6
1980' FNL & 1980' FEL, Sec 3-T24S-R34E
Antelope Ridge Field
Lea County, New Mexico

See Attached Wellbore Schematic

Well Status: Drilled in 1979 and completed as a Morrow / Atoka dual. Well was TA'd by Bold Energy in April of 2007 with a CIBP set at 6,444' in the 7-5-8" casing due to lack of production.

Scope: Perform squeeze cement work above Delaware interval to isolate for SWD injection. Perforate and stimulate Delaware intervals. Perform state injection test. Lay line to ARU facility and begin injection.

Directions: From Eunice, NM go south to Delaware Basin Road. Go approximately 22 miles West to Antelope Road. Turn South and go approximately 4 miles to Shell road. Continue south past CG to the first lease road on right and follow to location.

PROCEDURE TO CONVERT TO SWD IN DELAWARE FORMATION

1. Procure the following prior to beginning workover:
 - o Baker 7-5/8" retrievable packer w/ L316 o/o tool and stainless 2.313" profile nickel plated and plastic coated ID.
 - o 2-7/8" 6.5# J-55 Internally Coated (TK70) Tubing
2. Clear location and install or test rig anchors as required.
3. All fluids used will be contained in steel pits or test tanks. Avoid any spills. Immediately report all spills to Donny Money at 432-661-8803.
4. MIT performed on 4/21/07.
5. MIRU pulling unit, reverse unit and steel pit.
6. ND WH. NU 5K psi BOP.
7. Test casing to 5,000 psi.
8. Move in +/- 6,500 ft of 2-7/8" 6.5# L80 work string from Bold Energy stock.
9. MIRU **Gray Wireline** WL unit with lubricator and packoff. RIH with 3-1/8" casing guns and perforate squeeze holes from 5,345' – 5,350' 4 spf 20 holes 0.42" EHD.
10. POOH with guns and STBY WL unit.
11. MIRU **Schlumberger** squeeze cement crew including 500 gallons of 7-1/2% HCL acid, 10 bbls CW7 and 200 sks Class C + 1% D174 + 0.15% D167 + 0.5% D65 + 0.2% D46. See attached Schlumberger squeeze procedure.
12. Establish circulation by pumping down 7-5/8" casing and taking returns up 7-5/8" x 10-3/4" annulus.

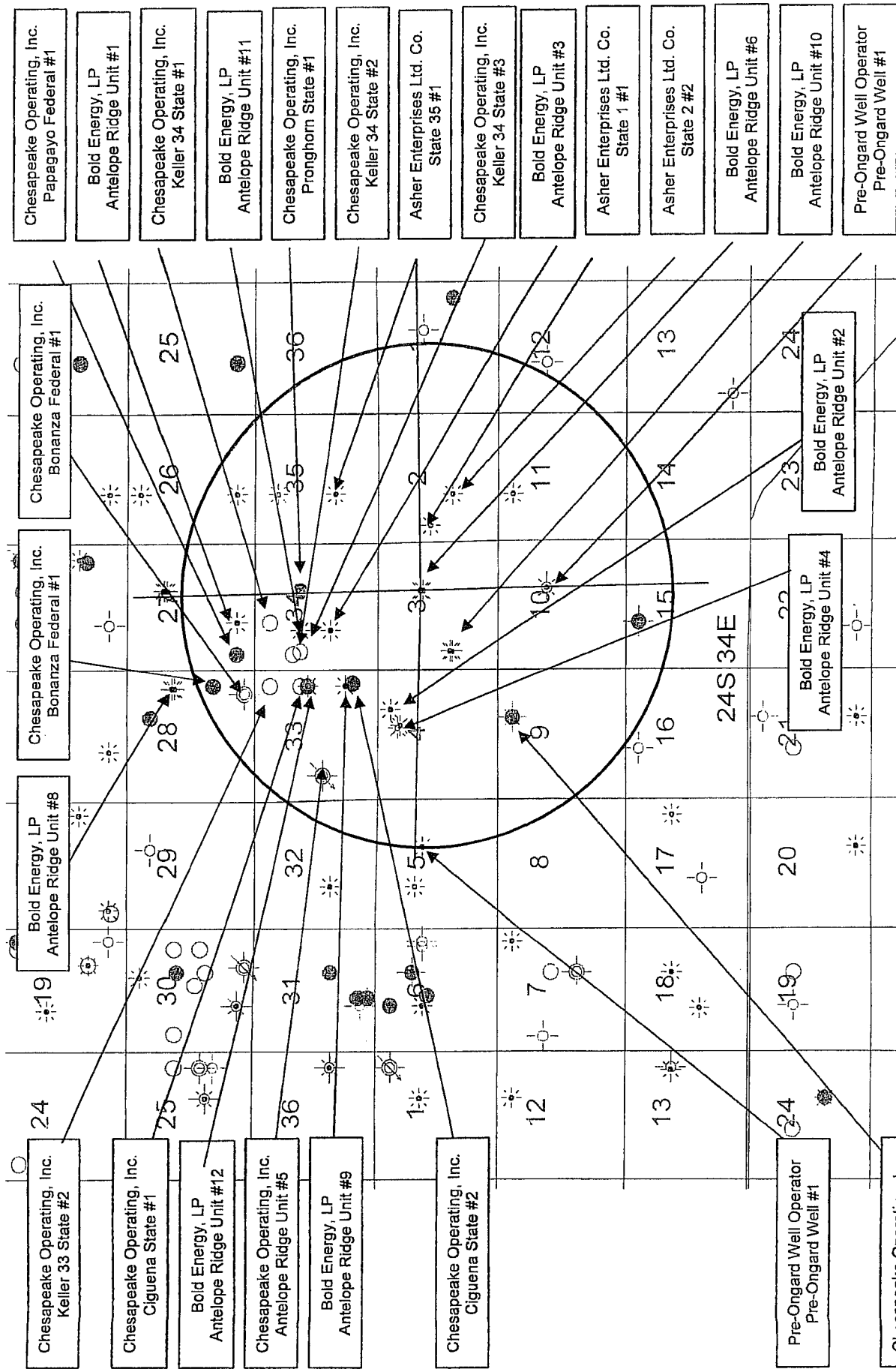
13. RIH with cement retainer on 2-7/8" tubing. Set retainer at 5,325'.
 14. Establish injection rate down tubing using fresh water. If an acceptable injection rate is not achieved, sting out of retainer, circulate acid to EOT, sting into retainer, displace acid and establish new injection rate while taking returns up 7-5/8" x 10-3/4" annulus.
 15. Once acceptable injection is established, pump 10 bbls FW and 10 bbls CW7 Chemical Wash ahead.
 16. Mix up and pump cement slurry – 200 sks Class C at 14.8 ppg (30.8 bbls) per SLB recommendation.
 17. Displace one bbl short of EOT with fresh water at 3 – 5 bpm.
 18. Sting out of the retainer and reverse out to completely clear the tubing string.
 19. POOH with tubing.
 20. The following morning RIH with bit on 2-7/8" tubing to drillout the squeeze cement and retainer. Clean out to CIBP at 6,444'. Circulate hole to fresh water. Test squeeze to 500 psi.
 21. RU **Gray Wireline** WL unit and run CBL from PBTB to TOC.
 22. Contact engineering with results of CBL. If cement squeeze work has provided sufficient isolation above injection zone, release pulling unit and prepare to perforate.
- NOTE: if isolation is not sufficient (minimum of 100' above and below 10-3/4" shoe) additional squeeze work will be required.
23. RU **Gray Wireline** WL unit, lubricator and packoff. Correlate to Schlumberger Borehole Compensated Sonic Log dated 6-24-79. Perforate Delaware as follows with Expendable Casing Guns loaded 6 spf, 120° phasing with 38 gm charges (or equivalent) to achieve a minimum 0.50" EHD and 10" formation penetration in 7-5/8" casing.

