

| | | | | | |
|----------------------|----------|-----------------|------------------------|-------------|--------------------------|
| 4/20/2015 DATE IN | SUSPENSE | PRG ENGINEER | 4/22/2015 LOGGED IN | SWD TYPE | PMAM1511253389 APP NO |
|----------------------|----------|-----------------|------------------------|-------------|--------------------------|

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 _____

- SWD 1554
 - COG operating, LLC
 224137
 - well
 MAN 32 state SWD #1
 30-015-22156
 Pool
 - SWD, Cisco-Canyon
 96186

[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

RECEIVED 000
 APR 20 10 3 52

[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.

BRIAN COLLINS

Print or Type Name

Signature

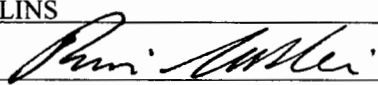
Operations Engineering Advisor

Title

16 Apr 2015
Date

bcollins@concho.com
 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: COG Operating, LLC.
ADDRESS: 2208 West Main St, Artesia, NM 88210
CONTACT PARTY: BRIAN COLLINS PHONE: 575-748-6940
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? Yes X No
If yes, give the Division order number authorizing the project: _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: BRIAN COLLINS TITLE: Operations Engineering Advisor
SIGNATURE:  DATE: 16 Apr 2015
E-MAIL ADDRESS: bcollins@concho.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: _____



April 14, 2015

RECEIVED COG
2015 APR 20 PM 3:52

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

RE: Application For Authorization To Inject
MAN 32 State SWD #1
Township 18 South, Range 28 East, N.M.P.M.
Section 32: 660' FSL & 1980' FWL
Eddy County, New Mexico

Dear Mr. Goetze:

COG Operating LLC respectfully requests administrative approval for authorization to inject for the referenced well. Attached, for your review, is a copy of the C-108 application. Once we receive the newspaper publication and all certified return receipts, I will send you a copy. We're proposing to reenter this well bore and make it into a Cisco/Canyon SWD well from 8840' to 9154'.

Please do not hesitate to contact me at (575) 748-6940 should you have any questions.

Sincerely,

A handwritten signature in cursive script, appearing to read "Brian Collins".

Brian Collins
Operations Engineering Advisor

BC/sw
Enclosures

C-108 Application for Authorization to Inject
MAN 32 STATE SWD 1
660' FSL, 1980' FWL
Unit N, Sec 32, T18S, R28E
Eddy County, NM

API 30-015-22156

COG Operating, LLC, proposes to reenter the captioned well, originally drilled as the State BU No. 1, clean out the well to 9400', spot a cement plug from 9200' to 9400', run 7" to 9200', cement from 9200' to 2000', perforate and acidize the Cisco/Canyon dolomite from 8840' to 9154' and put the well into SWD service.

- V. Map is attached.
- VI. No wells currently penetrate the proposed injection zone within the ½ mile radius area of review. One well lies just outside the ½ mile radius area of review. Well bore schematic is attached.
- VII.
 - 1. Proposed average daily injection rate = 5,000 BWPD
Proposed maximum daily injection rate = 20,000 BWPD
 - 2. Closed system
 - 3. Proposed maximum injection pressure = 1768 psi
(0.2 psi/ft. x 8840 ft.)
 - 4. Source of injected water will be Bone Spring and Wolfcamp produced water. No compatibility problems are expected (we've seen no compatibility issues in a nearby Cisco/Canyon dolomite SWD located in T19S R28E that takes the same produced water as the proposed SWD well). Analyses of Bone Spring and Wolfcamp waters are attached.
- VIII. The injection zone is the Cisco/Canyon dolomite from 8840' to 9154'. The proposed injection formation is composed of dolomite. Any underground water sources will be shallower than 450' based on reported water shows in a well drilled in Unit B, Section 5, T19S, R28E.
- IX. The Cisco/Canyon dolomite injection interval will be acidized with approximately 20,000 gals of 20% HCl acid.
- X. Well logs are filed with the Division. A portion of the original Dresser Neutron Density log across the proposed injection interval is attached.
- XI. There is one fresh water well within a mile of the proposed SWD well. The water analysis is attached. This well is located NW/4 NW/4 NE/4 of Section 5, T19S, R28E, depth unknown.
- XII. After examining the available geologic and engineering data, no evidence was found of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Proof of Notice is attached.

III.

WELL DATA

INJECTION WELL DATA SHEET

OPERATOR: COG Operating, LLCWELL NAME & NUMBER: MAN 32 State Snd 1 (Formerly State BU-1)WELL LOCATION: 660' FSL 1980' FWL UNIT LETTER N SECTION 32 TOWNSHIP 18s RANGE 28eWELLBORE SCHEMATICWELL CONSTRUCTION DATA
Surface CasingHole Size: 17 1/2" Casing Size: 13 7/8" @ 402' (In Place)
Cemented with: 450 sx + 8 yd red mix or _____ _____ ft^3 Top of Cement: Surface Method Determined: Circulate
Intermediate Casing
by topping off w/ red mixSee attached before & after
well schematicsHole Size: 12 1/4" Casing Size: 9 5/8" @ 2492' (In Place)
Cemented with: 1325 _____ _____ ft^3 Top of Cement: Surface Method Determined: CirculatedProduction CasingHole Size: 8 3/4" Casing Size: 7" @ \pm 9200'Cemented with: _____ _____ _____ ft^3 Top of Cement: 2000' \pm Method Determined: DesignTotal Depth: 9400' (set 200' cement plug 9200-9400')Injection Interval8840' feet to 9154'

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEETTubing Size: 3 1/2" or 4 1/2" Lining Material: Dualine 20 or GlassboreType of Packer: Nickel coated 10K double grip retrievablePacker Setting Depth: ± 8800'Other Type of Tubing/Casing Seal (if applicable): N/AAdditional Data1. Is this a new well drilled for injection? Yes X NoIf no, for what purpose was the well originally drilled? Dil & gas2. Name of the Injection Formation: Cisco/Canyon (Upper Penn)3. Name of Field or Pool (if applicable): Illinois Camp4. 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. NoReentry - see attached wellbore schematics

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

Overlying: Seven Rivers ± 650-725', Queen/Grayburg/San Andres ± 1800-2900'Delaware ± 4600-4650', Bone Spring ± 6500-8000', Wolfcamp ± 8550-9050'Underlying: Penn/Stroman ± 9550-9900', Atoka ± 10050-10500'Morrow ± 10,500-11250'

30-115-22156

MAN 32 State SWD /
(Formerly State BU-1)
660' FSL, 1980' FWL
N-32-18s-28e
Eddy, NM

Zem: 21' AGL

KB: 3563'

GL: 3541.9' (3542')

17 1/2"

12 1/4"

8 3/4"

LC 250'

13 3/8" / 54.5 / KSS / STC @ 402' 4525x" C" + 8yd red line

CBL

TOC 2000' Design

9 5/8" / 40 / JSS /

@ 2492'

11255x Double + 2003x" C"
(circ 2715x)

3 1/2" or 4 1/2" Inj Tbg

After Reentry / Conversion
To SWD

Inj. Pkr ± 8800'

8840'

Cisco/Canyon

9154'

7" / / / @ 9200' ± Cmt ± 2200 CF.

1505x H 9200'
9400'

1505x H 10225'
10500'

10917'

30-115-22156

MAN 32 State SWD 1
(Formerly State BU-1)
660' FSL 1980' FWL
N-32-18s-28e
Eddy, NM

Zero:

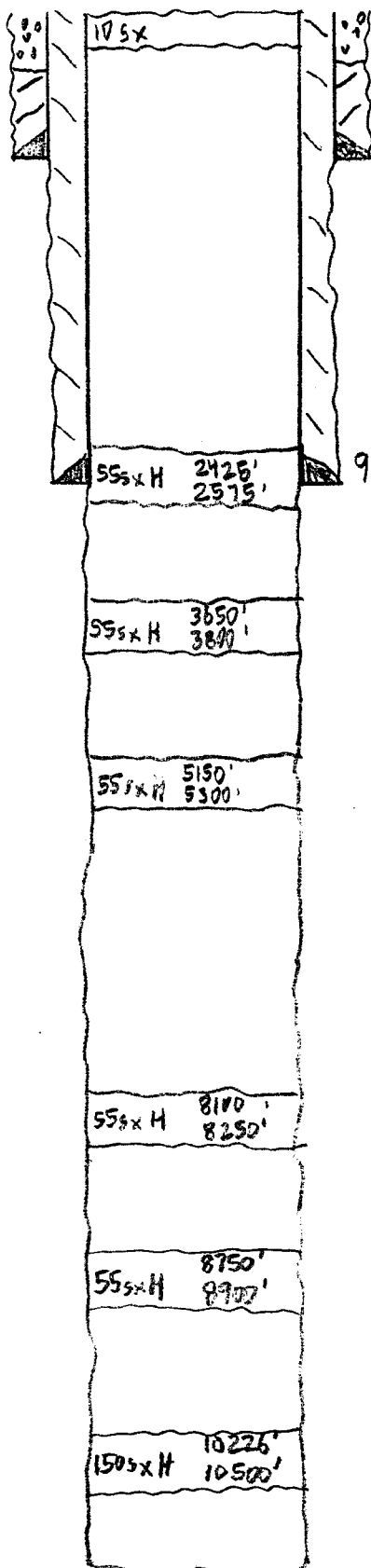
NB:

