

| | | | | | |
|--------------------|----------------------|-----------------|-----------|---------------------|----------------------|
| DATE IN 11/9/12 | SUSPENSE 11/25/12 | ENGINEER WJS | LOGGED IN | TYPE SWD 1368 | APP NO. 233775575 |
|--------------------|----------------------|-----------------|-----------|---------------------|----------------------|

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☒ Offset Operators, Leaseholders or Surface Owner

[C] ☒ Application is One Which Requires Published Legal Notice

[D] ☒ Notification and/or Concurrent Approval by BLM or SLO
 U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Ben Stone

 Print or Type Name

 Signature

Agent for Ray Westall

 Title
 ben@sosconsulting.us

 e-mail Address

11/05/12

 Date

Ray Westall Operating INC
EMPIRE "A" FAL GM #2
27/185/29E/EDDY
 RECEIVED OGD
 30-05-29618
 8788-9950
 (WC + Canyon)



SOS Consulting, LLC

November 6, 2012

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Attn: Ms. Jami Bailey, Director

*Re: Application of Ray Westall Operating, Inc. to permit for salt water disposal
in its Empire 'A' Federal Com No.2 well located in Section 27, Township 18
South, Range 29 East, NMPM, Eddy County, New Mexico.*

Dear Ms. Bailey,

Please find enclosed form C-108 Application for Authority to Inject, supporting the above-referenced request to covert for disposal, the Empire 'A' Federal Com No.2.

Ray Westall Operating seeks to optimize efficiency, both economically and operationally, of its operations. Approval of this application is consistent with that goal as well as the NMOCD's mission of preventing waste and protection of correlative rights.

Published legal notice ran in the August 30, 2012 edition of the Artesia Daily Press and all offset operators and other interested parties have been notified individually. The legal notice affidavit is included in this application package. This application also includes wellbore schematics, area of review maps, leaseholder plats and other required information for a complete Form C-108. The well is located on federal lands and a copy of this application has been submitted to the Bureau of Land Management along with their Form 3160-5 Sundry Notice for approval.

I respectfully request that the approval of this salt water disposal well proceed swiftly and if you or your staff requires additional information or has any questions, please do not hesitate to call or email me.

Best regards,

Ben Stone, Partner
SOS Consulting, LLC
Agent for Ray Westall Operating, Inc.

Cc: Application attachment and file

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: ***Salt Water Disposal*** and the application ***qualifies*** for administrative approval.
- II. OPERATOR: ***Ray Westall Operating, Inc.***
ADDRESS: ***P.O. 4, Loco Hills, NM 88255***

CONTACT PARTY: ***Donnie Mathews (575) 677-2372***
Agent: SOS Consulting, LLC – Ben Stone (903) 488-9850
- III. WELL DATA: ***All well data and applicable wellbore diagrams are attached hereto.***
- IV. ***This is not an expansion of an existing project.***
- V. ***A map is attached*** 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. ***A tabulation is attached*** of data on all wells of public record within the area of review which penetrate the proposed injection zone. ***(2 wells in the AOR - 1 P&A which does not penetrate zone & 1 active which does.) The data includes*** a description of each well's type, construction, date drilled, location, depth, and a schematic of any plugged well illustrating all plugging detail.
- VII. ***The following data is attached*** 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. ***Appropriate geologic data on the injection zone is attached*** 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. ***No stimulation program is proposed at this time.***
- *X. ***There is no applicable logging and test data on the well however, any previous well logs have been filed with the Division and they need not be resubmitted.***
- *XI. ***There is one water well within one mile the proposed salt water disposal well. It is an industrial supply well.***
- XII. ***An affirmative statement is attached that available geologic and engineering data has been examined and 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" section on the next page of this form has been completed. Unable to reliably determine all current operators and lessees so it was determined to notice ALL parties listed for all leases intersected by the AOR. Considering that there are only 2 wells offsetting, there is a high level of confidence that all notice requirements have been met. A total of 71 individuals and/or companies were notified via U.S. certified mail..***
- 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: ***Ben Stone*** TITLE: ***SOS Consulting, LLC agent / consultant for Ray Westall Operating, Inc.***

SIGNATURE:  DATE: ***11/06/2012***

E-MAIL ADDRESS: ***ben@sosconsulting.us***

- * 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 – *The following information and data is included:*

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 *pursuant to the following criteria is attached.*

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:

