

DATE IN 11/06/2014	SUSPENSE	ENGINEER PRG	LOGGED IN 11/06/2014	TYPE SWD	APP NO. DMAM1400660055
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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 _____

Mack
Airplane SWD #1
30-005-64189
New Well

[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

2014 JUN -6 P 4:17
RECEIVED

[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.

Deana Weaver
Print or Type Name

Signature

Production Clerk
Title

Date

Deana Weaver
e-mail Address

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: Deana Weaver PHONE: (575)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.).
- 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 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: Deana Weaver

TITLE: Production Clerk

SIGNATURE: Deana Weaver

DATE: 1.3.14

* **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:** _____

INJECTION WELL DATA SHEET

OPERATOR: **Mack Energy Corporation**WELL NAME & NUMBER: **Airplane SWD #1**WELL LOCATION: **1320 FSL & 760 FEL****I****32****14S****29E**

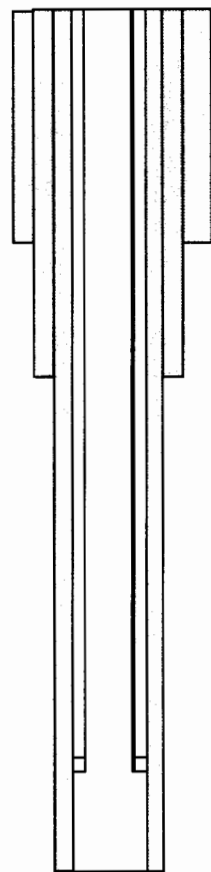
FOOTAGE LOCATION

UNIT LETTER

SECTION

TOWNSHIP

RANGE

WELLBORE SCHEMATIC**WELL CONSTRUCTION DATA**Surface Casing13 3/8" casing @ 200', Cem w/ 250sx,
circ8 5/8" casing @ 2280', Cem /1000sx,
circ2 7/8" PC tubing @ 10,025'
Set w/ 10k Nickel Plated PKR

Perfs from 10,075' to 11,550'

5 1/2" casing @ 11,700', Cem w/ 1600sx
circ

TD @ 11,700'

Hole Size: 17 1/2" Casing Size: 13 3/8", H-40Cemented with: 250sx sx. or _____ ftTop of Cement: Surface ✓ Method Determined: CirculatedIntermediate CasingHole Size: 12 1/4" Casing Size: 8 5/8", J-55Cemented with: 1000sx sx. or _____ ftTop of Cement: Surface ✓ Method Determined: CirculatedProduction CasingHole Size: 7 7/8" Casing Size: 5 1/2", P-110Cemented with: 1600sx sx. or _____ ftTop of Cement: Surface ✓ Method Determined: CirculatedTotal Depth: 11,700'Injection Interval10,075' feet to 11,550'

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEETTubing Size: 2 7/8" Lining Material: Plastic CoatedType of Packer: Halliburton Trump PackerPacker Setting Depth: 10,025'

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: Mississippian, Woodford, Devonian, Montoya, Simpson, Ellenburger

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

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. N/A

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Overlying- Atoka, Underlying- Granite

VII. DATA SHEET: PROPOSED OPERATIONS

1. Proposed average and maximum daily rate and volume of fluids to be injected;
Respectively, 2000 BWPD and 4000 BWPD
2. The system is closed or open;
Closed
3. Proposed average and maximum injection pressure;
0-1940#
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

1. Lithologic Detail; **Limestone, dolomite, sandstone, shale**
2. Geological Name; **SWD; Mississippian; Woodford; Devonian; Montoya; Simpson; Ellenburger**
3. Thickness; **1475'**
4. Depth; **10,075'-11,550' |**

