Case 14039

DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO.
9/5/07		W. Jones	9/7/07	SWD	pTDS0725057853

Cancelled 9/13/07

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.

Print or Type Name _____ Signature _____ Title _____ Date _____

e-mail Address _____

GRAY Surface Specialties

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

September 4, 2007

New Mexico Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico

Attention: David Catanach

RE: **Application for Salt Water Disposal**
Antelope Ridge Unit No. 6
API No. 30-025-26291
Delaware Formation
Unit Letter "G" Section 3 T24S R34E
Lea County, New Mexico

Bold Energy LP respectfully requests administrative approval for the attached C-108 application on its Antelope Ridge Unit No. 4 well for the purpose of disposing produced fluids in the non-commercial Delaware interval. This work will allow Bold Energy LP to supplement the disposal for the Antelope Ridge Unit and dispose of produced water that is anticipated from work to be performed on wells within the unit. The installation of the proposed disposal well will lower the current economic limit on each well and ultimately allow Bold Energy LP to recover additional reserves that would otherwise be left in place.

Please note that the C-108 package is complete except for the return receipt; after all have been received we will forward them on to you. We respectfully requests that this application be approved administratively at the earliest possible time. This is requested so that the necessary operations can be advanced in a prudent manner. Please understand that Gray Surface Specialties is acting as an Agent for Bold Energy LP, if there are any questions please feel free to contact me at 432.685.9158.

Thank you,

Dwaine Moore
Agent for Bold Energy LP.

Attachments

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance __X__ Disposal _____ Storage
Application qualifies for administrative approval? __X__ 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 __X__ 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 previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

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.

Side 1 C108 – Item III

INJECTION WELL DATA SHEET

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

Schematic attached

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'

WELL CONSTRUCTION DATA

Surface Casing

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)

Side 2

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.

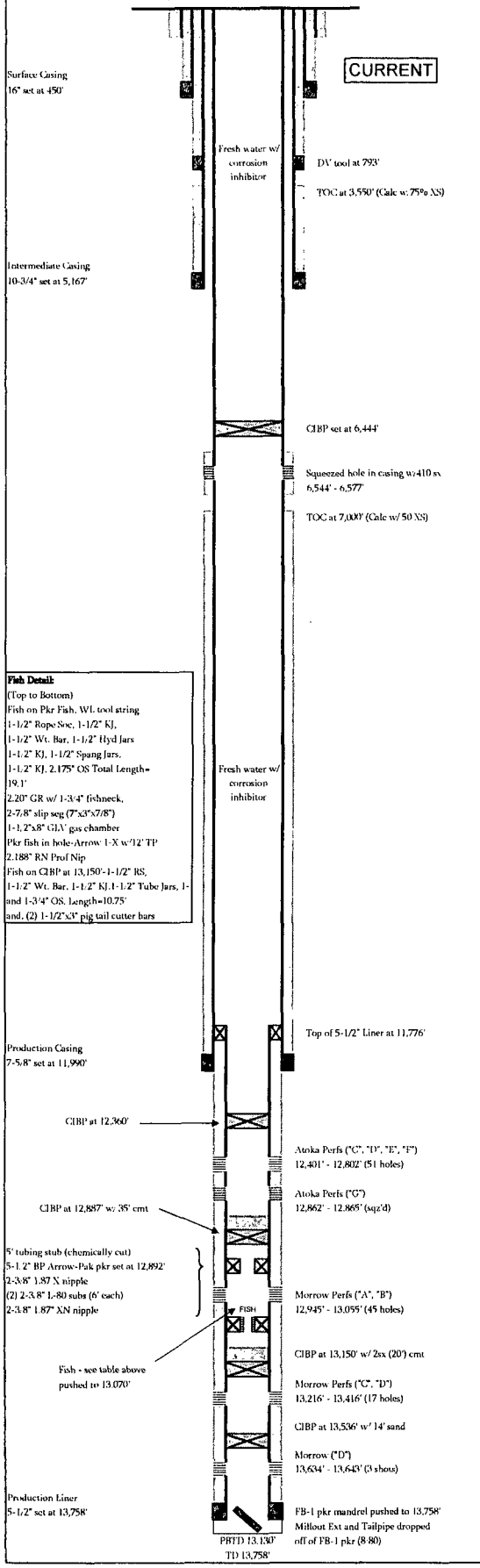
Morrow (13,634' – 13,643') CIBP at 13,536' w/14' sand; Morrow (13,216' – 13,416') CIBP at 13,150' w/ 20' CMT Morrow (12,945' – 13,055') CIBP at 12,887' w/ 35' CMT; Atoka (12,401' – 12,865') CIBP at 12,360'

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'

Well TA'd on 4-21-07



BOLD ENERGY, LP — Antelope Ridge Unit #6

WI: 50.0%
Elevation: 3,499
KB: 26'
Meas. TD: 13,758'
TVD: 13,758'
PBD: 13,130'
Zone: Morrow

NRI: 42.5%
API: 30-025-26291
Surface Location: 1980' FNL & 1980' FEL
Legal Description: Section 3 - T24S - R34E
Field: Antelope Ridge
County: Lea County
State: New Mexico