Delaware Perforation Schedule								
1	5227	to	5232	6 spf	120° Phasing	30 Shots	over	5 feet
2	5245	to	5250	6 spf	120° Phasing	30 Shots	over	5 feet
3	5259	to	5264	6 spf	120° Phasing	30 Shots	over	5 feet
4	5279	to	5289	6 spf	120° Phasing	60 Shots	over	10 feet
5	5308	to	5318	6 spf	120° Phasing	60 Shots	over	10 feet
6	5640	to	5645	6 spf	120° Phasing	30 Shots	over	5 feet
7	5672	to	5682	6 spf	120° Phasing	60 Shots	over	10 feet
8	5714	to	5724	6 spf	120° Phasing	60 Shots	over	10 feet
9	5737	to	5747	6 spf	120° Phasing	60 Shots	over	10 feet
10	5780	to	5785	6 spf	120° Phasing	30 Shots	over	5 feet
11	5805	to	5810	6 spf	120° Phasing	30 Shots	over	5 feet
12	5837	to	5842	6 spf	120° Phasing	30 Shots	over	5 feet
13	5986	to	5996	6 spf	120° Phasing	60 Shots	over	10 feet
14	6042	to	6052	6 spf	120° Phasing	60 Shots	over	10 feet
15	6071	to	6076	6 spf	120° Phasing	30 Shots	over	5 feet
16	6086	to	6091	6 spf	120° Phasing	30 Shots	over	5 feet
17	6113	to	6118	6 spf	120° Phasing	30 Shots	over	5 feet
18	6148	to	6158	6 spf	120° Phasing	60 Shots	over	10 feet
19	6232	to	6242	6 spf	120° Phasing	60 Shots	over	10 feet
20	6280	to	6290	6 spf	120° Phasing	60 Shots	over	10 feet
Total						900 Shots		150 feet

24. RDMO WL unit.
25. ND BOPE. NU 5K psi frac valve.
26. Spot 1 frac tank with fresh water. Spot 1 lined frac tank and have **Weatherford** load with 15,000 gallons 15% HCL acid + 2 gpt surfactant + 1 gpt friction reducer + corrosion inhibitor for 130° F.
27. RU **Weatherford** acid equipment including computer monitoring equipment and HHP capable of achieving 30 bpm at 4,000 psi. Pressure test lines to 5,000 psi. Pump all 357 bbls of 15% HCL acid at 30 bpm (or maximum rate below 5,000 psi). Displace acid with exactly 400 bbls of fresh water (includes over-displacement volume). RDMO breakdown equipment.
28. Download pressure and rate data in 1-second intervals from all three treatments and e-mail to shannon.klier@boldenergy.com.
29. ND frac valve. NU BOPE.
30. TIH w/ 2-7/8" work string and SN to 5,200'. Commence swabbing to recover load. Once load + 100 bbls has been produced, obtain water samples for analysis.
31. POOH laying down work string.
32. PU and TIH with Nickel Plated Baker Retrievable Packer with Plastic Coated ID w/ L316 o/o tool and Stainless 2.313" profile on 2-7/8" 6.5# Internally Coated J-55 tubing.
33. Set packer at 5,200'. Release from o/o tool and circulate in packer fluid. Space out for 12K lbs compression and latch on to o/o tool. NU 5K psi wellhead.
34. Leave well shut in overnight.
35. RU **ProWireline** slickline unit. RIH with tandem pressure gauges to mid perf at 5,733'. Leave gauges on bottom for 1 hour. Pull gauge and download data. Email pressure data to shannon.klier@boldenergy.com.
36. MIRU 2 transports each containing 120 bbls of ARU lease production water and **Weatherford** pump truck and computer van for performing step rate injection test. Pump truck must be capable of maintaining rates from 0.25 to 3.0 bpm.
37. Perform injection test per the following schedule:

Injection Test						
	Rate (bpm)	Time (min)	Cumm. Time (min)	Volume (bbls)	Cumm. Vol (bbls)	Equivalent Rate (bpd)
Load Tubing	5.00	6	6	30.0	30	
Step Up 1	0.25	5	11	1.3	31	360
Step Up 2	0.50	5	16	2.5	34	720
Step Up 3	1.00	5	21	5.0	39	1440
Step Up 4	1.50	5	26	7.5	46	2160
Step Up 5	2.00	5	31	10.0	56	2880
Step Up 6	2.50	5	36	12.5	69	3600
Step Up 7	3.00	5	41	15.0	84	4320
Step Down 1	2.50	5	46	12.5	96	3600
Step Down 2	2.00	5	51	10.0	106	2880
Step Down 3	1.50	5	56	7.5	114	2160
Step Down 4	1.00	5	61	5.0	119	1440
Step Down 5	0.50	5	66	2.5	121	720
Step Down 6	0.25	5	71	1.3	123	360

38. Download pressure and rate data in 1-second intervals and e-mail to shannon.klier@boldenergy.com.
39. RDMO pump truck and transports.
40. Contact NMOCD and perform packer leakage test. Send NMOCD signed pressure chart to Midland office.
41. Turn well over to Donny Money for installation of flowline.



