

**Jones, William V., EMNRD**

**From:** Jones, William V., EMNRD  
**Sent:** Friday, August 29, 2008 8:32 AM  
**To:** 'Tom Kellahin'  
**Cc:** Ezeanyim, Richard, EMNRD  
**Subject:** RE: Chesapeake's SWD- Minnie 6-1 Sec 6, 16S 37E-Lea County

*no case as of 9/15/08*

Tom:

Your copy of the application and protests are in the "Order Pickup" box in front of Florene's office. Due to the protests arriving months before the application, we have not reviewed this for completeness, so other things could be wrong with it. If the hearing happens, the hearing examiner assigned can review the application for four main issues:

- 1) Proper Notice - 701B(2)
- 2) AOR, cement, faults, etc
- 3) Waste caused by this injection or the injection affecting offsetting owners.
- 4) Sensitive areas - i.e. Capitan Reef, Potash, Lake Avalon, etc..

As soon as you get a Case number assigned, let me know and I will place my paperwork in the case file?

Glad you are back.

Will

William V. Jones PE  
 New Mexico Oil Conservation Division  
 1220 South St. Francis  
 Santa Fe, NM 87505  
 505-476-3448

*Case 14239*

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**From:** Tom Kellahin [mailto:tkellahin@comcast.net]  
**Sent:** Friday, August 29, 2008 7:53 AM  
**To:** Jones, William V., EMNRD  
**Subject:** Chesapeake's SWD- Minnie 6-1 Sec 6, 16S 37E-Lea County

Hi Will,

Chesapeake has hired me to represent them in the referenced SWD that apparently has been protested.

I would appreciate your help in sending me a copy of the protest so that I can get this case set for an examiner's hearing and focus on what issue is objectionable.

Thanks, Tom

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This inbound email has been scanned by the MessageLabs Email Security System.

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8/29/2008

8/20/08 DATE IN	SUSPENSE	W Jones ENGINEER	8/21/08 LOGGED IN	SWD TYPE	PKURO823430252 APP NO.
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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.

CHRISTIAN C. COMAS  
Print or Type Name

[Signature]  
Signature

Reg. Mgr.  
Title

7-7-08  
Date

christiancomas@cht.com  
e-mail Address

*Handwritten:* 6/15/08  
**RECEIVED**  
AUG 20 AM 11:58  
MINE  
Lea Ctx



RECEIVED

2008 AUG 20 AM 11 58

Regulatory Department

August 19, 2008

RE: **Chesapeake Operating, Inc's. : Intent to re-enter and convert the Minnie 1-6 located at 915' FNL & 1991' FEL of Section 6, T-16-S, R-37-E in Lea County, New Mexico to a salt water disposal well. (API # 30-025-34216)**

Dear Mr. Will Jones or to Whom It May Concern,

Per your request, please find the administrative application checklist along with NMOCD's form C-108 with attachments for the above noted well.

In addition, please find an affidavit of publication to the Hobbs Daily Sun News and a UPS shipment notification indicating that a copy of the C-108 application has been sent to the New Mexico State Land Office.

Please note that the C-108 application has been sent to each lease hold operator and other "affected persons" per NMOCD's rule 19.15.9.701(2). Said proof of notices will be provided to your office per your request.

Please call or e-mail if you have any questions or need additional information in the review of this application.

Respectfully yours,

A handwritten signature in cursive script, appearing to read "Bryan G. Arrant".

Bryan G. Arrant  
Chesapeake Energy Corp.  
Senior Regulatory Compliance Specialist  
Enterprise Plaza  
Phone: 405-879-3782  
Fax: 405-879-7911  
E-mail: bryan.arrant@chk.com

CC: NMOCD's District I office  
Hobbs, N.M.

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage  
Application qualifies for administrative approval? Yes No
- II. OPERATOR: Chesapeake Operating, Inc.  
ADDRESS: 6100 N. Western Avenue Oklahoma City, OK 73118  
CONTACT PARTY: Bryan Arrant PHONE: 405-879-3782
- 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: CHRISTIAN C. COMBS TITLE: Reg. Mgr.  
SIGNATURE: [Signature] DATE: 7-7-08  
E-MAIL ADDRESS: christian.combs@che.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.

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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.

## INJECTION WELL DATA SHEET

OPERATOR: Chesapeake Operating, Inc.WELL NAME & NUMBER: Minnie 6 # 1WELL LOCATION: 915' FNL & 1991' FEL

Lot 2

FOOTAGE LOCATION

UNIT LETTER

6

SECTION

16 South

TOWNSHIP

37 East

RANGE

WELLBORE SCHEMATIC

Please see attached well bore schematic  
Actual & Proposed.

This well was directionally drilled  
in the Strawn.  
Please find OCD well file of wellbore  
diagram date 9/20/2001

WELL CONSTRUCTION DATASurface CasingHole Size: 17 1/2" Casing Size: 13 3/8"Cemented with: 495 sxs sx. or ft<sup>3</sup>Top of Cement: Surface Method Determined: CirculatedIntermediate CasingHole Size: 12 1/4" Casing Size: 9 5/8"Cemented with: 1650 sxs. sx. or ft<sup>3</sup>Top of Cement: Surface Method Determined: CirculatedProduction CasingHole Size: 7 7/8" Casing Size: 5 1/2"Cemented with: 1615 sxs. sx. or ft<sup>3</sup>Top of Cement: 2920' Method Determined: CBLTotal Depth: 11,718' TVD: 12,632' (CMB)Injection Interval11,656(TVD) feet to 11,912' (TVD)

(Peforated or Open Hole; indicated which)

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8" Lining Material: Plastic

Type of Packer: Arrow Set I

Packer Setting Depth: 11,397'

Other Type of Tubing/Casing Seal (if applicable): \_\_\_\_\_

Additional Data

1. Is This a new well drilled for injection? \_\_\_\_\_ Yes X No \_\_\_\_\_

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

2. Name of the Injected Formation: Strawn

3. Name of Field or Pool (if applicable): Pennsylvanian:Northeast Lovington Penn Gas

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. No

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

### III. Well Data

#### A.

1. Minnie 1-6  
Sec. 6, T-16S, R-37E  
915' FNL and 1,991' FEL
2. Surface casing – 13-3/8", 54.5# set at 490'. Cemented with 495 sx, circ to surf.  
  
Intermediate casing – 9-5/8", 40# set at 4,392'. Cemented with 1,650 sx, circ to surf.  
  
Production casing – 5-1/2", 17# set at 12,370'. Cemented with 1,615 sx with top of cement at 2,920' from CBL.  
  
Production liner – 2-7/8", 6.5# set from 11,492' to 12,632'. Not cemented in place – run with 854' of perforated joints.
3. Injection tubing to be used will be 2-3/8", L-80 plastic lined tubing. Setting depth will be above the top of 2-7/8" liner at ~11,450'.
4. The injection packer to be used is an Arrow Set 1 packer set just above the top of 2-7/8" liner at ~11,450'

#### B.

1. The injection formation is the Strawn.
2. The injection interval is to be the openhole section from 11,551' – 12,632' (OA) cased with a perforated liner.
3. This well was originally drilled to be a producer in the Strawn and later sidetracked to move the BHL.
4. The perforated intervals in this well are as follows:  
Strawn 11,551' – 12,632' openhole section behind 2-7/8" perforated liner.
5. There are no known oil or gas zones above the proposed injection interval within the area of review.