GLI 3541.9'

17 1/2"

12 1/4"

8 3/4"



LC 250'

13 3/8" / 54.5 / K85 / STC @ 402' 450sx"C" 18yr red line x

9 5/8" / 40 / J55 /

@ 2492'

1125sx Dowlate + 200sx"C"
(casing 200sx)

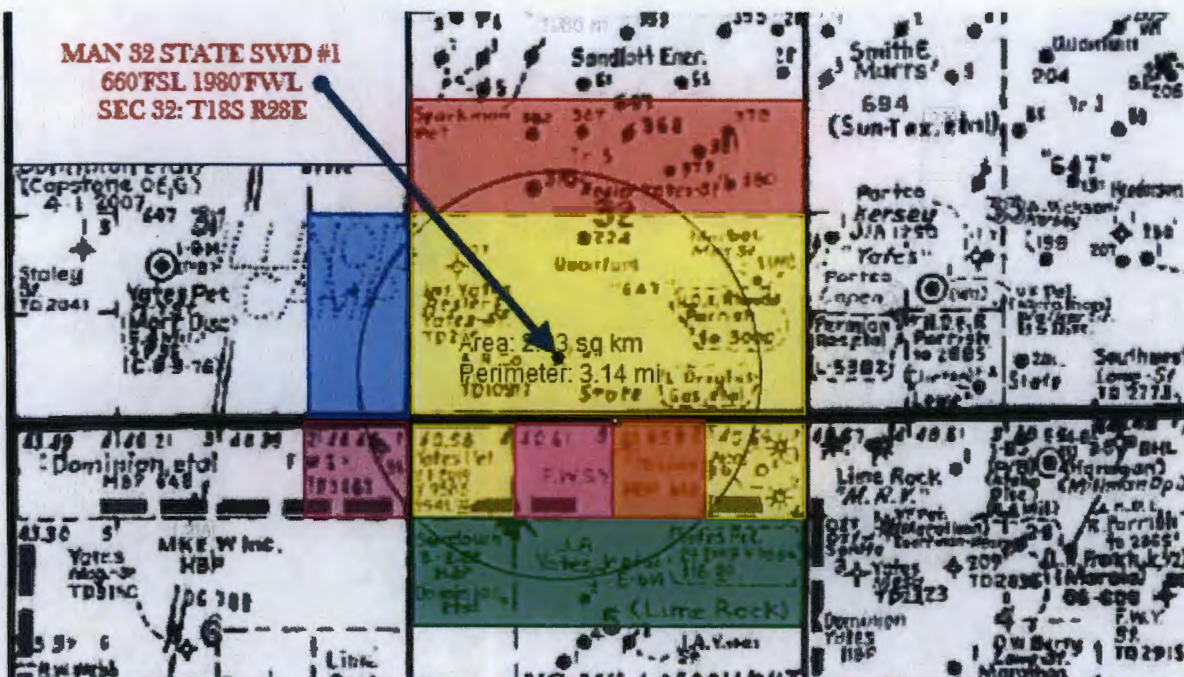
Before Reentry / Conversion
To SWD

10917'

V.

MAP

MAN 32 STATE SWD #1
660FSL 1980FWL
SEC 32: T18S R28E



- **Slash Exploration LP**
P.O.Box 1973
Roswell, NM 88201-1973
- **McCombs Energy, LLC**
5599 San Felipe, STE.1200
Houston, TX 77056
- **Capstone Oil & Gas Company, LP**
P.O.Box 10187
Midland, TX 79702
- **Elysium Enterprises, LP**
1701 River Run Rd., STE 800
FT. Worth, TX 76107
- **CMW Interests, Inc.**
4929 Rustic Trail
Midland, TX 79707
- **Elger Exploration, Inc.**
P.O.Box 2623
Midland, TX 79702
- **Khody Land & Minerals Company**
3817 NW Expressway, STE. 950
Oklahoma City, OK 73112
- **Keystone Petroleum NM, LLC**
222 W Las Colinas BLVD. STE. 1570E
Irving, TX 75039
- **ZPZ Delaware, LLC**
303 Veterans Airpark Lane, Suite 3000
Midland, TX 79705
- **Yates Petroleum Corporation**
105 S. 4th St
Artesia, NM 88210
- **Marathon Oil Company**
P.O.Box 552
Midland, TX 79702
- **PGP Holdings I, LLC**
104 Town Park Drive
Kennesaw, GA 30144
- **LRE Operating, LLC**
1111 Bagby, STE 4600
Houston, TX 77002
- **State of New Mexico**
310 Old Santa Fe Trail
Santa Fe, NM 87504

VI.

**Wells Penetrating
Proposed Disposal
Interval Within Half
Mile Area of Review**

Well: MAN State 1

Location: 1780' FSL 660' FEL

I-32-18s-28e

Eddy NM

30-015-35282

Zero: 15' AGL

KB: 3543'

GL: 3528'

Casing Program:

| Size | Wt. | Grade | Conn. | Depth |
|----------------------------------|-----|---------|-------|--------|
| 13 ³ / ₈ " | 48 | H40 | STC | 351' |
| 8 ⁵ / ₈ " | 24 | J55 | STC | 2780' |
| 5 ¹ / ₂ " | 17 | MPS-110 | LTC | 11088' |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| 2 ³ / ₈ " | 4.7 | L80 | EUE | |
| | | | | |

17¹/₂"

13³/₈" @ 351'
425" C" (circ 425x)

8⁵/₈" @ 2780' 750 HLC + 290" C" (circ 1463x)

TOC 2950' TS

DV 8300'

Just Outside 1/2 Mile Area of Review

C10P+35' cat 10655'

C10P 10740'

FC 11050'

10122-26' (30)

Atoka

10700-04' (30)

U. Morrow

10755-10840' (78)

Morrow

5¹/₂" @ 11088'

1st: 350 HLC + 200 Super H (circ 445x)
2nd: 900 HLC + 100" C"

VII.

Water Analysis Produced and Receiving Formation Water

| | | | | | | | | | | | | | | | |
|------------------------|-----------------------|--------------------|-------------------|--------------------|-------------------|---------------------|-------------------|-------------|-----------------------|--------------------|-----------|----------------------|-----------------------|----------------------|--------------------|
| TH (CaCO3) 20530.54 | Na (mg/L) 43509.27 | K (mg/L) 957.44 | Zn (mg/L) 0.00 | Fe (mg/L) 28.72 | Ba (mg/L) 0.00 | Sr (mg/L) 414.86 | Mn (mg/L) 1.36 | Resistivity | HCO3 (mg/L) 159.00 | CO3 (mg/L) 0.00 | OH (mg/L) | SO4 (mg/L) 850.00 | Cl (mg/L) 83000.00 | CO2 (mg/L) 140.00 | H2S (mg/L) 0.00 |
| TH (CaCO3) 13352.51 | Na (mg/L) 28320.32 | K (mg/L) 350.70 | Zn (mg/L) 0.00 | Fe (mg/L) 17.85 | Ba (mg/L) 1.77 | Sr (mg/L) 707.79 | Mn (mg/L) 0.00 | Resistivity | HCO3 (mg/L) 220.00 | CO3 (mg/L) 0.00 | OH (mg/L) | SO4 (mg/L) 950.00 | Cl (mg/L) 54600.00 | CO2 (mg/L) 60.00 | H2S (mg/L) 0.00 |
| 10421.23 | 27950.00 | 433.00 | | 15.00 | 2.48 | 780.00 | 0.41 | | 366.00 | 0.00 | | 150.00 | 45500.00 | 140.00 | 0.00 |

DRILLING REPORT - RE-ENTRY

Page 5

Yates Petroleum - Chalk "AKH" Federal Com #1 (Unit I) 22-18S-27E Eddy Co.

*****New Mexico***

| | | |
|------------------------|--------------|--------------|
| 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 CaCO3 | 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 MAN 32 State SWD 1.