Item V (Form C-108) 2 mile radius of
proposed injection well

C108 – Item VII (4)

Water Analysis

The following analysis is calculated using the following water analyses in the indicated proportions:

Analysis #	Percent	Field	Lease	Well #
8380	5		Curry Federal #2	
8382	95		Bold Energy ARU #11	



THE GAS ENHANCEMENT COMPANY

DISSOLVED SOLIDS

CATIONS	mg/l	meq/l
Sodium, Na (calc)	18,153.05	789.26
Calcium, Ca	2,360.00	117.41
Magnesium, Mg	1,215.00	99.59
Barium, Ba	16.79	0.24
Iron, Fe	0.00	0.00

ANIONS	mg/l	meq/l
Hydroxyl, OH	0.00	0.00
Carbonate, CO ₃	0.00	0.00
Bicarbonate, HCO ₃	197.64	3.23
Sulfate, SO ₄	592.00	12.14
Chloride, Cl	31,650.00	891.55
Sulfide, S	0.00	0.00

OTHER PROPERTIES

pH	6.8
Specific Gravity	1.0406
Dissolved Oxygen, (mg/l)	0.00
Dissolved Carbon Dioxide	109.41
Sulfide as H ₂ S, (ppm)	7.75

Total Dissolved Solids (mg/l)	54,184.48
Total Ionic Strength	1.07
Maximum CaSO ₄ , (calc.)	852
Maximum BaSO ₄ , (calc.)	29

	mg/l	meq/l
Total Hardness	10,850.00	217.00

Multi-Chem Scale Trak

ESTIMATED MINERAL CONTENT AT SAMPLE TEMPERATURE

	meq/l	mg/l	lbs/kbbbl
CaCO ₃	0.00	0	0
CaSO ₄	12.52	852	299
BaSO ₄	0.25	29	10

Note:

Since scale forming molecules can exist in solution, refer to the CaCO₃ saturation index for CaCO₃, or the solubilities for CaSO₄ and BaSO₄, and compare with the calculated amounts above to determine if precipitated scale may be possible.

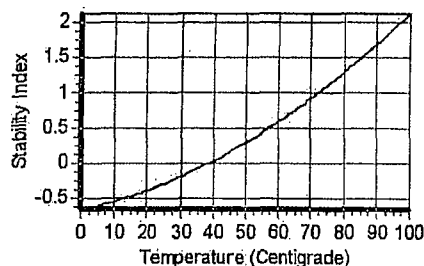
Conclusion:

Calcium Carbonate scaling index is positive above 39 degrees Centigrade.
Calcium Sulfate scale is indicated above 87 degrees Centigrade.
Barium Sulfate scale is indicated at all temperatures.

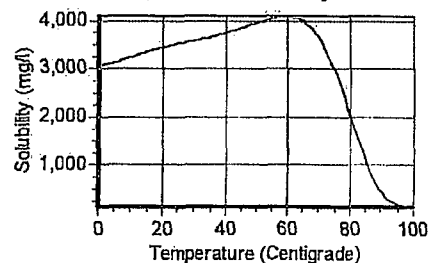
Remarks:

Scaling Indices vs. Temperature

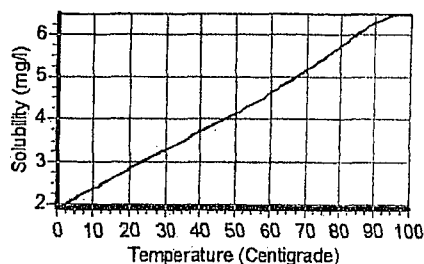
Calcium Carbonate Saturation Index



Calcium Sulfate Solubility



Barium Sulfate Solubility



Item # VII 5 (Form C-108)
Disposal Zone (Delaware) Formation Water Analysis

Water Samples for Well BELL LAKE UNIT 002

API = 3002508489

Formation = DEL

Field = SWD

Current Water Production Information

Instructions:

Click 

Click 

Click 

Click 

Click 

Click 

For general information about this sample.

For scale calculation pages (SHF-Devis or Oddo Tomson methods).

To select this water sample for water mixing, it will lead to the main page, and add the sample ID to the mixing table.

Click the hyperlinked sample number to make a .csv for that sample, or select several check boxes and click Submit for multiple samples.

The ions are in (mg/L) units.

Section 30 T23S R34E
660' FSL and 3300' FEL

Sample ID	T	R	S	SO4	CL	CO3	HCO3	K	Na	Ca	Mg
4296				23S	34E	30	529	32200	null	451	null

☐ SELECT/DESELECT ALL

Water Samples for Well BELL LAKE UNIT 007

API = 3002508367

Formation = DEL

Field = SWD

Current Water Production Information

Instructions:

Click 

Click 

Click 

Click 

Click 

Click 

For general information about this sample.

For scale calculation pages (SHF-Devis or Oddo Tomson methods).

To select this water sample for water mixing, it will lead to the main page, and add the sample ID to the mixing table.