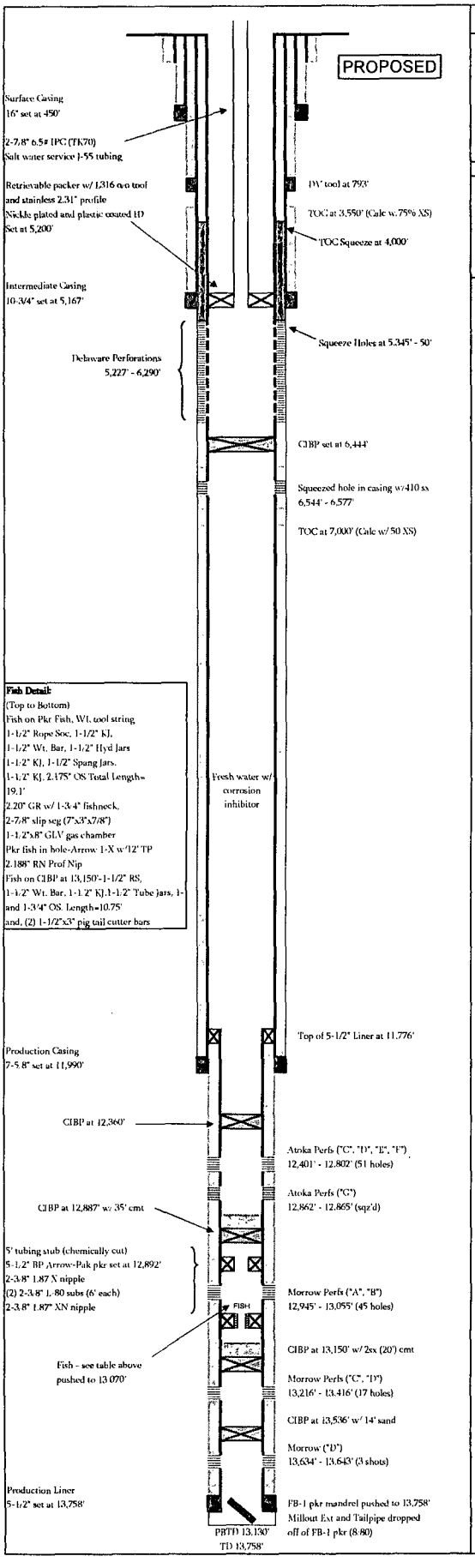
Casing	Hole	Weight	Grade	Depth	Burst	80% Burst	TOC
Conductor -	(no record of conductor casing in well file)						
16"	20"	65#	H-40	450'	1,640	1,312	Surface (circ.)
10-3/4"	14-3/4"	40.5#	K-55	2,700'	3,130	2,504	Surface (circ.)
10-3/4"	14-3/4"	40.5#	S-80	3,800'	4,560	3,648	Surface (circ.)
10-3/4"	14-3/4"	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' (calc)
5-1/2"	6-1/2"	23#	N-80	13,665'	10,560	8,448	TOL

Date	Event
3/14/1979	Spud
8/17/1979	TD at 13,758'
9/19/1979	RIH set pkr at 13,100' Perforated gross Morrow w/ 2" OD thru tbg 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', -634', -635', -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') CAOF = 7,000 MCFD
10/2/1979	RIH w/ spinner. Determine that 90% gas from 13,406'-13,416', and 10% gas from 13,316'-13,320' RIH set Lok-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', -646', -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 RIH spinner determine majority of gas from 12,417'-12,419'.
12/14/1979	Ran dual string completion with blast jts 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 PBU 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 RIH LT and dual pkr. Dual pkr leaking
9/18/1980	Flwd 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
12/7/1988	Morrow died. RU swab unit. IFL at 2,900' well KO after 2 swab runs
2/21/1990	Begin WO to remove dual string and place well on PLGR lift. Sand line parted while swabbing to recover fluid. Started fishing operations RIH pkr set at 12,885' (below Atoka perfs) Swabbed Morrow recovered fluid. RIH 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)
6/19/1990	Straddled Morrow from 13,406' - 416'. Acidized with 1,000 gal Acetic. Swabbed w/ gas shows. RU HES frac Morrow "D" (13,406' - 416') with HB Alcofoam; 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 DCA EUR = 5.0 BCF, P/Z EUR = 5.0 BCF. AOF = 438 acres from 11' of primary pay, RF=50%
7/23/1993	POOH w. tbg and pkr. RIH w/ CIBP set at 13,150'. Left multiple W/L fish on top of CIBP
8/25/1993	RIH w/ tool suite (temp, press, gradiometer, and diverter flowmeter). FL+/- 3,500'. SIBHP = 5,840 psi. Open to tank on 13/64", Gas from 12,400'-518'. No flow below 12,518'
9/1/1993	RIH CIBP set at 12,545' w/ 1 sk cmt over Atoka "E" & "F". new PBTD= 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/ tbg. DO CIBP at 12,545' Pkr set at 12,298 RIH w/ tbg and GLV's. Place Atoka on GL recovering 150 BW+200 net MCFD
8/9/1994	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 tbg, repaired GLV's. Atoka returned to production at 304 MCFD
10/20/2004	Citation submits proposal to recomplete Atoka and Morrow
1/2005	Commence operations w/ PU. Atoka producing +/- 10 MCFD POOH w/ tbg and GLVs, tbg parted with top of fish at 7,740'. 35 day fishing job. Sqz'd csg leaks from 6,544'-6,577' Spent 20 more days fishing Pushed all lost tools in hole to 13,070', sqz'd Atoka "G" 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 Left well open to tank, started flowing +/- 3 MCFD
6/9/2005	RU swab unit, recovered 34 BW w/ IFL = 6,200' and FFL = 11,500' RD swab unit Flwg well to tank at 3 MCFD at 30 psi FTP
6/16/2005	RU CTU 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 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

WI: 50.0%
Elevation: 3,499
KB: 26'
Meas. TD: 13,758'
TVD: 13,758'
PBD: 13,130'
Zone: Morrow