VI. Tabulation of Data on all wells within the area of review

1. Barbara Owens 1  
Sec 35, T-15S-R36E  
API 30-025-03721

Drilled: 5/8/56  
Completed: 5/14/56

Casing Record:

Surface – 13-3/8", 48# set at 441'. Cement with 450 sx, circ to surf.  
Intermediate – 9-5/8", 36 & 40# set at 4,910'. Cement with 2,500 sx.  
Production – 5-1/2", 17 & 20# set at 11,861' with DV tool at 10,548'. Cement with 2200 sx – TOC at 4,395' (temp survey)

Completion Record:

11,594' – 11,606'  
11,554' – 11,584', 11,516' – 11,536' – acidized with 5,000 gals retarded acid  
10,702' – 10,718' – acidized with 6,000 gals acid/kerosene emulsion  
10,691' – 10,694' -

See attached schematic for more detail.

2. New Mexico P #1  
Sec 6, T-16S-R37E  
API 30-025-05331

Drilled: 4/14/57  
Completed: 5/10/57

Casing Record:

Surface – 13-3/8", 48# set at 435'. Cement with 420 sx, circ to surf.  
Intermediate – 9-5/8", 36 & 40# set at 4,944'. Cement with 2,500 sx, TOC at 670' (temp survey)  
Production – 5-1/2", 17 & 20# set at 11,645'. Cement with 300 sx, TOC at 10,645'

Completion Record:

DST'd, but TA'd initially to use as an SWD later.

50 sx plug set at 11,644' – 11,223'  
Cut 5-1/2" csg at 9,543' and pulled  
50 sx plug set at 9,682' – 9,543'  
50 sx plug set at 4,900' – 4,711'  
Cut 9-5/8" csg at 540' and pulled  
25 sx plug set at 540' – 515'  
30 sx plug set at 435' – 405'  
10 sx plug set at surface.

Well was P&A'd in 8/25/60 – see attached schematic for further detail.

## VII. Data on Proposed Operation

1. Anticipated average daily injection rate into the Minnie 1-6 is 625 BWIPD with a maximum daily expected rate of 1,000 BWPD.
2. The system will be a closed system.
3. The average injection pressure will be 1,500 psi and the maximum will be 2,355 psi.
4. The injected fluid will be from the Strawn, which is produced water from nearby well, Easley 1-6, that is to be re-injected for disposal.
5. The proposed disposal zone is the Strawn. This produced water that is to be disposed is also from the Strawn, which is the same as the disposal zone. The presence of an aquifer indicates that it should not be a problem to dispose in this well.

## VIII. Geologic Data

The injection zone is a Pennsylvanian (Strawn) limestone at 11,658' and is 256' thick.

IX. This well will be acidized with 15% HCl acid.

X. The openhole logs are on file with the NMOCD.

XI. A search reveals that there are two freshwater wells located 0.9 miles to the Northwest of the Minnie 1-6. Water samples are attached for your review.

XII. The available geologic and engineering data has been reviewed and there is no evidence of open faults or any hydrologic connection between the disposal zone and any underground source of drinking water.

3. Anderson State #1  
Sec 5, T-16S-R37E  
API 30-025-05329

Drilled: 12/23/55

Completed: 5/23/60

Casing Record:

Surface – 13-3/8", 48# set at 462'. Cement with 650 sx, circ to surf.

Intermediate – 9-5/8", 28# set at 4,905'. Cement with 2,893 sx, TOC at 920'  
(temp survey)

Production – 5-1/2", 20# set at 11,710'. Cement with 448 sx, TOC at 10180'  
(temp survey)

Completion Record:

11,601 – 11,618' – acidized with 3000 gals 15% HCl acid

10,753' – 10,766' – acidized with 6,000 gals 15% HCl acid

10,794' – 10,797'

Plug set at 10,715' with 15 gal hydromite on top

Cut 5-1/2" casing at 6,800' and pulled

25 sx plug set at :

6,800' – 6,730'

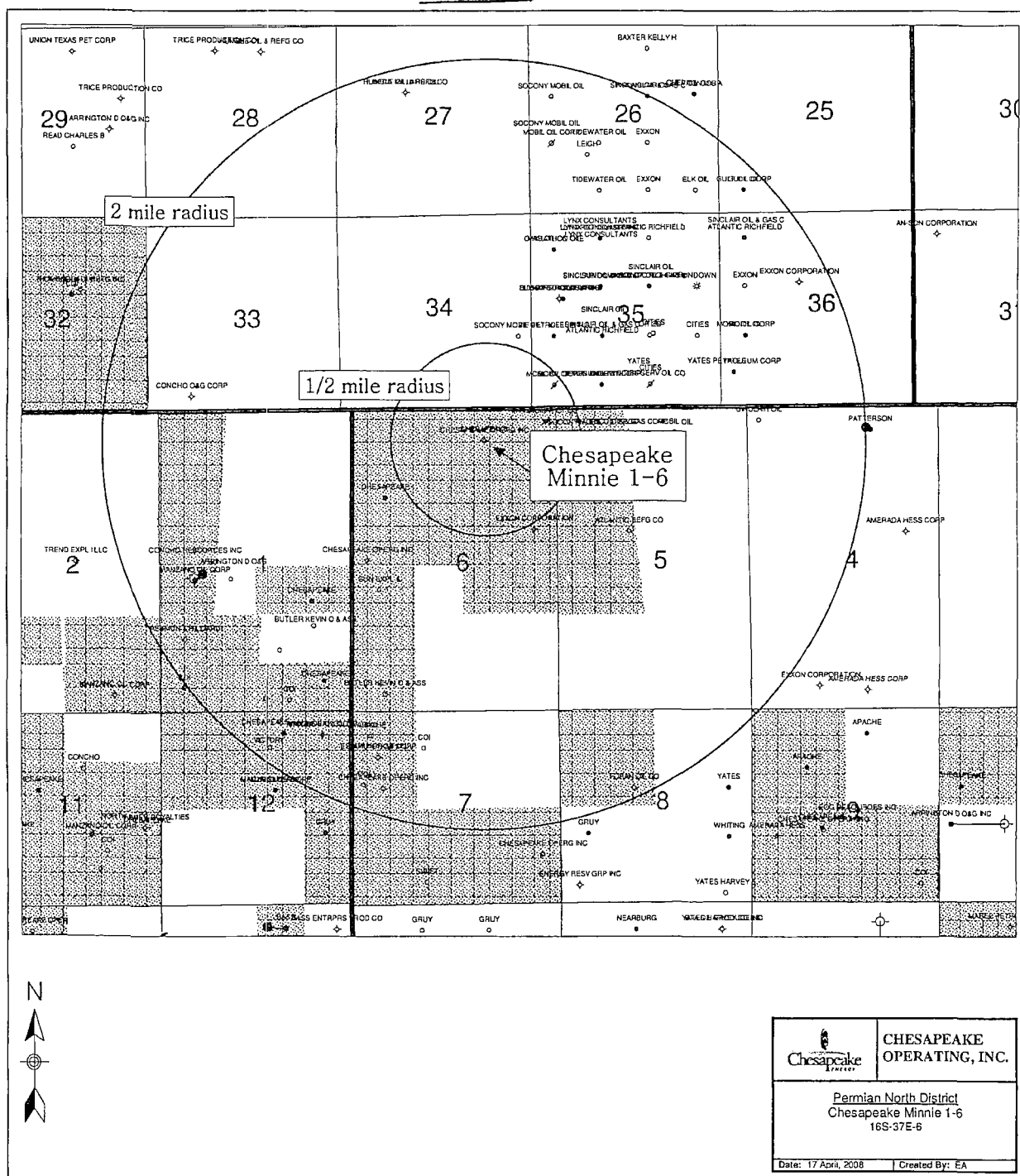
5,500' – 5,430'

930' – 872'

462' – 404'

Surface

P&A'd on 6/3/63. See schematic for details.





