

ABOVE THIS LINE FOR DIVISION USE ONLY

1133



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.

Jerry W. Sherrell
 Print or Type Name

Jerry W. Sherrell
 Signature

Production Clerk
 Title

4-29-08
 Date

jerrys@mackenergycorp.com
 e-mail Address

Received

RECEIVED
 2008 MAY 1 PM 12:15

APPLICATION FOR AUTHORIZATION TO INJECT

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

II. OPERATOR: Mack Energy Corporation

ADDRESS: P.O. Box 960 Artesia, NM 88211-0960

CONTACT PARTY: Jerry W. Sherrell PHONE: (505)748-1288

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.).

*VII. 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/I 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 freshwater from two or more freshwater 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: Jerry W. Sherrell TITLE: Production Clerk

SIGNATURE: *Jerry W. Sherrell* DATE: 4-29-08

* 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: _____

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.

VII. DATA SHEET: PROPOSED OPERATIONS

1. Proposed average and maximum daily rate and volume of fluids to be injected;
Respectively, 3000 BWPD and 4000 BWPD
2. The system is closed or open;
Closed
3. Proposed average and maximum injection pressure;
0-1500#
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than re-injected produced water;
We will be re-injecting produced water
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;

N/A

VIII. GEOLOGICAL DATA

Abo Reef

1. Lithologic Detail; **Carbonate**
2. Geological Name; **SWD, Abo Reef**
3. Thickness; **850'**
4. Depth; ~~7550-8400'~~

IX. PROPOSED STIMULATION PROGRAM

1. To be treated with 5000 gallons 15% acid

X. LOGS AND TEST DATA

1. Well data will be filed with OCD at completion of well

XI. ANALYSIS OF FRESHWATER WELLS

1. Pending-to be sent at a later date

Additional Information

Waters Injected: Drinkard and San Andres

INJECTION WELL DATA SHEET

Tubing Size: 2 7/8" Lining Material: Plastic Coated

Type of Packer: Arrow Set 10K Nickel Plated Packer

Packer Setting Depth: 7450

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

Additional Data

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

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

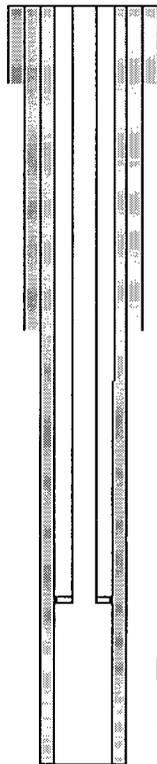
2. Name of the Injection Formation: Abo Reef

3. Name of Field or Pool (if applicable): SWD;Abo Reef

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. _____

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Overlying-Drinkard top 7440', Underlying-Wolfcamp top 9868'

Dogz SWD #1 Sec. 17 T18S R37E



13 3/8 casing @ 380'
cmt w/450sx

8 5/8 casing @ 3165'
cmt w/1400sx

2 7/8 PC tubing @ 7450'
set w/10k nickel plated pkr

Perfs from ~~7550-8400~~

*See @ 8800
NOTE*

5 1/2 casing @ 8800'
cmt w/2000sx

TD @ 8800'



Water Analysis Report

Company: Mack Energy Corporation Sample #: 9524
 Area: Artesia Analysis ID #: 742
 Lease: BOYZ Fee
 Location: 1 0
 Sample Point: Wellhead

Sampling Date: 2/14/08 Analysis Date: 2/18/08 Analyst: Mitchell Labs TDS (mg/l or g/m3): 29502.1 Density (g/cm3): 1.021 Hydrogen Sulfide: 26 Carbon Dioxide: 42 Comments:	Anions mg/l meq/l Chloride: 16017.6 451.8 Bicarbonate: 391.0 6.41 Carbonate: Sulfate: 2300.0 47.89 pH at time of sampling: 7.8 pH at time of analysis: pH used in Calculation: 7.8 Temperature @ lab conditions (F): 75	Cations mg/l meq/l Sodium: 8626.7 375.24 Magnesium: 702.7 57.81 Calcium: 1463.3 73.02 Strontium: Barium: Iron: 0.4 0.01 Manganese: 0.430 0.02 Conductivity (micro-ohms/cm): 49100 Resistivity (ohm meter): .2037
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Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl

Temp °F	Calcite CaCO ₃		Gypsum CaSO ₄ ·2H ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄	
	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount
80	1.29	40.51	-0.09	0.00	-0.15	0.00	0.00	0.00	0.00	0.00
100	1.31	45.61	-0.11	0.00	-0.10	0.00	0.00	0.00	0.00	0.00
120	1.33	51.06	-0.12	0.00	-0.03	0.00	0.00	0.00	0.00	0.00
140	1.37	57.18	-0.12	0.00	0.06	103.82	0.00	0.00	0.00	0.00



CATALYST

Oilfield Services

Fresh water well
within 1 mile of
the Dogz SWD #1

Water Analysis Report

Company: Mack Energy Corporation Sample #: 10131
 Area: Artesia Analysis ID #: 919
 Lease: Dogz
 Location: 1 FW 0
 Sample Point: Wellhead