IX. PROPOSED STIMULATION PROGRAM

1. To be treated with 10000 gallons 15% acid

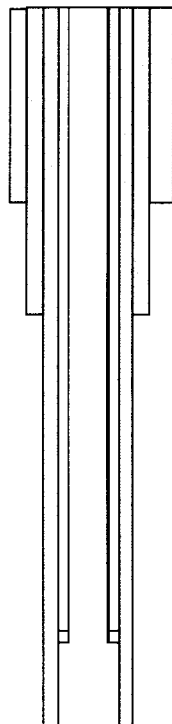
X. LOGS AND TEST DATA

1. Well data will be filed with the OCD.

XI. ANALYSIS OF FRESHWATER WELLS

1. Will be forwarded, when complete.

Additional Information
Waters Injected: San Andres



13 3/8" casing @ 200', Cem w/ 250sx,
circ

8 5/8" casing @ 2280', Cem /1000sx,
circ

2 7/8" PC tubing @ 10,025'
Set w/ 10k Nickel Plated PKR

Perfs from 10,075' 11,550'

5 1/2" casing @ 11,700', Cem w/ 1600sx
circ

TD @ 11,700'

Airplane SWD #1
Sec. 32 T14S R29E
1320' FSL & 760' FEL

Formation Tops:

Top Salt- 200'
Base Salt- 790'
Yates- 915'
Seven Rivers- 1150'
Queen- 1665'
Grayburg- 2000'
San Andres- 2280'
Glorieta- 3725'
Tubb- 5100'
Abo- 5825'
Wolfcamp- 7050'
Canyon- 8500'
Strawn- 8860'
Atoka- 9100'
Chester- 9550'
Woodford- 10150'
Devonian- 10250'
Montoya- 11050'
Simpson- 11150'
Ellenburger- 11200'
Base Ellenburger- 11550'

$11200 + 100 \rightarrow 11300 + 50$
10075 to 11300
1225'

Top 100'

XII. AFFIRMATIVE STATEMENT

RE: Airplane 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: 1/2/14

Cari Moreno
Cari Moreno, Geologist

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code		³ Pool Name	
⁴ Property Code		⁵ Property Name AIRPLANE SWD			⁶ Well Number 1
⁷ OGRID No. 13837		⁸ Operator Name MACK ENERGY CORPORATION			⁹ Elevation 3782.1

¹⁰ Surface Location

UL or lot no. I	Section 32	Township 14 S	Range 29 E	Lot Idn	Feet from the 1320	North/South line SOUTH	Feet from the 760	East/West line EAST	County CHAVES
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<p>N89°21'34"E 2638.90 FT</p> <p>NW CORNER SEC. 32 LAT. = 33.0665601°N LONG. = 104.0589187°W NMSP EAST N = 751838.32 E = 584067.84</p> <p>N/4 CORNER SEC. 32 LAT. = 33.0666219°N LONG. = 104.0503074°W NMSP EAST N = 751867.79 E = 586705.89</p> <p>NE CORNER SEC. 32 LAT. = 33.0666896°N LONG. = 104.0416952°W NMSP EAST N = 751899.66 E = 589344.22</p> <p>W/4 CORNER SEC. 32 LAT. = 33.0594045°N LONG. = 104.0589703°W NMSP EAST N = 749234.92 E = 584058.84</p> <p>E/4 CORNER SEC. 32 LAT. = 33.0590923°N LONG. = 104.0416098°W NMSP EAST N = 749135.68 E = 589378.03</p> <p>NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1927 (NAD27). NEW MEXICO STATE PLANE EAST COORDINATES ARE SHOWN IN NAD27 DATUM.</p> <p>AIRPLANE SWD #1 ELEV. = 3782.1 LAT. = 33.0557447°N (NAD27) LONG. = 104.0440802°W NMSP EAST (NAD 27) N = 747915.64 E = 588624.52</p> <p>W/4 CORNER SEC. 32 LAT. = 33.0521810°N LONG. = 104.0503199°W NMSP EAST N = 746613.89 E = 586716.23</p> <p>SE CORNER SEC. 32 LAT. = 33.0520914°N LONG. = 104.0415898°W NMSP EAST N = 746588.62 E = 589391.24</p> <p>COMPUTED</p>		<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><u>Deana Weaver</u> 1.3.14 Signature Date</p> <p>Deana Weaver Printed Name</p> <p><u>dweaver@mec.com</u> E-mail Address</p> <p>¹⁸ SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>AUGUST 5, 2013 Date of Survey</p> <p><u>[Signature]</u> Signature and Seal of Professional Surveyor</p> <p>Certificate Number FILEMON F. JARAMILLO, PLS 12797 SURVEY NO. 2060</p>
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Deana Weaver

From: Mike Jorren <mike.jorren@catalystoilfield.com>
Sent: Tuesday, November 26, 2013 6:58 PM
To: Deana Weaver
Subject: RE: Airplane SWD #1

Deana,
There are no signs of fresh water wells anywhere that I can see. If there were any they have been abandoned.
Thanks,
Mike J.