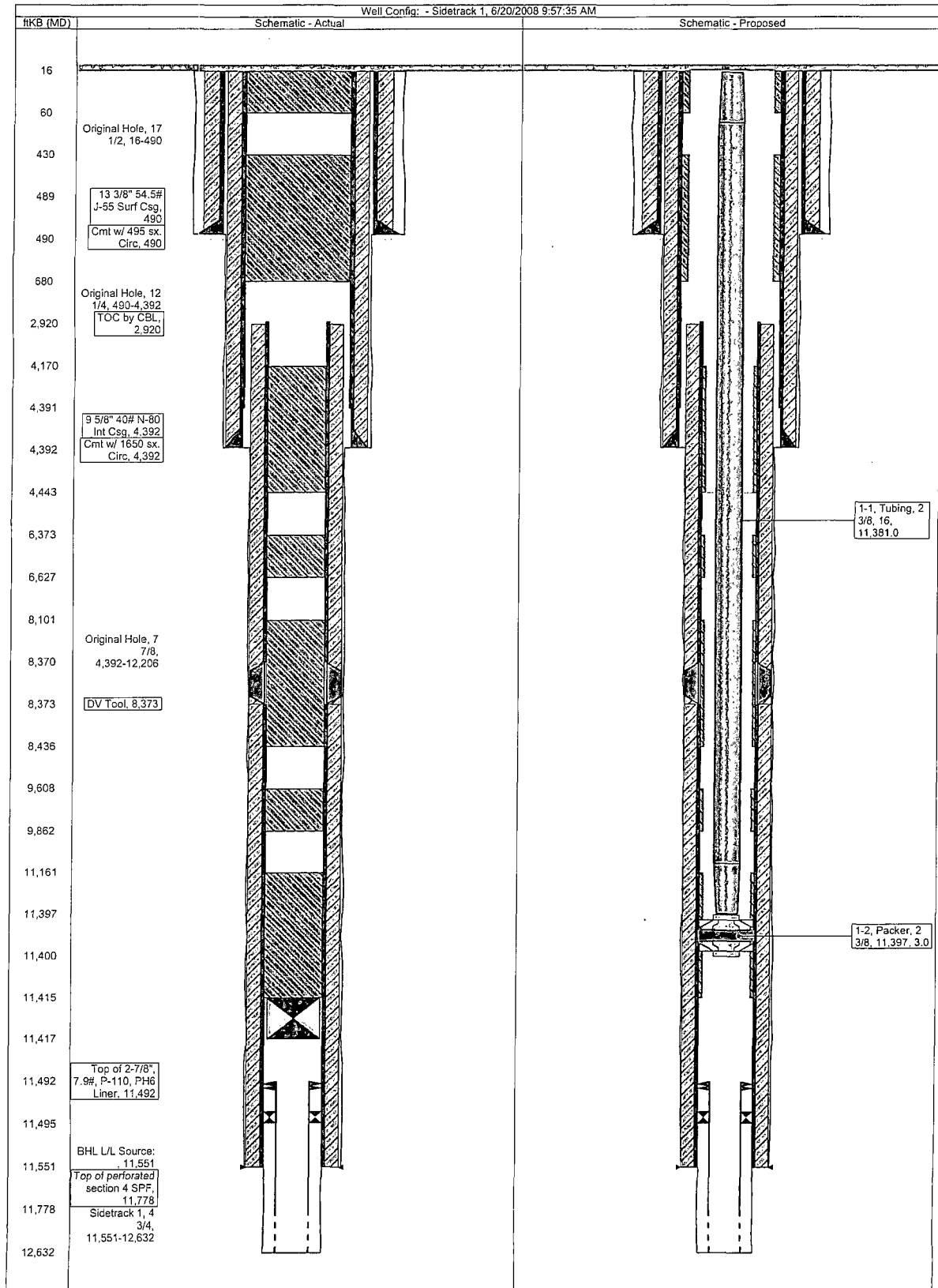
# Proposal - Workover

MINNIE 1-6

Field: NE LOVINGTON - PENN  
County: LEA  
State: NEW MEXICO  
Elevation: GL 3,862.00 KB 3,878.00  
KB Height: 16.00

Location: SEC 6, 16S-37E, 915 FNL & 1991 FEL

Spud Date: 12/4/1997  
Initial Compl. Date:  
API #: 3002534216  
CHK Property #: 812366  
1st Prod Date: 3/8/1998  
PBTD: Original Hole - 16.0  
TD: 12,632.0