NRI: 42.5%
API: 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
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' (calc)
5-1/2"	6-1/2"	23#	N-80	13,665'	10,560	8,448	TOL

Date	Event
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8/17/1979	TD at 13,758'
9/19/1979	RIH set pkr at 13,100' Perforated gross Morrow w/ 2" OD thru tbg 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', -634', -635', -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') CAOF = 7,000 MCFD
10/2/1979	RIH w/ spinner. Determine that 90% gas from 13,406'- 13,416', and 10% gas from 13,316'-13,320' RIH set Lok-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', -646', -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 RIH spinner determine majority of gas from 12,417'-12,419'.
12/14/1979	Ran dual string completion with blast jts 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 PBU 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 RIH LT and dual pkr. Dual pkr leaking
9/18/1980	Flwd 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
12/7/1988	Morrow died. RU swab unit. IFL at 2,900' well KO after 2 swab runs
2/21/1990	Begin WO to remove dual string and place well on PLGR lift. Sand line parted while swbbing to recover fluid. Started fishing operations RIH pkr set at 12,885' (below Atoka perfs) Swabbed Morrow recovered fluid, RIH 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)
6/19/1990	Straddled Morrow from 13,406' - 416'. Acidized with 1,000 gal Acetic. Swabbed w/ gas shows. RU HES frac Morrow "D" (13,406' - 416') with HB Alcofoam; 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 DCA EUR = 5.0 BCF, P/Z EUR = 5.0 BCF. AOI = 438 acres from 11' of primary pay, RF=50%
7/23/1993	POOH w/ tbg and pkr. RIH w/ CIBP set at 13,150'. Left mutliple W/L fish on top of CIBP
8/25/1993	RIH w/ tool suite (temp, press, gradiometer, and diverter flowmeter). FL+/- 3,500'. SIBHP = 5,840 psi. Open to tank on 13/64". Gas from 12,400'-518'. No flow below 12,518'
9/1/1993	RIH CIBP set at 12,545' w/ 1 sk cmt over Atoka "E" & "F", new PBTD= 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/ tbg. DO CIBP at 12,545' Pkr set at 12,298 RIH w/ tbg and GLV's. Place Atoka on GL recovering 150 BW+200 net MCFD
8/9/1994	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 tbg, repaired GLV's. Atoka returned to production at 304 MCFD
10/20/2004	Citation submits proposal to recomplete Atoka and Morrow
1/2005	Commence operations w/ PU. Atoka producing +/- 10 MCFD POOH w/ tbg and GLVs, tbg parted with top of fish at 7,740'. 35 day fishing job. Sqz'd csg leaks from 6,544'-6,577' Spent 20 more days fishing Pushed all lost tools in hole to 13,070', sqz'd Atoka "G" 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 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 Flwg well to tank at 3 MCFD at 30 psi FTP
6/16/2005	RU CTU 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 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
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:
    - Baker 7-5/8" retrievable packer w/ L316 o/o tool and stainless 2.313" profile nickel plated and plastic coated ID.
    - 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 PBTD 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.

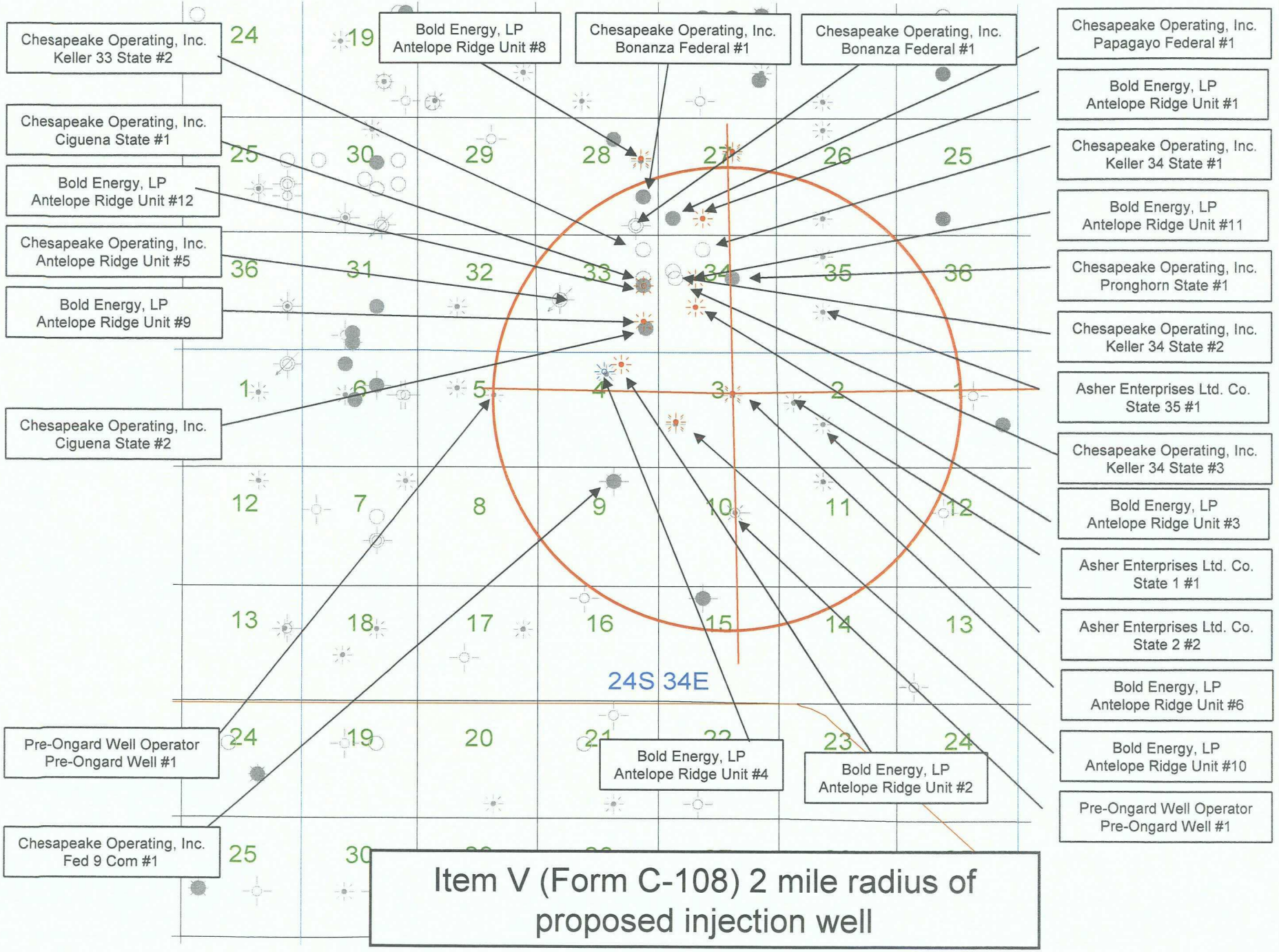
35. RU **ProWireline** slickline unit. RIH with tandem pressure gauges to mid perf at 5,733'. Leave gauges on bottom for 1 hour. Pull gauge and download data. Email pressure data to shannon.klier@boldenergy.com.