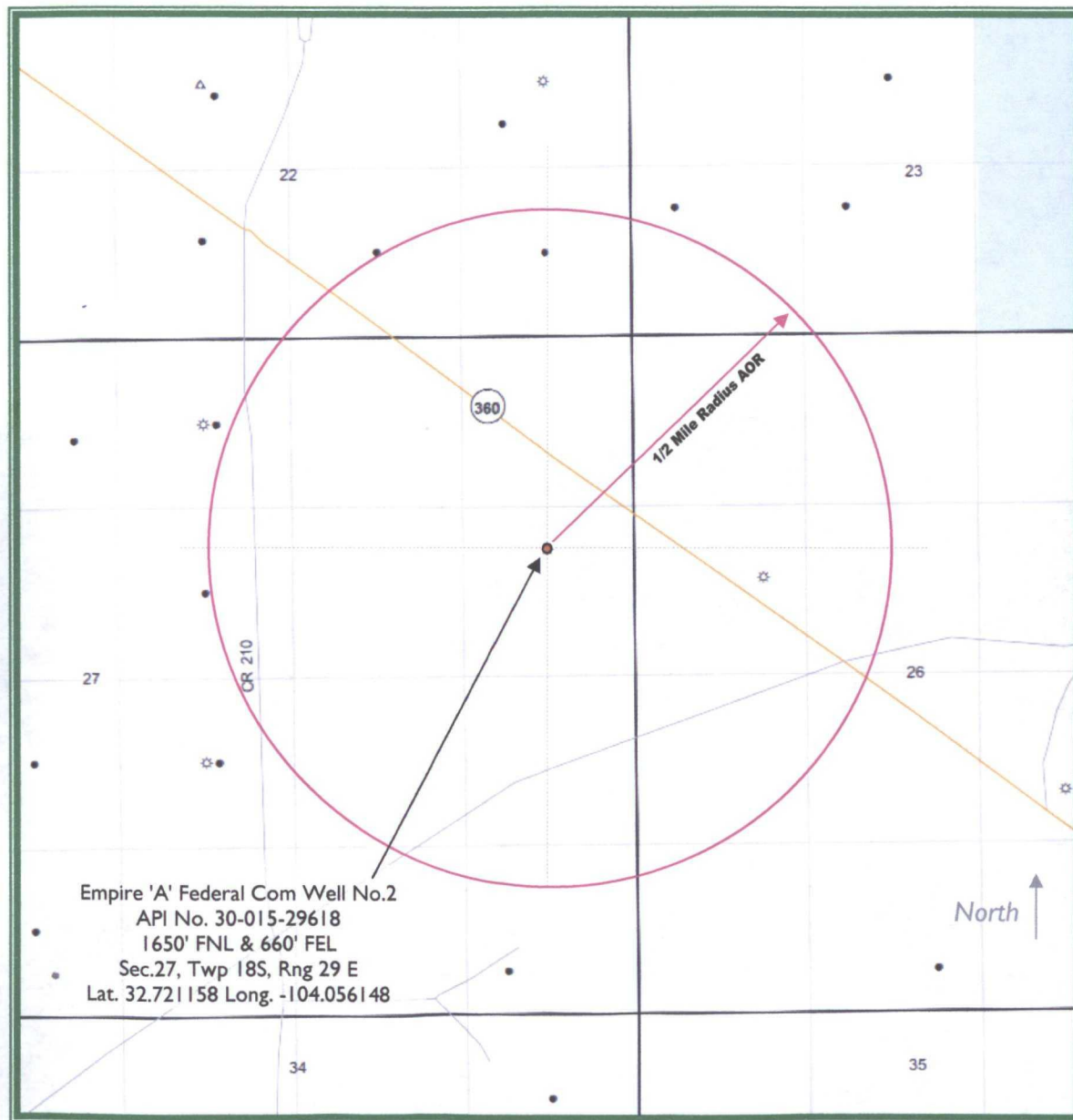
- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates 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.

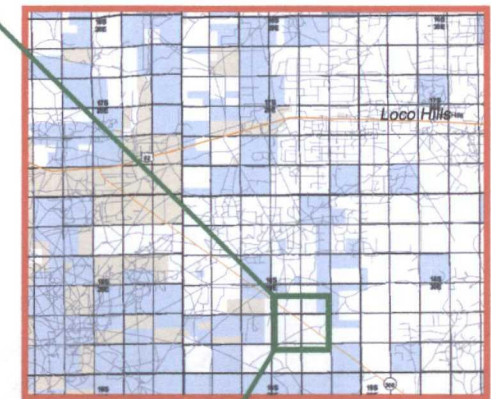
NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

Empire 'A' Federal Com Well No.2 - Area of Review / Overview Map

(For inclusion with NMOCD Form C-108, Application for Authority to Inject.)