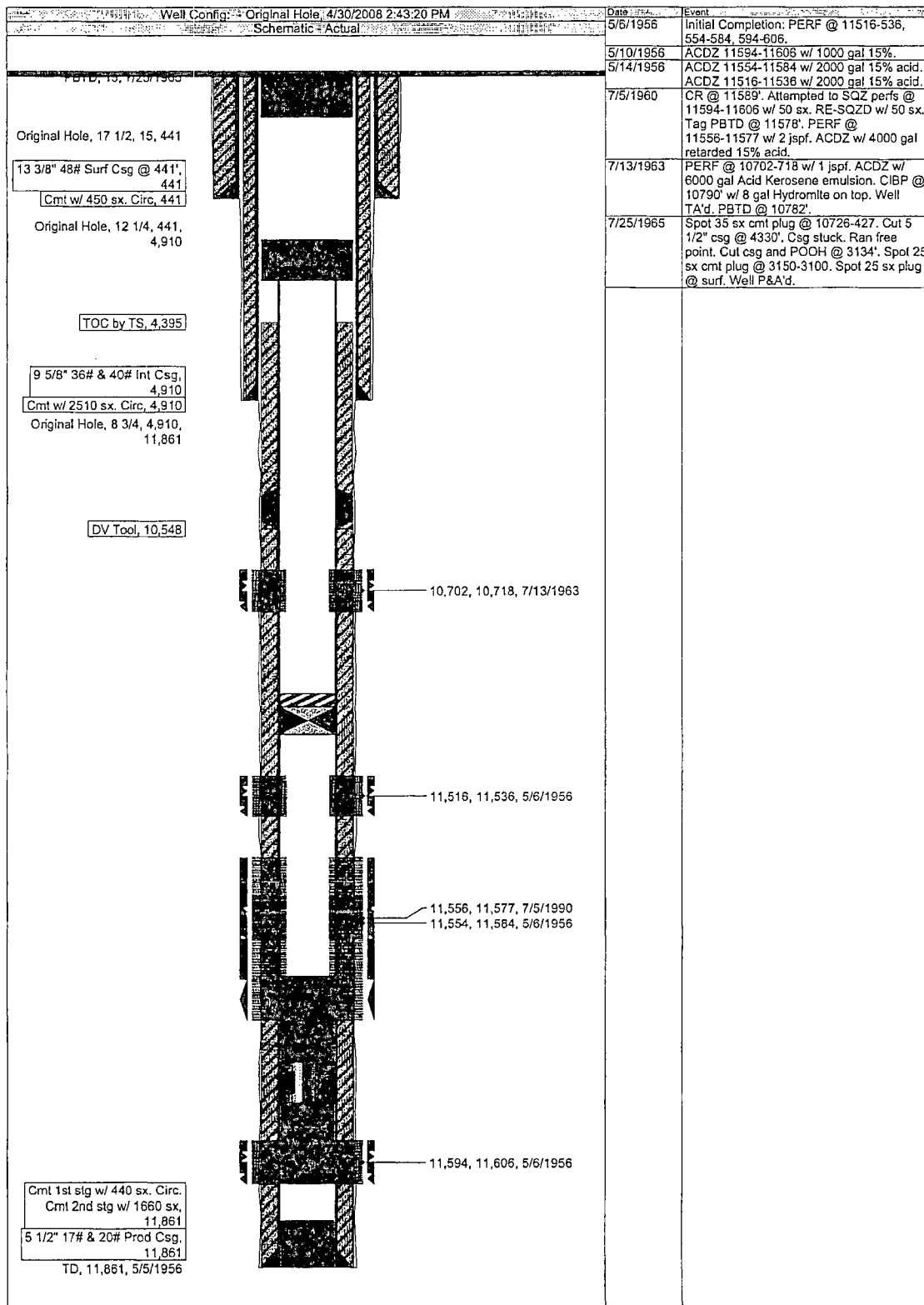


## Current Wellbore Schematic

BARBARA OWENS 1

Field: DEAN PERMO PENN  
County: LEA  
State: NEW MEXICO  
Location: SEC 35-15S-36E, 660 FSL & 660 FWL  
Elevation: GL 3,858.00 KB 3,873.00  
KB Height: 15.00

Spud Date: 2/17/1956  
API #: 3002503721  
CHK Property #:  
1st Prod Date:  
PBTD: Original Hole - 15.0  
TD: 11,861.0



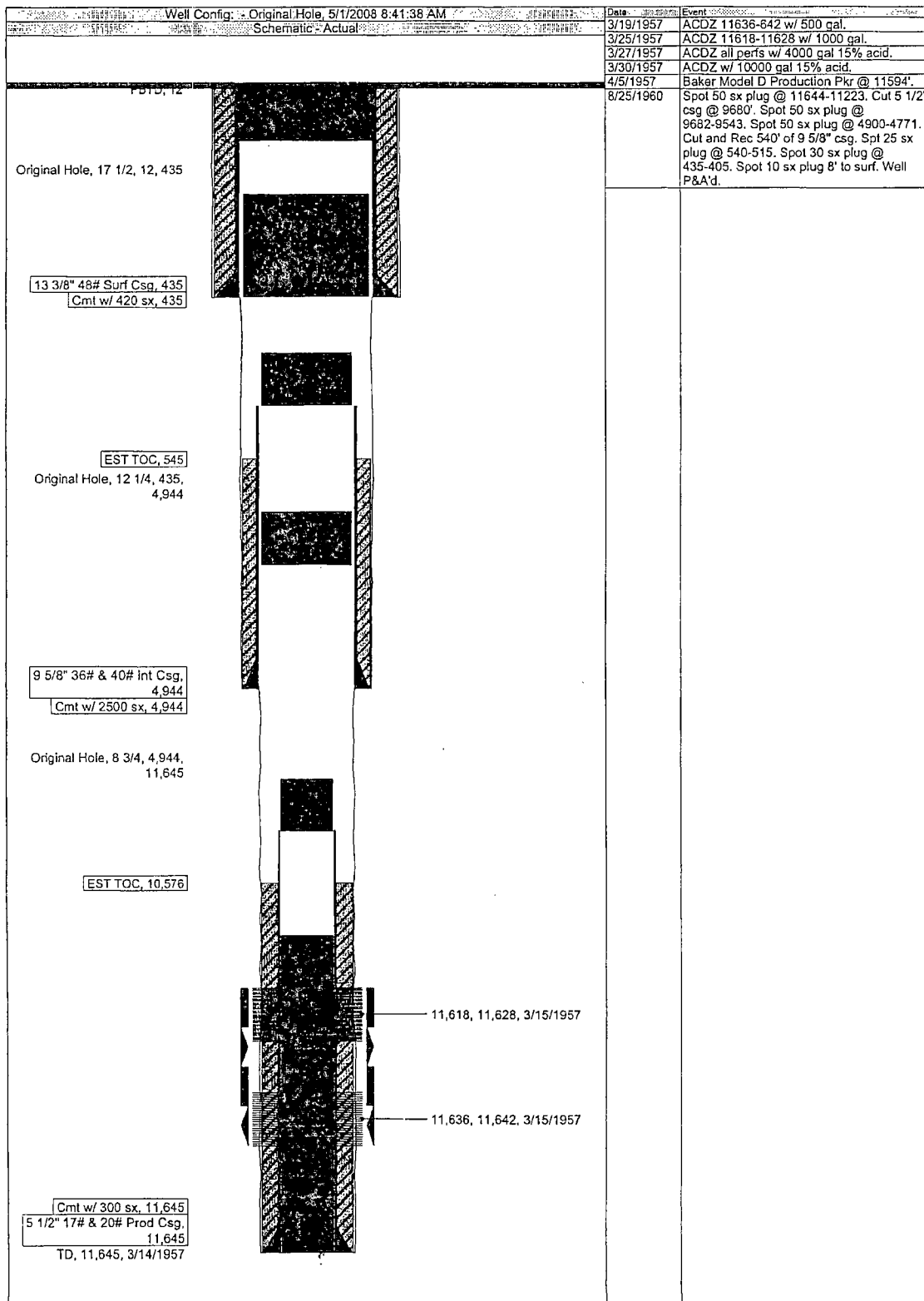


# Current Wellbore Schematic

MAGNOLIA NEW MEXICO P 1

Field: DEAN PERMO PENN  
County: LEA  
State: NEW MEXICO  
Location: SEC 6, 16S-37E, 330 FNL & 330 FEL  
Elevation: GL 3,854.00 KB 3,866.00  
KB Height: 12.00

Spud Date:  
API #: 3002505331  
CHK Property #:  
1st Prod Date:  
PBTD: Original Hole - 12.0  
TD: 11,645.0



