

12/10/2015 DATE IN	SUSPENSE	PRG ENGINEER	12/10/2015 LOGGED IN	SWD TYPE	PMAM153 4445460 APP NO.
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ABOVE THIS LINE FOR DIVISION USE ONLY

make newbourne
new C-B-C
blf injection

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.

TRAVIS CUDE
Print or Type Name

Travis Cude
Signature

RESERVOIR ENGINEER
Title

11/18/15
Date

tcude@mewbourne.com
e-mail Address

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance _____ ☒ Disposal _____ Storage
Application qualifies for administrative approval? _____ ☒ Yes _____ No
- II. OPERATOR: **Mewbourne Oil Company**
ADDRESS: **500 W. Texas Suite 1020**
Midland, TX 79701
CONTACT PARTY: **Travis Cude** PHONE: **432-234-7724**
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? _____ ☒ Yes _____ No
If yes, give the Division order number authorizing the project: SWD-869-0
- 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: **Travis Cude** TITLE: **Reservoir Engineer**
SIGNATURE: Travis Cude DATE: 8/27/15
E-MAIL ADDRESS: **tcude@mewbourne.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: _____

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.

Side 1

INJECTION WELL DATA SHEET

OPERATOR: **Mewbourne Oil Company**

WELL NAME & NUMBER: **Zebra FF Federal #1** API 30-015-32056

WELL LOCATION: 1980' FNL & 1980' FWL F 7 21S 25E
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC (See Attached)

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 12 1/4" Casing Size: 8 5/8" @ 1505'
Cement with. 1072 sx Top of Cement: Surface
1" circ 20 sx

Intermediate Casing

Hole Size: N/A Casing Size: 7" @ 1020'
Cement with. 150 sx Top of Cement: Surface, circ
(ran inside of 8 5/8" due to csg leak
@ 406')

Production Casing

Hole Size: 7 7/8" (5661') Casing Size: 4 1/2" @ 10,390'
6 1/8" (5661'-10390')
Cement with. 350 sx Super H Top of Cement: 6310', CBL

TD @ 10,390'

Perforated Injection Interval

8320' - 8400'
CIBP 9500', 80 sx cmt plug from 9500-8440'

require
submittal
of
ind.

- Will squeeze casing leak from 4180'-4196' with 450 sx cmt and raise TOC to 2500'. Will file CBL with division after the workover is performed.

INJECTION WELL DATA SHEET

Tubing Size: **2 7/8" 6.5# L80 EUE (knocked down collars)** Lining Material: **TK99 IPC**

Type of Packer: **Arrowset IX (nickel plated) 2 7/8" x 4 1/2"**

Packer Setting Depth: **+/- 8,275'**

Other Type of Tubing/Casing Seal (if applicable): **CIBP 9500', 80 sx cmt plug from 9500-8440'**

Additional Data

1. Is this a new well drilled for injection? **No. MOC has taken over operations of well from COG Operating LLC and plans to repair existing casing leak and return to injection.**

If no, for what purpose was the well originally drilled? **Morrow Test**

2. Name of the Injection Formation: **Upper Penn**

3. Name of Field or Pool (if applicable): **SWD, Canyon**

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

Morrow Perfs: 9936'-10214', CIBP & cmt @ 9900'

Atoka Perfs: 9564'-9570', CIBP & cmt @ 9500'

Wolfcamp Perfs: 7847'-7849', sqz 50 sx cmt

3rd BSS Perfs: 6970'-7167', sqz 100 sx cmt

***Existing leak in 4 1/2" csg from 4180'-4196'. Will need to squeeze with 450 sx cmt and raise TOC to 2500'**

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

Overlying producing zone – Third Bone Spring Sand: 6910'-7156', Wolfcamp 7240'-7850'

Underlying producing zone – Atoka 9564', Morrow 9936'

Mewbourne Oil Company

Well Name: Zebra FF Fed 1 SWD
Before

Last Updated by: T Cude on 08/26/2015

7" 23# S95 csg

Set @ 1020'

Cmt w/ 150sx, TOC surface

12 1/4" x 8 5/8" 24 # J-55 ST&C csg

Set @ 1505'

Cmt w/ 700 sx

8 stgs 1", 372 sx, circ 20 sx

TOC 6310'

CIBP @ 8276'

CIBP + 35' cmt @ 9500'

CIBP + 35' cmt @ 9900'

7 7/8" & 6 1/8" x 4 1/2" 11.6# csg

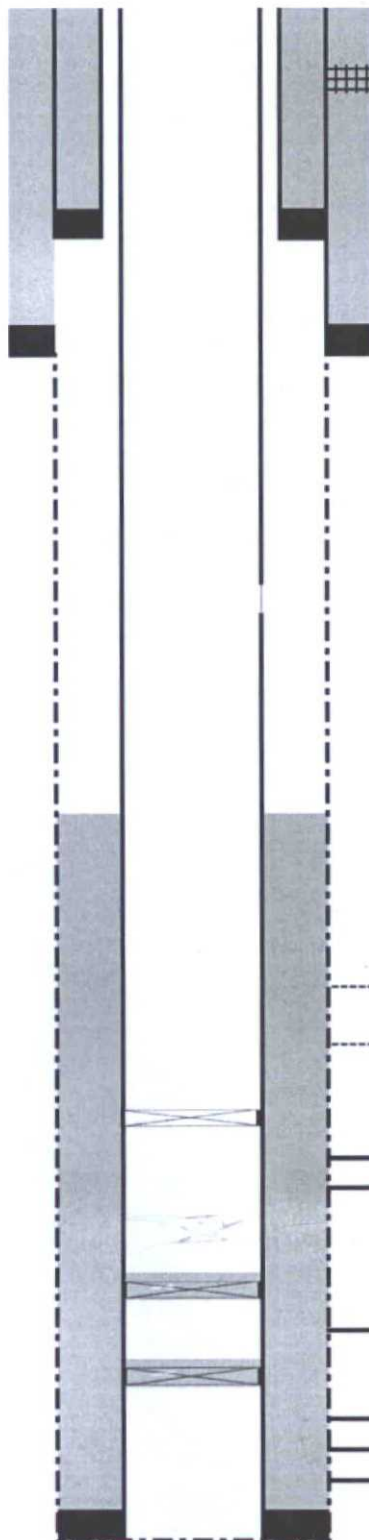
Set @ 10390'

Cmt w/ 350 sx, TOC @ 6310' by CBL

NOTE:

7 7/8" to 5661'

6 1/8" 5661'-10390'



Hole @ 406', squeeze w/ 500 sx

4 1/2" casing leak
4180'-4196'

3 BSS Perforations

6970'-7167', squeezed with 100 sx

Wolfcamp Perforations

7847'-7849', squeezed with 50 sx

Permitted Inj. Interval 8,320'-8,400'

Canyon Perforations (Injection)

8320-8325'

8325-8340'

Atoka Perforations

9564'-9570'

Morrow Perforations

9936'-9937'

10003'-10014'

10050'-10214'

TD @ 10390'

Mewbourne Oil Company

Well Name: Zebra FF Fed 1 SWD
After

Last Updated by: T Cude on 08/26/2015

7" 23# S95 csg

Set @ 1020'

Cmt w/ 150sx, TOC surface

12 1/4" x 8 5/8" 24 # J-55 ST&C csg

Set @ 1505'

Cmt w/ 700 sx

8 stgs 1", 372 sx, circ 20 sx

TOC 6310'

Injection String

2 7/8" 6.5# L80 tbg w/TK99 IPC

Arrowset 1X Nickel Pltd Pkr set @ 8,275'

CIBP + 35' cmt @ 9500'

CIBP + 35' cmt @ 9900'

7 7/8" & 6 1/8" x 4 1/2" 11.6# csg

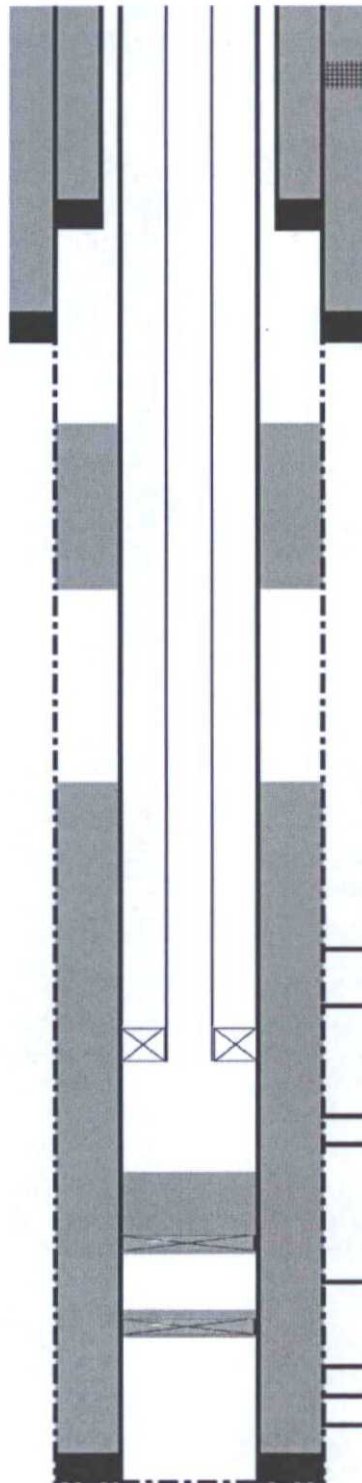
Set @ 10390'