Compensated
Compenstrated **Densilog**
Neutron



Combination Logging Systems

FILE NO.

NC CORR 448

COMPANY

Atlantic Field Co.

WELL

STATE BU NO. 1

FIELD

WILDCAT (ILL. CAM-ROW)

COUNTY

EDDY

STATE MEXICO

LOCATION:

660' FSL. & 1980' FWL

Other Services
DLL/MLL/GR

SEC 32

TWP 18-S

RGE 28S

GROUND LEVEL

Elev. 3544' NG 3563

Permanent Datum

K. B. 21

Ft. Above Permanent DF 3561

GL 3542

Date

7-13-77

Run No.

ONE

Service Order

76396

Depth—Driller

10917

Depth—Logger

10913

Bottom Logged Interval

10911

Top Logged Interval

120

Casing—Driller

9 5/8" 2497'

@

@

Casing—Logger

2488'

Bit Size

8 3/4"

Type Fluid in Hole

BRINE GEL/PERMALOID

Density and Viscosity

9.6 50

pH and Fluid Loss

9 4.8 cc

Source of Sample

FLOWLINE

Rm @ Meas. Temp.

0.71 @ 68 °F

@

@

Rm @ Meas. Temp.

* @ °F

@

@

Rm @ Meas. Temp.

* @ °F

@

@

Rm @ Meas. Temp.

* @ °F

@

@

19 HOURS

136°F

6136 HOBBS

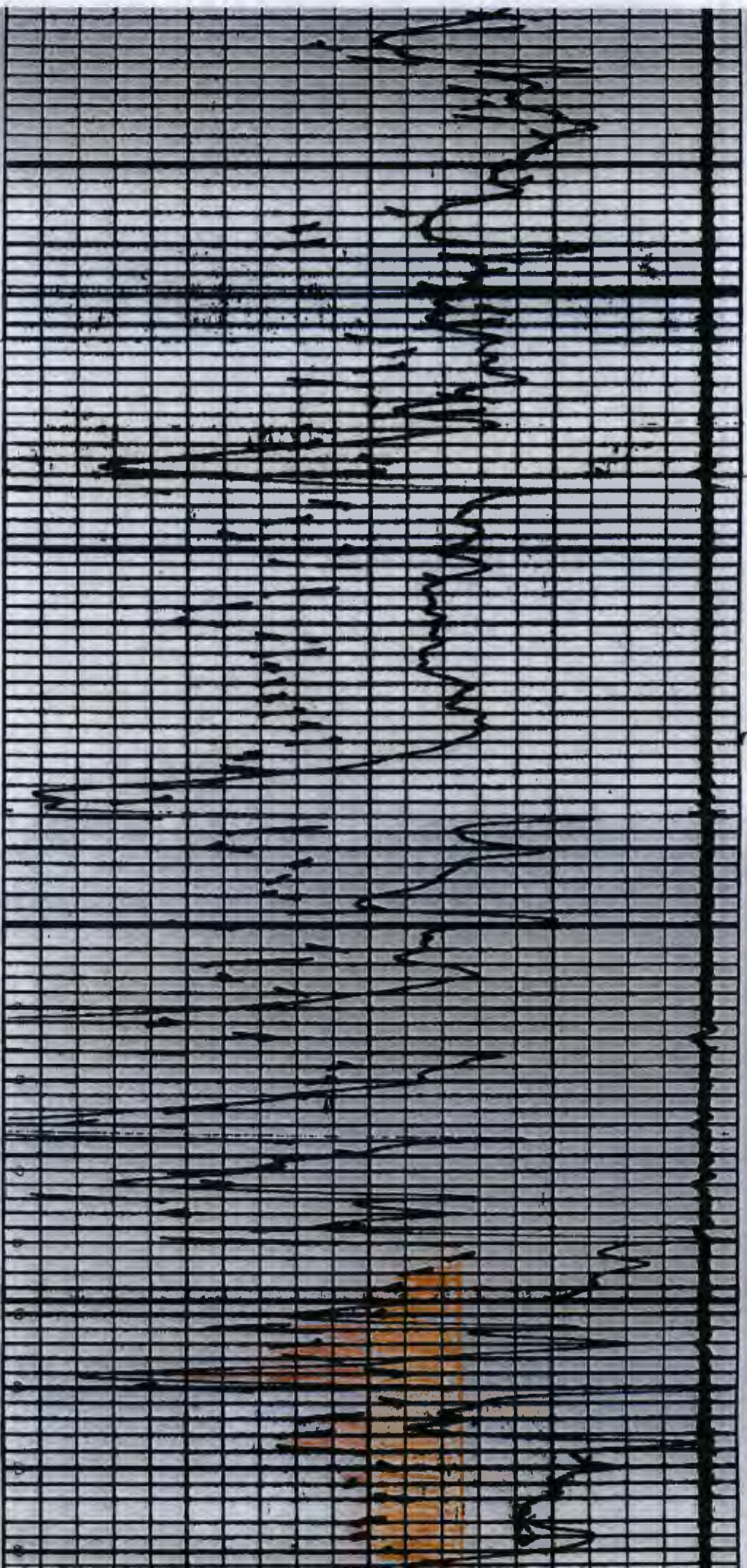
1 ACRY CNL

REMARKS

NEUTRON DECENTRALIZED.
INFORMATION NOT AVAILABLE.

EQUIPMENT DATA

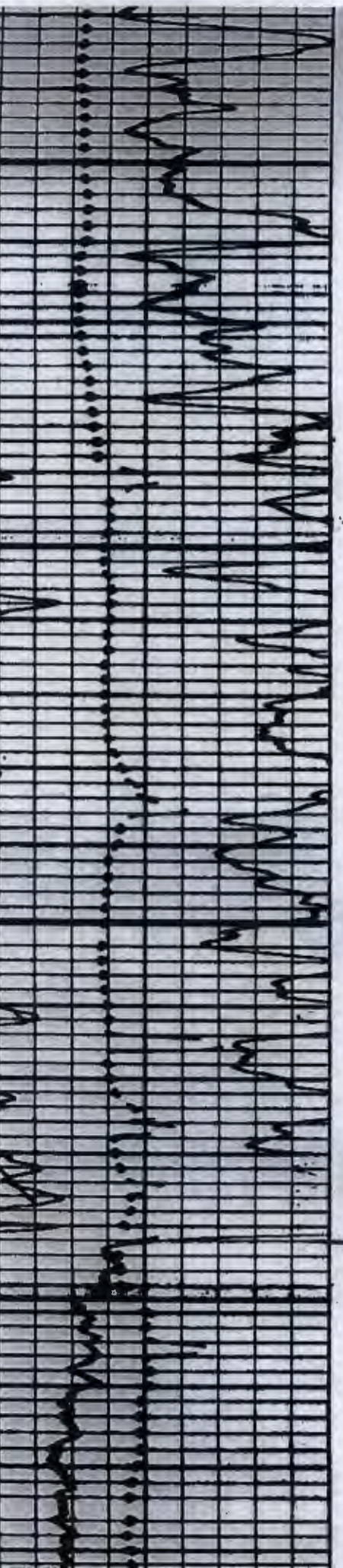
| | RUN NO. 1 | | | RUN NO. 2 | | | RUN NO. 3 | | |
|--------------------|-----------|---------|--------|-----------|-----|----|-----------|-----|----|
| | CDL | CNL | GR | CDL | CNL | GR | CDL | CNL | GR |
| Log No | 2207M | 2413 | 1306 | | | | | | |
| Serial No | 30940 | 30919 | 34112 | | | | | | |
| Counter | 5 1/2" | 3 5/8" | 3 5/8" | | | | | | |
| Log No. | -- | -- | -- | | | | | | |
| Model No. | 1G10X | D6N3 | D6G4 | | | | | | |
| Type | GEIGER | SCINT. | SCINT. | | | | | | |
| Distance to Source | | | 6' | | | | | | |
| Source Model No. | S3T20 | S17S20S | | | | | | | |
| Serial No. | 423 | 34354 | | | | | | | |
| Counter No. | 2254 | 2254 | 3606 | | | | | | |
| Serial No | 29318 | 29473 | 32538 | | | | | | |