~7.0 miles Southwest of
Loco Hills, NM



Eddy County, New Mexico

Ray Westall Operating, Inc.

WELL SCHEMATIC - CURRENT Empire 'A' Federal Com Well No.2

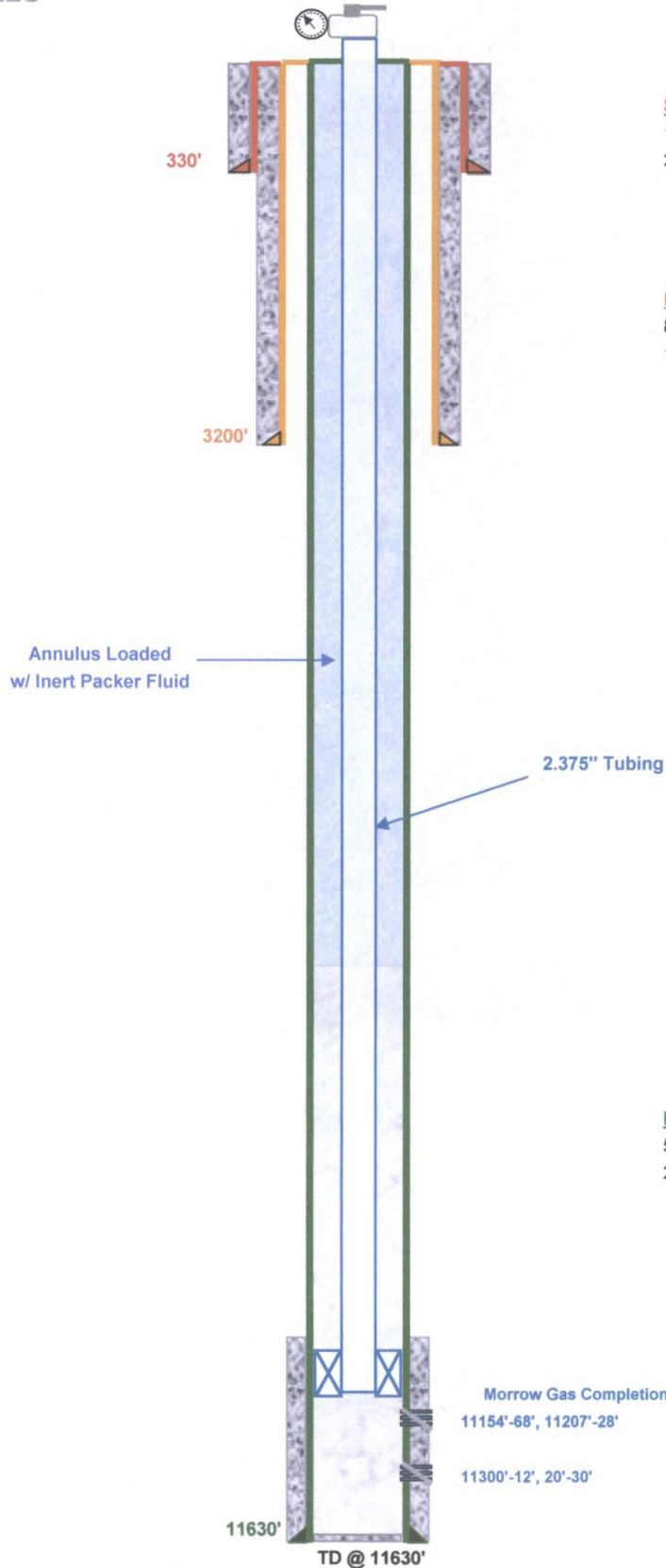
Morrow Gas Completion

API 30-015-29618

1650' FNL & 660' FEL, SEC. 27-T18S-R29E
EDDY COUNTY, NEW MEXICO

Previous Operator:
JKM Energy, LLC

SPUD - 1997
Then PLUGGED
RE-ENTRY
Spud Date: 2/10/2004
Shut In Date: 2009



Surface Casing

13.375", 48# Csg. (17.5" Hole) @ 330'
365 sx Class 'C' - Circulated

Intermediate Casing

8.625", 32# Csg. (12.25" Hole) @ 3200'
1335 sxs Class 'C' - Circulated

Production Casing

5.5" 17.0# Csg. (7.875" Hole) @ 11630'
250 sxs Class 'H' - TOC @ 10500' Calculated