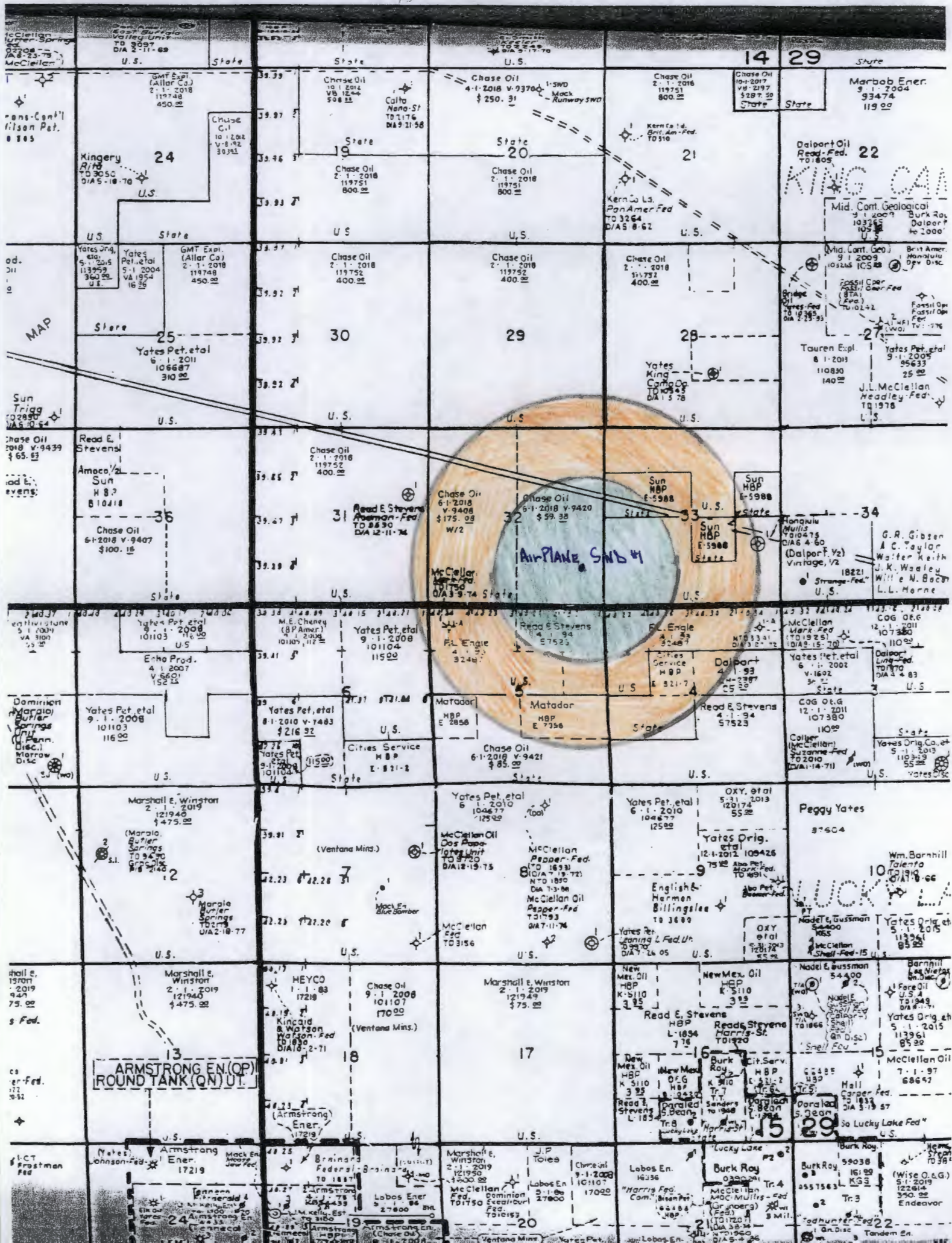
From: Deana Weaver [mailto:dweaver@mec.com]
Sent: Thursday, November 21, 2013 1:20 PM
To: Mike.Jorren@catalystoilfield.com
Cc: Jerry Sherrell
Subject: Airplane SWD #1