Sampling Date:	4/29/08	Anions	mg/l	meq/l	Cations	mg/l	meq/l
Analysis Date:	5/2/08	Chloride:	43.1	1.21	Sodium:	62.3	2.71
Analyst:	Mitchell	Bicarbonate:	293.3	4.81	Magnesium:	9.1	0.75
TDS (mg/l or g/m3):	555.6	Carbonate:			Calcium:	79.8	3.98
Density (g/cm3):	1	Sulfate:	68.0	1.42	Strontium:		
Hydrogen Sulfide:					Barium:		
Carbon Dioxide:					Iron:	0.0	0.
Comments:					Manganese:		
		pH at time of sampling:		7			
		pH at time of analysis:					
		pH used in Calculation:		7	Conductivity (micro-ohms/cm):		675
		Temperature @ lab conditions (F):		75	Resistivity (ohm meter):		14.8148

Values Calculated at the Given Conditions - Amounts of Scale in lb/1000 bbl										
Temp	Calcite CaCO ₃		Gypsum CaSO ₄ ·2H ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄	
	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount
80	-0.13	0.00	-1.72	0.00	-1.79	0.00	0.00	0.00	0.00	0.00
100	0.01	0.35	-1.72	0.00	-1.72	0.00	0.00	0.00	0.00	0.00
120	0.16	5.96	-1.70	0.00	-1.63	0.00	0.00	0.00	0.00	0.00
140	0.32	11.91	-1.68	0.00	-1.51	0.00	0.00	0.00	0.00	0.00

XII. AFFIRMATIVE STATEMENT

RE: Dogz SWD #1

We have examined the available geologic and engineering data and find no evidence of open faults or any other hydraulic connection between the disposal zone and any underground source of drinking water.

Mack Energy Corporation

Date: 4-29-08



Jerry W. Sherrell, Production Clerk

Yates Pet, etal
9-1-2003
V 5361
B796

(Nadel E, Gussman)
11-1-99
VA 1295
5436

Yates Pet, etal
9-1-2001
VA 1515
1563

Yates Pet
4-1-92
V 7034
15286
10

Cont'l
HBP
E-4039

Nadel E, Gussman
5-1-98
VA 905
2917

Cities Service
H.B.P.
B-1481

OXY
H.B.P.
B-1553

M.J. Harvey Jr.
3-1-98
VA 823
2082

Chevron
3-1-2008
100572
25000

Santa Fe Ener
7-1-2003
VA 5330
70000

Chevron
HBP
B-1330

ConocoPhillips
B-1535k

M.W. Coll etal
A.C. Ranch (S)

Chevron
H.B.P.
A-1543

Roy Hold
A.C. Ranch
22

GOODWIN

Jor Melton
ACR
TD4700

Samson Expl
H.B.P.
B-2287

Yates Pet.
8-1-
V 3031
3792

Caza Ener
8-8-2008

Southwest Roy.
B-1535
(Conoco)
to SA base

EOG Res.
HBP
E-6574

So
K

Alma
Goodwin etal
PC Brooks etal

Southwest Roy.
4300-4600'

Kelly
Shipp
TD4511
8-7-56

A.C. Ranch, etal

Mack
(Cont'l)
5-7-08
Abo Disc
Goodwin

Southwest Roy.
2
P68

H. Resmussen
Maralo-St.
TD4250

Yates
Pet, etal
10-1-2008
VA 1011

Goodwin
19-8-19

Southwest Roy.
"Conoco-St"

Southwest Roy.
B-1535

State
Carole Luckl.

Abercrombie Mins
Conoco
HBP
1535 1/2

Southwest Roy.
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Maralo
HBP
E-3705

Yates
Pet, etal
10-1-2008
VA 1011

Goodwin
19-8-19

Southwest Roy.
"Maralo-St"

Southwest Roy.
B-1535

State
Carole Luckl.

Truckers Water
Co
WME
TD7602

Southwest Roy.
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M. Amwell, etal
E-7183
Sell-Resmussen
14-01-2007

Yates
Pet, etal
10-1-2008
VA 1011

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H.B.P.
B-1535 1/2

Southwest Roy.
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Maralo
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E-3705

Yates
Pet, etal
10-1-2008
VA 1011

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H.B.P.
B-31

Southwest Roy.
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Maralo
HBP
E-3705

Yates
Pet, etal
10-1-2008
VA 1011

Marathon
9-1-2010
V 1564
20000

Southwest Roy.
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Maralo
HBP
E-3705

Yates
Pet, etal
10-1-2008
VA 1011

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H.B.P.
B-2073

Southwest Roy.
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Maralo
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Yates
Pet, etal
10-1-2008
VA 1011

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9-1-2010
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Maralo
HBP
E-3705