Morrow Gas Completion (original)
11154'-68", 11207'-28'

11300'-12', 20'-30'

11630'

TD @ 11630'

SOS Consulting, LLC

Drawn by: Ben Stone, 10/13/2012

WELL SCHEMATIC - PROPOSED Empire 'A' Federal Com Well No.2

API 30-015-29618

1650' FNL & 660' FEL, SEC. 27-T18S-R29E
EDDY COUNTY, NEW MEXICO

Spud Date: 2/10/2004
Shut In Date: 2009

Annulus Monitored
or open to atmosphere

Injection Pressure Regulated
and Volumes Reported

Surface Casing

13.375", 48# Csg. (17.5" Hole) @ 330'
365 sx Class 'C' - Circulated

Intermediate Casing

8.625", 32# Csg. (12.25" Hole) @ 3200'
1335 sxs Class 'C' - Circulated

Ray Westall Operating, Inc.

Annulus Loaded
w/ Inert Packer Fluid

2.375" PC Tubing (or equivalent)
PKR ~8690'

NOTE: Existing perms within permitted interval
may or may not be utilized as specified intervals.

PROPOSED DISPOSAL INTERVALS
(Selectively Perforated Intervals TO BE DETERMINED.)

Squeeze as necessary to establish
Top of Cement behind 5-1/2" at approximately 8200'

TOP of INTERVAL
@ 8788' - Wolfcamp

Production Casing

5.5" 17.0# Csg. (7.875" Hole) @ 11630'
250 sxs Class 'H' - TOC @ 10500' Calculated

BOTTOM of INTERVAL
@ 9950' - [Pennsylvanian] Canyon

Set CIBP @ ~10010'
(Isolate Existing Perfs)
Cap w/ 35' Cmt.

PBTD @ ~9975'

Morrow Gas Completion (original)
11154'-68", 11207'-28"

11300'-12', 20'-30'

11630'

TD @ 11630'

SOS Consulting, LLC

Drawn by: Ben Stone, 10/13/2012

C-108 - Item VII.5

Water Analysis - Disposal Zone



Water Analysis

Date: 2/24/2005

2401 Sivley, Artesia NM 88210

Phone (505) 746-3160 Fax (505) 746-2293

Analyzed For

| Company | Well Name | County | State |
|---------|-----------|--------|------------|
| Westall | State G#1 | Eddy | New Mexico |

Sample Source

Sample #

1

Formation

Canyon

Depth

Specific Gravity

1.080

SG @ 60 °F

1.031

pH

6.30

Sulfides

Not Tested

Temperature (°F)

63

Reducing Agents

Not Tested

Cations

Sodium (Calc)

in Mg/L

9,318

in PPM

9,058

Calcium

in Mg/L

5,600

in PPM

5,328

Magnesium

in Mg/L

240

in PPM

228

Soluble Iron (FE2)

in Mg/L

300.0

in PPM

285

Anions

Chlorides

in Mg/L

24,000

in PPM

22,835

Sulfates

in Mg/L

2,000

in PPM

1,903

Bicarbonates

in Mg/L

186

in PPM

178

Total Hardness (as CaCO3)

in Mg/L

15,000

in PPM

14,272

Total Dissolved Solids (Calc)

in Mg/L

41,844

in PPM

39,813

Equivalent NaCl Concentration

in Mg/L

38,410

in PPM

36,546

Scaling Tendencies

*Calcium Carbonate Index

1,032,464

Below 500,000 Remote / 500,000 - 1,000,000 Possible / Above 1,000,000 Probable

*Calcium Sulfate (Gyp) Index

11,200,000

Below 500,000 Remote / 500,000 - 10,000,000 Possible / Above 10,000,000 Probable

This Calculation is only an approximation and is only valid before treatment of a well or several weeks after treatment.