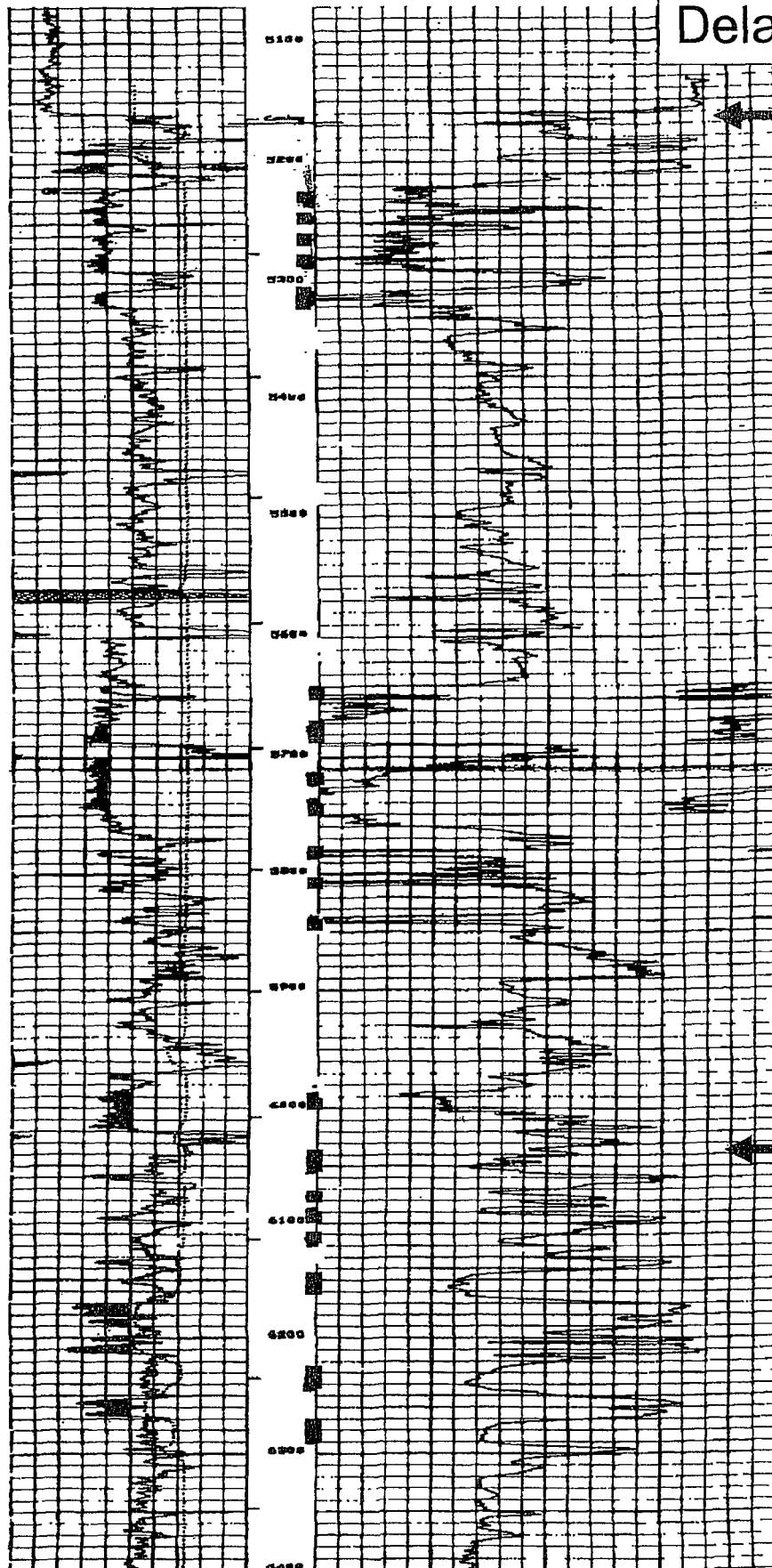
Click the hyperlinked sample number to make a .csv for that sample, or select several check boxes and click Submit for multiple samples.

The ions are in (mg/L) units.

Section 1 T24S R33E
660' FNL and 660' FEL

Sample ID	T	R	S	SO4	CL	CO3	HCO3	K	Na	Ca	Mg
4347				24S	33E	01	749	53920	null	391	null