Cmt w/ 350 sx, TOC @ 6310' by CBL

NOTE:

7 7/8" to 5661'

6 1/8" 5661'-10390'



Hole @ 406', squeeze w/ 500 sx

Est. TOC 2500'

4 1/2" casing leak

4180'-4196', squeezed with 350 sx

3 BSS Perforations

6970'-7167'

Wolfcamp Perforations

7847'-7849'

Permitted Inj. Interval 8,320'-8,400'

Canyon Perforations (Injection)

8320-8325'

8325-8340'

80 sks cmt plug from 9500'-8440'

Atoka Perforations

9564'-9570'

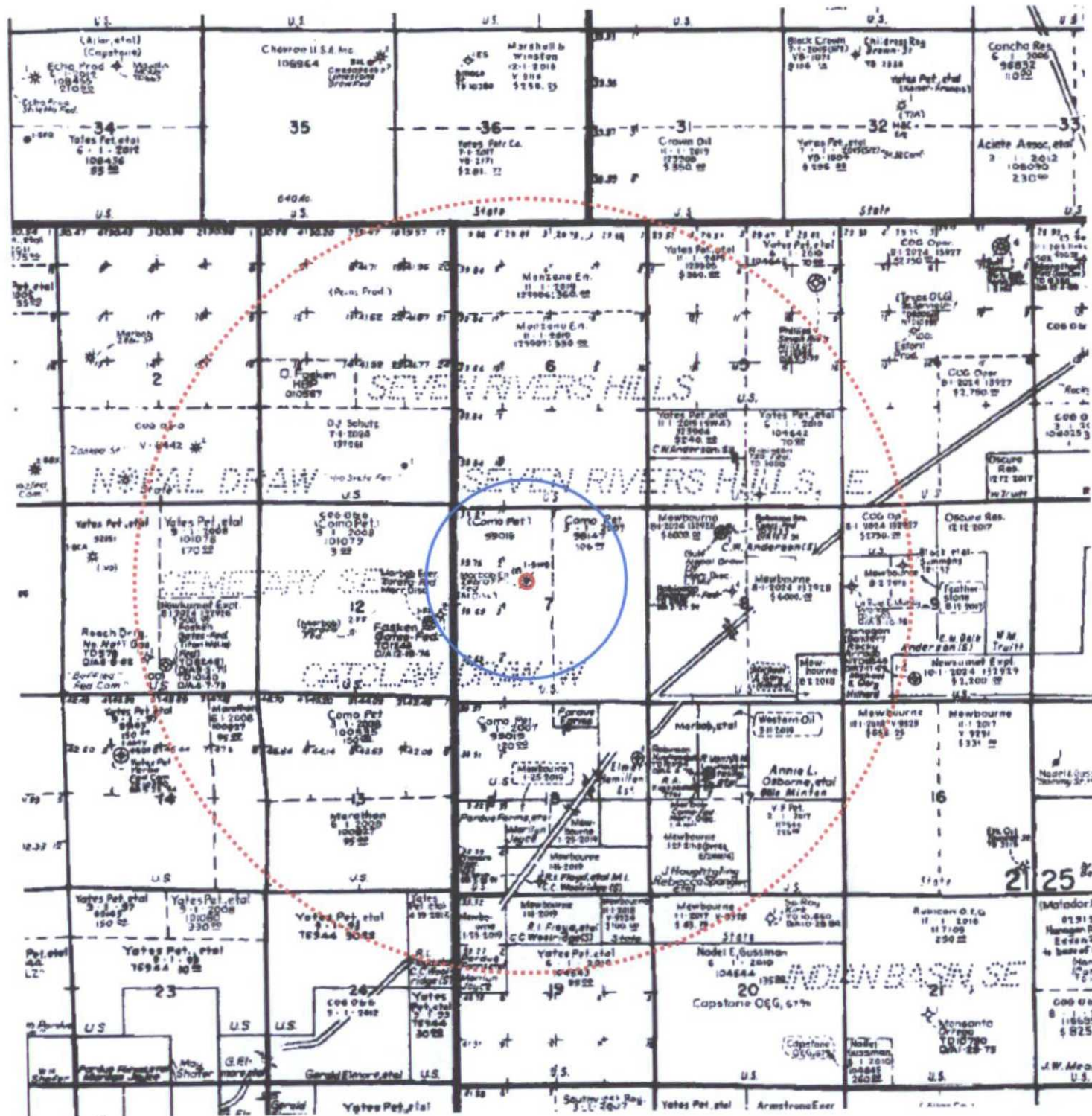
Morrow Perforations

9936'-9937'

10003'-10014'

10050'-10214'

TD @ 10390'



Zebra FF Federal #1 C-108
Additional Details

- VI.** There are no wells within the ½ mile area of review penetrating the Upper Penn on record.
- VII.**
1. Proposed average rate of 5,000 bwpd and maximum rate of 10,000 bwpd.
 2. Closed system.
 3. Proposed average injection pressure is unknown and the maximum injection pressure is 1664 psig (0.2 psi/ft x 8,320ft).
 4. Injection fluid will be formation water from the Mewbourne Oil Company operated wells within the area producing from the Bone Spring and/or Wolfcamp. Mewbourne's closest producing well is located in 7-21S-25E. A water analysis from the Rio Bravo 7 B3NC Federal 1H is attached.
 5. We will be injecting into the Canyon formation of the Upper Penn. An analysis of the Canyon formation water is attached.
- VIII.**
1. The proposed injection interval is within the Upper Penn formation which is a porous dolomite at +/- 8,320'.
 2. The underground fresh water aquifers (unnamed) are present at shallow depths down to about 400', shallower than the depth of the 8 5/8" and 7" csg. settings. There are no known fresh water intervals underlying the injecting formation.
- IX.** The proposed stimulation is an acid treatment of 10,000 gallons of 20% HCL.
- X.** Well logs have been filed with the Division March, 2002.
- XI.** Marbob submitted water analysis for a fresh water well and pond within 1 mile of the proposed disposal as part of their C-108 for order SWD-869-0 submitted 12/16/2002.
- XII.** Mewbourne Oil Company has examined geologic and engineering data and has found that there is no evidence of faulting between the proposed disposal zone and any underground sources of drinking water.
- XIII.** See attached Proof of Notice

MEWBOURNE OIL COMPANY
P. O. BOX 7698
TYLER, TEXAS 75711

Lease Rio Bravo 7 B3NC Fed Well No 1H Location 225' FSL & 2140' FWL
County Eddy ST NM Section 7 TwnShp 21S Rng 25E
Section _____ Blk _____ Survey _____
Filename _____ Page 1
API No. 30-015-42918

DATE	DAILY REPORTS
APR 30 2015	Water analysis from 04/29/15: SG @ 1.140, Temp 70°, pH 6.3, Na 71696, Ca 2000, Mg 480, Fe 3.0, CL 114000, SO4 1300, HCO3 49 (all in Mg/L).

MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020
MIDLAND, TEXAS 79701

(432) 682-3715
FAX (432) 685-4170

August 27, 2015

Engineering and Geological Services Bureau, Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505
Attn: Mr. Phillip Goetze

Re: Zebra FF Federal #1

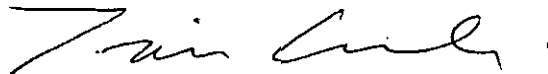
Mr. Goetze,

In accordance with item XII on Mewbourne Oil Company's C-108 filed for the captioned salt water disposal well, Mewbourne Oil Company has examined geologic and engineering data and has found that there is no evidence of faulting or any other hydrologic connection between the proposed disposal zone and any underground sources of drinking water.

Should you have any questions, please email me at tcude@mewbourne.com or call me at (432) 682-3715.

Sincerely yours,

MEWBOURNE OIL COMPANY



Travis Cude
Reservoir Engineer

MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020
MIDLAND, TEXAS 79701

(432) 682-3715
FAX (432) 685-4170

November 6, 2015

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

COG Operating LLC
600 W. Illinois Avenue
One Concho Center
Midland, Texas 79701
Attn: Mr. Aaron Young

Re: Zebra FF Federal SWD No. 1
1980' FNL & 1980' FWL
Section 7, T21S, R25E,
Eddy County, New Mexico

Gentlemen:

Mewbourne Oil Company ("MOC") will file an Application for Authorization to Inject ("C-108") in the above well with the Oil Conservation Division ("OCD") within the next 20 days. The proposed well has a location 1980 feet from the north line and 1980 feet from the west line of the captioned Section 7, and will dispose into the Canyon formation, which shall mean the stratigraphic equivalent of the geological interval that appears between those subsurface depths beginning at a depth of 8320' and ending at a depth of 8915', as seen in the wireline log of the Zebra 'FF' Federal 1 well (API No. 30-015-32056), located 1980' FNL and 1980' FWL of Section 7, Township 21 South, Range 25 East, N.M.P.M., Eddy County, New Mexico

COG Operating LLC is listed as the offset Operator in in Section 12, T21S, R24E, Eddy County, New Mexico. OCD Rule NMAC 19.15.15.12 requires MOC to notify you of its intent to file the C-108. If you object to the approval of the C-108 you must notify the OCD in writing no later than 20 days from the date of this letter (the OCD's address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505). If you do not object to approval of the C-108, we ask that you sign the waiver below and return it to us. Thank you.