Yates
Pet, etal
10-1-2008
VA 1011

Cont'l
H.B.P.
B-1535 1/2

Southwest Roy.
2
P68

Maralo
HBP
E-3705

Yates
Pet, etal
10-1-2008
VA 1011

Cont'l
H.B.P.
B-1535 1/2

Southwest Roy.
2
P68

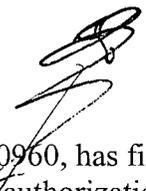
Maralo
HBP
E-3705

Yates
Pet, etal
10-1-2008
VA 1011

Cont'l
H.B.P.
B-1535 1/2

Southwest Roy.
2
P68

Maralo
HBP
E-3705



Legal Notice

Mack Energy Corporation, Post Office Box 960, Artesia, NM 88211-0960, has filed an Application with the New Mexico Oil Conservation Division seeking authorization to inject produced water into the Dogz SWD #1, located in the NE/4 of the SE/4 of Section 17, T18S R37E, NMPM, Lea County, New Mexico. The water will be injected into the Abo Reef formation at a disposal depth of 7550 feet to 84000 feet. Water will be injected at a maximum surface pressure of 1500 pounds and a maximum injection rate of 4000 BWPD. Any interested party with questions or comments may contact Jerry W. Sherrell at Mack Energy Corporation, Post Office Box 960, Artesia, New Mexico 88211-0960 or call (575) 748-1288. Objections to this application or requests for hearing must be filed with the Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505, within fifteen days of the date of the publication of this notice.

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

May 2 2008

and ending with the issue dated

May 2 2008

Kathi Bearden

PUBLISHER

Sworn and subscribed to before

me this 2nd day of

May 2008

Dora Montz

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 advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

LEGAL NOTICE
May 2, 2008
Mack Energy Corporation, Post Office Box 960, Artesia, NM 88211-0960, has filed an Application with the New Mexico Oil Conservation Division seeking authorization to inject produced water into the Dogz SWD #1, located in the NE/4 of the SE/4 of section 17, T18S, R37E, NMPM, Lea County, New Mexico. The water will be injected into the Abo Reef Formation at a disposal depth of 7550 feet to 8400 feet. Water will be injected at a maximum surface pressure of 1500 pounds and a maximum injection rate of 4000 BWPD. Any interested party with questions or comments may contact Jerry W. Sherrell at Mack Energy Corporation, Post Office Box 960, Artesia, New Mexico 88211-0960 or Call (575) 748-1288. Objections to this application or requests for hearing must be filed with the Oil Conservation Division, 1220 South Francis Drive, Santa Fe, New Mexico 87505, within fifteen days of the date of the publication of this notice.
#24034



67100900000 67550480
MACK ENERGY CORPORATION
PO BOX 960
ARTESIA,, NM 88211-0960

Notice List

T18S, R37E, Lea County, NM

Operators:

Section 16: N/2NW/4:

Chevron USA, Inc.
11111 S. Wilcrest
Houston, TX 77099

Section 16: SE/4NW/4:

EOG Resources
P.O. Box 2267
Midland, TX 79702

Section 16: SW/4NW/4, SW/4

Appears Open, Last OGL in 07/01/1998. It looks like they've all expired didn't see any production).

(is seek ?
all SLO ?)

Section 17: All

Appears Open. It looks like all OGL's have expired (didn't see any production).

(? Mark Huz
MINERAL Lease ?)

Section 20: N/2NE/4

Melanie Coll DeTemple
5653 Tobias Ave.
Van Nuys, CA 91411

Max W. Coll, III
7625-2 Centro Blvd.
Las Cruces, NM 88012

Sally Rodgers
Box 152 Arroyo Hondo Road
Santa Fe, NM 87508

Hanesco, Inc.c/o Morris Schertz, PO Box 2588, Roswell, NM 88202
Roswell, NM

Bank of America, Trustee of the V.P. Baker Family Royalty Trust
P.O. Box 830308
Dallas, TX 75283-0308

Section 21: N/2NW/4:

Chevron USA, Inc.

2 owners?
Fee Surf
Fee mineral
OK

Entire Surface for the above tracts: (SW/4, Sec. 17 & NE/4, Sec. 20 are fee and the rest is under State of New Mexico Grazing Lease.)

AC Ranch
817 N. Grimes
Hobbs, NM 88240

CHASE OIL CORPORATION

Post Office Box 1767
Artesia, New Mexico 88211-1767
Office (575) 746-9853
FAX (575) 748-7374

June 2, 2008

Commissioner of Public Lands
Attn: Paulette Lucero
Oil, Gas & Minerals Division
P.O. Box 1148
Santa Fe, New Mexico 87504-1148

RE: State of New Mexico Oil and Gas Leases

VB-1431 VB-1436 VB-1437 VB-1438 VB-1439
VB-1440 VB-1442 V0-8285 V0-8286

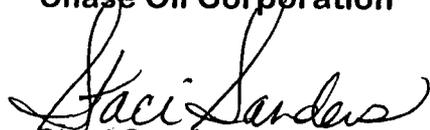
Dear Ms. Lucero:

Enclosed please find the referenced Oil and Gas Leases, which have been executed in triplicate by Chase Oil Corporation and notarized as instructed. We hereby submit said Leases for approval by the Commissioner of Public Lands. Upon approval please forward a copy of each for our files. A self addressed envelope has been enclosed for your convenience.

Please note Mack Energy Corporation, an affiliated company, will conduct all operations on these leases and has the appropriate bond filed with the State Land Office.

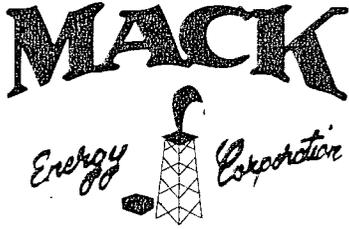
If we can be of further assistance please don't hesitate to call.