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.

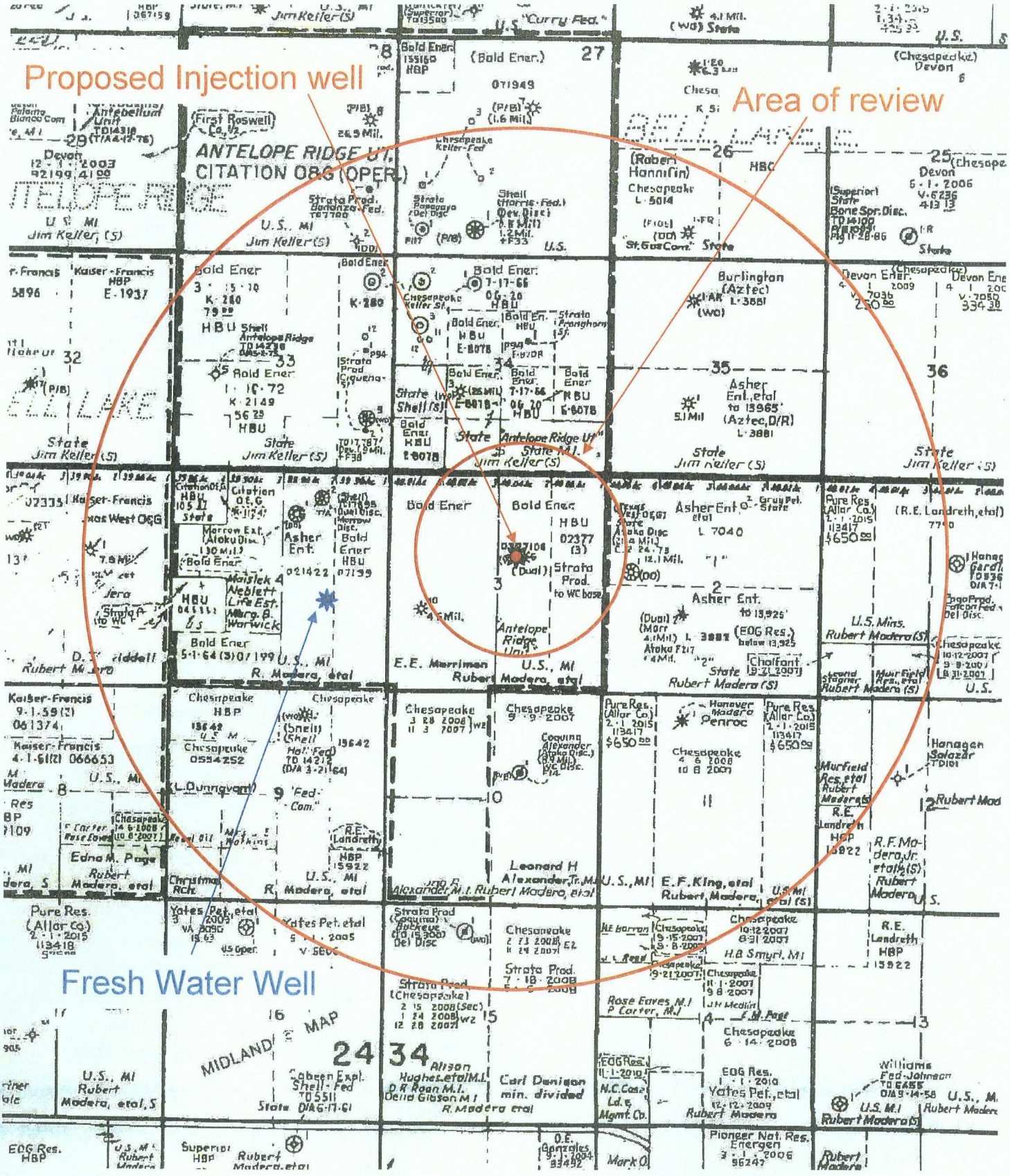
37. Perform injection test per the following schedule:

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.