Very truly yours,

Mewbourne Oil Company

Corey Mitchell
Corey Mitchell
Landman

COG Operating LLC
Zebra FF Federal SWD No. 1
November 6, 2015
Page 2 of 2

COG Operating LLC hereby waives any objection to the C-108 for the proposed Zebra FF Federal SWD No. 1 in the Canyon formation, provided that COG Operating LLC reserves the right to object any future C-108 for the above-captioned well proposing disposal in any formation other than the Canyon.

COG OPERATING LLC

By: Gayle Burlison Date: 11.6.15
Gayle Burlison,
Vice President of New Mexico *AB*

cc: Oil, Gas and Minerals Division (via certified mail)
Commissioner of Public Lands
310 Old Santa Fe Trail
Santa Fe, New Mexico 87501

MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020
MIDLAND, TEXAS 79701

(432) 682-3715
FAX (432) 685-4170

October 27, 2015

Via Certified Mail

To: Persons on Exhibit "A"

Re: Zebra FF Federal No. 1
Section 7, T21S, R25E
Eddy County, New Mexico

Ladies and Gentlemen:

Mewbourne Oil Company has filed an application with the New Mexico Oil Conservation Division seeking approval for a salt water disposal well in the SW/4NW/4 of Section 7, Township 21 South, Range 25 East, N.M.P.M., Eddy County, New Mexico. A copy of the application is enclosed. If you object to the application, you must notify the Division in writing no later than 15 days from the date of this letter (the Division's address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505). Failure to object will preclude you from contesting this matter later.

Should you have any questions regarding the above, please email me at cmitchell@mewbourne.com or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY



Corey Mitchell
Landman

EXHIBIT "A"

Bureau of Land Management
620 East Greene
Carlsbad, New Mexico 88220
Attn: Mr. Ed Fernandez



UNITED STATES
POSTAL SERVICE

Date: October 31, 2015

Simple Certified:

The following is in response to your October 31, 2015 request for delivery information on your Certified Mail™/RRE item number 9414810699945011790388. The delivery record shows that this item was delivered on October 30, 2015 at 2:16 pm in CARLSBAD, NM 88220. The scanned image of the recipient information is provided below.

Signature of Recipient :

Address of Recipient :

Thank you for selecting the Postal Service for your mailing needs.

If you require additional assistance, please contact your local Post Office or postal representative.

Sincerely,
United States Postal Service

Mr. Ed Fernandez
Bureau of Land Management
620 E GREENE ST
CARLSBAD, NM 88220
Reference #: Zebra FF #1 cm

NOTICE

Mewbourne Oil Company has filed an application with the New Mexico Oil Conservation Division seeking approval to dispose of produced water in the Zebra FF Federal #1 located 1980 feet from the North line and 1980 feet from the West line (SW/NW) of Section 7, Township 21 South, Range 25 East, NMPM, Eddy County, New Mexico, into the Upper Pennsylvanian formation. Expected maximum injection rates are 10,000 BWPD at a maximum injection pressure of 1664 psi. If you object to the application, you must file a written request for hearing with the Division within 15 days of this date of notice is published. The Division's address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Failure to object will preclude you from contesting this matter at a later date. The name and address of the contact party for the applicant is Travis Cude, Mewbourne Oil Company, Suite 1020, 500 West Texas Ave., Midland, Texas 79701, (432)-682-3715. The well is located approximately 15 miles Northwest of Carlsbad, New Mexico.

Affidavit of Publication

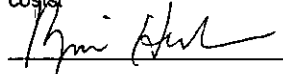
State of New Mexico,
County of Eddy, ss.

Rynni Henderson, being first duly
sworn, on oath says:


That she is the Publisher of the
Carlsbad Current-Argus, a
newspaper published daily at the
City of Carlsbad, in said county of
Eddy, state of New Mexico and of
general paid circulation in said
county; that the same is a duly
qualified newspaper under the laws
of the State wherein legal notices
and advertisements may be
published; that the printed notice
attached hereto was published in the
regular and entire edition of said
newspaper and not in supplement
thereof on the date as follows, to wit:

December 24 2015

That the cost of publication is **\$75.40**
and that payment thereof has been
made and will be assessed as court
costs

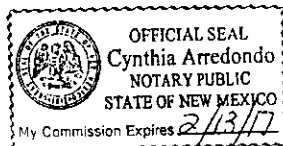


Subscribed and sworn to before me
this 30 day of December
2015



My commission Expires
2/13/17

Notary Public



December 24, 2015
NOTICE
Mewbourne Oil Company has filed an application with the New Mexico Oil Conservation Division seeking approval to dispose of produced water in the Zebra FF Federal #1 located 1980 feet from the North line and 1980 feet from the West line (SE/NW) of Section 7, Township 21S, Range 25E, East NMPM, Eddy County, New Mexico, into the Upper Pennsylvanian formation. The injection interval occurs from a depth of 8,320 feet to 8,400 feet. Expected maximum injection rates are 10,000 BWPD at an average of 15,000 BWPD with a maximum surface injection pressure of 1664 psi. If you object to the application, you must file a written request for hearing with the Division within 15 days of this date of notice is published. The Division's address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Failure to object will preclude you from contesting this matter at a later date. The name and address of the contact party for the applicant is Corey Mitchell, Mewbourne Oil Company, Suite 1020, 500 West Texas Ave., Midland, Texas 79701, (432) 682-3715. The well is located approximately 15 miles Northwest of Carlsbad, New Mexico.

Mewbourne Oil Company
Corey Mitchell
500 W Texas, STE 1020
MIDLAND TX 79701-4279

Zebra FF SWD cm

US POSTAGE AND FEES PAID

FIRST-CLASS

Dec 01 2015

Mailed from ZIP 79701

4 oz First Class Mail

Flats Rate

CID: 56133



endicia.com

071S00534813

USPS CERTIFIED MAIL

9414 8106 9994 5012 2838 27

New Mexico Oil Conservation Division
Mr. Phillip Goetze
1220 S SAINT FRANCIS DR
SANTA FE NM 87505-4225



MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020
MIDLAND, TEXAS 79701

(432) 682-3715
FAX (432) 685-4170

RECEIVED OOD

2015 NOV - 3 P 3: 19

November 30, 2015

Via Certified Mail and Email

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
Attn: Mr. Phillip Goetze

Re: Zebra FF Federal SWD No. 1
1980' FNL & 1980' FWL
Section 7, T21S, R25E
Eddy County, New Mexico

Gentlemen:

Please find enclosed our C-108 application for the captioned well.

Should you have any questions regarding the above, please email me at cmitchell@mewbourne.com or call me at (432) 682-3715.

Sincerely,

MEWBOURNE OIL COMPANY

Corey Mitchell

Corey Mitchell
Landman

Mebourne Zebra FF Federal SWD #1 Production

Production Pool(s)	Oil Prod	Gas Prod	Wtr Prod	Days Prod	Rpt Date
SEVEN RIVERS HILLS; ATOKA, E (G)+SWD; CANYON	0	0	0	0	01-Sep-14
SEVEN RIVERS HILLS; ATOKA, E (G)+SWD; CANYON	0	0	0	0	01-Oct-14
SEVEN RIVERS HILLS; ATOKA, E (G)+SWD; CANYON	0	0	0	0	01-Nov-14
SEVEN RIVERS HILLS; ATOKA, E (G)+SWD; CANYON	0	0	0	0	01-Dec-14
SEVEN RIVERS HILLS; ATOKA, E (G)+SWD; CANYON	0	0	0	0	01-Jan-15
SEVEN RIVERS HILLS; ATOKA, E (G)+SWD; CANYON	0	0	0	0	01-Apr-15
SEVEN RIVERS HILLS; ATOKA, E (G)+SWD; CANYON	0	0	0	0	01-May-15
SEVEN RIVERS HILLS; ATOKA, E (G)+SWD; CANYON	0	0	0	0	01-Jun-15
SEVEN RIVERS HILLS; ATOKA, E (G)+SWD; CANYON	0	0	0	0	01-Jul-15
SEVEN RIVERS HILLS; ATOKA, E (G)+SWD; CANYON	0	0	0	0	01-Aug-15
HILLS; ATOKA, E (G)+SWD; CANYON	0	0	0	0	01-Sep-15