Remarks

FAX 877-2361

Report #

1732

C-108 - Item VII.5

Water Analysis - Source Water - SAN ANDRES

B J Services Water Analysis

Artesia District Laboratory
(505)-748-3140

Date: 8-Nov-00 Test #:
Company: SDX Resources Well #:
Lessor: Chalk Federal #2 County: Edwy
State: N.M. Formation: San Andres
Depth: 2900 Source:

pH: 6.51 Temp (F): 58.3
Specific Gravity: 1.12

| CATIONS | mg/l | mmol | ppm |
|----------------|-------|--------|-------|
| Sodium (calc.) | 64602 | 2370.7 | 48862 |
| Calcium | 3208 | 160.1 | 2864 |
| Magnesium | 1498 | 120.0 | 1302 |
| Barium | < 25 | — | — |
| Potassium | < 10 | — | — |
| Iron | 3 | 0.1 | 2 |

| ANIONS | mg/l | mmol | ppm |
|-------------------------------|--------|--------|--------|
| Chloride | 93000 | 2023.4 | 83036 |
| Sulfate | 1071 | 22.3 | 957 |
| Carbonate | < 1 | — | — |
| Bicarbonate | 878 | 14.4 | 784 |
| Total Dissolved Solids(calc.) | 154120 | | 137607 |
| Total Hardness as CaCO3 | 14014 | 280.0 | 12513 |

COMMENTS:

Rw= 0.0047 @ 51.1 deg.

SCALE ANALYSIS:

| | | | |
|--------------|---------|---------------------------------------|---------|
| CaCO3 Factor | 2817907 | Calcium Carbonate Scale Probability → | Probabl |
| CaSO4 Factor | 3848600 | Calcium Sulfate Scale Probability → | Amount |

SSW Plot



C-108 - Item VII.5

Water Analysis - Source Water - DELAWARE



Water Analysis

Date: 11-Jan-05

2768 West County Road, Hobbs NM 88240

Phone (505) 392-3336 Fax (505) 392-7307

Analyzed For

| Devon | Spud 16 State #1 | Lee | New Mexico |
|-------|------------------|-----|------------|
|-------|------------------|-----|------------|

Sample Source Sample Sample # 1

Formation Depth

| | | | |
|------------------|-------|-----------------|--------|
| Specific Gravity | 1.185 | SG @ 60 °F | 1.185 |
| pH | 5.88 | Sulfides | Absent |
| Temperature (°F) | 65 | Reducing Agents | |

Cations

| | | | | |
|--------------------|---------|--------|--------|--------|
| Sodium (Calc) | in Mg/L | 73,885 | in PPM | 61,888 |
| Calcium | in Mg/L | 34,900 | in PPM | 28,428 |
| Magnesium | in Mg/L | 5,040 | in PPM | 4,214 |
| Soluble Iron (FE2) | in Mg/L | 50.8 | in PPM | 42 |

Anions

| | | | | |
|-------------------------------|---------|---------|--------|---------|
| Chlorides | in Mg/L | 188,000 | in PPM | 157,191 |
| Sulfates | in Mg/L | 550 | in PPM | 460 |
| Bicarbonates | in Mg/L | 78 | in PPM | 65 |
| Total Hardness (as CaCO3) | in Mg/L | 188,628 | in PPM | 157,616 |
| Total Dissolved Solids (Calc) | in Mg/L | 301,703 | in PPM | 252,268 |
| Equivalent NaCl Concentration | in Mg/L | 254,723 | in PPM | 212,988 |

Scaling Tendencies

*Calcium Carbonate Index 2,654,720

Below 500,000 Remote / 500,000 - 1,000,000 Possible / Above 1,000,000 Probable

*Calcium Sulfate (Gyp) Index 18,700,000

Below 500,000 Remote / 500,000 - 10,000,000 Possible / Above 10,000,000 Probable

This Calculation is only an approximation and is only valid before treatment of a well or several weeks after treatment.