Mike

We have a new SWD well, the Airplane SWD #1. It is located in NE/4 SE/4 Sec. 32 T14S R29E, 1320 FSL & 760 FEL. Could you please get me a water sample from nearby water wells? I will place a map at the front desk.

Thank you

Deana Weaver
Mack Energy Corp
575-748-1288



AREA OF REVIEW WELL DATA

[illegible]

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 Airplane SWD #1 1320 FSL & 760 FEL of Section 32, T14S R29E, NMPM, Chaves County, New Mexico. The water will be injected into the Mississippian-Woodford-Devonian-Montoya-Simpson-Ellenburger formations at a disposal depth of 10,075-11,550'. Water will be injected at a maximum surface pressure of 1940 pounds and a maximum injection rate of 4000 BWPD. Any interested party with questions or comments may contact Deana Weaver 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.



P.O. Box 960
Artesia, NM 88211-0960
Office (575) 748-1288
Fax (575) 746-9559

January 3, 2014

VIA CERTIFIED MAIL 7013 0600 0001 7892 3412
RETURN RECEIPT REQUESTED

Bureau of Land Management
2909 W. Second St.
Roswell, NM 88201-2019

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Mississippian-Woodford-Devonian-Montoya-Simpson-Ellenburger SWD well. Produced water will be injected at a proposed depth of 10,075-11,550'. The Airplane SWD #1 located 1320 FSL & 760 FEL, Sec. 32 T14S R29E, Chaves 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 1220 South St. Francis Drive, Santa Fe, NM 87505 within fifteen (15) days of receiving this letter.

Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in cursive script that reads "Deana Weaver".

Deana Weaver
Production Clerk

DWM

Attachments



P.O. Box 960
Artesia, NM 88211-0960
Office (505) 748-1288
Fax (505) 746-9539

January 3, 2014

VIA CERTIFIED MAIL 7013 0600 0001 7892 3429
RETURN RECEIPT REQUESTED

Commissioner of Public Lands
PO Box 1148
Santa Fe, NM 87504-1148

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Mississippian-Woodford-Devonian-Montoya-Simpson-Ellenburger SWD well. Produced water will be injected at a proposed depth of 10,075-11,550'. The Airplane SWD #1 located 1320 FSL & 760 FEL, Sec. 32 T14S R29E, Chaves County.

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Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in black ink that reads "Deana Weaver".

Deana Weaver
Production Clerk

DW

Attachments



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

January 3, 2014

VIA CERTIFIED MAIL 7013 0600 0001 7892 3436
RETURN RECEIPT REQUESTED

Burk Royalty Company, LTD.
P.O. Box 94903
Wichita Falls, TX 76308


Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Mississippian-Woodford-Devonian-Montoya-Simpson-Ellenburger SWD well. Produced water will be injected at a proposed depth of 10,075-11,550'. The Airplane SWD #1 located 1320 FSL & 760 FEL, Sec. 32 T14S R29E, Chaves County.

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Sincerely,

MACK ENERGY CORPORATION


Deana Weaver
Production Clerk

DWM

Attachments



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

January 3, 2014

VIA CERTIFIED MAIL 7013 0600 0001 7892 3443
RETURN RECEIPT REQUESTED

Leon M. Lampert
1134 The 600 Building
Corpus Christi, TX 78437

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Mississippian-Woodford-Devonian-Montoya-Simpson-Ellenburger SWD well. Produced water will be injected at a proposed depth of 10,075-11,550'. The Airplane SWD #1 located 1320 FSL & 760 FEL, Sec. 32 T14S R29E, Chaves County.