No injection
1 year Period
RBDMS



HALLIBURTON

CENTRAL OPERATIONS LABORATORY
WATER ANALYSIS REPORT
HOBBS, NEW MEXICO

COMPANY Marbob

REPORT
DATE
DISTRICT

W02-206
November 15, 2002
Artesia

SUBMITTED BY Phillip Molina for Jim Trela

WELL COUNTY	<u>Zaraffa FF Federal 1</u>	DEPTH FIELD	<u>FORMATION SOURCE</u>	<u>Wells</u>
SAMPLE	<u>Morrow Formation</u>	<u>Pond 3/10 Mile</u>	<u>Windmill 1+/- mile</u>	
Sample Temp.	<u>50</u> °F	<u>51</u> °F	<u>50</u> °F	<u> </u> °F
RESISTIVITY	<u>0.079</u>	<u>15</u>	<u>9</u>	<u> </u>
SPECIFIC GR.	<u>1.08</u>	<u>1.000</u>	<u>1.001</u>	<u> </u>
pH	<u>6.490</u>	<u>8.26</u>	<u>7.82</u>	<u> </u>
CALCIUM	<u>4200.00</u> mpl	<u>170</u> mpl	<u>130</u> mpl	<u> </u> mpl
MAGNESIUM	<u>3,960</u> mpl	<u>54</u> mpl	<u>72</u> mpl	<u> </u> mpl
CHLORIDE	<u>72,450</u> mpl	<u>50</u> mpl	<u>463</u> mpl	<u> </u> mpl
SULFATES	<u>1,600</u> mpl	<u>50</u> mpl	<u>50</u> mpl	<u> </u> mpl
BICARBONATES	<u>214</u> mpl	<u>180</u> mpl	<u>122</u> mpl	<u> </u> mpl
SOLUBLE IRON	<u>150</u> mpl	<u>0</u> mpl	<u>0</u> mpl	<u> </u> mpl
KCL	<u>Negative</u>			
Sodium	<u> </u> mpl	<u> </u> mpl	<u> </u> mpl	<u>0</u> mpl
TDS	<u> </u> mpl	<u> </u> mpl	<u> </u> mpl	<u>0</u> mpl
OIL GRAVITY	<u> </u> @ <u> </u> °F	<u> </u> @ <u> </u> °F	<u> </u> @ <u> </u> °F	<u> </u> @ <u> </u> °F

REMARKS

Produced Water

MPL = Milligrams per liter

Resistivity measured in: Ohm/m2/m

This report is the property of Halliburton Company and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing the express written approval of laboratory management; it may however, be used in the course of regular business operations by any person or concern and employees thereof receiving such report from Halliburton Co.

ANALYST: John Eubank

Resistivity	0.21 @ 66	0.23 @ 66
Sulfates	2233	2233
Sod & Pot	11,344	11,323
Chlorides	23,296	22,325
CALC	38,403	36,803
Calcium	2993	2566
Bicarbonates	1421	1492
Magnesium	1014	967
KCL	slight trace	slight trace
Tot. Hardness as CaCO ₃	11,661	10,398
Tot. Dissolved Solids	49,955	47,771

Water Analyses From Canyon Disposal Interval

Should be similar to Canyon water
in the Zebra FF Fed. 1.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.
NM-99018

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT-" for such proposals

SUBMIT IN TRIPLICATE:

1. Type of Well

Oil Well ☒ Gas Well Other

2. Name of Operator

MARBOB ENERGY CORPORATION

3. Address and Telephone No.

PO BOX 227, ARTESIA, NM 88210 505-748-3303

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980 FNL 1980 FWL, SEC. 7-T21S-R25E, UNIT F

8. Well Name and No.

ZEBRA "FF" FEDERAL #1

9. API Well No.

30-015-32056

10. Field and Pool, or Exploratory Area

DEMETARY; MORROW, SOUTHEAST

11. County or Parish, State

EDDY CO., NM

RECEIVED
OCD ARTESIA

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

Notice of Intent

☒ Subsequent Report

Final Abandonment Notice

TYPE OF ACTION

Abandonment

Recompletion

Plugging Back

Casing Repair

Altering Casing

☒ Other RUN CSG

Change of Plans

New Construction

Non-Routine Fracturing

Water Shut-Off

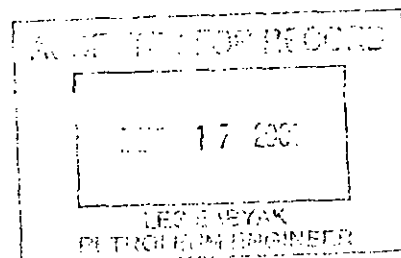
Conversion to Injection

Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

RAN 24 JTS 7" 23# CSG TO 1023', CMTD W/ 150 SX P+ W/ 2% CACL, PLUG DOWN @ 12:30 PM ON 12/5/01, CIRC 10 SX TO PIT.



14. I hereby certify that the foregoing is true and correct

Signed

Title PRODUCTION ANALYST

Date 12/18/01

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Div.-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.
NM-99018

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

ZEBRA "FF" FEDERAL #1

9. API Well No.

30-015-32056

10. Field and Pool, or Exploratory Area

DEMETARY; MORROW; SOUTHEAST

11. County or Parish, State

EDDY CO., NM



SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT-" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator

MARBOB ENERGY CORPORATION

3. Address and Telephone No.

PO BOX 227, ARTESIA, NM 88210 505-748-3303

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980 FNL 1980 FWL, SEC. 7-T21S-R25E, UNIT F

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

Notice of Intent

☒ Subsequent Report

Final Abandonment Notice

TYPE OF ACTION

Abandonment

Recompletion

Plugging Back

Casing Repair

Altering Casing

☒ Other TD, CMT CSG

Change of Plans

New Construction

Non-Routine Fracturing

Water Shut-Off

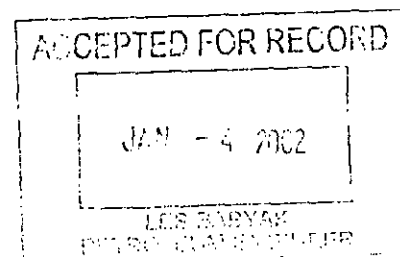
Conversion to Injection

Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

TD WELL @ 10:00 AM ON 12/29/01, DRLD 6 1/8" HOLE TO 10390', RAN 246 JTS (10397') 4 1/2" 11.6# N80 & P110 CSG TO 10390' (21 JTS NAV-P110 CSG ON BTM, 204 JTS N80 CSG IN MID, 21 JTS NAV95-P110 CSG ON TOP), CMTD W/ 3350 SX SUPER H, PLUG DOWN @ 6:40 AM ON 12/31/01. TSTD CSG TO 1500# FOR 30 MIN - HELD OK.



14. I hereby certify that the foregoing is true and correct

Signed

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title PRODUCTION ANALYST

Title

Date 01/02/02

Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Oil Cons.
N.M. Division
301 W. Grand Avenue
Artesia, NM 88210

FORM APPROVED
MMS-1000-0137
Expires: February 28, 1995
5. LEASE DESIGNATION AND SERIAL NO.
NMP-99018

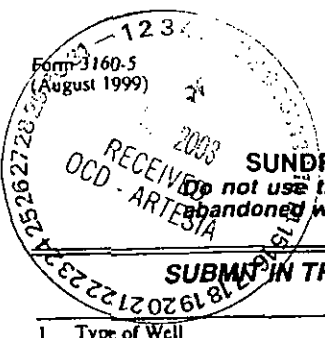
clsp

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL GAS WELL ☒ DAY
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER DEEP-EN PLUG BACK DIFF. RESV. Other
2. NAME OF OPERATOR MARBOB ENERGY CORPORATION)
3. ADDRESS AND TELEPHONE NO. PO BOX 227, ARTESIA, NM 88211-0227, 505-748-3303
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 1980 FNL 1980 FWL, UNIT F
At top prod. interval reported below SAME
At total depth SAME
14. PERMIT NO. DATE ISSUED MAR - 6 2002
12. COUNTY OR PARISH EDDY 13. STATE NM
15. DATE SPUNDED 11/01/01 16. DATE T.D. REACHED 12/29/01 17. DATE COMPL. (Ready to prod.) 01/31/02 18. ELEVATIONS (DF, RKB, RT, GE, ETC.)* 3490' GR 19. ELEV. CASINGHEAD
20. TOTAL DEPTH, MD & TVD 10390' 21. PLUG, BACK T.D., MD & TVD 9900' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 0-10390' ROTARY TOOLS CABLE TOOLS
24. PRODUCING INTERVAL(S), OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)* 9564' - 9570' MORROW 25. WAS DIRECTIONAL SURVEY MADE No
26. TYPE ELECTRIC AND OTHER LOGS RUN DLL, CSNG 27. WAS WELL CORED No
28. CASING RECORD (Report all strings set in well)
CASING SIZE/GRADE WEIGHT, LB./FT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOUNT PULLED
8 5/8" J55 24# 1505' 12 1/4" CMTD W/ 700 SX NONE
7" 23# 1020' 7 7/8" CMTD W/ 150 SX, CIRC 10 SX NONE
4 1/2" N80 & P110 11.6# 10390' 6 1/8" CMTD W/ 350 SX NONE
29. LINER RECORD 30. TUBING RECORD
SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD)
2 3/8" 9485'
31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
10050' - 10214' (33 SHOTS) DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
10003' - 10014' (8 SHOTS) 10050' - 10214' 2000 GAL 7 1/2% MORROW ACID
9936' - 9937' (8 SHOTS) 9564' - 9570' 500 GAL 7 1/2% MORROW ACID W/ ADD
9564' - 9570' (28 SHOTS)
33. * PRODUCTION
DATE FIRST PRODUCTION 02/16/02 PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) FLOWING WELL STATUS (Producing or shut-in) PROD
DATE OF TEST 02/17/02 HOURS TESTED 24 CHOKE SIZE 16/64" PROD'N FOR TEST PERIOD OIL---BBL. 0 GAS---MCF. 522 WATER---BBL. 10 GAS-OIL RATIO
FLOW. TUBING PRESS. 525 CASING PRESSURE CALCULATED 24-HOUR RATE OIL---BBL. GAS---MCF. WATER---BBL. OIL GRAVITY-API (CORR.)
34. DISPOSITION OF GAS (Solid, used for fuel, vented, etc.) SOLD TEST WITNESSED BY OWEN PUCKETT
35. LIST OF ATTACHMENTS LOGS, DEVIATION SURVEY
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED [Signature] TITLE PRODUCTION ANALYST DATE 02/28/02

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Oil Cons.
BLM Div-Dist. 2
1901 W. Grand Avenue
Albuquerque, NM 88210

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
 MARBOB ENERGY CORPORATION

3a. Address
 PO BOX 227, ARTESIA, NM 88211-0227

3b. Phone No. (include area code)
 (505) 748-3303

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 1980 FNL 1980 FWL, SEC. 7-T21S-R25E, UNIT F

5. Lease Serial No.
 NM-99018

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
 ZEBRA "FF" FEDERAL #1

9. API Well No.
 30-015-32056

10. Field and Pool, or Exploratory Area
 WILDCAT

11. County or Parish, State
 EDDY CO., NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input checked="" type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

11/12/02 - PU 4 1/2 CIBP & SET @ 9500'. DUMP 30' CMT ON PLUG. TEST TO 2000 PSI. SPOT 500 GAL 15% NEFE ACID. PERF W/ 2 SPF @ 8318' - 8323'.