Chesapeake Operating, Inc.
Keller 33 State #2
Chesapeake Operating, Inc.
Ciguena State #1
Bold Energy, LP
Antelope Ridge Unit #12
Chesapeake Operating, Inc.
Antelope Ridge Unit #5
Bold Energy, LP
Antelope Ridge Unit #9
Chesapeake Operating, Inc.
Ciguena State #2
Pre-Ongard Well Operator
Pre-Ongard Well #1
Chesapeake Operating, Inc.
Fed 9 Com #1
Bold Energy, LP
Antelope Ridge Unit #8
Chesapeake Operating, Inc.
Bonanza Federal #1
Chesapeake Operating, Inc.
Bonanza Federal #1
Bold Energy, LP
Antelope Ridge Unit #4
Bold Energy, LP
Antelope Ridge Unit #2
Chesapeake Operating, Inc.
Papagayo Federal #1
Bold Energy, LP
Antelope Ridge Unit #1
Chesapeake Operating, Inc.
Keller 34 State #1
Bold Energy, LP
Antelope Ridge Unit #11
Chesapeake Operating, Inc.
Pronghorn State #1
Chesapeake Operating, Inc.
Keller 34 State #2
Asher Enterprises Ltd. Co.
State 35 #1
Chesapeake Operating, Inc.
Keller 34 State #3
Bold Energy, LP
Antelope Ridge Unit #3
Asher Enterprises Ltd. Co.
State 1 #1
Asher Enterprises Ltd. Co.
State 2 #2
Bold Energy, LP
Antelope Ridge Unit #6
Bold Energy, LP
Antelope Ridge Unit #10
Pre-Ongard Well Operator
Pre-Ongard Well #1
24S 34E
Item V (Form C-108) 2 mile radius of proposed injection well

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



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	

MULTI-CHEM
PRODUCTION CHEMICALS
THE GAS ENHANCEMENT COMPANY

DISSOLVED SOLIDS

CATIONS	mg/l	meq/l	ANIONS	mg/l	meq/l
Sodium, Na (calc)	18,153.05	789.26	Hydroxyl, OH	0.00	0.00
Calcium, Ca	2,360.00	117.41	Carbonate, CO3	0.00	0.00
Magnesium, Mg	1,215.00	99.59	Bicarbonate, HCO3	197.64	3.23
Barium, Ba	16.79	0.24	Sulfate, SO4	592.00	12.14
Iron, Fe	0.00	0.00	Chloride, Cl	31,650.00	891.55
			Sulfide, S	0.00	0.00

OTHER PROPERTIES

pH	6.8	Total Dissolved Solids (mg/l)	54,184.48
Specific Gravity	1.0406	Total Ionic Strength	1.07
Dissolved Oxygen, (mg/l)	0.00	Maximum CaSO4, (calc.)	852
Dissolved Carbon Dioxide	109.41	Maximum BaSO4, (calc.)	29
Sulfide as H2S, (ppm)	7.75		

	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/kbbl
CaCO3	0.00	0	0
CaSO4	12.52	852	299
BaSO4	0.25	29	10

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

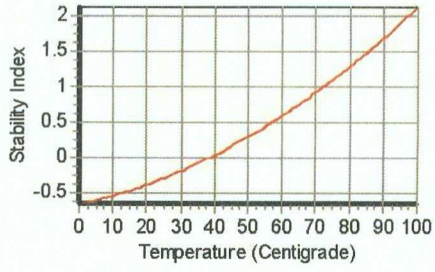
Conclusion:

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.

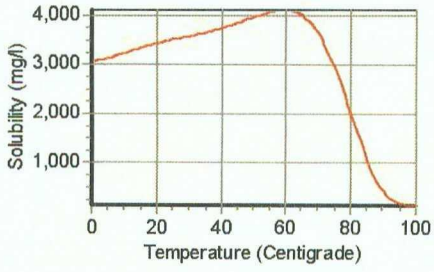
Remarks:

Scaling Indices vs. Temperature

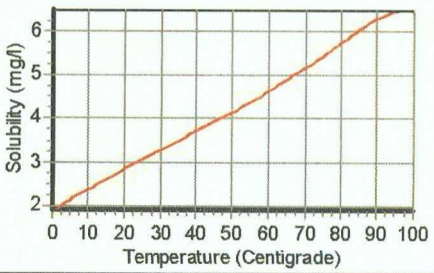
Calcium Carbonate Saturation Index



Calcium Sulfate Solubility



Barium Sulfate Solubility



C108 – Item VII (5)

NM WAIDS

DATA | MAPS | HOME | SCALE | CORROSION

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 — For general information about this sample.

Click — For scale calculation pages (Stiff-Davis or Oddo Tomson methods).

Click — 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 664 — 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

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

☐ SELECT/DESELECT ALL

Submit

Water Samples for Well BELL LAKE UNIT 007
API = 3002508367
Formation = DEL
Field = SWD
Current Water Production Information

Instructions:

Click — For general information about this sample.

Click — For scale calculation pages (Stiff-Davis or Oddo Tomson methods).