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Sincerely,

MACK ENERGY CORPORATION

Deana Weaver
Deana Weaver
Production Clerk

DW

Attachments



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

January 3, 2014

VIA CERTIFIED MAIL 7013 0600 0001 7892 3450
RETURN RECEIPT REQUESTED

Harry L. Todd, Jr.
14017 Tanglewood Circle
Dallas, TX 75234

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Mississippian-Woodford-Devonian-Montoya-Simpson-Ellenburger SWD well. Produced water will be injected at a proposed depth of 10,075-11,550'. The Airplane SWD #1 located 1320 FSL & 760 FEL, Sec. 32 T14S R29E, Chaves County.

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Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in black ink that reads "Deana Weaver".

Deana Weaver
Production Clerk

DW

Attachments



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

January 3, 2014

VIA CERTIFIED MAIL 7013 0600 0001 7892 3467
RETURN RECEIPT REQUESTED

Raymond L. Todd
1107 Shawnee Trail
Carrollton, TX 75007

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Mississippian-Woodford-Devonian-Montoya-Simpson-Ellenburger SWD well. Produced water will be injected at a proposed depth of 10,075-11,550'. The Airplane SWD #1 located 1320 FSL & 760 FEL, Sec. 32 T14S R29E, Chaves County.

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Sincerely,

MACK ENERGY CORPORATION


Deana Weaver
Production Clerk

DWM

Attachment



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

January 3, 2014

VIA CERTIFIED MAIL 7013 0600 0001 7892 3474
RETURN RECEIPT REQUESTED

Tommy T. Todd
7912 Purdue
Dallas, TX 75225

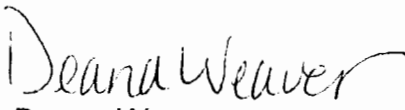
Gentlemen:

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Sincerely,

MACK ENERGY CORPORATION


Deana Weaver
Production Clerk

DW

Attachments



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

January 3, 2014

VIA CERTIFIED MAIL 7013 0600 0001 7892 3481
RETURN RECEIPT REQUESTED

Anne T. Barfield
P.O. Box 738
Wimberley, TX 78676

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Mississippian-Woodford-Devonian-Montoya-Simpson-Ellenburger SWD well. Produced water will be injected at a proposed depth of 10,075-11,550'. The Airplane SWD #1 located 1320 FSL & 760 FEL, Sec. 32 T14S R29E, Chaves County.

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Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in black ink that reads "Deana Weaver". The signature is written in a cursive, flowing style.

Deana Weaver
Production Clerk

DWM

Attachments



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

January 3, 2014

VIA CERTIFIED MAIL 7013 0600 0001 7892 3498
RETURN RECEIPT REQUESTED

Thomas E. Todd, Jr.
204 McBride
PO Box 338
Ruidoso, NM 88345

Gentlemen:

Enclosed for your review, is a copy of Mack Energy Corporation's application for a Mississippian-Woodford-Devonian-Montoya-Simpson-Ellenburger SWD well. Produced water will be injected at a proposed depth of 10,075-11,550'. The Airplane SWD #1 located 1320 FSL & 760 FEL, Sec. 32 T14S R29E, Chaves 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 1220 South St. Francis Drive, Santa Fe, NM 87505 within fifteen (15) days of receiving this letter.

Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in black ink that reads "Deana Weaver".

Deana Weaver
Production Clerk

DW

Attachments



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

January 3, 2014

VIA CERTIFIED MAIL 7013 0600 0001 7892 3504
RETURN RECEIPT REQUESTED

Margaret Todd Sherrill
313 Jemez Drive
Hobbs, NM 88240

Gentlemen:

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MACK ENERGY CORPORATION


Deana Weaver
Production Clerk

DW

Attachments



P.O. Box 960
Artesia, NM 88211-0960
Office (505) 748-1288
Fax (505) 746-9559

January 3, 2014

VIA CERTIFIED MAIL 7013 0600 0001 7892 3511
RETURN RECEIPT REQUESTED

Margaret Todd Sherrill
Thomas E. Todd as Joint Tenants
313 Jemez Drive
Hobbs, NM 88240