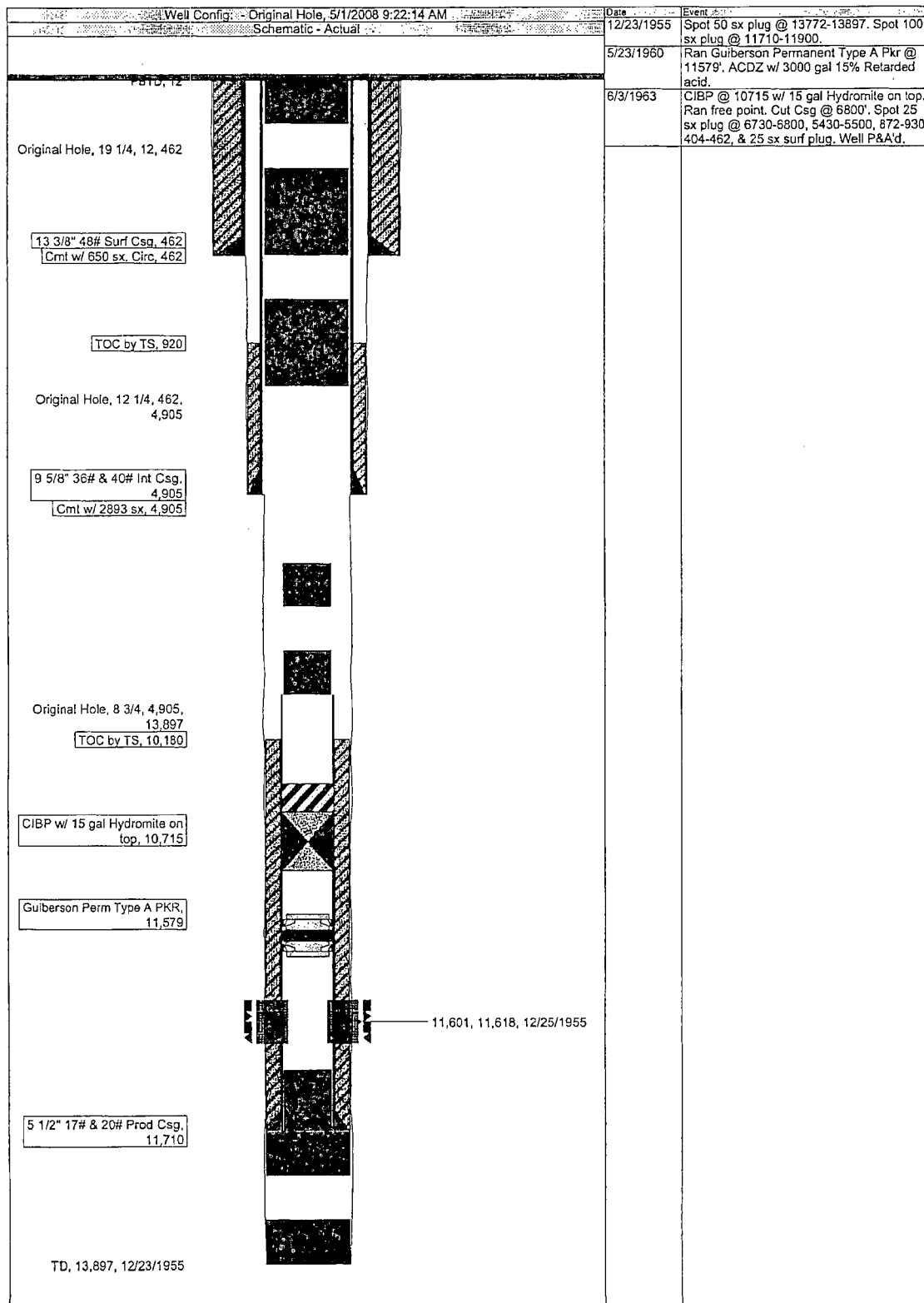


# Current Wellbore Schematic

SOCONY MOBIL ANDERSON STATE 1

Field: DEAN PENNSYLVANIAN  
County: LEA  
State: NEW MEXICO  
Location: SEC 5-16S-37E, 660 FWL & 660 FNL  
Elevation: GL 3,844.00 KB 3,856.00  
KB Height: 12.00

Spud Date: 7/16/1955  
API #: 3002505329  
CHK Property #:  
1st Prod Date:  
PBSD: Original Hole - 12.0  
TD: 13,897.0



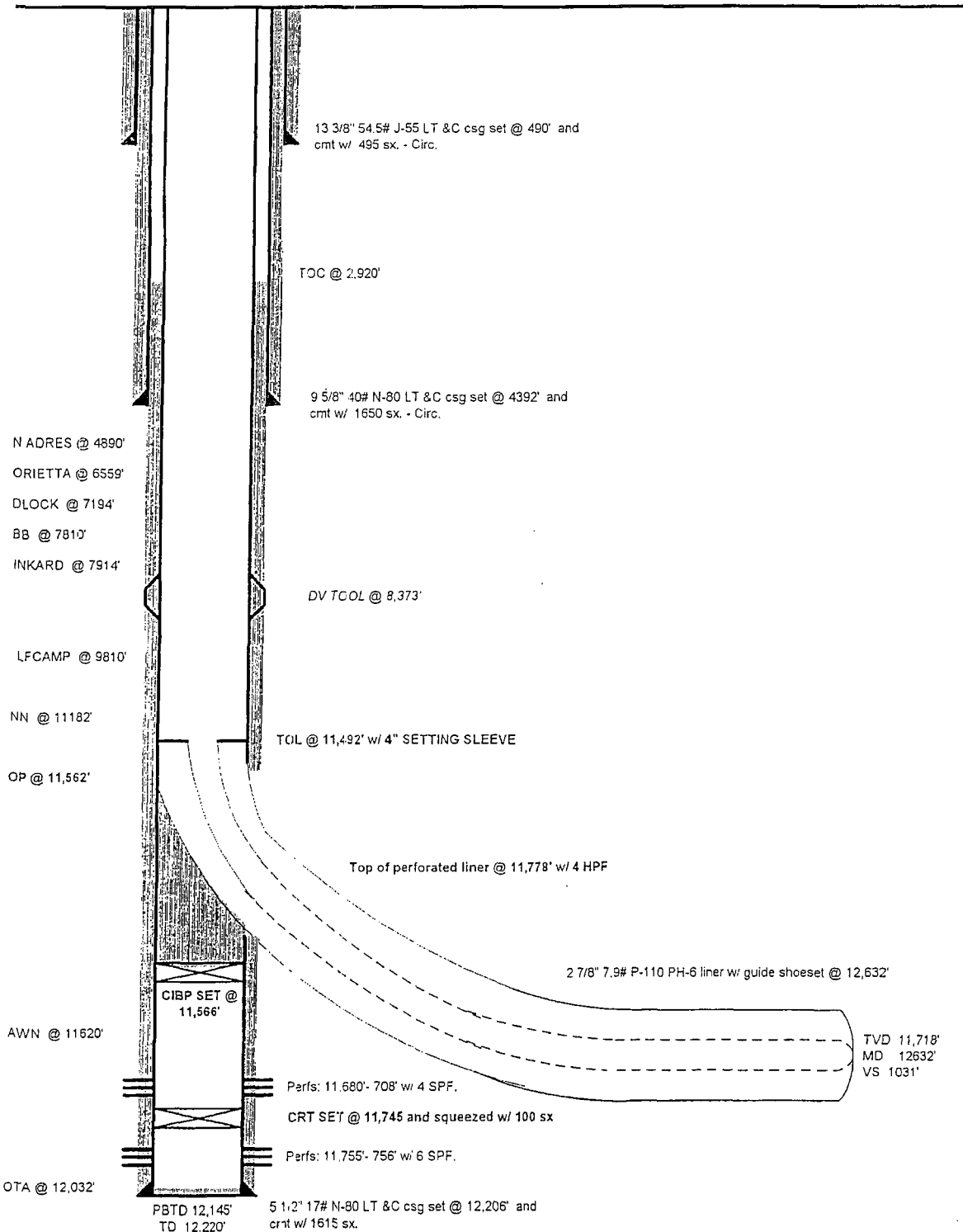


709 W. INDIANA  
MIDLAND, TEXAS 79701  
FAX (432) 682-8819

# CHESAPEAKE OPERATING-INC WELLBORE DIAGRAM

WELL : MINNIE 1-6H  
 FIELD : N.E. LOVINGTON - PENN  
 COUNTY : LEA STATE : NEW MEXICO  
 LOCATION Surface: 916' FNL & 1,991' FEL - Sec. 6-T16S-R37E  
 Bottom Hole: 1,316' FWL & 467' FNL - Sec. 6-T16S-R37E