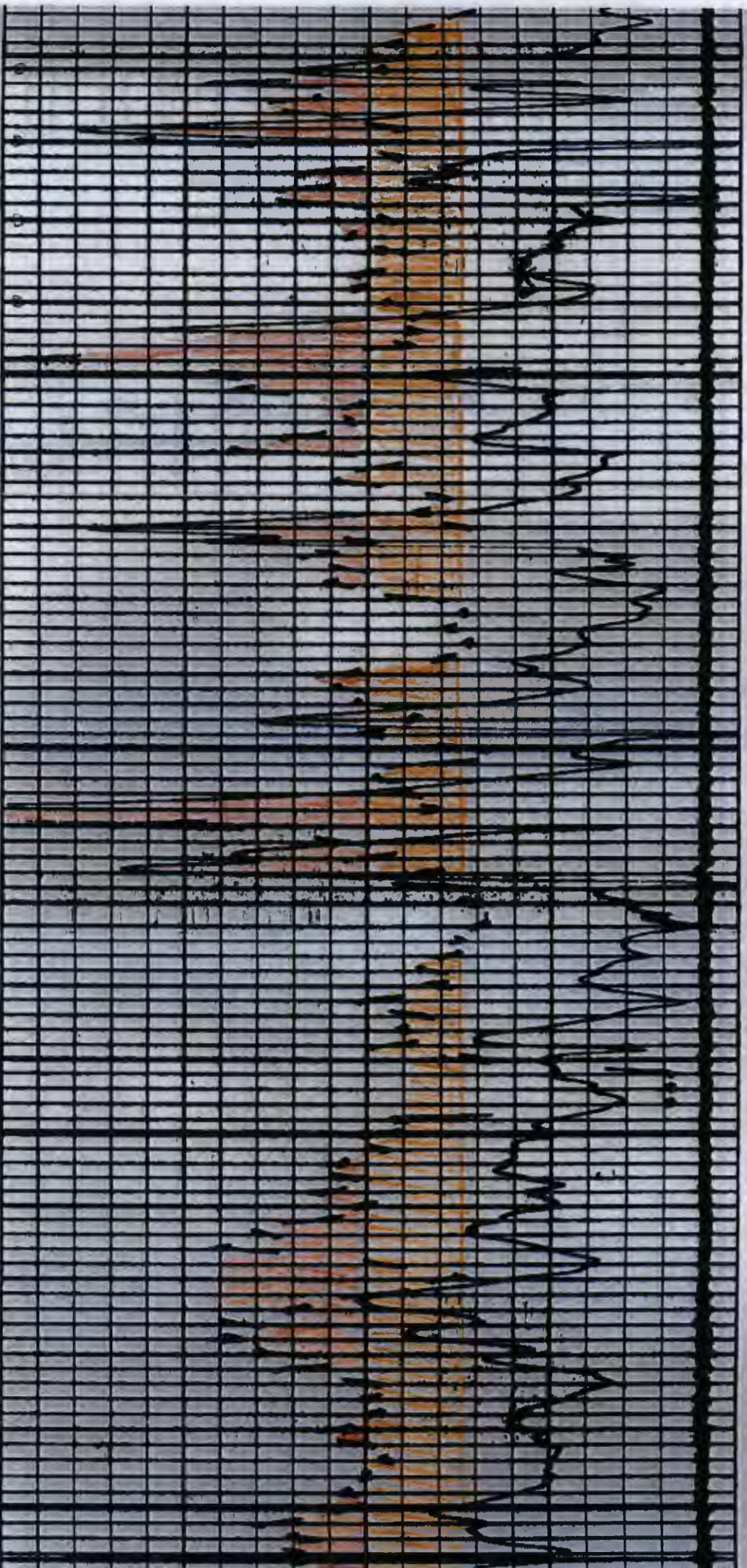


8700

8800

Top
Canyon Doh
8840'





89b

90b



XI.

Fresh Water Sample Analyses



00

9100

Base
Canyon Data
9154

9200



X.

**Log Across Proposed
Canyon Injection
Interval**



New Mexico Office of the State Engineer

Active & Inactive Points of Diversion

(with Ownership Information)

| | | (acre ft per annum) | | (R=POD has been replaced and no longer serves this file, C=the file is closed) | | (quarters are 1=NW 2=NE 3=SW 4=SE) | | (quarters are smallest to largest) (NAD83 UTM in meters) | |
|-------------|-----------|---------------------|----------------------|--|----------|------------------------------------|-------------|--|-----------------|
| WR File Nbr | Sub basin | Use | Diversion | Owner | County | POD Number | Code | Grant | Source |
| RA 08239 | STK | 1.8 | BOGLE FARMS | CH | RA 08239 | No data. | > 1 mi away | 1 1 30 18S 28E | 572964 3620912* |
| RA 08240 | STK | 1.52 | BOGLE FARMS | ED | RA 08240 | No data. | > 1 mi away | 32 18S 28E | 575220 3618733* |
| RA 09588 | DOM | 0 | MARATHON OIL COMPANY | ED | RA 09588 | 300'? | > 1 mi away | 1 2 33 18S 28E | 576976 3619384* |

Record Count: 3

PLSS Search:

Section(s): 28, 29, 30, 31, Township: 18S Range: 28E
32, 33

Sorted by: File Number

*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.

2/23/15 11:26 AM



New Mexico Office of the State Engineer

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

POD Number


RA 08239

Q64 Q16 Q4 Sec Tws Rng

1 1 30 18S 28E

X

Y

572964 3620912* 

Driller License:

Driller Name:

Drill Start Date:

Drill Finish Date:

Plug Date:

Log File Date:

PCW Rcv Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

Depth Well:

Depth Water:

*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

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

POD Number


RA 08240

Q64 Q16 Q4 Sec TwS Rng

32 18S 28E

X

Y

575220 3618733* 

Driller License:

Driller Name:

Drill Start Date:

Drill Finish Date:

Plug Date:

Log File Date:

PCW Rcv Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size:

Depth Well:

Depth Water:

*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

Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

POD Number


RA 09588

Q64 Q16 Q4 Sec Tws Rng

1 2 33 18S 28E

X

Y

576976 3619384* 

Driller License: 421

Driller Name:

Drill Start Date:

Drill Finish Date:

Plug Date:

Log File Date:

PCW Rcv Date:

Source:

Pump Type:

Pipe Discharge Size:

Estimated Yield:

Casing Size: 6.75

Depth Well: 300 feet

Depth Water:

*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
Active & Inactive Points of Diversion
(with Ownership Information)

PLSS Search:

Section(s): 4, 5, 6 Township: 19S Range: 28E

No PODs found.

Field visit resulted in identification of a livestock windmill tank that appears to be located where an old well was plugged. The well API is 30-015-02189 and apparent location is 250' FNL, 2350' FEL, Sec 5-19s-28e. The location 250' FNL, 250' FNL shown in the well file appears to be incorrect.

NW/4 NW/4 NE/4 Sec 5-19s-28e

Halliburton Energy Services
Permian Basin NWA Laboratory
Water Analysis Data Sheet

Page: 1 of 1

Company: COG
Well/Lease: Windmill SEC 5-19s-28e NW NW NE
Formation: _____
County: _____
Requestor: Bret Barrett

Project #: _____
Date Rec: 5/28/2013
TOA: 14:00
District: _____
Depth: _____
Field: _____

| Test No. | #1 | | #2 | | #3 | |
|-------------------------------------|--------|-----------------|----|------|----|-----|
| Source | Source | | | | | |
| Resistivity ohms/M ₂ /M | NA | @ °F | | @ °F | | °F |
| Specific Gravity | | 1.01 @ 70.7 °F | | @ °F | | °F |
| pH | | 8.58 | | | | |
| Soluble Iron (Fe) | | 0.06 mpl | | mpl | | mpl |
| Total Hardness | | 25 mpl | | mpl | | mpl |
| Calcium (Ca) 1 | | 20 mpl | | mpl | | mpl |
| Magnesium (Mg) 1 | | 5 mpl | | mpl | | mpl |
| Chlorides (Cl) 0.1 | | <30 mpl | | mpl | | mpl |
| Sulfates (SO ₄) 1 | | 50 mpl | | mpl | | mpl |
| Bicarbonates (HCO ₃) 10 | | 160 mpl | | mpl | | mpl |
| Potassium (K) | | Not Present mpl | | mpl | | mpl |

Remarks:

Comments:(for Lab use only):

Reported to: _____

CO. _____

City: _____

Time: _____

Date: _____

☐ Phone ☐ Fax ☐ Written

Analyst: Andrea Lehman

Notice: This report is for information only and the content is limited to the sample described. Halliburton makes no warranties, express or implied whether of fitness for a particular purpose, merchantability, or otherwise as to the accuracy of the contents or results. Any user of this report agrees Halliburton shall not be liable for any loss or damage regardless of cause, including any act or omission of Halliburton results. Any user of this report agrees Halliburton shall not be liable for any loss or damage regardless of cause, including any act or omission of Halliburton resulting from the use hereof. This report is the property of Halliburton Energy Services and neither it nor any part thereof nor a copy thereof is to be published or disclosed without first securing express written approval of laboratory management, it may, however, be used in the course of regular business operations by any person or concern and the employees thereof receiving such report from Halliburton.