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MACK ENERGY CORPORATION


Deana Weaver
Production Clerk

DW

Attachments



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

January 3, 2014

VIA CERTIFIED MAIL 7013 0600 0001 7892 3528
RETURN RECEIPT REQUESTED

Headington Royalty, Inc.
7557 Rambler Road, Suite 1150
Dallas, TX 75231

Gentlemen:

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Sincerely,

MACK ENERGY CORPORATION

A handwritten signature in cursive script that reads "Deana Weaver".

Deana Weaver
Production Clerk

DWM

Attachments



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

January 3, 2014

VIA CERTIFIED MAIL 7013 0600 0001 7892 3535
RETURN RECEIPT REQUESTED

Oxy USA WTP, LP
P.O. Box 27570
Houston, TX 77227

Gentlemen:

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MACK ENERGY CORPORATION

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Deana Weaver
Production Clerk

DW

Attachments

Application Seeking Authorization...

Publish January 7, 2014

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 Airplane SWD #1 1320 FSL & 760 FEL of Section 32, T14S R29E, NMPM, Chaves County, New Mexico. The water will be injected into the Mississippian-Woodford-Devonian-Montoya-Simpson-Ellenburger formations at a disposal depth of 10,075-11,550'. Water will be injected at a maximum surface pressure of 1940 pounds and a maximum injection rate of 4000 BWPd. Any interested party with questions or comments may contact Deana Weaver 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.

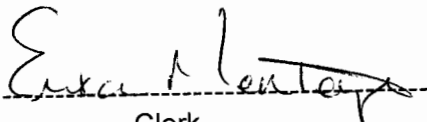
AFFIDAVIT OF PUBLICATION
STATE OF NEW MEXICO

I, Erika Montoya
Legals Clerk

Of the Roswell Daily Record, a daily newspaper published at Roswell, New Mexico do solemnly swear that the clipping hereto attached was published in the regular and entire issue of said paper and not in a supplement thereof for a period of:

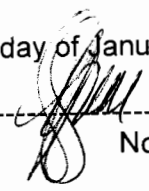
One time with the issue dated

January 7, 2014


Clerk

Sworn and subscribed to before me

this 8th day of January, 2014


Notary Public

My Commission expires
June 13, 2014

(SEAL)

***Application Seeking
Authorization...***

Publish January 7, 2014

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 Airplane SWD #1 1320 FSL & 760 FEL of Section 32, T14S R29E, NMPM, Chaves County, New Mexico. The water will be injected into the Mississippian-Woodford-Devonian-Montoya-Simpson-Ellenburger formations at a disposal depth of 10,075-11,550'. Water will be injected at a maximum surface pressure of 1940 pounds and a maximum injection rate of 4000 BWPD. Any interested party with questions or comments may contact Deana Weaver 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.



C-108 Review Checklist:

Received

01/04/14

Add. Request:

Reply Date:

Suspended:

[Ver 13]

PERMIT TYPE: WFX / PMX

SWD

Number:

1476

Permit Date:

04/14/14

Legacy Permits/Orders:

NA

Well No. 1

Well Name(s):

Airplane SWD

API: 30-005-64189

Spud Date:

TBD

New or Old: N

(UIC Class II Primacy 03/07/1982)

Footages

1320 FSL / 760 FEL

Lot

or Unit

I

Sec

32

Tsp

148

Rge

29E

County

Chaves

General Location:

15 miles East of Hagerman

Pool:

SWD Miss - Ellenburger

Pool No.:

()

BLM 100K Map:

Boswell

Operator:

Mack Energy Corp

OGRID:

13837

Contact:

Deanna Weaver

COMPLIANCE RULE 5.9: Total Wells:

454

Inactive:

1

Fincl Assur:

Yes

Compl. Order?

No

IS 5.9 OK?

Yes

Date: 04/14/14

WELL FILE REVIEWED

Current Status:

APP filed - no additional info

WELL DIAGRAMS: NEW: Proposed

or RE-ENTER: Before Conv.