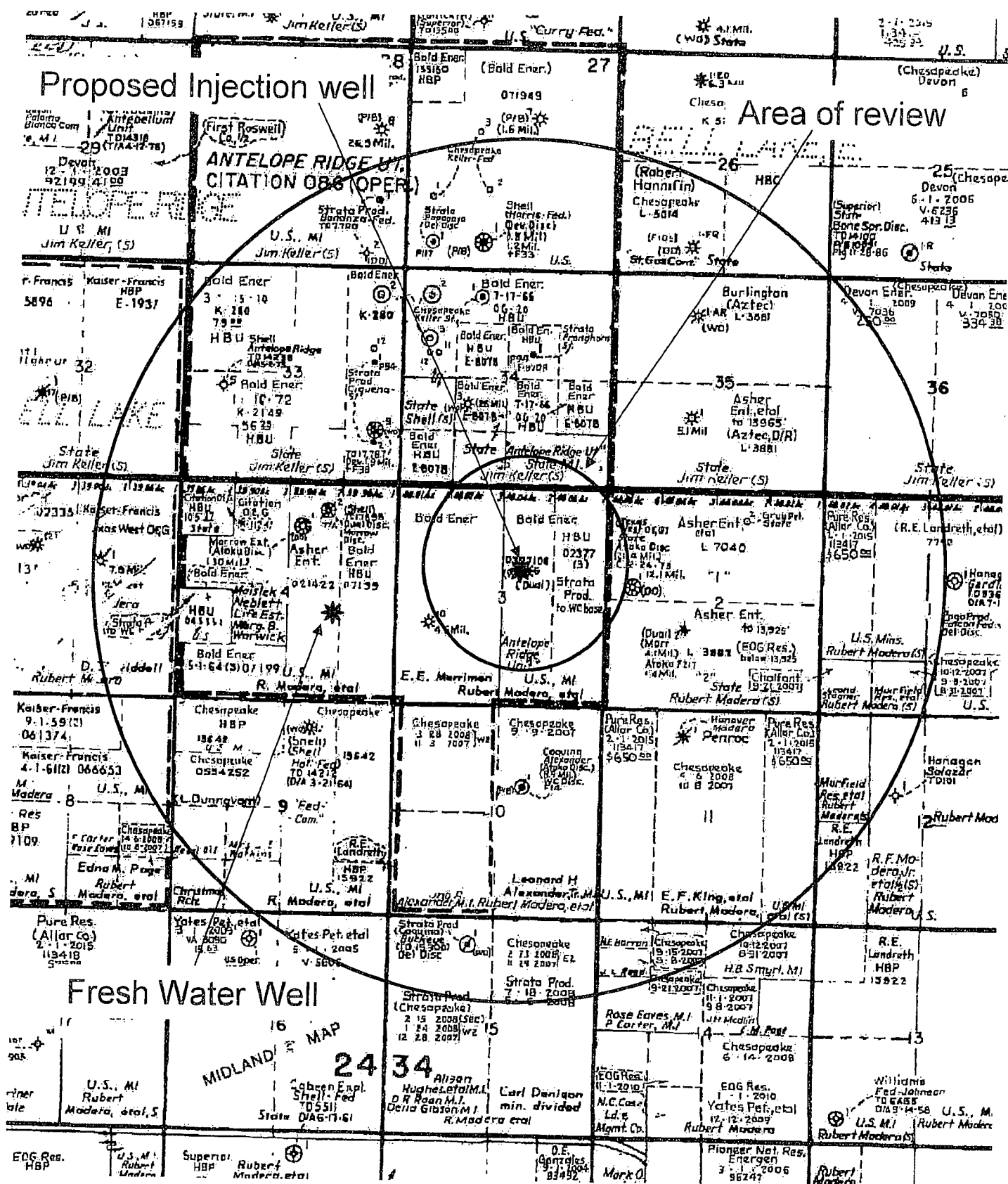
☐ SELECT/DESELECT ALL



Delaware Group Tops

Bell Canyon

Cherry Canyon



C108 - Item XI

Sep 15 06 03:09p

SUE HEADY

505-394-0056

P.2

09/15/2006 FRI 13:33 FAX 1 432 687 2607 OMEGA TREATING CHEMICALS --- JOHN

001/002

DATE: 9/13/2006

OMEGA TREATING CHEMICALS, INC.
2605 GARDEN CITY HWY.
MIDLAND, TEXAS 79701

WATER ANALYSIS REPORT

COMPANY NAME: BOLD ENERGY

LEASE NAME: MADERA FRESH WATER STA

WELL#\SAMPLE POINT: #1

1. WELLHEAD pH	6.98
2. H2S (QUALITATIVE)	0.00 PPM
3. CALCIUM (Ca)	160.00 Mg/L
4. MAGNESIUM (Mg)	24.30 Mg/L
5. IRON (Fe)	0.05 PPM
6. SODIUM	-39.67 Mg/L
7. CHLORIDE (Cl)	177.50 Mg/L
8. BICARBONATE (HCO3)	195.20 Mg/L
9. SULFATE (SO4)	3.2 Mg/L
10. TOTAL HARDNESS	500.00 Mg/L
11. TOTAL DISSOLVED SOLIDS	520.59 Mg/L
12. RESISTIVITY	9.35
13. CARBONATE SCALING TENDENCY	0.04
14. SULFATE SCALING TENDENCY	-21.18

BOPD

BWPD

REMARKS:

COPIES TO: JOHN NOGELMEIER, BILLY HOBBS

C108 - Item XI

Sep 15 06 03:09p SUE HEADY 505-394-0056
09/15/2006 FRI 13:33 FAX 1 432 687 2607 OMEGA TREATING CHEMICALS --- JOHN

P.2

001/002

DATE: 9/13/2006

OMEGA TREATING CHEMICALS, INC.
2605 GARDEN CITY HW.
MIDLAND, TEXAS 79701

WATER ANALYSIS REPORT

COMPANY NAME: HOLD ENERGY

LEASE NAME: MADERA FRESH WATER STA

WELL#\SAMPLE POINT: #1

1. WELLHEAD pH	6.98
2. H2S (QUALITATIVE)	0.00 PPM
3. CALCIUM (Ca)	160.00 Mg/L
4. MAGNESIUM (Mg)	24.30 Mg/L
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BOPD

BWPD

REMARKS:

COPIES TO: JOHN NOGELMEIER, BILLY HOBBS

ARU #6 - Surrounding Leasehold Operators

Operator	Address	Contact / Name	e-mail	Phone #
1/2 Mile Radius				
Chesapeake Operating	6100 N. Western Ave., City, OK 73154-0496	Jarvis A. Hensley, District Mgr. Permian	jhensley@chkenergy.com	405 848 8000

2 Mile Radius				
Chesapeake Operating, Inc.	6100 N. Western Ave., Oklahoma City, OK 73154-0496	Jarvis A. Hensley, District Mgr. Permian	jhensley@chkenergy.com	405 848 8000
Asher Enterprises, Ltd. Co.	1903 Savannah Drive, Artesia, NM 88210	Kevin Jones		
Cimarex Energy Company	508 W. Wall, Suite 600, Midland, TX 79701	Jeff Gotcher	jgotcher@cimarex.com	432 571 7823
Burlington Resources Oil and Gas Company	P.O. Box 51810, Midland, TX 79710-1810	Steve Burke	sburke@br-inc.com	432 688 6038
Concho Resources	550 W. Texas, Suite 1300, Midland, TX 79701	Robert Ready	rready@conchoresources.com	432 685 4345
Allar Company	P.O. Box 1567, Graham, TX 76450	Jack Graham	allar@allarcompany.com	940 549 0077
BLM	P.O. Box 27115, Santa Fe, NM 87502-0115	Linda Rundell		505 438-7502
State of NM	P.O. Box 1148 Santa Fe, NM 87504-1148	Patrick H. Lyons		505 827 5760
Chevron U.S.A. Inc.	15 Smith Rd., Midland, TX 79705	Denise Beckham	dkbe@chevrontexaco.com	432 687 7235
Kaiser Francis	P.O. Box 21468, Tulsa, OK	Wayne Fields	WayneF@kfoc.net	918 494 0000



3106 N. Big Spring St. Ste. 101
Midland, TX 79705
Tel: (432) 685-9158

August 22, 2007

Lovington Daily Leader
P.O. box 1717
Lovington, NM 88260-1717

RE: Legal Publications

Enclosed herewith please find Legal Notice to be published (1) time only in your newspaper at the earliest possible date.

Please forward an Affidavit of Publication along with your invoice to:

Gray Surface Specialties
ATTN: Dwaine Moore
3106 North Big Spring St. Ste. 100
Midland, TX 79705

Should you have any questions regarding this matter please contact this office. Thank you for your cooperation.

Sincerely,

Dwaine Moore
Gray Surface Specialties,
432-685-9158

7005 0390 0002 9888 6816

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PS Form 3800, June 2002 See Reverse for Instructions



3106 N. Big Spring St. Ste. 1C
Midland, TX 79705
Tel: (432) 685-9158

August 23, 2007

Bureau of Land Management
PO Box 27115
Santa Fe, NM 87502-0115

RE: Antelope Ridge Unit #6
Unit Letter "G", Section 3, T24S, R34E
1980' FNL & 1980' FEL
Lea County, NM

To Whom It May Concern:

In accordance with the Rules and Regulations of the Oil Conservation Division of the State of New Mexico, you are being provided a copy of the C-108 Application for Authorization to Inject into the above captioned well.

Any questions about the permit can be directed to Dwaine Moore at 432-685-9158. Any objections or request for hearing must be filed with the Oil Conservation Division within fifteen (15) days from the date received. The OCD address is 1220 S. Saint Francis Drive, Santa Fe, NM 87504, 505-476-3440.