April 14, 2015

Artesia Daily Press
P. O. Box 190
Artesia, NM 88211-0190

Re: Legal Notice
Salt Water Disposal Well
MAN 32 State SWD #1

To Whom It May Concern:

Enclosed is a legal notice regarding New Mexico Oil Conservation Division C-108
Application for Authorization to Inject for a salt water disposal well.

Please run this notice and return the proof of notice to the undersigned at:

COG Operating LLC, 2208 W. Main St., Artesia, NM 88210

Sincerely,

A handwritten signature in black ink, appearing to read "Brian Collins".

Brian Collins
Operations Engineering Advisor

BC/sw
Enclosures

ARTESIA DAILY PRESS
LEGAL NOTICES

COG Operating LLC, 2208 W. Main Street, Artesia, NM 88210 has filed Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for a salt water disposal well. The proposed well, the MAN 32 State SWD No. 1 is located 660' FSL & 1980' FWL, Section 32, Township 18 South, Range 28 East, Eddy County, New Mexico. Disposal water will be sourced from area wells producing from the Bone Spring and Wolfcamp formations. The disposal water will be injected into the Cisco/Canyon formation at a depth of 8840' to 9154' at a maximum surface pressure of 1768 psi and a maximum rate of 20,000 BWPD. The proposed SWD well is located approximately 19 miles north of Carlsbad. Any interested party who has an objection to this must give notice in writing to the Oil Conservation Division, 1220 S. St. Francis Drive, Santa Fe, New Mexico 87505, within fifteen (15) days of this notice. Any interested party with questions or comments may contact Brian Collins at COG Operating LLC, 2208 W. Main Street, Artesia, NM 88210, or call 575-748-6940.

Published in the Artesia Daily Press, Artesia, New Mexico
_____, 2015.



April 14, 2015

New Mexico State Land Office
310 Old Santa Fe Trail,
Santa Fe, NM 87501

RE: Application For Authorization To Inject
MAN 32 State SWD #1
Township 18 South, Range 28 East, N.M.P.M.
Section 32: 660' FSL & 1980' FWL
Eddy County, New Mexico

To Whom It May Concern:

Enclosed for your review is a copy of COG Operating LLC's C-108 Application to Inject for the above referenced well. We plan to reenter this well for SWD service if our C-108 is approved. As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as an operator or surface owner. Any objections must be submitted in writing to NMOCD, 1220 S. St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within fifteen (15) days of receipt of this letter.

This well will not be a commercial SWD well. Please do not hesitate to contact us at 575-748-6940 should you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Brian Collins".

Brian Collins
Operations Engineering Advisor

BC/bg
Enclosures



April 14, 2015

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

RE: Application For Authorization To Inject
MAN 32 State SWD #1
Township 18 South, Range 28 East, N.M.P.M.
Section 32: 660' FSL & 1980' FWL
Eddy County, New Mexico

Dear Mr. Goetze:

COG Operating LLC respectfully requests administrative approval for authorization to inject for the referenced well. Attached, for your review, is a copy of the C-108 application. Once we receive the newspaper publication and all certified return receipts, I will send you a copy. We're proposing to reenter this well bore and make it into a Cisco/Canyon SWD well from 8840' to 9154'.

Please do not hesitate to contact me at (575) 748-6940 should you have any questions.

Sincerely,

A handwritten signature in cursive script, appearing to read "Brian Collins".

Brian Collins
Operations Engineering Advisor

BC/sw
Enclosures



April 14, 2015

Oil Conservation Division
Attn: Richard Inge
811 South 1st St.
Artesia, NM 88210

RE: Application For Authorization To Inject
MAN 32 State SWD #1
Township 18 South, Range 28 East, N.M.P.M.
Section 32: 660' FSL & 1980' FWL
Eddy County, New Mexico

Dear Mr. Inge:

COG Operating LLC respectfully requests administrative approval for authorization to inject for the referenced well. Attached, for your review, is a copy of the C-108 application. We're proposing to reenter this well bore and make it into a Cisco/Canyon SWD well from 8840' to 9154'.

Please do not hesitate to contact me at (575) 748-6940 should you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Brian Collins".

Brian Collins
Operations Engineering Advisor

BC/sw
Enclosures



April 14, 2015

Slash Exploration LP
P.O.Box 1973
Roswell, NM 88201-1973

RE: Application For Authorization To Inject
MAN 32 State SWD #1
Township 18 South, Range 28 East, N.M.P.M.
Section 32: 660' FSL & 1980' FWL
Eddy County, New Mexico

To Whom It May Concern:

Enclosed for your review is a copy of COG Operating LLC's C-108 Application to Inject for the above referenced well. We plan to reenter this well for SWD service if our C-108 is approved. As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as the surface owner or an operator within a half mile radius area of review. Any objections must be submitted in writing to NMOCD, 1220 S. St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within fifteen (15) days of receipt of this letter.

Please do not hesitate to contact us at 575-748-6940 should you have any questions.

Sincerely,

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Brian Collins
Operations Engineering Advisor

BC/sw
Enclosures



April 14, 2015

McCombs Energy, LLC
5599 San Felipe, STE.1200
Houston, TX 77056

RE: Application For Authorization To Inject
MAN 32 State SWD #1
Township 18 South, Range 28 East, N.M.P.M.
Section 32: 660' FSL & 1980' FWL
Eddy County, New Mexico

To Whom It May Concern:

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Please do not hesitate to contact us at 575-748-6940 should you have any questions.

Sincerely,

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Brian Collins
Operations Engineering Advisor

BC/sw
Enclosures



April 14, 2015

Capstone Oil & Gas Company, LP
P.O.Box 10187
Midland, TX 79702

RE: Application For Authorization To Inject
MAN 32 State SWD #1
Township 18 South, Range 28 East, N.M.P.M.
Section 32: 660' FSL & 1980' FWL
Eddy County, New Mexico

To Whom It May Concern:

Enclosed for your review is a copy of COG Operating LLC's C-108 Application to Inject for the above referenced well. We plan to reenter this well for SWD service if our C-108 is approved. As a requirement of the New Mexico Oil Conservation Division, we are notifying you because you have been identified as the surface owner or an operator within a half mile radius area of review. Any objections must be submitted in writing to NMOCD, 1220 S. St. Francis Drive, Santa Fe, New Mexico 87505. Objections must be received within fifteen (15) days of receipt of this letter.

Please do not hesitate to contact us at 575-748-6940 should you have any questions.

Sincerely,

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Brian Collins
Operations Engineering Advisor

BC/sw
Enclosures



April 14, 2015

Elysium Enterprises, LP
1701 River Run Rd., STE 800
FT. Worth, TX 76107

RE: Application For Authorization To Inject
MAN 32 State SWD #1
Township 18 South, Range 28 East, N.M.P.M.
Section 32: 660' FSL & 1980' FWL
Eddy County, New Mexico

To Whom It May Concern:

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Please do not hesitate to contact us at 575-748-6940 should you have any questions.

Sincerely,

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Brian Collins
Operations Engineering Advisor

BC/sw
Enclosures



April 14, 2015

CMW Interests, Inc.
4929 Rustic Trail
Midland, TX 79707

RE: Application For Authorization To Inject
MAN 32 State SWD #1
Township 18 South, Range 28 East, N.M.P.M.
Section 32: 660' FSL & 1980' FWL
Eddy County, New Mexico

To Whom It May Concern:

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Please do not hesitate to contact us at 575-748-6940 should you have any questions.

Sincerely,

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Brian Collins
Operations Engineering Advisor

BC/sw
Enclosures



April 14, 2015

Elger Exploration, Inc.
P.O.Box 2623
Midland, TX 79702

RE: Application For Authorization To Inject
MAN 32 State SWD #1
Township 18 South, Range 28 East, N.M.P.M.
Section 32: 660' FSL & 1980' FWL
Eddy County, New Mexico

To Whom It May Concern:

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Please do not hesitate to contact us at 575-748-6940 should you have any questions.

Sincerely,

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Brian Collins
Operations Engineering Advisor

BC/sw
Enclosures



April 14, 2015

Khody Land & Minerals Company
3817 NW Expressway, STE. 950
Oklahoma City, OK 73112

RE: Application For Authorization To Inject
MAN 32 State SWD #1
Township 18 South, Range 28 East, N.M.P.M.
Section 32: 660' FSL & 1980' FWL
Eddy County, New Mexico

To Whom It May Concern:

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Please do not hesitate to contact us at 575-748-6940 should you have any questions.