11/13/02 - COULDN'T GET FLUID BELOW 2700'. NO OIL, NO GAS.

11/15/02 - SHOOT 2 SPF @ 7845' - 7847', WOELCAMP ZONE.

11/18/02 - ACDZ PERFS W/ 1000 GAL 20% NEFE ACID. SWABBED DRY & GOT NO FLUID ENTRY.

11/19/02 - SQUEEZE PERFS @ 7845' - 7847' W/ 50 SX CLASS "C" CMT. PERF 3RD BONE SPRINGS W/ 1 SPF FROM 6968' - 7165', 15 SHOTS.

11/20/02 - ACDZ PERFS @ 6968' - 7165' W/ 1500 GAL 7 1/2% NEFE ACID.

11/21/02 - SWABBED WELL ALL DAY & REC 15 BBLs OF FLUID.

11/22/02 - SHUT-TN WAITING ON SWD APPLICATION APPROVAL.

ACCEPTED FOR RECORD
 JAN - 3 2003
 ALEXIS C. SWOBODA
 PETROLEUM ENGINEER

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)
 DIANA J. CANNON

Title
 PRODUCTION ANALYST

Signature

Date
 JANUARY 2, 2003

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

**Zebra FF Fed. 1
Sec. 7 T21S R25E
Eddy Co., NM**

**Completion Procedure 3
Canyon, Wolfcamp, Bone Spring
31 January 2002**

Basic Data:

8-5/8" @ 1505'

7" @ 1020'

4-1/2" @ 10390' TOC @ 5600' temp. survey

4.5"/11.6ppf/N80/LTC Burst=7780 psi, 6224 psi at 80% Nom. ID=4.000" Drift ID=3.875"

2.375"/4.7ppf/L80/EUE Burst=11200 psi, 8960 psi at 80% Nom ID=1.995" Drift ID=1.901"

Collapse=11780 psi, 9424 at 80%

Tensile=104,300 lb with no safety factor

Objective: Test the Canyon dolomite, Wolfcamp lime and 3rd Bone Spring sand until commercial production established.

Comment: On well flowbacks and tests, be sure to use all steel lines. Don't use rubber/flexible lines due to safety reasons.

Procedure:

1. Kill well and TOOH with tools. RU lubricator and set CIBP + 35' cement above Atoka at 9500'. Test CIBP to 2000 psi. RIH with tubing and spot 500 gals. double inhibited (145° F) Ne Fe 20% HCl acid at 8310'. TOOH.
2. RU lubricator, pressurize casing to 1000 psi and perf the Canyon with 2 spf at any phasing from 8320-8325' (open hole logs)/ 8318-8323' (collar log) using a 3-3/8" casing gun. If well doesn't go on vacuum after perfling, slowly (1/4 bpm?) ease spot acid into perfs.

Perfs picked from Halliburton Spectral Density/Dual Spaced Neutron Log run on 29 Dec 2001.

3. RIH with packer, tree up and swab test Canyon. Be alert to possibility of gas when TIH (if Canyon went on a vacuum). If well gets gassy, run a slow, steady stream of water into the casing while TIH after initially knocking the gas down with a slug of water.
 4. If necessary to acidize, pump 1500 gals. NE Fe 20% HCl acid at 2 bpm rate. Well should treat at or near a vacuum. If it doesn't, limit treating pressure to 4500 psi. Corrosion inhibit acid for BHT of 145 deg. F.
 5. Flow/swab well. If Canyon yields small (or better) oil or gas shows, decision may be made to put it on test with a sub pump and generator. If this is the case, RDMO and await SWD availability.
-

6. When/if decision made to leave Canyon, RU lubricator and set CIBP + 35' cement above Canyon at 8275'. Test CIBP to 2000 psi.

Well: Zelora FF Fed. 1

Zero: 21' AGL

Location: 1980' FWL 1980' FWL
F-7-215-25E
Eddy NM

KB : 3512

GL: 3491'

Casing Program:

Size	Wt.	Grade	Conn.	Depth
8 5/8"	24	J55	STC	1505'
7"	23	S95	PT	1020'
4 1/2"	11.6	M95-110		887' ±
	11.6	N80		9503' ±
	11.6	M95-110		10390'
2 3/8"	4.7	N80	EVE	9475' ±

307 jth

Hdc 406' ± (500 x "C")
TDC 424'

7423/595/PJ @ 1020'
150"C"

8 5/8" @ 1505'
100 Thix + 400 HLC + 200 C
8 s 1/2" = 372 s x C Circ 20 s x

TOC = 5600 'TS

"BEFORE"

१३६४-१५७०' (२४)

Atoka

9936-37'

10003, 10014 (12)

Morrow

10050'-10244' (33)

4 1/2" @ 10390'

350 ex Sugar H

- Sketch Aint To Goals -

KARLHAIN /

2/14

42-384	100 SHEETS 10 1/2" x 14" EYE-EASE®	\$ SQUARE
42-389	200 SHEETS EYE-EASE®	\$ SQUARE
42-392	107 RECYCLED WHITE	\$ SQUARE
42-393	200 RECYCLED WHITE	\$ SQUARE

Ships in U.S.A.

Prüfung, Prüfungsausschuss

77/8 (5661)

6'8"

C15P: 35' cut
9900'?

10390

Well: Zelora FF Fed. 1

Zero: 21' AGL

Location: 1980' FNL, 1980' FWL
F-7-215-25E
Eddy NM

KB : 3512'
GL : 3491'

Casing Program:

Size	Wt.	Grade	Conn.	Depth
8 5/8	24	J55	STC	1505'
7"	23	S95	FT	1020'
4 1/2"	11.6	M95-110		887' ±
	11.6	N80		9503' ±
	11.6	M95-110		10390'
2 3/8"	4.7	N80	EVE	

12'14'

42-361	50 SHEETS EYE-EASE	\$ SQUARE
42-362	100 SHEETS EYE-EASE	\$ SQUARE
42-369	200 SHEETS EYE-EASE	\$ SQUARE
42-368	100 RECYCLED WHITE	\$ SQUARE
42-368	200 RECYCLED WHITE	\$ SQUARE

Ships in U.S.A.

Puttig, Marion Louise

77/8" (5661)

6' 18" ^x

Hole 406' ± (500 x "C")
TDC 424'

7¹/23/595/FJ e 1020'
150"C"

85/8" @ 1505'
100 Thrx + 400 HLC + 200 C
8 s lbs 1" = 372 s x C Circ 20 s x

TOC = 5600 'TS

8320-8325' (12)

Canyon

9564-9570' (28)

Atokq

9936-37'

10003, 10014 (12)

Morrow

10050'-10214' (33)

4 1/2" @ 10390'

350 ex Symp H

10390

- Sketched Aint To Goals -

KARLINA /

"AFTER"

Oil Cons.
UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
N.M. Div. 2
1001 W. Grand Avenue
Alamosa, NM 88210FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.