Sincerely,
Chase Oil Corporation


Staci Sanders
Land Department

/ss

Enclosures



Post Office Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

April 29, 2008

VIA CERTIFIED MAIL 7006 0100 0002 8524 7017
RETURN RECEIPT REQUESTED

AC Ranch
817 N. Grimes
Hobbs, NM 88240

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Abo Reef SWD well. Produced water will be injected at a proposed depth of 7550-8400'. The Dogz SWD #1 located 1980 FSL & 360 FEL, Sec. 17 T18S R37E, Lea County.

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to convert this well into a water disposal well. If you have any objections, you must notify the Oil Conservation Division in Santa Fe in writing at PO Box 1148, Santa Fe, NM 87504 within fifteen (15) days of receiving this letter.

Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in black ink that reads "Jerry W. Sherrell". The signature is written in a cursive style.

Jerry W. Sherrell
Production Clerk

JWS\gjs

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:

**AC Ranch
817 N. Grimes
Hobbs, NM 88240**

2. Article Number

(Transfer from service label)

7006 0100 0002 8524 7017

COMPLETE THIS SECTION ON DELIVERY

A. Signature

[Handwritten Signature] Agent Address

B. Received by (Printed Name)

[Handwritten Name]

C. Date of Delivery

[Handwritten Date]

D. Is delivery address different from item 1? Yes

If YES, enter delivery address below: No

3. Service Type

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

4. Restricted Delivery? (Extra Fee)

Yes



Post Office Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

April 29, 2008

VIA CERTIFIED MAIL 7006 0100 0002 8524 7024
RETURN RECEIPT REQUESTED

State of New Mexico Land Office,
P. O. Box 1148
Santa Fe, NM 87504

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Abo Reef SWD well. Produced water will be injected at a proposed depth of 7550-8400'. The Dogz SWD #1 located 1980 FSL & 360 FEL, Sec. 17 T18S R37E, Lea County.

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Sincerely,

MACK ENERGY CORPORATION

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Jerry W. Sherrell
Production Clerk

JWS\gjs

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

1. Article Addressed to:

State of New Mexico Land Office
P. O. Box 1148
Santa Fe, NM 87504

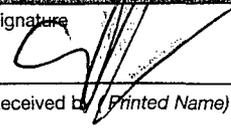
2. Article Number
(Transfer from service label)

7006 0100 0002 8524 7024

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X



- 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



3. Service Type(s)

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

4. Restricted Delivery? (Extra Fee)

Yes



Post Office Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

April 29, 2008

VIA CERTIFIED MAIL 7006 0100 0002 8524 7000
RETURN RECEIPT REQUESTED

Bank of America,
Trustee of the V.P. Baker Family Royalty Trust
P. O. Box 830308
Dallas, Tx 75283-0308

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Abo Reef SWD well. Produced water will be injected at a proposed depth of 7550-8400'. The Dogz SWD #1 located 1980 FSL & 360 FEL, Sec. 17 T18S R37E, Lea County.

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Sincerely,

MACK ENERGY CORPORATION

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Jerry W. Sherrell
Production Clerk

JWS\gjs

SENDER: COMPLETE THIS SECTION

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1. Article Addressed to:

**Bank of America,
Trustee of V.P. Baker Family Royalty
P. O. Box 830308
Dallas, TX 75283-0308**

2. Article Number
(Transfer from service label)

7006 0100 0002 8524 7000

COMPLETE THIS SECTION ON DELIVERY

A. Signature

[Handwritten Signature]

Agent

Addressee

B. Received by (Printed Name)

C. Date of Delivery

MAY 05 2004

D. Is delivery address different from item 1?

Yes

If YES, enter delivery address below:

No

3. Service Type

Certified Mail

Express Mail

Registered

Return Receipt for Merchandise

Insured Mail

C.O.D.

4. Restricted Delivery? (Extra Fee)

Yes



Post Office Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

April 29, 2008

VIA CERTIFIED MAIL 7006 0100 0002 8524 6966
RETURN RECEIPT REQUESTED

Melanie Coll De Temple
5653 Tobias Ave.
Van Nuys, CA 91411

Dear Ms. De Temple:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Abo Reef SWD well. Produced water will be injected at a proposed depth of 7550-8400'. The Dogz SWD #1 located 1980 FSL & 360 FEL, Sec. 17 T18S R37E, Lea County.

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to convert this well into a water disposal well. If you have any objections, you must notify the Oil Conservation Division in Santa Fe in writing at PO Box 1148, Santa Fe, NM 87504 within fifteen (15) days of receiving this letter.

Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in black ink that reads "Jerry W. Sherrell".

Jerry W. Sherrell
Production Clerk

JWS\gjs

SENDER COMPLETE THIS SECTION

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- 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:

**Melanie Coll DeTemple
5653 Tobias Ave.
Van Nuys, CA 91411**

2. Article Number
(transfer from service label)

7006 0100 0002 8524 6966

COMPLETE THIS SECTION ON DELIVERY

A. Signature Agent
 M. De Temple Address

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



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

4. Restricted Delivery? (Extra Fee) Yes



Post Office Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

April 29, 2008

VIA CERTIFIED MAIL 7006 0100 0002 8524 6973
RETURN RECEIPT REQUESTED

Max W. Coll, III
7625-2 Centro Blvd.
Las Cruces, NM 88012

Dear Mr. Coll:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Abo Reef SWD well. Produced water will be injected at a proposed depth of 7550-8400'. The Dogz SWD #1 located 1980 FSL & 360 FEL, Sec. 17 T18S R37E, Lea County.