Sincerely,

Dwaine Moore
Regulatory Specialist
Gray Surface Specialties,
Agent for Bold Energy, LP
432-685-9158

U.S. Postal Service	
CERTIFIED MAIL RECEIPT	
(Domestic Mail Only. No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$.97
Certified Fee	2.65
Return Receipt Fee (Endorsement Required)	2.15
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.77
Postmark Here	
Sent To: BLM	
Street, Apt. No., or PO Box No. P.O. Box 27115	
City, State, ZIP+4 Santa Fe, NM 87502	
Form 3800, June 2002 See Reverse for Instructions	

0390 0002 9888 6830



3106 N. Big Spring St. Ste. 1C
Midland, TX 79705
Tel: (432) 685-9158

August 23, 2007

Chesapeake Operating
6100 N. Western Ave.,
Oklahoma City, OK 73154-0496

RE: Antelope Ridge Unit #6
Unit Letter "G", Section 3, T24S, R34E
1980' FNL & 1980' FEL
Lea County, NM

To Whom It May Concern:

In accordance with the Rules and Regulations of the Oil Conservation Division of the State of New Mexico, you are being provided a copy of the C-108 Application for Authorization to Inject into the above captioned well.

Any questions about the permit can be directed to Dwaine Moore at 432-685-9158. Any objections or request for hearing must be filed with the Oil Conservation Division within fifteen (15) days from the date received. The OCD address is 1220 S. Saint Francis Drive, Santa Fe, NM 87504, 505-476-3440.

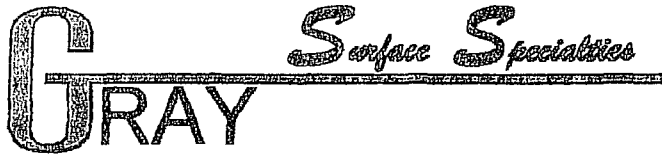
Sincerely,

Dwaine Moore
Regulatory Specialist
Gray Surface Specialties,
Agent for Bold Energy, LP
432-685-9158

7005 0390 0002 9888 6847

U.S. Postal Service	
CERTIFIED MAIL RECEIPT	
(Domestic Mail Only, No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL USE	
Postage	\$.97
Certified Fee	2.65
Return Receipt Fee (Endorsement Required)	2.15
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.77
Postmark Here	
Sent To: Chesapeake Operating	
Street, Apt. No., or PO Box No. 6100 N. Western Ave	
City, State, ZIP+4 Oklahoma City, OK 73154	

PS Form 3800, June 2002



3106 N. Big Spring St. Ste. 10
Midland, TX 79705
Tel: (432) 685-9158

August 23, 2007

Rubert Madera Trust
c/o Bert madders
Box 1224
Jal, NM 88252

RE: Antelope Ridge Unit #6
Unit Letter "G", Section 3, T24S, R34E
1980' FNL & 1980' FEL
Lea County, NM

To Whom It May Concern:

In accordance with the Rules and Regulations of the Oil Conservation Division of the State of New Mexico, you are being provided a copy of the C-108 Application for Authorization to Inject into the above captioned well.

Any questions about the permit can be directed to Dwaine Moore at 432-685-9158. Any objections or request for hearing must be filed with the Oil Conservation Division within fifteen (15) days from the date received. The OCD address is 1220 S. Saint Francis Drive, Santa Fe, NM 87504, 505-476-3440.

Sincerely,

Dwaine Moore
Regulatory Specialist
Gray Surface Specialties,
Agent for Bold Energy, LP
432-685-9158

7005 0390 0002 988 6823

U.S. Postal Service	
CERTIFIED MAIL RECEIPT	
(Domestic Mail Only. No Insurance Coverage Provided)	
For delivery information visit our website at www.usps.com	
OFFICIAL US	
Postage	\$.97
Certified Fee	2.65
Return Receipt Fee (Endorsement Required)	2.15
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$5.77
Postmark Here	
Sent To: Rubert Madera Trust	
Street, Apt. No., or PO Box No. Box 1224	
City, State, ZIP+4 Jal, NM 88250	

**SURFACE OWNER, GRAZING LEASSEE, LEASE OWNER
AND OFFSET OPERATORS**

Antelope Ridge Unit No. 4
1980' FNL & 1980' FEL
Unit Letter "G", Section 3, T24S, R34E
Lea County, NM

Surface Owner of Well Site

Rubert Madera Trust
c/o Bert Madera
130 Madera Road
Jal, NM 88251

Mineral Owner, Ditches, and Canals

Bureau of Land Management
1474 E. Rodeo Road
Santa Fe, NM 87505

Operators of Record

Cheaspeake Operating
6100 N. Western Ave.
Oklahoma City, OK 73154-0496

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**IN THE MATTER OF THE APPLICATION OF
BOLD ENERGY, LP FOR OF A SALT WATER
DISPOSAL WELL, LEA COUNTY, NEW MEXICO**

CASE NO. 14039

WITHDRAWAL OF OBJECTION

BERT MADERA, MONTIE CAROL MADERA, and MADERA FAMILY
TRUST B, by and through their counsel of record, Ernest L. Padilla, PADILLA LAW
FIRM, P.A. hereby withdraw their objection in the above-captioned and number case.

Respectfully submitted:

PADILLA LAW FIRM, P.A.

By: 

Ernest L. Padilla

P.O. Box 2523

Santa Fe, New Mexico 87504

(505) 988-7577

FAX: 988-7592

CERTIFICATE OF SERVICE

I hereby certify that I caused a copy of the foregoing Withdrawal of Objection to be sent by facsimile at 505-982-2151 and U.S. Postal Service to James G. Bruce, Esq., P.O. Box 1056, Santa Fe, NM 87504-1056 on this 11th day of December, 2007.