NM-99018

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <input checked="" type="checkbox"/> SWD		7. UNIT AGREEMENT NAME	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <input checked="" type="checkbox"/> SWD		8. FARM OR LEASE NAME, WELL NO.	
2. NAME OF OPERATOR MARBOB ENERGY CORPORATION		ZEBRA "FF" FEDERAL #1	
3. ADDRESS AND TELEPHONE NO. PO BOX 227, ARTESIA, NM 88211-0227 (505) 748-3303		9. API WELL NO. 30-015-32056	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1980 FNL 1980 FWL, SEC. 7-T21S-R25E, UNIT 1 At top prod. interval reported below SAME At total depth SAME		10. FIELD AND POOL, OR WILDCAT SWD; CANYON	
14. PERMIT NO.		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SEC. 7-T21S-R25E	
DATE ISSUED		12. COUNTY OR PARISH	
EDDY		13. STATE NM	
15. DATE SPUDDED 11/1/01		16. DATE T.D. REACHED 12/29/01	
17. DATE COMPL. (Ready to prod.) 1/28/03		18. ELEVATIONS (DF, RKB, RT, GE, ETC.) 3490' GL	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 10390'	
21. PLUG, BACK T.D., MD & TVD 9496'		22. IF MULTIPLE COMPL., HOW MANY	
23. INTERVALS DRILLED BY		ROTARY TOOLS 0-10390'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD) 8325' - 8400 CANYON		25. WAS DIRECTIONAL SURVEY MADE NO	
26. TYPE ELECTRIC AND OTHER LOGS RUN NONE		27. WAS WELL CORED NO	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8 5/8" J55	24#	1505'	12 1/4"
7"	23#	1020'	7 7/8"
4 1/2" N80	11.6#	10390'	6 1/8"
TOP OF CEMENT, CEMENTING RECORD			
700 SX			
150 SX, CIRC			
350 SX			
AMOUNT PULLED NONE NONE NONE			
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT
30. TUBING RECORD			
SIZE 2 3/8"		DEPTH SET (MD) 8252'	
PACKER SET (MD)			
31. PERFORATION RECORD (Interval, size and number) 8325' - 8400' (67 SHOTS)			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) 8325'-8400'			
AMOUNT AND KIND OF MATERIAL USED ACDZ W/ 10K GAL 20% HCL			
33. PRODUCTION			
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	
DATE OF TEST		HOURS TESTED	
CHOKE SIZE		PROD'N FOR TEST PERIOD	
OIL—BBL.		GAS—MCF.	
WATER—BBL.		GAS—OIL RATIO	
FLOW. TUBING PRESS.		CASING PRESSURE	
CALCULATED 24-HOUR RATE		OIL—BBL.	
GAS—MCF.		WATER—BBL.	
OIL GRAVITY-API (CORR.)		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)	
35. LIST OF ATTACHMENTS			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED		TITLE PRODUCTION ANALYST	
DATE 2/14/03		DATE 2/14/03	

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Well: Zebra FF Fed. 1 SWD

Zero: 21' AGL

Location: 1980' FML, 1980' FWL

F-7-215-25e

Eddy NM

API: 30-015-32056, NM-99018

KB: 3512'

GL: 3491'

Casing Program:

Size	Wt.	Grade	Conn.	Depth
8 5/8"	24	J55	STE	1505'
7"	23	S95	FJ	1020'
4 1/2"	11.6	M95-110		8871' ±
	11.6	N80		9503' ±
	11.6	M95-110		10390'
2 3/8"	4.7	J55	EVE	

Plastic Coated

SWD-869
8320-8400'
1664 psi Max

Qu 457

SA 1111

Del 1523

BS 2735

WC 7240

Cisco 8320

ST 9018

AT 9528

MR 9999

3rd BS Sand (S92d)

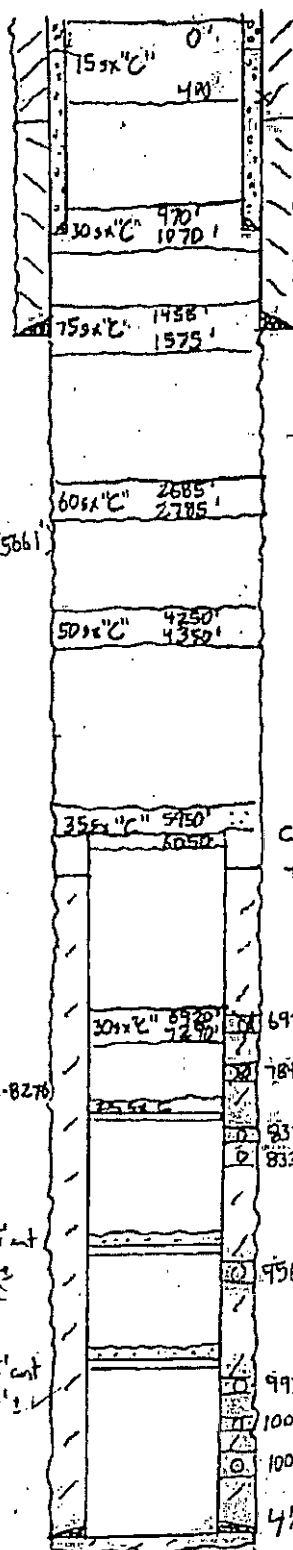
Wolfcamp (S92d)

Canyon

"AFTER"

Atoka

Morrow



Hdc 406' ± (500" x C)
TOC 424'

7 1/2" S95/FJ e 1020'
150" C

8 5/8" @ 1505'
100 Thick + 400 HLC + 200 C
8 5/8" 1" = 372" x C Circ 20" x

Cut & pull 4 1/2" ± 6000'
TOC 6310' CBL

6970-7167' (15)

7847-7849' (6)

8320-8325' (12)

8325-8370' (167)

9564-9570' (20)

9936-37'

10003, 10014' (12)

10050'-10214' (33)

4 1/2" @ 10390'
350" x Sym H

12 1/4"

7 7/8"

6 1/8"

25 1/2" C 8086-8270'
CIP 8-75'

9 5/8" C 100' to 135' cut
950' ±

CIP 135' cut
9900' ±

Well: Zelora FF Fed. 1 SWD

Zero: 21' AGL

Location: 1980' FNL, 1980' FWL
F-7-215-25e
Faddy NM

KB: 3512'
GL: 3491'

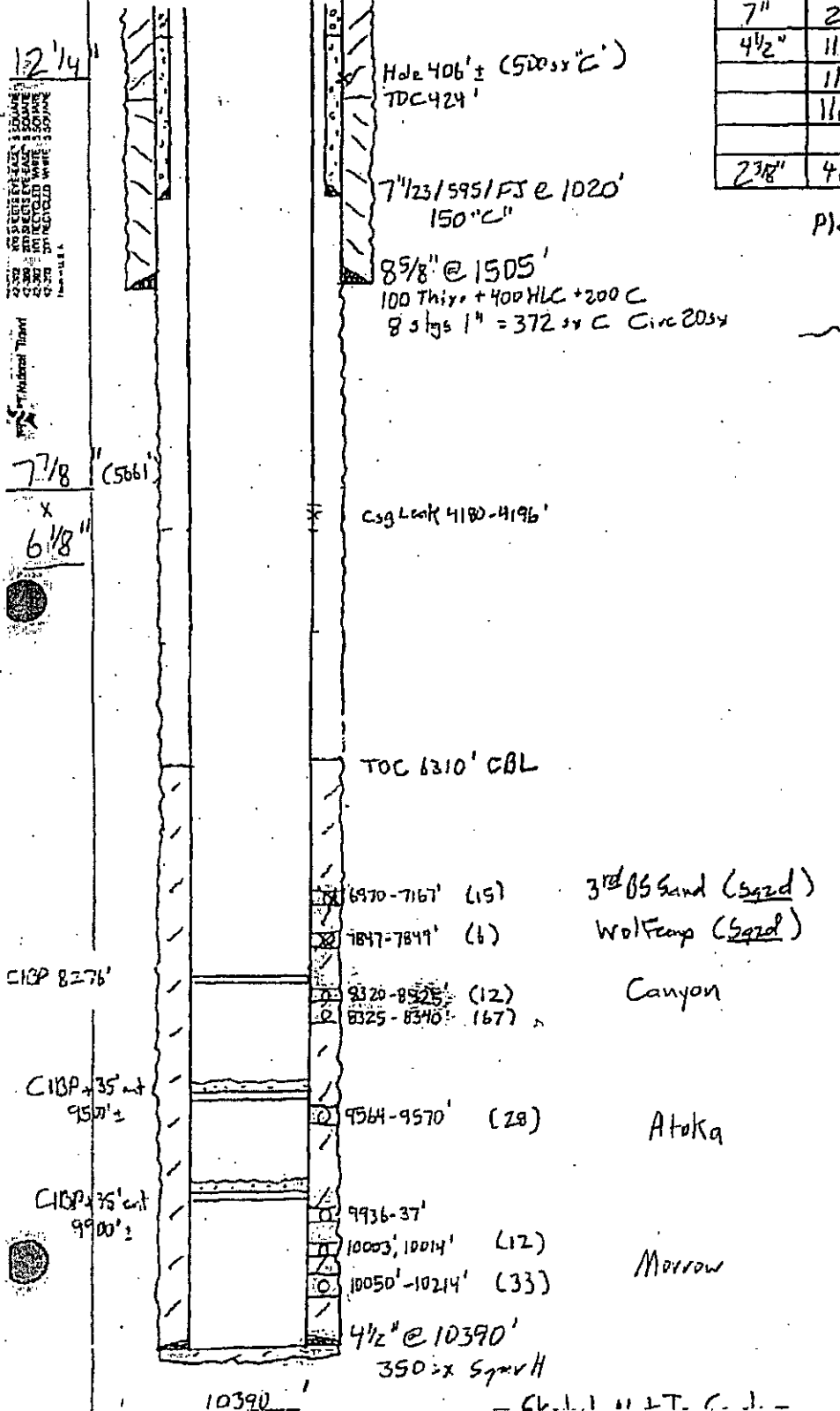
API: 30-015-32056, NM-99018

Casing Program:

Size	Wt.	Grade	Conn.	Depth
8 5/8"	24	J55	STE	1505'
7"	23	S95	FJ	1020'
4 1/2"	11.6	M95-110		8871' ±
	11.6	N80		9503' ±
	11.6	M95-110		10390'
2 3/8"	4.7	J55	EVE	