Remarks mw=.040@63f

C-108 - Item VII.5

Water Analysis - Source Water - MORROW



HALLIBURTON

 CENTRAL OPERATIONS LABORATORY
 WATER ANALYSIS REPORT
 HOBBS, NEW MEXICO

 COMPANY Martech

 REPORT WD2-128
 DATE June 18, 2002
 DISTRICT Hobbs

 SUBMITTED BY Jim Trele

 WELL Ruger St. #1 DEPTH _____ FORMATION _____
 COUNTY _____ FIELD _____ SOURCE _____

 SAMPLE Morrow Prod. Water

| | | | | | | | | |
|--------------|---------------|------|----------|------|----------|------|----------|------|
| Sample Temp. | <u>84</u> | °F | _____ | °F | _____ | °F | _____ | °F |
| RESISTIVITY | <u>0.13</u> | | _____ | | _____ | | _____ | |
| SPECIFIC GR. | <u>1.040</u> | | _____ | | _____ | | _____ | |
| pH | <u>6.83</u> | | _____ | | _____ | | _____ | |
| CALCIUM | <u>4,500</u> | mg/l | _____ | mg/l | _____ | mg/l | _____ | mg/l |
| MAGNESIUM | <u>6,300</u> | mg/l | _____ | mg/l | _____ | mg/l | _____ | mg/l |
| CHLORIDE | <u>34,863</u> | mg/l | _____ | mg/l | _____ | mg/l | _____ | mg/l |
| SULFATES | <u>841</u> | mg/l | _____ | mg/l | _____ | mg/l | _____ | mg/l |
| BICARBONATES | <u>18</u> | mg/l | _____ | mg/l | _____ | mg/l | _____ | mg/l |
| SOLUBLE IRON | <u>0</u> | mg/l | _____ | mg/l | _____ | mg/l | _____ | mg/l |
| Sodium | _____ | mg/l | <u>0</u> | mg/l | <u>0</u> | mg/l | <u>0</u> | mg/l |
| TDS | _____ | mg/l | <u>0</u> | mg/l | <u>0</u> | mg/l | <u>0</u> | mg/l |
| OIL GRAVITY | <u>0</u> | ° | <u>0</u> | ° | <u>0</u> | ° | <u>0</u> | ° |

 REMARKS _____

 MPL = Milligrams per liter
 Resistivity measured in: Ohm-cm

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 persons and employees thereof receiving such report from Halliburton Co.

 ANALYST: Mike Armstrong

C-108 ITEM VIII – GEOLOGIC INFORMATION

The Wolfcamp formation is a mixed lithology system of interbedded carbonate and shale including considerable dolomite of medium to fine grains and minor sandstone. The formation thickness varies from about 400 to 500 feet of shales.

The [Pennsylvanian] Canyon formation consists of similarly medium-grained carbonates, primarily dolomite and porous and permeable sandstone interbedded with shale and is generally 150 to 200 feet in thickness.

There is potential sources of drinking water in the overlying sands occurring at a depth from surface of up to 250 feet. (Note: there are no known domestic water wells within one mile of the proposed SWD well.) The upper part of the section on average consists of 200 ft of Holocene alluvial deposits of caliche, sand, gravel, and clay. Included in this interval are red sandstone and shale of the Chinle formation and Santa Rosa sandstone and similar deposits of the Dewey Lake formation. These formations are underlain by the Rustler and Salado formations.

There are no known sources of water <10,000 mg/l TDS which underlie the injection zones.

B/S = Tried nearby

WC / UPPER Penn

DSTED in Surrounding wells
but never completed

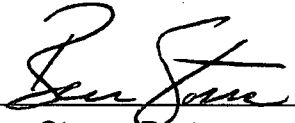
POSSIBLY Gasey

STRAIN = ?

ATOKA / Morrow = Producing Gas in THIS Area

C-108 ITEM XII – GEOLOGIC AFFIRMATION

We have examined available geologic and engineering data and have found no evidence of open faults or other hydrologic connection between the disposal interval and any underground sources of drinking water.



Ben Stone, Partner
SOS Consulting, LLC

Project: Ray Westall Operating, Inc.
Empire 'A' Federal Com No.2
Reviewed 10/31/2012

C-108 ITEM VI - WELLS IN AREA OF REVIEW ^{in 'C' = Espina Federal #1 2328}

There are 2 wells that lie within the 1/2 mile area of review.

30-015-24528 BOULTER FEDERAL COM #004 (PLUGGED and ABANDONED)

Unit Letter 'P', Section 22, Twp 19S, Rng 28E - Total Depth: 3530'. This well DOES NOT penetrate the zone of interest.