Sincerely,

A handwritten signature in cursive script, appearing to read "Brian Collins".

Brian Collins
Operations Engineering Advisor

BC/sw
Enclosures



April 14, 2015

Keystone Petroleum NM, LLC
222 W Las Colinas BLVD. STE. 1570E
Irving, TX 75039

RE: Application For Authorization To Inject
MAN 32 State SWD #1
Township 18 South, Range 28 East, N.M.P.M.
Section 32: 660' FSL & 1980' FWL
Eddy County, New Mexico

To Whom It May Concern:

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Please do not hesitate to contact us at 575-748-6940 should you have any questions.

Sincerely,

A handwritten signature in cursive script, appearing to read "Brian Collins".

Brian Collins
Operations Engineering Advisor

BC/sw
Enclosures



April 14, 2015

ZPZ Delaware I, LLC
303 Veterans Airpark Lane, Suite 3000
Midland, TX 79705

RE: Application For Authorization To Inject
MAN 32 State SWD #1
Township 18 South, Range 28 East, N.M.P.M.
Section 32: 660' FSL & 1980' FWL
Eddy County, New Mexico

To Whom It May Concern:

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Sincerely,

A handwritten signature in cursive script, appearing to read "Brian Collins".

Brian Collins
Operations Engineering Advisor

BC/sw
Enclosures



April 14, 2015

Yates Petroleum Corporation
105 S. 4th St.
Artesia, NM 88210

RE: Application For Authorization To Inject
MAN 32 State SWD #1
Township 18 South, Range 28 East, N.M.P.M.
Section 32: 660' FSL & 1980' FWL
Eddy County, New Mexico

To Whom It May Concern:

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Please do not hesitate to contact us at 575-748-6940 should you have any questions.

Sincerely,

A handwritten signature in cursive script, appearing to read "Brian Collins".

Brian Collins
Operations Engineering Advisor

BC/sw
Enclosures



April 14, 2015

Marathon Oil Company
P.O.Box 552
Midland, TX 79702

RE: Application For Authorization To Inject
MAN 32 State SWD #1
Township 18 South, Range 28 East, N.M.P.M.
Section 32: 660' FSL & 1980' FWL
Eddy County, New Mexico

To Whom It May Concern:

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Sincerely,

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Brian Collins
Operations Engineering Advisor

BC/sw
Enclosures



April 14, 2015

PGP Holdings I, LLC
104 Town Park Drive
Kennesaw, GA 30144

RE: Application For Authorization To Inject
MAN 32 State SWD #1
Township 18 South, Range 28 East, N.M.P.M.
Section 32: 660' FSL & 1980' FWL
Eddy County, New Mexico

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Please do not hesitate to contact us at 575-748-6940 should you have any questions.

Sincerely,

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Brian Collins
Operations Engineering Advisor

BC/sw
Enclosures



April 14, 2015

LRE Operating, LLC
1111 Bagby, STE 4600
Houston, TX 77002

RE: Application For Authorization To Inject
MAN 32 State SWD #1
Township 18 South, Range 28 East, N.M.P.M.
Section 32: 660' FSL & 1980' FWL
Eddy County, New Mexico

To Whom It May Concern:

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Please do not hesitate to contact us at 575-748-6940 should you have any questions.

Sincerely,

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Brian Collins
Operations Engineering Advisor

BC/sw
Enclosures



April 14, 2015

Artesia Daily Press
P. O. Box 190
Artesia, NM 88211-0190

Re: Legal Notice
Salt Water Disposal Well
MAN 32 State SWD #1

To Whom It May Concern:

Enclosed is a legal notice regarding New Mexico Oil Conservation Division C-108
Application for Authorization to Inject for a salt water disposal well.

Please run this notice and return the proof of notice to the undersigned at:

COG Operating LLC, 2208 W. Main St., Artesia, NM 88210

Sincerely,

A handwritten signature in cursive script, appearing to read "Brian Collins".

Brian Collins
Operations Engineering Advisor

BC/sw
Enclosures

ARTESIA DAILY PRESS
LEGAL NOTICES

COG Operating LLC, 2208 W. Main Street, Artesia, NM 88210 has filed Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for a salt water disposal well. The proposed well, the MAN 32 State SWD No. 1 is located 660' FSL & 1980' FWL, Section 32, Township 18 South, Range 28 East, Eddy County, New Mexico. Disposal water will be sourced from area wells producing from the Bone Spring and Wolfcamp formations. The disposal water will be injected into the Cisco/Canyon formation at a depth of 8840' to 9154' at a maximum surface pressure of 1768 psi and a maximum rate of 20,000 BWPd. The proposed SWD well is located approximately 19 miles north of Carlsbad. Any interested party who has an objection to this must give notice in writing to the Oil Conservation Division, 1220 S. St. Francis Drive, Santa Fe, New Mexico 87505, within fifteen (15) days of this notice. Any interested party with questions or comments may contact Brian Collins at COG Operating LLC, 2208 W. Main Street, Artesia, NM 88210, or call 575-748-6940.

Published in the Artesia Daily Press, Artesia, New Mexico
_____, 2015.

Affidavit of Publication

No. 23442

State of New Mexico

County of Eddy:

Danny Scott

being duly sworn, says that he is the

Publisher

of the Artesia Daily Press, a daily newspaper of General circulation, published in English at Artesia, said county and state, and that the hereto attached

Legal Notice

was published in a regular and entire issue of the said Artesia Daily Press, a daily newspaper duly qualified for that purpose within the meaning of Chapter 167 of the 1937 Session Laws of the state of New Mexico for

1 Consecutive weeks/day on the same

day as follows:

First Publication April 21, 2015

Second Publication

Third Publication

Fourth Publication

Fifth Publication

Sixth Publication

Subscribed and sworn before me this

21st day of April 2015



OFFICIAL SEAL
Latisha Romine
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 5/12/2015

Latisha Romine

Latisha Romine

Notary Public, Eddy County, New Mexico

Copy of Publication:

LEGAL NOTICE

COG Operating LLC, 2208 W. Main Street, Artesia, NM 88210 has filed Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for a well water disposal well. The proposed well, the WASH 32 State SWD No. 1 is located 8807 FSL & 19807 FNL, Section 32, Township 18 South, Range 28 East, Eddy County, New Mexico. Disposal water will be sourced from area wells producing from the Santa Spring and Wolf camp formations. The disposal water will be injected into the Ocho Canyon formation at a depth of 8840' to 9154' at a maximum surface pressure of 1788 psi and a maximum rate of 20,000 BWPD. The proposed SWD well is located approximately 18 miles north of Carlsbad. Any interested party who has an objection to this must give notice in writing to the Oil Conservation Division, 1220 S. St. Francis Drive, Santa Fe, New Mexico 87505, within fifteen (15) days of this notice. Any interested party with questions or comments may contact Brian Collins at COG Operating LLC, 2208 W. Main Street, Artesia, NM 88210, or call 575-748-0940.

Published in the Artesia Daily Press, Artesia, N.M., April 21, 2015 Legal No. 23442

| SENDER: COMPLETE THIS SECTION | COMPLETE THIS SECTION ON DELIVERY |
|--|--|
| <p>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p> <p>1. Article Addressed to:</p> <p style="text-align: center;"><i>New Mexico State Land Office</i> 310 Old Santa Fe Trail, Santa Fe, NM 87501 Alan 32 State SIVD #1 241</p> | <p>A. Signature X <i>[Signature]</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>[Signature]</i></p> <p>C. Date of Delivery APR 19 2013</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> |
| <p>2. Article Number (Transfer from service label) 7013 3020 0000 8749 2383</p> <p>PS Form 3811, July 2013 Domestic Return Receipt</p> | <p>3. Service Type <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p> |

| SENDER: COMPLETE THIS SECTION | COMPLETE THIS SECTION ON DELIVERY |
|---|--|
| <p>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p> <p>1. Article Addressed to:</p> <p style="text-align: center;"><i>New Mexico Oil Conservation Division</i> Attn: Phillip Goetze 1220 South St. Francis Drive Santa Fe, NM 87505 Alan 32 State SIVD #1 241</p> | <p>A. Signature X <i>[Signature]</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>[Signature]</i></p> <p>C. Date of Delivery APR 20 2013</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> |
| <p>2. Article Number (Transfer from service label) 7013 3020 0000 8749 2390</p> <p>PS Form 3811, July 2013 Domestic Return Receipt</p> | <p>3. Service Type <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p> |

| SENDER: COMPLETE THIS SECTION | COMPLETE THIS SECTION ON DELIVERY |
|---|--|
| <p>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p> <p>1. Article Addressed to:</p> <p style="text-align: center;"><i>Attn: Richard Inge</i> 811 South 1st St. Artesia, NM 88210 Alan 32 State SIVD #1 241</p> | <p>A. Signature X <i>[Signature]</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>[Signature]</i></p> <p>C. Date of Delivery APR 20 2013</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> |
| <p>2. Article Number (Transfer from service label) 7013 3020 0000 8749 2406</p> <p>PS Form 3811, July 2013 Domestic Return Receipt</p> | <p>3. Service Type <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p> |

| SENDER: COMPLETE THIS SECTION | COMPLETE THIS SECTION ON DELIVERY |
|--|--|
| <p>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p> <p>1. Article Addressed to:</p> <p style="text-align: center;"><i>Slash Exploration LP</i> P.O. Box 1973 Roswell, NM 88201-1973 Alan 32 State SIVD #1 241</p> | <p>A. Signature X <i>[Signature]</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>[Signature]</i></p> <p>C. Date of Delivery APR 20 2013</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> |
| <p>2. Article Number (Transfer from service label) 7013 3020 0000 8749 2253</p> <p>PS Form 3811, July 2013 Domestic Return Receipt</p> | <p>3. Service Type <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p> |