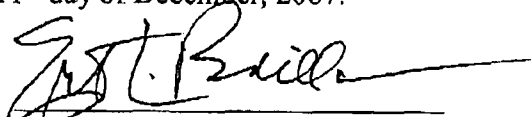
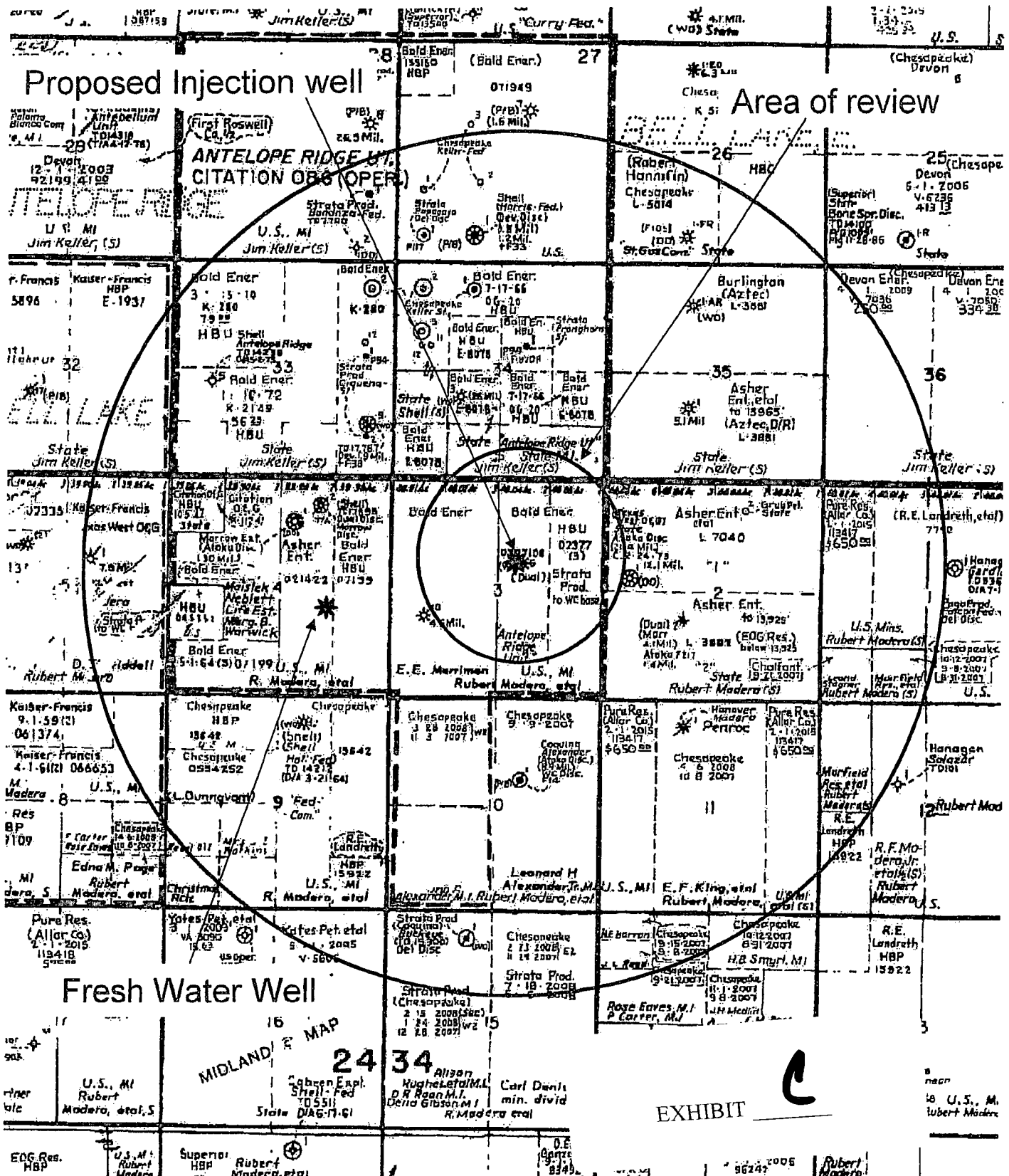

ERNEST L. PADILLA

EXHIBIT B

Antelope Ridge Unit #6 – ½ mile and 2 mile radius



BOLD ENERGY, LP

415 W. WALL, SUITE 500
MIDLAND, TEXAS 79701

MAIN: 432-686-1100
FAX: 432-686-1104

September 4, 2007

Mr. Kevin Pfister
Chesapeake Energy Corporation
6100 N. Western Ave.
Oklahoma City, OK 73118-1044

Re: ARU #6 SWD – Waiver for Disposal into Delaware Formation
1980' FNL & 1980' FEL Sec. 3, T24S R34E, Lea County, NM

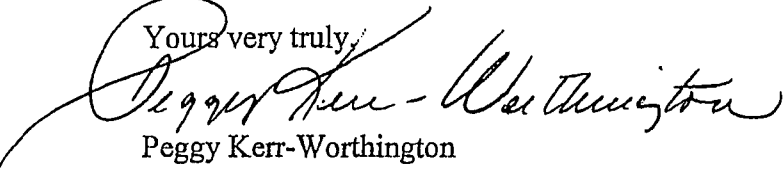
Dear Mr. Pfister:

Bold Energy requests permission from Chesapeake, as leasehold owner in the Delaware Formation, to allow Bold to dispose of sale water into the Delaware Formation within the wellbore of the ARU # 6.

A plat and copy of permit is attached to this letter to assist with Chesapeake's evaluations.

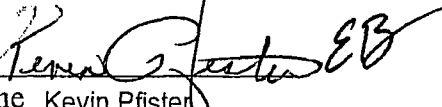
If you agree to not object to Bold's proposal to the conversation of the ARU # 6 to a Salt Water Disposal Well, please sign in the space provided below.

Yours very truly,


Peggy Kerr-Worthington
Land Manager

Chesapeake Energy Corporation agrees to not protest Bold's application for conversation of the ARU # 6 to a SWDW.

Chesapeake Exploration, L.L.C.
an Oklahoma limited liability company

By 
Name Kevin Pfister
Title Land Manager - Permian North

EXHIBIT

D

BOLD ENERGY, LP

415 W. WALL, SUITE 500
MIDLAND, TEXAS 79701

MAIN: 432-686-1100
FAX: 432-686-1104

September 28, 2007

Mr. Jeff Gotcher
Cimarex Energy Co.
508 W. Wall Street, Suite 600
Midland, Texas 79701.

Re: ARU #6 SWD – Waiver for Disposal into Delaware Formation
1980' FNL & 1980' FEL Sec. 3, T24S R34E, Lea County, NM

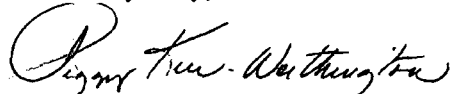
Dear Jeff:

Bold Energy requests permission from Cimarex, as leasehold owner in the Delaware Formation, to allow Bold to dispose of sale water into the Delaware Formation within the wellbore of the ARU # 6.