Click — 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 664 — Click the hyperlinked sample number to make a .csv for that sample, **or** select several check boxes and click Submit for multiple samples

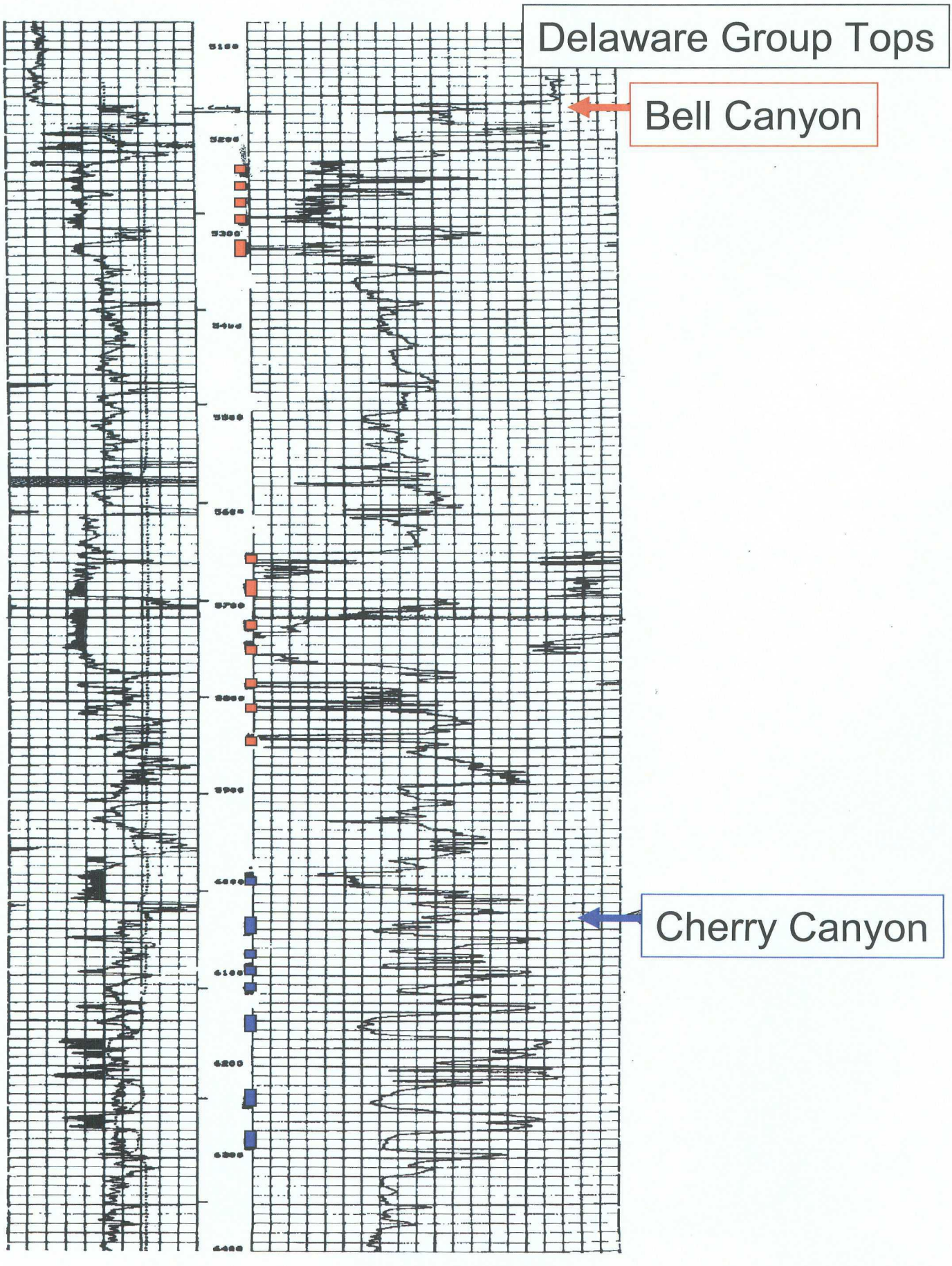
The ions are in (mg/L) units.