Plastic Coated

SWD-869
8320-8400'
1664 psi Max



"BEFORE"

10390'

- C.L. 111 T. C. J. -

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.
NMNM99018

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other8. Well Name and No.
ZEBRA FF FEDERAL 12. Name of Operator
COG OPERATING LLCContact: MELANIE PARKER
E-Mail: mparker@concho.com9. API Well No.
30-015-32056-00-S13a. Address
ONE CONCHO CENTER 600 W ILLINOIS AVENUE
MIDLAND, TX 797013b. Phone No. (include area code)
Ph: 575-748-695210. Field and Pool, or Exploratory
UNDESIGNATED

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 7 T21S R25E SENW 1980FNL 1980FWL

11. County or Parish, and State
EDDY COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input checked="" type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

COG Operating LLC respectfully requests permission to perform casing repair detailed below:

Casing leak found 4180-4196'. Plan to remedially cement to restore csg integrity. Dump bail 2 sx sand on top of RBP at 6918' and set cmt ret at approx 4100'. Place cement behind 4 1/2" as follows:
350 sx Halliburton Light (12.5 ppg, 1.93 cfps)
100 sx ClassC neat (14.8 ppg, 1.32 cfps).
Cement volume calculated to bring TOC to 2500' using caliper + 25% excess.
After the csg leak is repaired and csg integrity restored, run CBL from RBP at 6918' to 300' above the definite TOC of the remedial cmt job.

**SUBJECT TO LIKE
APPROVAL BY STATE**NM OIL CONSERVATION
ARTESIA DISTRICTSEE ATTACHED FOR
CONDITIONS OF APPROVAL

Accepted for record

NMOCB 12/9/14

DEC 09 2014

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #256255 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Carlsbad

Committed to AFMSS for processing by JENNIFER MASON on 11/10/2014 (15JAM0070SE)

Name (Printed/Typed) BRIAN COLLINS

Title SENIOR OPERATIONS ENGINEER

Signature (Electronic Submission)

Date 08/07/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

APPROVED

Approved By

Title

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the
POD suffix indicates the
POD has been replaced
& no longer serves a
water right file.)

(R=POD has
been replaced,

O=orphaned,

C=the file is (quarters are 1=NW 2=NE 3=SW 4=SE)

closed) (quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD Sub	Code	basin	County	Q	Q	Q	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 01470	C	ED	2	4	06	21S	25E	553698	3596774*				284	264	20
C 02731	C	ED	1	3	4	18	21S	25E	553218	3593208*			233	60	173

Average Depth to Water: 162 feet

Minimum Depth: 60 feet

Maximum Depth: 264 feet

Record Count: 2

PLSS Search:

Section(s): 6-8, 18

Township: 21S

Range: 25E

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



New Mexico Office of the State Engineer Water Column/Average Depth to Water

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C=the file is
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Sub-Code basin County														
Q Q Q Sec Tws Rng														
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 02112	C	ED	1	3	4	13	21S	24E	393329	3571629		182	119	63

Average Depth to Water: 119 feet

Minimum Depth: 119 feet

Maximum Depth: 119 feet

Record Count: 1

PLSS Search:

Section(s): 12-13

Township: 21S

Range: 24E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

Bill Richardson
Governor
Joanna Prukop
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

ADMINISTRATIVE ORDER SWD-869

APPLICATION OF MARBOB ENERGY CORPORATION FOR SALT WATER DISPOSAL, EDDY COUNTY, NEW MEXICO.

ADMINISTRATIVE ORDER OF THE OIL CONSERVATION DIVISION

Under the provisions of Rule 701(B), Marbob Energy Corporation made application to the New Mexico Oil Conservation Division on December 16, 2002, for permission to complete for produced water disposal its Zebra Federal "FF" Well No. 1 (API No. 30-015-32056) located 1980 feet from the North line and 1980 feet from the West line (Unit F) of Section 7, Township 21 South, Range 25 East, NMPM, Eddy County, New Mexico.

THE DIVISION DIRECTOR FINDS THAT:

- (1) The application has been duly filed under the provisions of Rule 701(B) of the Division Rules and Regulations;
- (2) Satisfactory information has been provided that all offset operators and surface owners have been duly notified;
- (3) The applicant has presented satisfactory evidence that all requirements prescribed in Rule 701 will be met; and
- (4) No objections have been received within the waiting period prescribed by said rule.

IT IS THEREFORE ORDERED THAT:

Marbob Energy Corporation is hereby authorized to complete its Zebra Federal "FF" Well No. 1 (API No. 30-015-32056) located 1980 feet from the North line and 1980 feet from the West line (Unit F) of Section 7, Township 21 South, Range 25 East, NMPM, Eddy County, New Mexico, in such a manner as to permit the injection of produced water for disposal purposes into the Canyon formation from a depth of 8320 feet to 8400 feet through 2 3/8 inch plastic-lined tubing set with a packer located at approximately 8275 feet.

IT IS FURTHER ORDERED THAT:

The operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

Prior to commencing injection operations, the production casing shall be pressure tested from the surface to the proposed packer setting depth, to assure the integrity of the casing.

The casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing, or packer.

The injection well or system shall be equipped with a pressure limiting device which will limit the wellhead pressure on the injection well to no more than 1664 psi.

The Director of the Division may authorize an increase in injection pressure upon a proper showing by the operator of said well that such higher pressure will not result in migration of the injected fluid from the injection formation. Such proper showing shall consist of a valid step-rate test run in accordance with and acceptable to this office.

The operator shall notify the supervisor of the Artesia District Office of the Division of the date and time of the installation of disposal equipment and of any mechanical integrity test so that the same may be inspected and witnessed.

The operator shall immediately notify the supervisor of the Artesia District Office of the Division of the failure of the tubing, casing, or packer in said well and shall take such steps as may be timely and necessary to correct such failure or leakage.

PROVIDED FURTHER THAT, jurisdiction is retained by the Division for the entry of such further orders as may be necessary for the prevention of waste and/or protection of correlative rights or upon failure of the operator to conduct operations (1) to protect fresh water or (2) consistent with the requirements in this order, whereupon the Division may, after notice and hearing, terminate the injection authority granted herein.

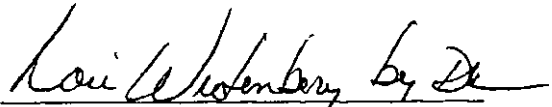
The operator shall submit monthly reports of the disposal operations on Division Form C-115, in accordance with Rule Nos. 706 and 1120 of the Division Rules and Regulations.

The injection authority granted herein shall terminate one year after the effective date of this order if the operator has not commenced injection operations into the subject well, provided

Administrative Order SWD-869
Marbob Energy Corporation
January 7, 2003
Page 3

however, the Division, upon written request by the operator, may grant an extension thereof for good cause shown.

Approved at Santa Fe, New Mexico, on this 7th day of January 2003.

A handwritten signature in dark ink, appearing to read "Lori Wrotenbery", is written over a horizontal line.

LORI WROTENBERY, Director

LW/DRC

cc: Oil Conservation Division – Artesia
Bureau of Land Management – Carlsbad

McMillan, Michael, EMNRD

From: Travis Cude <tcude@mewbourne.com>
Sent: Monday, December 21, 2015 4:04 PM
To: McMillan, Michael, EMNRD
Subject: RE: Zebra FF Federal SWD Well No.1

Mike,

Thank you for the bringing this to our attention. We will re-run the notice and I will submit the affidavit with a corrected wellbore schematic data sheet. I apologize for the confusion.

We took over operations from COG within the last month. The well was T/A; it was never plugged. We are currently performing the remedial work to repair the casing leak.

We will be fine with setting a bridge plug at approximately 8,550'.

Thanks again and I'll be in touch,

Travis

From: McMillan, Michael, EMNRD [mailto:Michael.McMillan@state.nm.us]
Sent: Monday, December 21, 2015 3:51 PM
To: Travis Cude
Cc: Jones, William V, EMNRD; Goetze, Phillip, EMNRD; Lowe, Leonard, EMNRD
Subject: Zebra FF Federal SWD Well No.1

Travis:

I am looking at the Zebra FF Federal SWD Well No.1. Your affidavit of publication lists the formation, but not the injection depths.

The depths are required by 19.15.26 C(1)NMAC.

You will need the following information

- You will have to rerun the newspaper legal notice.
- Further, the wellbore schematic data does not match the well bore diagram.
- Please provide the status of the well-is it TA-the well file had a plugging report, but I could not clearly tell the status of the well
- Finally, the bridge plug should be set within 200 feet of the lower perforation. If you feel you need an interval long than that, you will be expected to explain why.

Thank you

Michael A. McMillan

Engineering and Geological Services Bureau, Oil Conservation Division
1220 South St. Francis Dr., Santa Fe NM 87505
O: 505.476.3448 F: 505.476.3462
Michael.mcmillan@state.nm.us



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the
POD suffix indicates the
POD has been replaced
& no longer serves a
water right file.)