A plat and copy of permit is attached to this letter to assist with your evaluation. Bold has obtained approval from Chesapeake who is the majority owner in the Delaware. As you can see from the plat, possibly 15 acres crosses into Sec. 2. Since waivers are needed for a 1/2 mile radius notification, Cimarex is affected. I am unsure of the contractual rights Cimarex made with Asher, but I will submit request to Asher as well.

If you agree to not object to Bold's proposal to the conversation of the ARU # 6 to a Salt Water Disposal Well, please sign in the space provided below.

Yours very truly,



Peggy Kerr-Worthington
Land Manager

Cimarex Energy Co. agrees to not protest Bold's application for conversation of the ARU # 6 to a SWDW.

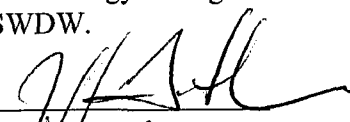
By 
Name JEFF GOTCHER
Title LAND MANAGER

EXHIBIT E

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone)
(505) 660-6612 (Cell)
(505) 982-2151 (Fax)

jamesbruc@aol.com

RECEIVED
2007 DEC 14 PM 1:30

December 11, 2007

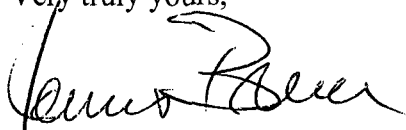
William V. Jones
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Re: Resubmittal of administrative SWD application/Bold Energy LP
Antelope Ridge Unit Well No. 6/SW $\frac{1}{4}$ NE $\frac{1}{4}$ §3-24S-34E

Dear Mr. Jones:

Enclosed with this letter are copies of notice letters (with signed green cards) sent to the BLM. The BLM was originally notified of the administrative application in August, and was re-notified a few days ago.

Very truly yours,



James Bruce

Attorney for Bold Energy LP



3106 N. Big Spring St. Ste. 101
Midland, TX 79705
Tel: (432) 685-9158

August 23, 2007

Bureau of Land Management
PO Box 27115
Santa Fe, NM 87502-0115

RE: Antelope Ridge Unit #6
Unit Letter "G", Section 3, T24S, R34E
1980' FNL & 1980' FEL
Lea County, NM

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only. No Insurance Coverage Provided)
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Postage	\$.97
Certified Fee	2.65
Return Receipt Fee (Endorsement Required)	2.15
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.77

Postmark Here

Sent To: **BLM**
Street, Apt. No., or PO Box No. **P.O. Box 27115**
City, State, ZIP+4 **Santa Fe, NM 87502**

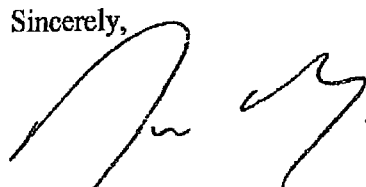
PS Form 3811, February 2004 See Reverse for Instructions

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Any questions about the permit can be directed to Dwaine Moore at 432-685-9158. Any objections or request for hearing must be filed with the Oil Conservation Division within fifteen (15) days from the date received. The OCD address is 1220 S. Saint Francis Drive, Santa Fe, NM 87504, 505-476-3440.

Sincerely,


Dwaine Moore
Regulatory Specialist
Gray Surface Specialties,
Agent for Bold Energy, LP
432-685-9158

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<input checked="" type="checkbox"/> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. <input checked="" type="checkbox"/> Print your name and address on the reverse so that we can return the card to you. <input checked="" type="checkbox"/> Attach this card to the back of the mailpiece, or on the front if space permits.	A. Signature <input checked="" type="checkbox"/> <i>Elaine Laroche</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee B. Received by (Printed Name) C. Date of Delivery
1. Article Addressed to: Bureau of Land Management P.O. Box 27115 Santa Fe, NM 87502 Attn: Linda Rundell	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No
2. Article Number (Transfer from service label)	3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.
	4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes

GRAY

December 6, 2007

Bureau of Land Management
2909 West Second Street
Roswell, NM 88201

RE: Antelope Ridge Unit #6
Unit Letter "G", Section 3, T24S, R34E
1980' FNL & 1980' FEL
Lea County, NM

To Whom It May Concern:

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Sincerely,

Dwaine Moore
Regulatory Specialist
Gray Surface Specialties,
Agent for Bold Energy, LP
432-685-9158

U.S. Postal Service[®]
CERTIFIED MAIL[™] RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)
For delivery information visit our website at www.usps.com
OFFICIAL USE

Postage	\$ 1.14
Certified Fee	2.65
Return Receipt Fee (Endorsement Required)	2.15
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.94

Postmark
Here

3106 N. Big Spring St. Ste. 100
Midland, TX 79705
Tel: (432) 685-9158

Sent To
Bureau of Land Management
Street, Apt. No.,
or PO Box No. 2909 W Second Street
City, State, ZIP+4
Roswell, NM 88201
PS Form 3800, June 2002 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Bureau of Land Management
2909 W. Second Street
Roswell, NM 88201

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

- ☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

12/10/07

- D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

- ☒ Certified Mail ☐ Express Mail
☐ Registered ☒ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number
(Transfer from si)

7006 0810 0000 3502 5001

December 5, 2007

Mr. Kevin Jones

Asher Enterprises

1903 Savannah Dr.

Artesia, NM 88210

Re: ARU #6 SWD – Waiver for Disposal into Delaware Formation

1980' FNL & 1980' FEL Sec. 3, T24S R34E, Lea County, NM

Dear Kevin:

Bold Energy requests permission from Asher, as leasehold owner in the Delaware Formation, to allow Bold to dispose of sale water into the Delaware Formation within the wellbore of the ARU # 6.

A plat and copy of permit is attached to this letter to assist with your evaluation. Bold has obtained approval from Chesapeake who is the majority owner in the Delaware. As you can see from the plat, possibly 15 acres crosses into Sec. 2. Since waivers are needed for a 1/2 mile radius notification, Asher is affected.

If you agree to not object to Bold's proposal to the conversation of the ARU # 6 to a Salt Water Disposal Well, please sign in the space provided below and return by e-mail or fax. My e-mail is peggy.kerr@boldenergy.com and fax number is 432 – 686-1104..

Yours very truly,



Peggy Kerr-Worthington

Land Manager

Asher agrees to not protest Bold's application for conversation of the ARU # 6 to a SWDW.

By Asher Enterprises LTD Co

Name [Signature]

Kevin Jones - Partner

EXHIBIT

F