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to convert this well into a water disposal well. If you have any objections, you must notify the Oil Conservation Division in Santa Fe in writing at ~~PO Box 1148~~, Santa Fe, NM ~~87504~~ within fifteen (15) days of receiving this letter.

Sincerely,

MACK ENERGY CORPORATION

Jerry W. Sherrell
Production Clerk

JWS\gjs

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:

Max W. Coll, III
7625-2 Centro Blvd.
Las Cruces, NM 88012

2. Article Number

(Transfer from service label)

7006 0100 0002 8524 6973

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *[Handwritten 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

3. Service Type

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

4. Restricted Delivery? (Extra Fee)

Yes



Post Office Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

April 29, 2008

VIA CERTIFIED MAIL 7006 0100 0002 8524 6843
RETURN RECEIPT REQUESTED

Chevron USA, Inc..
11111 S. Wilcrest
Houston, Tx 77099

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Abo Reef SWD well. Produced water will be injected at a proposed depth of 7550-8400'. The Dogz SWD #1 located 1980 FSL & 360 FEL, Sec. 17 T18S R37E, Lea County.

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to convert this well into a water disposal well. If you have any objections, you must notify the Oil Conservation Division in Santa Fe in writing at ~~PO Box 1148~~, Santa Fe, NM 87504 within fifteen (15) days of receiving this letter.

Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in black ink that reads "Jerry W. Sherrell".

Jerry W. Sherrell
Production Clerk

JWS\gjs



Post Office Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

April 29, 2008

VIA CERTIFIED MAIL 7006 0100 0002 8524 6850
RETURN RECEIPT REQUESTED

EOG Resources
P. O. Box 2267
Midland, Tx 79702

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Abo Reef SWD well. Produced water will be injected at a proposed depth of 7550-8400'. The Dogz SWD #1 located 1980 FSL & 360 FEL, Sec. 17 T18S R37E, Lea County.

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to convert this well into a water disposal well. If you have any objections, you must notify the Oil Conservation Division in Santa Fe in writing at ~~PO Box 1148~~, Santa Fe, NM ~~87504~~ within fifteen (15) days of receiving this letter.

Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in cursive script that reads "Jerry W. Sherrell".

Jerry W. Sherrell
Production Clerk

JWS\gjs

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:

**EOG Resources
P. O.Box 2267
Midland, Tx 79702**

2. Article Number

(Transfer from service label)

7006 0100 0002 8524 6850

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

Bell

- Agent
- Address

B. Received by *Bell* Printed Name

C. Date of Delive

5/2/08

D. Is delivery address different from item 1? If YES, enter delivery address below:

- Yes
- No

3. Service Type

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

4. Restricted Delivery? (Extra Fee)

- Yes



Post Office Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

June 11, 2008

VIA CERTIFIED MAIL 7006 0100 0002 8524 6300
RETURN RECEIPT REQUESTED

Bureau of Land Management
414 W. Taylor
Hobbs, NM 88240

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for an Abo Reef SWD well. Produced water will be injected at a proposed depth of 7,500-8,400'. The Dogz SWD #1 located 1980 FSL & 360 FEL, Sec. 17 T18S R37E, Lea County.

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to convert this well into a water disposal well. If you have any objections, you must notify the Oil Conservation Division in Santa Fe in writing at ~~PO Box 1148~~, Santa Fe, NM 87504 within fifteen (15) days of receiving this letter.

Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in cursive script that reads "Jerry W. Sherrell".

Jerry W. Sherrell
Production Clerk

JWS/dw



Post Office Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9539

April 29, 2008

VIA CERTIFIED MAIL 7006 0100 0002 8524 6997
RETURN RECEIPT REQUESTED

Hanesco, Inc.
c/o Morris Schertz
P. O. Box 2588
Roswell, NM 88202

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Abo Reef SWD well. Produced water will be injected at a proposed depth of 7550-8400'. The Dogz SWD #1 located 1980 FSL & 360 FEL, Sec. 17 T18S R37E, Lea County.

This letter will serve as a notice that Mack Energy Corporation has requested administrative approval from the NMOCD to convert this well into a water disposal well. If you have any objections, you must notify the Oil Conservation Division in Santa Fe in writing at PO Box 1148, Santa Fe, NM 87504 within fifteen (15) days of receiving this letter.

Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in cursive script that reads "Jerry W. Sherrell".