ELEVATION : 3862' GL 3,878' KB



**Minnie 6 # 1**  
**API # 30-025-34216**  
**915' FNL & 1991' FEL**  
**Lot 2, Section 6**  
**Township 16 South Range 37 East**  
**Lea County, New Mexico**

**Geological Formation Tops**

San Andres	4890'
Glorieta	6559'
Paddock	7194'
Tubb	7810'
Drinkard	7914'
Abo	8476'
Wolfcamp	9810'
Pennsylvanian	11,182'
Strawn	11,620'
Atoka	12,032'

**Bryan Arrant**

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**From:** UPS Quantum View [auto-notify@ups.com]  
**Sent:** Monday, July 07, 2008 5:46 PM  
**To:** Bryan Arrant  
**Subject:** UPS Ship Notification, Minnie 1-6 to SLO C-108 Application



This message was sent to you at the request of Chesapeake Energy to notify you that the package information below has been transmitted to UPS. The package(s) may not have actually been placed with UPS for shipment. To verify when and if the shipment is tendered to UPS and its actual transit status, click on the tracking link below or contact Chesapeake Energy directly.

**Important Delivery Information**

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**Scheduled Delivery:** 08-July-2008

**Shipment Detail**

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**Ship To:**  
NEW MEXICO STATE LAND OFFICE  
310 OLD SANTA FE TRAIL  
SANTA FE  
NM  
875041148  
US

**Number of Packages** 1

**UPS Service:** NEXT DAY AIR SAVER

**Shipment Type:** Letter

**Tracking Number:** 1Z4352W51347644399

**Reference Number 1:** BRYAN.ARRANT@CHK.COM

Click here to track if UPS has received your shipment or visit  
[http://www.ups.com/WebTracking/track?loc=en\\_US](http://www.ups.com/WebTracking/track?loc=en_US) on the Internet.

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**AFFIDAVIT OF PUBLICATION**

State of New Mexico,  
County of Lea.

I, KATHI BEARDEN

PUBLISHER

of the Hobbs News-Sun, a  
newspaper published at  
Hobbs, New Mexico, do solemnly  
swear that the clipping attached  
hereto was published once a  
week in the regular and entire  
issue of said paper, and not a  
supplement thereof for a period.

of 1

weeks.

Beginning with the issue dated

June 28 2008

and ending with the issue dated

June 28 2008

Kathi Bearden

PUBLISHER

Sworn and subscribed to before

me this 30th day of

June

2008

Notary Public.

My Commission expires  
February 07, 2009  
(Seal)



OFFICIAL SEAL  
DORA MONTZ  
NOTARY PUBLIC  
STATE OF NEW MEXICO

My Commission Expires: \_\_\_\_\_

This newspaper is duly qualified  
to publish legal notices or adver-  
tisements within the meaning of  
Section 3, Chapter 167, Laws of  
1937, and payment of fees for  
said publication has been made.

**LEGAL NOTICE  
JUNE 28, 2008**

Chesapeake Operating, Inc. intends to re-enter and convert the Minnie 1-6 located 915' FNL & 1991' FEL of Section 6, T-16-S, R-37-E in Lea County, New Mexico to a salt water disposal well.

The proposed formation to inject is within the Strawn formation at an interval from 11,656'-11,912' (TVD). The proposed maximum rate and pressure are to be 2,000 BWPD and 2,355 psi, respectively. Questions or objections can be addressed to Chesapeake Operating, Inc. 6100 N. Western Ave., Oklahoma City, OK 73118, or call Charlie Robinson at: 405-879-8522. Objections or requests for hearing must be filed within 15 days of this notice to the Oil Conservation Division, 1220 S. St. Francis Dr., Santa Fe, NM 87505. #24183

02107807000

02601245

CHESAPEAKE ENERGY CORP.  
2010 RANKIN  
MIDLAND, TX 79701

# Advertising Receipt

Hobbs Daily News-Sun

201 N Thorp  
P O Box 936  
Hobbs, NM 88241-0850  
Phone: (575) 393-2123  
Fax: (575) 397-0610

CHARLIE ROBINSON  
CHESAPEAKE ENERGY CORP.  
P.O. BOX 18496  
OKLAHOMA CITY, OK 73154

Cust#: 02107807-000

Ad#: 02601245

Phone: (432)687-2992

Date: 06/25/08

Ad taker: C2

Salesperson: 06

Classification: 672

Description	Start	Stop	Ins.	Cost/Day	Surcharges	Total
07 07 Daily News-Sun	06/28/08	06/28/08	1	24.18		24.19
Bold						1.00
2 Affidavits (Legals)						6.00

**Payment Reference:**

LEGAL NOTICE  
JUNE 28, 2008

Total: 31.19

Tax: 2.09

Net: 33.28

Prepaid: 0.00

**Total Due 33.28**

Chesapeake Operating, Inc. intends to re-enter and convert the Minnie 1-6 located 915' FNL & 1991' FEL of Section 6, T-16-S, R-37-E in Lea County, New Mexico to a salt water disposal well. The proposed formation to inject is within the Strawn formation at an interval from 11,656'-11,912' (TVD). The proposed maximum rate and pressure are to be 2,000 BWPd and 2,355 psi, respectively. Questions or objections can be addressed to Chesapeake Operating, Inc. 6100 N. Western Ave., Oklahoma City, OK 73118, or call Charlie Robinson at: 405-879-8522. Objections or requests for hearing must be filed within 15 days of this notice to the Oil Conservation Division, 1220 S. St. Francis Dr., Santa Fe, NM 87505. #24183

RECEIVED

July 7, 2008

2008 JUL 11 PM 2 21

State of New Mexico  
Oil Conservation Division  
1220 S. St. Francis Dr.  
Santa Fe, NM 87505

Re: Chesapeake Energy -- Application to Inject -- Minnie 1-6  
915' FNL & 1991' FEL Section 6 of T-16-S, R-37-E  
Lea County, New Mexico

Gentlemen:

In regard to the captioned proposal, I wish to object on behalf of the Sweatt Family Trust. I am the trustee for the trust and have consulted those parties of whom I am aware that have mineral interest in the following property:

All of the East-Half (E/2) of Section 34, T-15-S, R-37-E, N.M.P.M.,  
Lea County, New Mexico, containing 320 acres, more or less.