Section 1 T24S R33E
660' FNL and 660' FEL

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

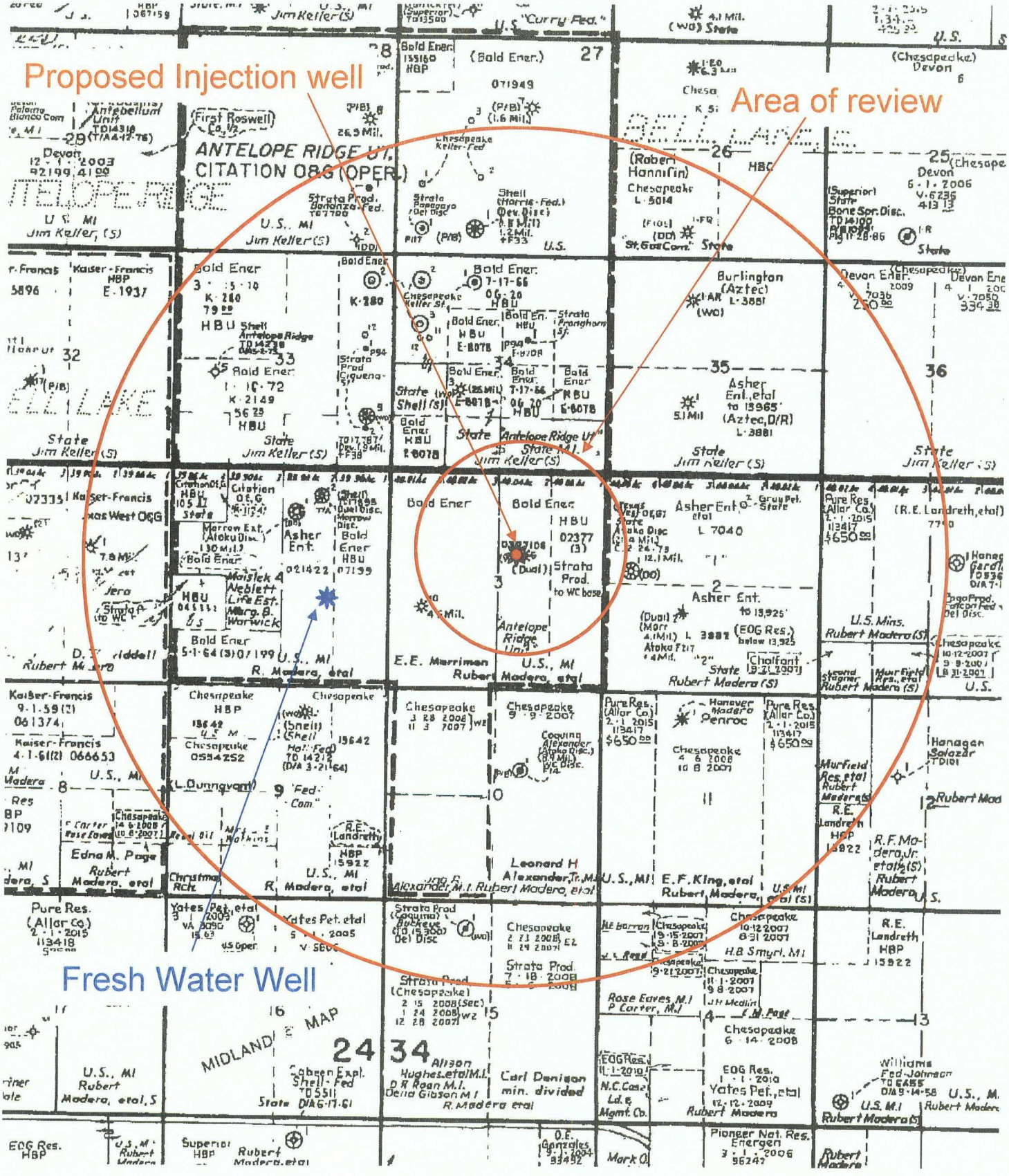
☐ SELECT/DESELECT ALL

Submit


Delaware Group Tops
Bell Canyon
Cherry Canyon

C108 – Item V

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



DATE: 9/13/2006

OMEGA TREATING CHEMICALS, INC.
2605 GARDEN CITY HYW.
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

DATE: 9/13/2006

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

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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				
Cheaspeake Operating	6100 N. Western Ave., Oklahoma 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

GRAY Surface Specialties

3106 N. Big Spring St. Ste. 10(
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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City, State, ZIP+4: Lovington, NM 88260-1717

PS Form 3800, June 2002 — See Reverse for Instructions

GRAY Surface Specialties

3106 N. Big Spring St. Ste. 10(
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

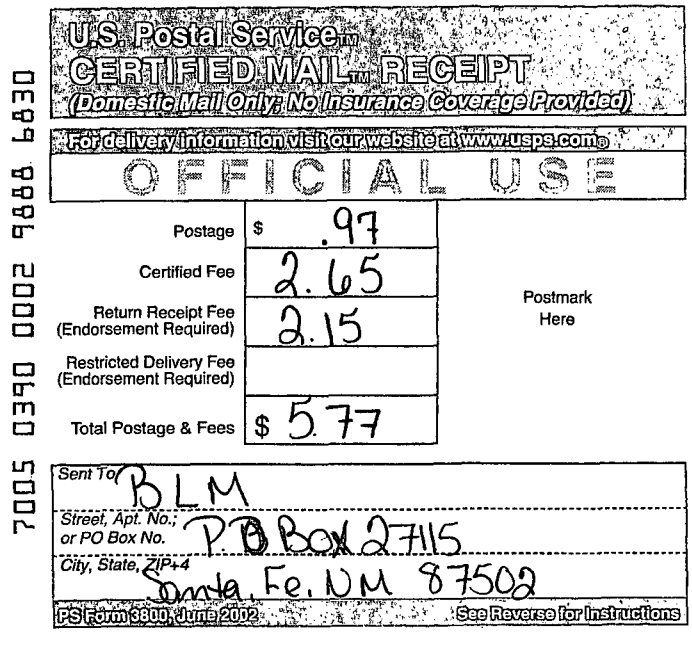
To Whom It May Concern:

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 files 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



GRAY Surface Specialties

3106 N. Big Spring St. Ste. 10(
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:

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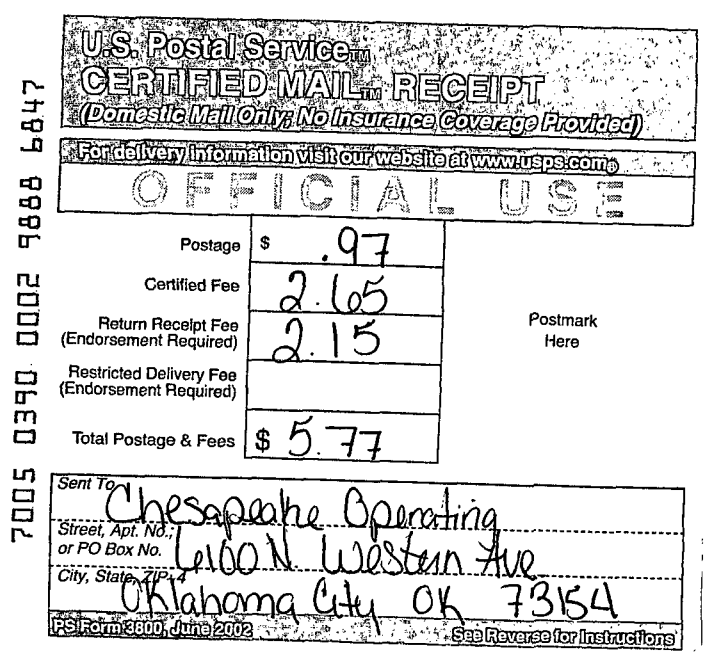
Sincerely,