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

McCombs Energy, LLC
5599 San Felipe, STE. 1200
Houston, TX 77056
Attn: 32 State St/D #1 M1'

2. Article Number

(Transfer from service label)

7013 3020 0000 8749 2260

PS Form 3811, July 2013

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Bill Forney*

☒ Agent
☐ Addressee

B. Received by (Printed Name)

BILL FORNEY

C. Date of Delivery

4/23/13

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

3. Service Type

☐ Certified Mail® ☐ Priority Mail Express®
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ Collect on Delivery

4. Restricted Delivery? (Extra Fee)

☐ Yes

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Capstone Oil & Gas Company, LP
P.O. Box 10187
Midland, TX 79702
Attn: 32 State St/D #1 M1'

2. Article Number

(Transfer from service label)

7013 3020 0000 8749 2277

PS Form 3811, July 2013

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X *Chad G. A.*

☒ Agent
☐ Addressee

B. Received by (Printed Name)

CHAD G. A.

C. Date of Delivery

4/23/13

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

3. Service Type

☐ Certified Mail® ☐ Priority Mail Express®
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ Collect on Delivery

4. Restricted Delivery? (Extra Fee)

☐ Yes

U.S. Postal Service®
CE System Enterprises, LP
1701 River Run Rd., STE. 800
Ft. Worth, TX 76107

PS Form 3811, July 2013

Domestic Return Receipt

7013 3020 0000 8749 2260

SENDER: COMPLETE THIS SECTION

1. Article Addressed to:

McCombs Energy, LLC
5599 San Felipe, STE. 1200
Houston, TX 77056
Attn: 32 State St/D #1 M1'

2. Article Number
(Transfer from service label)

7013 3020 0000 8749 2260

PS Form 3811, July 2013

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X *Bill Forney*

B. Received by (Printed Name)
BILL FORNEY

C. Date of Delivery
4/23/13

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

3. Service Type
☐ Certified Mail® ☐ Priority Mail Express®
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ Collect on Delivery

4. Restricted Delivery? (Extra Fee) ☐ Yes

CONCHO

2016 West Main Street
Arlene, New Mexico 88210

761072008-1N

04/23/13

PS Form 3811, July 2013

Domestic Return Receipt

7013 3020 0000 8749 2277

SENDER: COMPLETE THIS SECTION

1. Article Addressed to:

Capstone Oil & Gas Company, LP
P.O. Box 10187
Midland, TX 79702
Attn: 32 State St/D #1 M1'

2. Article Number
(Transfer from service label)

7013 3020 0000 8749 2277

PS Form 3811, July 2013

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X *Chad G. A.*

B. Received by (Printed Name)
CHAD G. A.

C. Date of Delivery
4/23/13

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

3. Service Type
☐ Certified Mail® ☐ Priority Mail Express®
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ Collect on Delivery

4. Restricted Delivery? (Extra Fee) ☐ Yes

| SENDER: COMPLETE THIS SECTION | | COMPLETE THIS SECTION ON DELIVERY | |
|---|--|---|--|
| <p>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p> | | <p>A. Signature <u>X. C. Mullen</u> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> | |
| <p>1. Article Addressed to:</p> <p>CMW Interests, Inc. 4929 Rustic Trail Midland, TX 79707 <i>Man 32 State STD #1 341</i></p> | | <p>B. Received by (Printed Name) <u>C. Mullen</u> C. Date of Delivery <u>4-22-15</u></p> | |
| <p>2. Article Number (Transfer from service label) <u>7013 3020 0000 8749 2291</u></p> | | <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, enter delivery address below:</p> | |
| PS Form 3811, July 2013 | | Domestic Return Receipt | |
| <p>3. Service Type</p> <p><input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p> | | <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes <input type="checkbox"/> No</p> | |

| SENDER: COMPLETE THIS SECTION | | COMPLETE THIS SECTION ON DELIVERY | |
|---|--|---|--|
| <p>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p> | | <p>A. Signature <u>X. Elger</u> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> | |
| <p>1. Article Addressed to:</p> <p>Elger Exploration, Inc. P.O. Box 2623 Midland, TX 79702 <i>Man 32 State STD #1 341</i></p> | | <p>B. Received by (Printed Name) <u>John Elger</u> C. Date of Delivery <u>5-12-15</u></p> | |
| <p>2. Article Number (Transfer from service label) <u>7013 3020 0000 8749 2307</u></p> | | <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, enter delivery address below:</p> | |
| PS Form 3811, July 2013 | | Domestic Return Receipt | |
| <p>3. Service Type</p> <p><input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p> | | <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes <input type="checkbox"/> No</p> | |

| SENDER: COMPLETE THIS SECTION | | COMPLETE THIS SECTION ON DELIVERY | |
|---|--|---|--|
| <p>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p> | | <p>A. Signature <u>X. Mullan</u> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> | |
| <p>1. Article Addressed to:</p> <p>Khody Land & Minerals Company 210 Park Ave Ste 900 Oklahoma City, Ok 73102-5643 Man 32 State SWD #1 mv</p> | | <p>B. Received by (Printed Name) <u>John Mullan</u> C. Date of Delivery <u>4-30-15</u></p> | |
| <p>2. Article Number (Transfer from service label) <u>7013 3020 0000 8748 9994</u></p> | | <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, enter delivery address below:</p> | |
| PS Form 3811, July 2013 | | Domestic Return Receipt | |
| <p>3. Service Type</p> <p><input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p> | | <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes <input type="checkbox"/> No</p> | |

| SENDER: COMPLETE THIS SECTION | | COMPLETE THIS SECTION ON DELIVERY | |
|---|--|---|--|
| <p>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p> | | <p>A. Signature <u>X. Betty Eje</u> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> | |
| <p>1. Article Addressed to:</p> <p>Keystone Petroleum NM, LLC 222 W Las Colinas BLVD. STE. 1570E Irving, TX 75039 <i>Man 32 State STD #1 341</i></p> | | <p>B. Received by (Printed Name) <u>Betty Eje</u> C. Date of Delivery <u>4-30-15</u></p> | |
| <p>2. Article Number (Transfer from service label) <u>7013 3020 0000 8749 2321</u></p> | | <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, enter delivery address below:</p> | |
| PS Form 3811, July 2013 | | Domestic Return Receipt | |
| <p>3. Service Type</p> <p><input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery</p> | | <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes <input type="checkbox"/> No</p> | |

| SENDER: COMPLETE THIS SECTION | | COMPLETE THIS SECTION ON DELIVERY | |
|---|--|--|--|
| <p>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p> | | <p>A. Signature X <i>[Signature]</i> <input type="checkbox"/> Agent <input type="checkbox"/> Address</p> <p>B. Received by (Printed Name) <i>[Signature]</i></p> <p>C. Date of Delivery 4-20-15</p> | |
| <p>1. Article Addressed to:</p> <p>ZPZ Delaware I, LLC 303 Veterans Airpark Lane, Suite 3000 Midland, TX 79705 Man 32 State SHD #1 9M V</p> | | <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> | |
| <p>2. Article Number (Transfer from service label) 7013 3020 0000 8749 2338</p> | | <p>3. Service Type <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™ <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery </p> | |
| <p>PS Form 3811, July 2013 Domestic Return Receipt</p> | | <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p> | |