The proposed location for saltwater disposal is only 915' from our property and we feel that our mineral rights would be severely devalued by having an injection well this close. We respectfully request that this action by Chesapeake Energy be blocked by your agency, since you are in the business of protecting the oil reserves of the mineral owners in your state.


All parties may not have been notified of this proposal. I do wish at this time to list the mineral and surface owners that I am aware of. To this date some of them have not received notification.

Robert H. Sweatt, Clara M. Wilcox, Sarah Reid, Reba Grandrud, Royce Fort, Curtis Fort, Jerry Fort, Laquita Dial, Sweatt Family Trust, all mineral owners. Surface owner is Byron Fort.

I know there are other mineral and surface owners in this same section. I do not know who they are, but you should be on the lookout for letters from them also.

You may contact me at 432-689-7875 or [dlt1midtex@aim.com](mailto:dlt1midtex@aim.com) if you have any questions. As of this writing, I expect this SWD to not be implemented without a hearing before your board. Please feel free to contact me at any time.

Respectfully,

  
Doris L. Taylor, Trustee for Sweatt Family Trust  
3911 NCR 1243, Midland, TX 79707



RECEIVED  
2008 JUL 30 PM 3 56

July 25, 2008

Oil Conservation Division  
1220 S. St. Francis Dr.  
Santa Fe, NM 87505

Re: Application to Inject  
Minnie 1-6  
915' FNL & 1991' FEL  
Section 11 of T-16S, R-37E  
Lea County, New Mexico

To Whom It May Concern:

Having been notified by Chesapeake Operating, Inc. of its intent to re-enter and convert the referenced site to a salt water disposal well, I am writing to note my objection.

After conferring with council, I do object because of the proxcemity to our mineral interests and the potential for surface damage to land and water.

Sincerely



Byron Wilcox  
P.O. Box 133  
Duncan, Oklahoma 73534

Cc: Chesapeake Operation, Inc.  
6100 N. Western Ave.  
Oklahoma City, OK 73118



RECEIVED

2008 JUL 17 PM 2 00

*Reba Wells Grandrud, Ph. D.*

2322 East Cholla Street  
Phoenix, Arizona 85028  
rgrandrud@cox.net  
(602) 992-0339

July 15, 2008

State of New Mexico  
Oil Conservation Division  
1220 S. St. Francis Drive  
Santa Fe, NM 87505

Re: Chesapeake Energy -- Application to Inject -- Minnie 1-6  
915' FNL & 1991' FEL Section 6 of T-16-S, R-37-E  
Lea County, New Mexico

I am writing in reference to the above-listed *Application to Inject*, made on behalf of Chesapeake Energy. First, Chesapeake's letter to me dated June 26, 2008, was sent to an address that has been obsolete for more than 45 years. By the time, a relative was notified and the certified letter forwarded to me, it was not possible for me to file an objection within fifteen days to Chesapeake's proposed action of re-entry, injection, and conversion to a salt water disposal well.

I object strongly to the application as detailed in a letter from Chesapeake Energy.

Sincerely,

Reba (Benge) Wells Grandrud  
2322 East Cholla Street  
Phoenix, Arizona 85028

RWG:n

RECEIVED  
2008 JUL 16 PM 12 14

ROYCE FORT  
3606 South County Road  
Midland, Texas 79706

July 8, 2008

State of New Mexico  
Oil Conservation Division  
1220 S. St. Francis Dr.  
Santa Fe, New Mexico 87505

Re: Chesapeake Energy Corporation  
Application to Inject Salt Water  
Minnie 1-6  
915' FNL, 1991' FEL  
Section 6-16S-37E  
Lea County, New Mexico

Gentlemen:

My name is Royce Fort. I am a mineral owner and surface owner in the E/2 of Section 34-15S-37E, Lea County, New Mexico. My property is adjacent to the captioned property and only 915' from the proposed disposal well.

Allowing a salt water disposal well at this site is an obvious threat to my property. The Strawn formation is a potential producing formation and to have it flooded with salt water destroys any chance of production. I have had experience with disposal wells and know that within a few years there is possible if not probable communication with other formations with a potential for oil and gas production. Also at risk is our surface water. I strongly object to this application of Chesapeake. Your duties (reflected in your name) include protecting and conserving our natural resources. We look to you for protection.

Sincerely,



Royce Fort

BYRON FORT  
P. O. Box 151  
Tatum, New Mexico 88267

RECEIVED  
2008 JUL 16 PM 12 14

July 8, 2008

State of New Mexico  
Oil Conservation Division  
1220 S. St. Francis Dr.  
Santa Fe, New Mexico 87505

Re: Chesapeake Energy Corporation  
Application to Inject Salt Water  
Minnie 1-6  
915' FNL, 1991' FEL  
Section 6-16S-37E  
Lea County, New Mexico

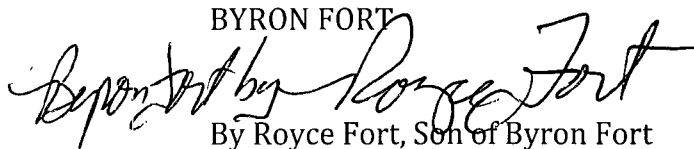
Gentlemen:

My name is Byron Fort. I am a mineral owner and surface owner in the E/2 of Section 34-15S-37E, Lea County, New Mexico. My property is adjacent to the captioned property and only 915' from the proposed disposal well.

Allowing a salt water disposal well at this site is an obvious threat to my property. The Strawn formation is a potential producing formation and to have it flooded with salt water destroys any chance of production. I have had experience with disposal wells and know that within a few years there is possible if not probable communication with other formations with a potential for oil and gas production. Also at risk is our surface water. I strongly object to this application of Chesapeake. Your duties (reflected in your name) include protecting and conserving our natural resources. We look to you for protection.

Sincerely,

BYRON FORT

  
By Royce Fort, Son of Byron Fort

RECEIVED

2008 JUL 31 PM 2 46

July 28,2008

I wish to register an objection to the intent of Chesapeake Operating, to re-enter and convert the Minnie 1-6 located 915' FNL & 1991' FEL of Section 11, T-16S, R-37E in Lea County, New Mexico to a salt water disposal well.

I STRONGLY OBJECT TO THIS!

*Ronald G. Sears*

Ronald G. Sears  
4130 F.M. 709 south  
Corsicana, Texas 75110



Kevin Pfister  
Senior Landman

July 23, 2008

**VIA CERTIFIED U.S. MAIL (7008 0150 0001 6894 3251)**

Ronald G. Sears  
4130 FM 709 South  
Corsicana, TX 75110

Re: Application to Inject  
Minnie 1-6  
915' FNL & 1991' FEL  
Section 11 of T-16S, R-37E  
Lea County, New Mexico

Dear Mr. Sears:

Chesapeake Operating, Inc. intends to re-enter and convert the Minnie 1-6 located 915' FNL & 1991' FEL of Section 11, T-16S, R-37E in Lea County, New Mexico to a salt water disposal well.