Jerry W. Sherrell
Production Clerk

JWS\gjs

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:

**Hanesco, Inc.
c/o Morris Schertz
P. O. Box 2588
Roswell, NM 88202**

2. Article Number
(Transfer from service label)

7006 0100 0002 8524 6997

COMPLETE THIS SECTION ON DELIVERY

- A. Signature
x *Morris Schertz* Agent Address
- B. Received by (Printed Name) **Morris Schertz** C. Date of Delivery **4-30-05**
- D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

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

4. Restricted Delivery? (Extra Fee) Yes

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Tuesday, June 03, 2008 10:27 AM
To: 'Jerry Sherrell'
Cc: Ezeanyim, Richard, EMNRD; Warnell, Terry G, EMNRD; Kautz, Paul, EMNRD
Subject: SWD application on behalf of Mack Energy Corp: Dogz SWD #1 located Unit I Sec 17, T18S, R37E, Lea County

Tracking:	Recipient	Read
	'Jerry Sherrell'	
	Ezeanyim, Richard, EMNRD	
	Warnell, Terry G, EMNRD	
	Kautz, Paul, EMNRD	Read: 6/3/2008 10:28 AM

Hello Mr. Jerry:

Here are a few questions and requests concerning this application:

- 1) From your Landman or yourself:
 - a) Please let me know when you get the well permitted and let me know the API number? When do you plan to get it permitted?
 - b) I was going to ask if Mack had a mineral lease in the injection interval (covering this area) from the State Land Office, but our ONGARD system shows "Chase Oil Corporation" as the lessee in this area - if this is true, please get a signed waiver from an official at Chase or formally notify them or include a statement that the Operator for Chase will be Mack Energy Corp. I believe the same people own Chase as Mack?
 - c) Please send again the list of parties notified (including the surface owner: State Land Office) and put the certified receipt number beside each name - or just send a copy of each notification.
 - d) Also formally notice the BLM as the mineral interest owner in the SW/4 of Section 17
 - e) Send a copy of the newspaper notice
- 2) From your Geologist/Engineer:
 - a) Please have your geologist work with Paul Kautz and send to me an agreed set of formation tops - starting above 7550 feet and extending below 8400 feet. If there is a controversy over these tops, let me know in the application. For example, an offset wellfile has this target interval labelled as Lower Clearfork, Wichita Albany, and Abo. If this is all Abo Reef, where is the top and bottom of this Reef?
 - b) Ideally you should always have your geologist sign the "affirmative statement" as to Section XII of form C-108.
 - c) Ask your geologist for a small statement as to the expected oil or gas productivity of the target injection interval in this well and the nearest production from this interval.
 - d) What diagnostics will be used to evaluate the well being drilled for hydrocarbons - mudlog, elogs, dsts, swab tests, etc.
- 3) Water Analysis
 - a) Please talk about the fresh water in this area, the depths and closest water wells or windmills. Get a new fresh water sample and send the analysis in.
 - b) Please send a representative water analysis of Drinkard and San Andres waters that you intend to dispose into this well.
 - c) Send a water analysis from any well completed in the Abo Reef (or other target injection formations). Or do you intend to swab test and send it later?
- 4) Type of disposal well: Lease disposal/ Off lease disposal / Commercial disposal.
 There does not seem to be any lease production? - so was the surface owner (SLO) notified that off-lease disposal will occur?

Thank You

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

6/3/2008

Jones, William V., EMNRD

From: Kautz, Paul, EMNRD
Sent: Tuesday, June 03, 2008 3:56 PM
To: Charles Sadler
Cc: Jerry Sherrell; Jones, William V., EMNRD
Subject: RE: SWD application on behalf of Mack Energy Corp: Dogz SWD #1 located Unit I Sec 17, T18S, R37E, Lea County

Charles

They look ok to me

Paul Kautz

From: Charles Sadler [mailto:charless@mackenergycorp.com]
Sent: Tuesday, June 03, 2008 3:34 PM
To: Kautz, Paul, EMNRD
Cc: Jerry Sherrell
Subject: RE: SWD application on behalf of Mack Energy Corp: Dogz SWD #1 located Unit I Sec 17, T18S, R37E, Lea County

Paul,

As requested in #2 in the email below, I have picked the following tops for the Dogz SWD #1. If there are any changes to these tops please let me know.

Rustler	1680'
Yates	2996'
Seven Rivers	3314'
Queen	3926'
Grayburg	4318'
San Andres	4707'
Glorieta	5665'
Blinebry	5870'
Tubb	6865'
Drinkard	6985'
Abo <i>Shale</i>	7610'
Abo Reef	7990'
Wolfcamp	9095'

With respect to the tops in question on the Phillips State B-243 #1, located 330 FNL & 860 FWL in Section 16, T18S, R37E, the lower Clearfork and Wichita Albany are "Texas" tops equivalent to the Drinkard and Abo. I propose that the Wichita Albany in this area is equivalent to the Abo Shale which commonly occurs above the Abo Reef. Therefore, my Abo top in the Dogz SWD #1 is the top of the Abo Shale.

I anticipate the Abo Reef to be in the interval of 7990 – 8540'.

Please let me know if you agree with my recommendations. Thanks for your assistance.

Charles Sadler
 Geologist
 Mack Energy Corp.
 575-748-1288
 575-748-6893 (cell)

From: Jerry Sherrell
Sent: Tuesday, June 03, 2008 10:44 AM

6/3/2008

RECEIVED

2008 JUN 16 PM 2 13

Jerry Sherrell

From: Mull, Donna, EMNRD [donna.mull@state.nm.us]
Sent: Thursday, June 12, 2008 11:19 AM
To: Jerry Sherrell
Subject: RE: Dogz Swd #1

30-025-38963

From: Jerry Sherrell [mailto:jerrys@mackenergycorp.com]
Sent: Thu 6/12/2008 9:11 AM
To: Mull, Donna, EMNRD
Cc: Deana Weaver
Subject: Dogz Swd #1

Donna, could you please give me the API# for this APD.