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



GRAY Surface Specialties

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:

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Sincerely,

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

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Street, Apt. No.; or PO Box No. Box 1224
City, State, ZIP+4 Jal, NM 88252

PS Form 3800, June 2002 See Reverse for Instructions

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

GRAY Surface Specialties

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

September 17, 2007

New Mexico Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico

Attention: William Jones

RE: **Application for Salt Water Disposal**
Antelope Ridge Unit No. 6
API No. 30-025-26291
Delaware Formation
Unit Letter "G" Section 3 T24S R34E
Lea County, New Mexico

Mr. Jones,

Per our phone conversation on September 17, 2007, I am enclosing the return receipt and the affidavit of publication for the above referenced well.

We respectfully request that this application be approved administratively at the earliest possible time, in order for the such operation to move forward. Please understand that Gray Surface Specialties is acting as an Agent for Bold Energy LP, if there are any questions please feel free to contact me at 432.685.9158.

Thank you,

Heather Richardson

Heather Richardson
Agent for Bold Energy LP.

Attachments

Affidavit of Publication

STATE OF NEW MEXICO)
) ss.
COUNTY OF LEA)

Joyce Clemens being first duly sworn on oath deposes and says that she is Advertisting Director of **THE LOVINGTON LEADER**, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled

Legal Notice

was published in a regular and entire issue of **THE LOVINGTON LEADER** and not in any supplement thereof, for one (1) day, beginning with the issue of August 30, 2007 and ending with the issue of August 30, 2007.

And that the cost of publishing said notice is the sum of $41.80 which sum has been (Paid) as Court Costs.

Joyce Clemens

Subscribed and sworn to before me this 12th day of September 2007.

Debbie Schilling

Debbie Schilling
Notary Public, Lea County, New Mexico
My Commission Expires June 22, 2010

LEGAL NOTICE
APPLICATION
FOR WATER
DISPOSAL

Bold Energy LP, 415 W. Wall Suite 500, Midland, Texas 79701, (Contact: Shannon Klier 432-686-1100) has filed application with the Oil Conservation Division, Energy, Minerals and Natural Resources Department, State of New Mexico, for Administrative Approval and authority to inject salt water into the Antelope Ridge Unit No. 6 well located 1980' FNL and 1980' FEL of Section 3, Township 24 South, Range 34 East, Lea County, New Mexico.

The purpose of the water injection well is to dispose of salt water produced from the Antelope Ridge Atoka field as currently designated by the Oil Conservation Division.

Water to be disposed will be injected into the Delaware formation at an interval between 5,227 feet and 6,290' from surface.

The minimum injection rate is expected to be 500 barrels of water per day. The maximum injection rate is expected to be 2000 barrels of water per day.

The minimum injection pressure is expected to be 100 psi. The maximum injection pressure is expected to be 1034 psi.

Any interested party may file an objection to the Application or may request a public hearing. Any objection or request for hearing must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505 within 15 days from the date of publication.

Bold Energy, LP
By:
Shannon L. Klier
415 W. Wall,
Suite 500
Midland, Texas
79701
Telephone 432-686-1100
Published in the Lovington Leader August 30, 2007.

GRAY Surface Specialties

3106 N. Big Spring St. Ste. 10(
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

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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 — See Reverse for Instructions

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 files 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 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:
Chesapeake Operating
6100 N. Western Ave.
Oklahoma City, OK 73154
Attn Jarvis A. Hensley

2. Article Number

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) | C. Date of Delivery

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

AUG 27 2007

3. Service Type
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☐ Registered ☑ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

GRAY Surface Specialties

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

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Sent To: Rubert Madera Trust
Street, Apt. No.; or PO Box No. Box 1224
City, State, ZIP+4 Jal, NM 88250

PS Form 3800, June 2002 See Reverse for Instructions

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Sincerely,

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

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1. Article Addressed to:

Rubert Madera Trust
c/o Bert Madera
Box 1224
Jal, NM [redacted] 88252

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A. Signature X Monte Madera ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery 9-5

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

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4. Restricted Delivery? (Extra Fee) ☐ Yes

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Street, Apt. No.; or PO Box No.: P.O. Box 1717
City, State, ZIP+4: Lovington, NM 88260-1717

PS Form 3800, June 2002 — See Reverse for Instructions

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

SENDER: COMPLETE THIS SECTION

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- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
The Lovington Daily Leader
P.O. Box 1717.
Lovington. NM 88260-1717

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A. Signature
X Courtney Strahan ☐ Agent ☒ Addressee

B. Received by (Printed Name) | C. Date of Delivery

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

LOVINGTON, NM 88260 AUG 27 2007

3. Service Type
☑ Certified Mail ☐ Express Mail
☐ Registered ☑ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

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GRAY Surface Specialties

3106 N. Big Spring St. Ste. 10(
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

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

PS Form 3800, June 2002 See Reverse for Instructions

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Sincerely,

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

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- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
Bureau of Land Management
P.O. Box 27115
Santa Fe, NM 87502
Attn: Linda Rundell

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Elaine Linville ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery

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

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☒ Certified Mail ☐ Express Mail
☐ Registered ☒ Return Receipt for Merchandise
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4. Restricted Delivery? (Extra Fee) ☐ Yes

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