As a requirement of the New Mexico Oil Conservation Division (NMOCD), we are notifying you under NMOCD's Rule 19.15.9.701 (B) (2). The proposed formation to inject is within the Strawn formation at an interval from 11,551'-12,632'. The proposed maximum rate and pressure are to be 2,000 BWPD and 2,355 psi, respectively. Questions or objections can be addressed to Chesapeake Operating, Inc., 6100 N. Western Ave., Oklahoma City, OK 73118 or call Kim Henderson at: 405-879-8583. Objections or requests for hearing must be filed with the Oil Conservation Division, 1220 S. St. Francis Dr., Santa Fe, NM 87505, within 15 days of this notice.

Sincerely,

Chesapeake Exploration, L.L.C.

  
Kevin Pfister

W:\Permian\_North\Operated Wells\Winnie 1-6\2nd Minnie 1-6 NOTIFICATION 72308 .doc

Chesapeake Energy Corporation

P.O. Box 18496 • Oklahoma City, OK 73154-0496 • 6100 N. Western Avenue • Oklahoma City, OK 73118

405-767-4753 • Fax 405-270-1450 • [landman@chesa.com](mailto:landman@chesa.com)

RECEIVED

2008 AUG 4 PM 2 03

July 29, 2008

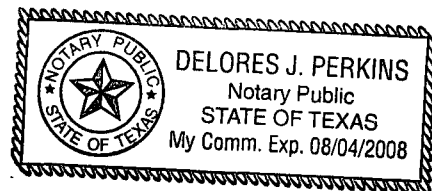
To Whom It May Concern:

I, Dwayne L. Sears, would like to notify any and all persons and corporations, involved, of my strong objection to the injection of salt water or any other by product into the well or wells known as Minnie 1 – 6. The location of said well being 915' FNL & 1991' FEL, Section 11 of T – 16S, R – 37E, of Lea County, New Mexico, by Chesapeake Exploration, L.L.C. or any other company.

Respectfully,

Dwayne L. Sears  
*Dwayne L. Sears*  
*Delores Perkins*  
Notary Republic

*Debrah Smith*  
Witness



July 31, 2008

RECEIVED

2008 AUG 4 PM 2:00

State of New Mexico  
Oil Conservation Division  
1220 S. St. Francis Dr.  
Santa Fe, NM 87505

Re: Chesapeake Energy -- Application to Inject -- Minnie 1-6  
915' FNL & 1991' FEL Section 6 of T-16-S, R-37-E  
Lea County, New Mexico

Gentlemen:

In regard to the captioned proposal, I definitely object to this and want to go on record with the Oil Conservation Division as being against this proposed action by the Chesapeake Energy Corporation.

I am one of the parties that have mineral interest in the following property:

All of the East-Half (E/2) of Section 34, T-15-S, R-37-E, N.M.P.M.,  
Lea County, New Mexico, containing 320 acres, more or less.

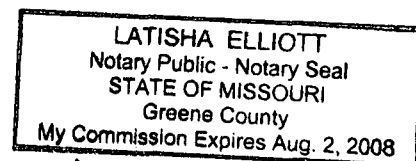
The proposed location for saltwater disposal is only 915' from the property and I feel that our mineral rights would be severely devalued by having an injection well this close. I respectfully request that this action by Chesapeake Energy be blocked by your agency.

I received notification of this proposal on July 26 and am sending this by certified mail to inform you of my feelings on the matter. I am available by phone at (417) 868-8681 or by post at the address listed below. Please feel free to contact me if needed.

Sincerely,

*Clara M. Wilcox*

Clara M. Wilcox  
2556 N. Marlan Ave.  
Springfield, MO 65803



STATE OF: *Missouri*  
COUNTY OF: *Greene*

Subscribed and sworn to before me  
this 31 day of July 2008.

Notary Public: *Latisha Elliott*  
My Commission Expires: *August 02, 2008*





*Copy*

Kevin Pfister  
Senior Landman

July 23, 2008

**VIA CERTIFIED U.S. MAIL (7008 0150 0001 6894 2858)**

Clara Wilcox  
2556 N. Marlan Ave.  
Springfield, MO 65803

Re: Application to Inject  
Minnie 1-6  
915' FNL & 1991' FEL  
Section 11 of T-16S, R-37E  
Lea County, New Mexico

Dear Ms. Wilcox:

Chesapeake Operating, Inc. intends to re-enter and convert the Minnie 1-6 located 915' FNL & 1991' FEL of Section 11, T-16S, R-37E in Lea County, New Mexico to a salt water disposal well.

As a requirement of the New Mexico Oil Conservation Division (NMOCD), we are notifying you under NMOCD's Rule 19.15.9.701 (B) (2). The proposed formation to inject is within the Strawn formation at an interval from 11,551'-12,632'. The proposed maximum rate and pressure are to be 2,000 BWPD and 2,355 psi, respectively. Questions or objections can be addressed to Chesapeake Operating, Inc., 6100 N. Western Ave., Oklahoma City, OK 73118, or call Kim Henderson at: 405-879-8583. Objections or requests for hearing must be filed with the Oil Conservation Division, 1220 S. St. Francis Dr., Santa Fe, NM 87505, within 15 days of this notice.

Sincerely,

**Chesapeake Exploration, L.L.C.**

*Kevin Pfister*  
Kevin Pfister

W:\Permian\_North\Operated Wells\Minnie 1-6\2nd Minnie 1-6 NOTIFICATION 72308.dqd

**APPLICATION FOR AUTHORIZATION TO INJECT**

- I. PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage  
Application qualifies for administrative approval? Yes No
- II. OPERATOR: Chesapeake Operating, Inc.  
ADDRESS: 6100 N. Western Avenue Oklahoma City, OK 73118  
CONTACT PARTY: Bryan Arrant PHONE: 405-879-3782
- 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: CHRISTIAN C. COMBS

TITLE: Reg. Mgr.

SIGNATURE: [Signature]

DATE: 7-7-08

E-MAIL ADDRESS: christian.combs@ch2.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: \_\_\_\_\_

July 31, 2008

State of New Mexico  
Oil Conservation Division  
1220 S. St. Francis Dr.  
Santa Fe, NM 87505

Re: Chesapeake Energy -- Application to Inject -- Minnie 1-6  
915' FNL & 1991' FEL Section 6 of T-16-S, R-37-E  
Lea County, New Mexico

Gentlemen:

In regard to the captioned proposal, I definitely object to this and want to go on record with the Oil Conservation Division as being against this proposed action by the Chesapeake Energy Corporation.

I am one of the parties that have mineral interest in the following property:

All of the East-Half (E/2) of Section 34, T-15-S, R-37-E, N.M.P.M.,  
Lea County, New Mexico, containing 320 acres, more or less.

The proposed location for saltwater disposal is only 915' from the property and I feel that our mineral rights would be severely devalued by having an injection well this close. I respectfully request that this action by Chesapeake Energy be blocked by your agency.

I received notification of this proposal on July 28 and am sending this by certified mail to inform you of my feelings on the matter. I am available by phone at (417) 833-1785 or by post at the address listed below. Please feel free to contact me if needed.

Sincerely,

*Randall K. Wilcox*

Randall K. Wilcox  
3711 N. Temple  
Springfield, MO 65803

SWORN TO AND SUBSCRIBED BEFORE ME  
THIS 31st DATE OF July A.D. 20 08  
*Karen Fischer*  
NOTARY PUBLIC STATE OF MISSOURI  
MY COMMISSION EXPIRES 6/30/2010  
COUNTY OF: Greene