Thanks,

Jerry W. Sherrell
Mack Energy Corporation
Office 505-748-1288
Cell 505-703-8383
jerrys@mackenergycorp.com

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6/12/2008



United States Department of the Interior

RECEIVED

BUREAU OF LAND MANAGEMENT

Carlsbad Field Office

620 E. Greene St.

Carlsbad, NM 88220-6292



2008 JUN 27 PM 2 52

June 25, 2008

William Jones
New Mexico Oil Conservation Division
P. O. Box 1148
Santa Fe, NM 87505

Dear Mr. Jones:

This letter is in response to an Application for an Authorization to Inject (Form C-108), filed by Mack Energy, for the Dogz SWD #1 located 1980' FSL & 360' FEL, Section 17 T18S R37E. We appreciate the opportunity to comment on said action.

As a result of our review, one concern that came forward is that we are not completely sure where the top of the cement is in the 5½ casing annulus. We would appreciate further verification as to where the cement is located for that casing string annulus. We would also be interested to know if there was a bond log run and if not, is one going to be run? Any information you can provide concerning this well will be appreciated.

Please feel free to contact Wesley Ingram at (575) 234-5982.

Sincerely,

GW - James Stovall
Field Manager

Wesley Ingram - 575-234-5982

Jones, William V., EMNRD

From: Jerry Sherrell [jerrys@mackenergycorp.com]
Sent: Tuesday, July 08, 2008 3:27 PM
To: Jones, William V., EMNRD
Subject: RE: SWD application on behalf of Mack Energy Corp: Dogz SWD #1 located Unit I Sec 17, T18S, R37E, in Lea County
Attachments: MX-7000N_20080708_150630.pdf

Will,
 Attached is an analysis of 1 producing fresh water well within one mile of this proposed disposa well. A Sample of the water produced from our Boyz Fee #1 well which will be disposed of into this proposed well. This will be an off lease disposal at this time. There is not a producing well in the Abo Reef, to get a water sample. Looks like we will have to swab test and send later. A application for a SWD lease has been submitted to the SLO.

Jerry

From: Jones, William V., EMNRD [mailto:William.V.Jones@state.nm.us]
Sent: Tuesday, July 08, 2008 2:54 PM
To: Jerry Sherrell
Subject: RE: SWD application on behalf of Mack Energy Corp: Dogz SWD #1 located Unit I Sec 17, T18S, R37E, in Lea County

Jerry:
 Thanks to you and Charles for this.

Now all that remains is the questions numbered 3 and 4 below...

From: Jerry Sherrell [mailto:jerrys@mackenergycorp.com]
Sent: Tuesday, July 08, 2008 2:26 PM
To: Jones, William V., EMNRD
Cc: Charles Sadler; Matt Brewer; Wesley_Ingram@nm.blm.gov
Subject: FW: SWD application on behalf of Mack Energy Corp: Dogz SWD #1 located Unit I Sec 17, T18S, R37E, in Lea County

Hello Will,

I called the BLM office to visit with Wesley, but he is out of the office. He should be back tomorrow and I will call again. According to calculations the cement volume should be more than enough to circulate to surface, but I will see what BLM's concern is anyway.

I will make the necessary address correction on my notices for future applications, thanks.

Jerry

From: Charles Sadler
Sent: Tuesday, July 08, 2008 1:33 PM
To: Jerry Sherrell
Subject: RE: SWD application on behalf of Mack Energy Corp: Dogz SWD #1 located Unit I Sec 17, T18S, R37E, in Lea County

Jerry,

Injection will be limited to the Abo Reef.

7/8/2008

The Abo Reef is not prospective for oil and/or gas at the Dogz SWD #1 location in Section 17, T18S, R37E. The Abo Reef was evaluated and found to be non productive in Section 19, located on the Abo Reef trend and 1 mile to the southwest of the proposed Dogz SWD #1. The Dogz SWD #1 is structurally low to the wells in Section 19. The State GG 30 #1, located approximately 2 ¼ miles to the southwest in Section 30, T18S, R37E, is the nearest Abo Reef production.

Openhole e-logs will be run across the Abo Reef to evaluate the disposal zones and confirm that the Abo Reef is not productive.

If I missed any questions please let me know.

Charles

From: Jerry Sherrell

Sent: Tuesday, July 08, 2008 12:26 PM

To: Charles Sadler; Matt Brewer

Subject: FW: SWD application on behalf of Mack Energy Corp: Dogz SWD #1 located Unit I Sec 17, T18S, R37E, in Lea County

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

Sent: Tuesday, July 08, 2008 11:11 AM

To: Jerry Sherrell

Cc: Ezeanyim, Richard, EMNRD; Kautz, Paul, EMNRD; Wesley_Ingram@nm.blm.gov

Subject: SWD application on behalf of Mack Energy Corp: Dogz SWD #1 located Unit I Sec 17, T18S, R37E, in Lea County

Hello Jerry:

I had received lots of paperwork pertaining to the questions sent to you earlier, so picked this application up again today to review.