After Conv.

Logs in Imaging:

NA / Logs requested

Planned Rehab Work to Well:

NA new well

Well Construction Details:	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement Sx br Cf	Cement Top and Determination Method
Planned <input checked="" type="checkbox"/> or Existing <input type="checkbox"/> Surface	17 1/2 / 13 7/8	0 to 200'	250	Surface Circ. to
Planned <input checked="" type="checkbox"/> or Existing <input type="checkbox"/> Interm/Prod	12 1/4 / 8 5/8	0 to 2280'	None	Circ. to surf
Planned <input checked="" type="checkbox"/> or Existing <input type="checkbox"/> Interm/Prod	7 7/8 / 5 1/2	0 to 11350	None	Circ. to surf
Planned <input type="checkbox"/> or Existing <input type="checkbox"/> Prod/Liner	—	—	—	—
Planned <input type="checkbox"/> or Existing <input type="checkbox"/> Liner	—	—	—	—
Planned <input checked="" type="checkbox"/> or Existing <input type="checkbox"/> OH / PERF	7 7/8 / 5 1/2	10075 to 11350	Inj Length 1275	Completion/Operation Details:
Injection Stratigraphic Units:	Depths (ft)	Injection or Confining Units	Tops	Drilled TD
Adjacent Unit: Litho. Struc. Por.		Artesian	9100	NEW TD
Confining Unit: Litho. Struc. Por.		Miss / Chester	9550	NEW PBTD
Proposed Inj Interval TOP:	10075	Chester / Woodford	10150	NEW Open Hole <input type="checkbox"/> or NEW Perfs <input checked="" type="checkbox"/>
Proposed Inj Interval BOTTOM:	11350	Ellenburger	11260	Tubing Size 2 7/8 in. Inter Coated? <input checked="" type="checkbox"/>
Confining Unit: Litho. Struc. Por.	+200'	pe / wash	11530	Proposed Packer Depth 10025 ft
Adjacent Unit: Litho. Struc. Por.				Min. Packer Depth 9075 (100-ft limit)
				Proposed Max. Surface Press. 1940 psi
				Admin. Inj. Press. 2015 (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P

Noticed?

NA

BLM Sec Ord

No

WIPP

Noticed?

NA

SALT/SALADO T:

B:

CLIFF HOUSE

NA

FRESH WATER: Aquifer

Shallow Alluvial / No

Artesian

Max Depth

Red bed 1130'

HYDRO AFFIRM STATEMENT By Qualified Person

Yes

NMOSE Basin:

Boswell Art.

CAPITAN REEF: thru

adj

NAC

No. Wells within 1-Mile Radius?

16

FW Analysis

NA

Disposal Fluid: Formation Source(s)

San Andres

Analysis?

No - on line 60-tech

On Lease

Operator Only

or Commercial

☒

Disposal Int: Inject Rate (Avg/Max BWPD):

2000/4000

Protectable Waters?

Unknown

Source:

TBD

System: Closed

or Open

☒

HC Potential: Producing Interval?

No

Formerly Producing?

No

Method: Logs/DST/P&A/Other

Unknown

2-Mile Radius Pool Map

☒

AOR Wells: 1/2-M Radius Map?

Yes

Well List?

No

Total No. Wells Penetrating Interval:

0

Horizontals?

0

Penetrating Wells: No. Active Wells

0

Num Repairs?

—

on which well(s)?

—

Diagrams?

—

Penetrating Wells: No. P&A Wells

0

Num Repairs?

—

on which well(s)?

—

Diagrams?

—

NOTICE: Newspaper Date

01/07/2014

Mineral Owner

SLO

Surface Owner

SLO

N. Date

01/03/14

RULE 26.7(A): Identified Tracts?

Yes

Affected Persons:

BLM - contacted

Tad - family

12 members

Lambert

01/03/14

N. Date

01/03/14

Permit Conditions: Issues:

No info on formation lit / new strat poor info / HC potential / injection

Add Permit Cond:

Mud log / salinity calcs / top picks / injection survey within 2 years