(R=POD has
been replaced,
O=orphaned,
C=the file is
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q1	Q2	Q3	Q4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 00885	C	ED		3	4	2	05	21S	25E		555204	3597091*	348		
C 00885 POD2	C	ED		3	4	2	05	21S	25E		555204	3597091*	379	348	31
C 01470	C	ED		2	4	06		21S	25E		553698	3596774*	284	264	20
C 02731	C	ED		1	3	4	18	21S	25E		553218	3593208*	233	60	173

Average Depth to Water: 224 feet

Minimum Depth: 60 feet

Maximum Depth: 348 feet

Record Count: 4

PLSS Search:

Section(s): 5-8, 18

Township: 21S

Range: 25E

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



C-108 Review Checklist:

Received 12/03/2015 Add. Request: 12/12/2015 Reply Date: _____ Suspended: _____ [Ver 15]

ORDER TYPE: WFX / PMX / SWD Number: _____ Order Date: _____ Legacy Permits/Orders: _____

Well No. 1 Well Name(s): 26brq F F FederalAPI: 30-0 5-32056 Spud Date: 11/05/2001 New or Old: N (UIC Class II Primacy 03/07/1982)Footages 1580 FNL Lot _____ or Unit F Sec 7 Tsp 215 Rge 256 County EddyGeneral Location: 10 miles NW of Amarillo Pool: _____ Pool No.: _____BLM 100K Map: CHULSLAB Operator: Newbourne Oil Company OGRID: 14744 Contact: THAVIS Cudd's EngineeringCOMPLIANCE RULE 5.9: Total Wells: 935 Inactive: 3 Fincl Assur: Y Compl. Order? N/A IS 5.9 OK? Y Date: 1-19-2016WELL FILE REVIEWED ☒ Current Status: TAWELL DIAGRAMS: NEW: Proposed ☐ or RE-ENTER: Before Conv. ☐ After Conv. ☒ Logs in Imaging: C-NW-43 D-LLPlanned Rehab Work to Well: 5840022 CASING LEAK GW 4180-4190/452
Sx unit Raise TO C-13-L B/E APPROVAL
102,500.

Well Construction Details

	Sizes (in) Borehole / Pipe	Setting Depths (ft)	Cement Sx or Cf	Cement Top and Determination Method
Planned ___ or Existing ___ Surface	<u>12 1/4 / 8 5/8</u>	<u>1505</u>	<u>1072</u>	<u>SURFACE VISUAL</u>
Planned ___ or Existing ___ Intern/Prod	<u>8 1/2 / 7 1/2</u>	<u>1020</u>	<u>150</u>	<u>SURFACE VISUAL</u>
Planned ___ or Existing ___ Intern/Prod	<u>7 7/8 / 7"</u>	<u>5661</u>		
Planned ___ or Existing ___ Prod/Liner	<u>6 7/8 / 4 1/2</u>	<u>13902</u>		<u>6381 / CBL</u>
Planned ___ or Existing ___ Liner				
Planned ___ or Existing ___ OH / PERF	<u>8320 / 8 1/2</u>		<u>80'</u>	

Completion/Operation Details:

Injection Lithostratigraphic Units	Depths (ft)	Injection or Confining Units	Tops	Drilled TD	PBTD
Adjacent Unit: <u>Litho</u> Struc. Por.		<u>7895</u>	<u>1100</u>	<u>13500</u>	<u>8500</u>
Confining Unit: <u>Litho</u> Struc. Por.		<u>8320</u>	<u>1100</u>	<u>8500</u>	<u>8500</u>
Proposed Inj Interval TOP:	<u>8320</u>				
Proposed Inj Interval BOTTOM:	<u>8400</u>				
Confining Unit: <u>Litho</u> Struc. Por.	<u>8610</u>		<u>SHUK</u>		
Adjacent Unit: <u>Litho</u> Struc. Por.					

NEW TD 8500 NEW PBTD 8500
 NEW Open Hole ☐ or NEW Perfs ☒
 Tubing Size 2 7/8 in. Inter Coated? Y
 Proposed Packer Depth 8275 ft
 Min. Packer Depth 8220 (100-ft limit)
 Proposed Max. Surface Press. _____ psi
 Admin. Inj. Press. _____ (0.2 psi per ft)

AOR: Hydrologic and Geologic Information

POTASH: R-111-P _____ Noticed? _____ BLM Sec Ord ☐ WIPP ☐ Noticed? _____ Salt/Salado T: _____ B: _____ NW: Cliff House fm _____
 FRESH WATER: Aquifer Quaternary Max Depth 3164 HYDRO AFFIRM STATEMENT By Qualified Person ☒
 NMOSE Basin: CAIRN CAPITAN REEF: thru adj NA No. Wells within 1-Mile Radius? 1 FW Analysis ✓ (inadequate)
 Disposal Fluid: Formation Source(s) Base Spring Analysis? Y On Lease ☐ Operator Only ☐ or Commercial ☒
 Disposal Int: Inject Rate (Avg/Max BWPDP): 54/10K Protectable Waters? _____ Source: _____ System: Closed or Open
 HC Potential: Producing Interval? N/A Formerly Producing? ☒ Method: Logs/DST/P&A/Other PERF/dry 2-Mile Radius Pool Map ☒
 AOR Wells: 1/2-M Radius Map? Y Well List? N/A Total No. Wells Penetrating Interval: 0 Horizontals? _____
 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 _____ Mineral Owner BLM Surface Owner BLM N. Date 10-31RULE 26.7(A): Identified Tracts? _____ Affected Persons: CDG N. Date 11-16-2015Order Conditions: Issues: 1. Newspaper 2. Injection datesheet. Plus 1 has errorsAdd Order Cond: * -> signed waiver. set plus 02 8550.

McMillan, Michael, EMNRD

From: Travis Cude <tcude@mewbourne.com>
Sent: Wednesday, January 06, 2016 2:46 PM
To: McMillan, Michael, EMNRD
Subject: RE: Zebra FF Federal SWD Well No.1

Thank you!

From: McMillan, Michael, EMNRD [mailto:Michael.McMillan@state.nm.us]
Sent: Wednesday, January 06, 2016 3:43 PM
To: Travis Cude
Subject: RE: Zebra FF Federal SWD Well No.1

That is fine, it would be ridiculous to have you pull tubing when it has already been ran
Mike

From: Travis Cude [mailto:tcude@mewbourne.com]
Sent: Wednesday, January 06, 2016 2:11 PM
To: McMillan, Michael, EMNRD
Subject: RE: Zebra FF Federal SWD Well No.1

Mike,

As I had previously mentioned, we have been actively working on this well. We have already ran and set 2 7/8" tubing which was witnessed by the BLM.

As you know, COG was the previous operator of this well and it went out of compliance after failing the MIT test. Subsequently, COG lost their injection authority. As you had mentioned, they received notice to either repair or plug the well and they filed sundry intents for both.

We came to an agreement with COG to acquire the wellbore and remediate the casing leak. As part of the approval to release COG from INC and approved the Change of Operator, the BLM approved our procedure and required us to begin work on the well as soon as the COO was processed, which included the 2 7/8" tubing. Additionally, we needed to wait to file our C-108 application until the COO was processed. The timing trying to work with both regulatory agencies didn't sync in this case.

We purchased the 2 7/8" lined tubing and don't typically come across another application where we could re-use it if we were to pull it and run 2 3/8".

In light of Mewbourne having already re-worked the well per the BLM's request and restored it to compliance pending approval of injection authority, would the OCD allow for injection through the 2 7/8" tubing as applied for?

Thank you for your consideration.

Travis

Affidavit of Publication

State of New Mexico,
County of Eddy, ss.

Rynni Henderson, being first duly
sworn, on oath says:

That she is the Publisher of the
Carlsbad Current-Argus, a
newspaper published daily at the
City of Carlsbad, in said county of
Eddy, state of New Mexico and of
general paid circulation in said
county; that the same is a duly
qualified newspaper under the laws
of the State wherein legal notices
and advertisements may be
published; that the printed notice
attached hereto was published in the
regular and entire edition of said
newspaper and not in supplement
thereof on the date as follows, to wit:

December 24 2015

That the cost of publication is **\$75.40**
and that payment thereof has been
made and will be assessed as court
costs

Rynni Henderson

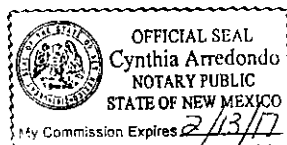
Subscribed and sworn to before me
this 30 day of December
2015

Cynthia Arredondo

My commission Expires

2/13/17

Notary Public



December 24, 2015
NOTICE
Mewbourne Oil Company has filed an application with the New Mexico Oil Conservation Division seeking approval to dispose of produced water in the Zebra FF Federal #1 located at 1980 feet from the North line and 1980 feet from the West line (SE/NW) of Section 7, Township 5.21, South, Range 25, East, NMPM, Eddy County, New Mexico, into the Upper Pennsylvanian formation. The injection interval occurs from a depth of 8,320 feet to 8,400 feet. Expected maximum injection rates are 10,000 BWPD at an average of 5000 BWPD with a maximum surface injection pressure of 1664 psi. If you object to the application, you must file a written request for a hearing with the Division within 15 days of this date of notice is published. The Division's address is 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. Failure to object will preclude you from contesting this matter at a later date. The name and address of the contact party for the applicant is Corey Mitchell, Mewbourne Oil Company, Suite 1020, 500 West Texas Ave., Midland, Texas 79701, (432) 682-3715. The well is located approximately 15 miles Northwest of Carlsbad, New Mexico.