The BLM (as an offsetting owner) is concerned about the expected cement top behind the 5-1/2 inch casing - you may have your cementing person call Wes Ingram with the BLM at 575-234-5982. The injection permit may require a bond log or temp survey to be run and sent to the State for records purposes - be sure and pass this info on to your completions engineer.

Your notices all say to contact the OCD at PO Box 1148, Santa Fe, NM 87504 in case of concern with the application. This is the State Land Office address. I believe everyone you noticed knows this was an error - so you don't need to correct this, unless you are noticing again to correct the formation names.

After Charles picked the formation tops, it appears Mack's proposed 7550 to 8400 feet injection interval is actually into the Lower Drinkard, the Abo Shale, and the Abo Reef. Your notice to all the parties says injection will be into the Abo Reef. Do you intend to confine injection into the Reef (which tops at 7990 according to Charles)? Let me know. If so, your notice is OK. HOWEVER, IF you still intend to inject starting in the Lower Drinkard - then your notices need to be re-sent stating this fact.

From the questions sent earlier, still missing answers to the following:

- 2) From your Geologist/Engineer:
 - c) Ask your geologist for a small statement as to the expected oil or gas productivity of the target injection interval in this well and the nearest production from this interval.
 - d) What diagnostics will be used to evaluate the well being drilled for hydrocarbons - mudlog, elogs, dsts, swab tests, etc.
- 3) Water Analysis
 - a) Please talk about the fresh water in this area, the depths and closest water wells or windmills. Get a new fresh water sample and send the analysis in.
 - b) Please send a representative water analysis of Drinkard and San Andres waters that you intend to dispose into this well.
 - c) Send a water analysis from any well completed in the Abo Reef (or other target injection formations). Or do you intend to swab test and send it later?
- 4) Type of disposal well: Lease disposal/ Off lease disposal / Commercial disposal.
 There does not seem to be any lease production? - so was the surface owner (SLO) notified that off-lease disposal will occur?

Thank You

7/8/2008

Injection Permit Checklist 2/8/07

SWD Order Number 1133 Dates: Division Approved _____ District Approved _____

Well Name/Num: DOGZ SWD #1 Date Spudded: _____

API Num: (30-) 025-38963 County: Lea

Footages 1980 FAL/360 FEL Sec 17 Tsp 18S Rge 37E

Operator Name: Mack Energy Corp. Contact Jerry W. Stowell

Operator Address: PO Box 960 Artesia NM 88211-0960

Current Status of Well: Planned New Drill Planned Work: _____ Inj. Tubing Size: 2 7/8" e7450'

Rule 48 = OK
 FA = OK
 OGRID = 13837
 2/258 = OK

	Hole/Pipe Sizes		Depths	Cement	Top/Method
Surface	17 1/2	13 3/8	380	450	CIRC
Intermediate	2 1/4	8 5/8	3105'	1400	CIRC
Production	7 7/8	5 1/2	8200'	2000	
Last DV Tool					
Open Hole/Liner					
Plug Back Depth					

Diagrams Included (Y/N): Before Conversion _____ After Conversion

Checks (Y/N): Well File Reviewed _____ ELogs in Imaging _____

Intervals:	Depths	Formation	Producing (Yes/No)
Salt/Potash	1200-2000	1680-2996	
Capitan Reef	4707	SA	
Cliff House, Etc:	4820 TOP	SA	
Formation Above	2440 TOP	DRINKARD	
Top Inj Interval	7050	LOW DRINKARD ABO REEF	NO
Bottom Inj Interval	8400-8540	ABO REEF	NO
Formation Below	9868'	WC TOP	

1600 PSI Max. WHIP
 NO Open Hole (Y/N)
 NO Deviated Hole (Y/N)

Fresh Water: Depths: _____ Wells(Y/N) _____ Analysis Included (Y/N): _____ Affirmative Statement

Salt Water Analysis: Injection Zone (Y/N/NA) _____ DispWaters (Y/N/NA) _____ Types: DRINKARD/SA

Notice: Newspaper(Y/N) _____ Surface Owner SLO? Mineral Owner(s) _____

Other Affected Parties: Nadell Gussman / yata / Chavez / Ed G Rza / MWCole

AOR/Repairs: NumActiveWells 0 Repairs? _____ Producing in Injection Interval in AOR NO

AOR Num of P&A Wells 0 Repairs? _____ Diagrams Included? _____ RBDMS Updated (Y/N) _____

Well Table Adequate (Y/N) _____ AOR STRs: Sec _____ Tsp _____ Rge _____ UIC Form Completed (Y/N) _____

New AOR Table Filename _____ Sec _____ Tsp _____ Rge _____ This Form completed _____

Conditions of Approval: Sec _____ Tsp _____ Rge _____ Data Request Sent _____

Owners BY TRACT around well? NOTICES?
 Navigable?
 FM TOPS? WATERS? DV TOOL 2 1/2"? Fresh w.? commercial? or only lease?
 AOR Required Work: Get GEO TO SIGN AFFIRM. STATEMENT.

NOTICE BLM as Minn owner SW/417

Required Work to this Well: WAIVER FROM CHORE OIL CORP.