| SENDER: COMPLETE THIS SECTION | | COMPLETE THIS SECTION ON DELIVERY | |
|---|--|--|--|
| <p>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p> | | <p>A. Signature X <i>[Signature]</i> <input type="checkbox"/> Agent <input type="checkbox"/> Address</p> <p>B. Received by (Printed Name) <i>[Signature]</i></p> <p>C. Date of Delivery 4-20-15</p> | |
| <p>1. Article Addressed to:</p> <p>Yates Petroleum Corporation 105 S. 4th St. Artesia, NM 88210 Man 32 State SHD #1 9M V</p> | | <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> | |
| <p>2. Article Number (Transfer from service label) 7013 3020 0000 8749 2345</p> | | <p>3. Service Type <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™ <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery </p> | |
| <p>PS Form 3811, July 2013 Domestic Return Receipt</p> | | <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p> | |

| SENDER: COMPLETE THIS SECTION | | COMPLETE THIS SECTION ON DELIVERY | |
|---|--|--|--|
| <p>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</p> <p>Print your name and address on the reverse so that we can return the card to you.</p> <p>Attach this card to the back of the mailpiece, or on the front if space permits.</p> | | <p>A. Signature X <i>[Signature]</i> <input type="checkbox"/> Agent <input type="checkbox"/> Address</p> <p>B. Received by (Printed Name) <i>[Signature]</i></p> <p>C. Date of Delivery 4-20-15</p> | |
| <p>1. Article Addressed to:</p> <p>PGP Holdings 1, LLC 104 Town Park Drive Kennesaw, GA 30144 Man 32 State SHD #1 9M V</p> | | <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> | |
| <p>2. Article Number (Transfer from service label) 7013 3020 0000 8749 2349</p> | | <p>3. Service Type <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™ <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery </p> | |
| <p>PS Form 3811, July 2013 Domestic Return Receipt</p> | | <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p> | |

| SENDER: COMPLETE THIS SECTION | | COMPLETE THIS SECTION ON DELIVERY | |
|---|--|--|--|
| <p>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</p> <p>■ Print your name and address on the reverse so that we can return the card to you.</p> <p>■ Attach this card to the back of the mailpiece, or on the front if space permits.</p> | | <p>A. Signature X <i>[Signature]</i> <input type="checkbox"/> Agent <input type="checkbox"/> Address</p> <p>B. Received by (Printed Name) <i>[Signature]</i></p> <p>C. Date of Delivery 4-20-15</p> | |
| <p>1. Article Addressed to:</p> <p>LRE Operating, LLC 1111 Bagby, STE 4600 Houston, TX 77002 Man 32 State SHD #1 9M V</p> | | <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> | |
| <p>2. Article Number (Transfer from service label) 7013 3020 0000 8749 2376</p> | | <p>3. Service Type <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express™ <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> Collect on Delivery </p> | |
| <p>PS Form 3811, July 2013 Domestic Return Receipt</p> | | <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p> | |

U.S. Postal ServiceTM
CERTIFIED MAIL[®] RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)
For delivery information visit our website at www.usps.com

OFFICIAL USE

Postage \$

Marathon Oil Company
P.O. Box 552
Midland, TX 79702

R
Basic
First
Other
Total

Item 10

Weight 2.00 lbs.
or PO Box No.
City, State, ZIP+4

PS Form 3800, August 2005 See Reverse for Instructions

7010 3020 0000 8799 2325



C-108 Review Checklist: Received 4/20 Add. Request: 5/18 Reply Date: _____ Suspended: _____ [Ver 13]

PERMIT TYPE: WFX / PMX / SWD Number: _____ Permit Date: _____ Legacy Permits/Orders: _____

Well No. 1 Well Name(s): MAN 32 STATE SWD

API: 30-0 15-22156 Spud Date: 6/2/77 New or Old: OLD (UIC Class II Primacy 03/07/1982)

Footages 160 FSL 660 FSL Lot _____ or Unit N Sec 32 Tsp 18S Rge 28E County EDDY

General Location: 15 SE 1 ATOK 9 Pool: SWD, CISCO CANYON Pool No.: 76186

BLM 100K Map: Antesio Operator: COG OPERATING, LLC OGRID: 224137 Contact: BRIAN COLLINS

COMPLIANCE RULE 5.9: Total Wells: 3811 Inactive: 1 Fincl Assur: Y Compl. Order? MA IS 5.9 OK? Y Date: 5-19-2015

WELL FILE REVIEWED ☒ Current Status: P&A

WELL DIAGRAMS: NEW: Proposed ☐ or RE-ENTER: Before Conv. ☐ After Conv. ☒ Logs in Imaging: C-W-D-L, DLL

Planned Rehab Work to Well: Drilling out plugs to 10226 * CBL top 7" / bottom 9 5/8
Set plug 629400. Set cement w/ 2200CF to 9200.

| Well Construction Details: | | Sizes (in) | Setting | Cement | Cement Top and |
|--|--|------------------------|-------------|-----------------------|-------------------------|
| | | Borehole / Pipe | Depths (ft) | Sx or Cf | Determination Method |
| Planned ___ or Existing ___ Surface | | <u>17 1/2 / 13 3/8</u> | <u>402</u> | <u>450</u> | <u>SURFACE / VISUAL</u> |
| Planned ___ or Existing ___ Interm/Prod | | <u>12 1/4 / 9 5/8</u> | <u>2492</u> | <u>125</u> | <u>SURFACE / VISUAL</u> |
| Planned ___ or Existing ___ Interm/Prod | | | | | |
| Planned ___ or Existing ___ Prod/Liner | | <u>8 3/4 / 7 1/2</u> | <u>9300</u> | <u>2220 / CF</u> | <u>design</u> |
| Planned ___ or Existing ___ Liner | | | | | |
| Planned ___ or Existing ___ OH / <u>PERF</u> | | <u>9840-9154</u> | | <u>Inj Length 314</u> | |

| Injection Stratigraphic Units: | | Depths (ft) | Injection or Confining Units | Tops |
|---|--|-------------|------------------------------|-------------|
| Adjacent Unit: Litho. Struc. <u>(POR)</u> | | | <u>CN</u> | <u>8840</u> |
| Confining Unit: Litho. Struc. Por. | | | <u>STR</u> | <u>9520</u> |
| Proposed Inj Interval TOP: | | | | |
| Proposed Inj Interval BOTTOM: | | | | |
| Confining Unit: Litho. Struc. Por. | | | | |
| Adjacent Unit: Litho. Struc. Por. | | | | |

| Completion/Operation Details: | |
|---|------------------------|
| Drilled TD <u>10917</u> | PBTD _____ |
| NEW TD <u>9400</u> | NEW PBTD <u>9200</u> |
| NEW Open Hole <input type="checkbox"/> or NEW Perfs <input checked="" type="checkbox"/> | |
| Tubing Size _____ in. | Inter Coated? <u>Y</u> |
| Proposed Packer Depth <u>8800</u> ft | |
| Min. Packer Depth <u>8740</u> (100-ft limit) | |
| Proposed Max. Surface Press. <u>1768</u> psi | |
| Admin. Inj. Press. <u>1768</u> (0.2 psi per ft) | |

AOR: Hydrologic and Geologic Information

POTASH: R-111-P ☐ Noticed? _____ BLM Sec Ord ☐ WIPP ☐ Noticed? _____ SALT/SALADO T: _____ B: _____ CLIFF HOUSE

FRESH WATER: Aquifer TRIASSIC Max Depth 2500' HYDRO AFFIRM STATEMENT By Qualified Person ☒

NMOSE Basin: CAPITAN CAPITAN REEF: thru ☐ adj ☐ NA ☒ No. Wells within 1-Mile Radius? 1 FW Analysis ☒

Disposal Fluid: Formation Source(s) BOWEN SPRINGS Analysis? Y On Lease ☐ Operator Only ☒ or Commercial ☐

Disposal Int: Inject Rate (Avg/Max BWPD): 5,000 / 20,000 Protectable Waters? N Source: _____ System: Closed ☐ or Open ☐

HC Potential: Producing Interval? _____ Formerly Producing? N Method: Log ☒ DST ☐ P&A/Other _____ 2-Mile Radius Pool Map ☐

AOR Wells: 1/2-M Radius Map? MA Well List? MA Total No. Wells Penetrating Interval: 1 Horizontals? 0

Penetrating Wells: No. Active Wells MA Num Repairs? _____ on which well(s)? _____ Diagrams? _____

Penetrating Wells: No. P&A Wells MA Num Repairs? _____ on which well(s)? Proposed well Diagrams? _____

NOTICE: Newspaper Date 4-21 Mineral Owner NMSLO Surface Owner NMSLO N. Date 4-10

RULE 26.7(A): Identified Tracts? Y Affected Persons: YATES Pet, ZPZ D/C/none, LHE N. Date 4-21/4-30

Permit Conditions: Issues: _____

Add Permit Cond: _____