30-015-29022 EAST TURKEY TRACK FEDERAL COM #002

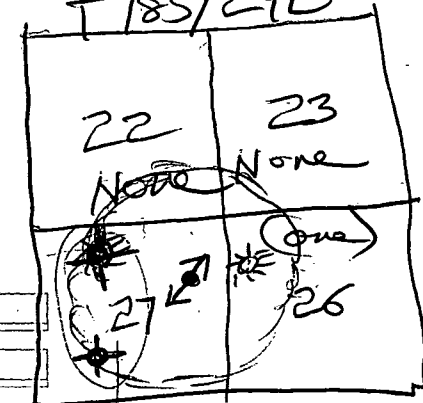
Unit Letter 'E', Section 26, Twp 19S, Rng 28E - Total Depth: 11240'. This well DOES penetrate the zone of interest.

| | |
|--|----------------|
| <input checked="" type="checkbox"/> General Well Information | Status: Active |
| <input checked="" type="checkbox"/> History | |
| <input checked="" type="checkbox"/> Comments | |
| Operator Company: [15445] MYCO INDUSTRIES INC Address: PO BOX 840 ARTESIA, NM 88211 Country: Main Phone: | |
| <input checked="" type="checkbox"/> Central Contact Person No district contact found. | |

| |
|--|
| <input checked="" type="checkbox"/> Pits |
|--|

| Casing | | | | | | | | | | | | | | |
|-----------------------|-------|----------|---|-------|----------------|---------------------------------------|--------|--------|--------------------------------|------------|------|-----------------------------|-------|---------------------|
| | | | Boreholes, Strings and Equipment Specifications | | | Specifications for Strings and Tubing | | | Strings Cemented and Intervals | | | Cement and Plug Description | | |
| String/Hole Type | Taper | Date Set | Diameter | Top | Bottom (Depth) | Grade | Length | Weight | Bot of Cem | Top of Cem | Meth | Class of Cement | Sacks | Pressure Test (Y/N) |
| Surface Casing | 1 | | 13.375 | 0 | 350 | | 350 | 48.0 | 350 | 0 | | Class C Cement | 320 | No |
| Hole 1 | 1 | | 13.375 | 0 | 350 | | 0 | 0.0 | 0 | 0 | | | 0 | No |
| Intermediate 1 Casing | 1 | | 8.625 | 0 | 3200 | | 3200 | 32.0 | 3200 | 0 | | Class C Cement | 1400 | No |
| Hole 2 | 1 | | 8.625 | 0 | 3200 | | 0 | 0.0 | 0 | 0 | | | 0 | No |
| Production Casing | 1 | | 5.5 | 0 | 11790 | | 11790 | 17.0 | 11790 | 0 | | Class C Cement | 1925 | No |
| Hole 3 | 1 | | 5.5 | 0 | 11790 | | 0 | 0.0 | 0 | 0 | | | 0 | No |
| Pecker | 1 | | 5.5 | 11240 | 11245 | | 5 | 0.0 | 0 | 0 | | | 0 | No |
| Tubing 1 | 1 | | 2.875 | 0 | 11240 | | 11240 | 0.0 | 0 | 0 | | | 0 | No |

| | | |
|--|----------------|-------------------------|
| Well Completions | | |
| <input checked="" type="checkbox"/> [86500] TURKEY TRACK;MORROW, NORTH (GAS) | Status: Active | Last Produced: 9/1/2012 |



2 wells both PEA

DVC 8518
CIRC below

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFIED RETURN: P 387 148 288

Form approved,
Budget Bureau No. 1004-0137
Expires August 31, 1985

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: ☐ OIL WELL ☒ GAS WELL ☐ DRY ☐ No M, Oil Cons. Division

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. REMEDY ☐

2. NAME OF OPERATOR

MYCO INDUSTRIES, INC.

3. ADDRESS OF OPERATOR

P O BOX 840, ARTESIA, NM 88211-0840 (505) 748-1471

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

1880' FNL & 990' FWL (Unit E)

At top prod. interval reported below

At total depth

14. PERMIT NO.

30-015-29022

DATE ISSUED

DIST. 2

12. COUNTY OR PARISH
EDDY

13. STATE
NM

15. DATE SPUDDED

7/16/96

16. DATE T.D. REACHED

8/18/96

17. DATE COMPL. (Ready to prod.)

11/1/96

18. ELEVATIONS (OF, RKB, RT, GR, ETC.) *

3445' RKB

19. ELEV. CASINGHEAD

3430' GR

20. TOTAL DEPTH, MD & TVD

11,790' (Logs)

21. PLUG BACK T.D., MD & TVD

11,741' PBTD

22. IF MULTIPLE COMPL., HOW MANY *

23. INTERVALS DRILLED BY

ROTARY TOOLS

0-11,790'

CABLE TOOLS

24. PRODUCING INTERVAL(S). OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) *

Lower Morrow Clastics: 11,279-288'
11,296-302'

25. WAS DIRECTIONAL SURVEY MADE

TOTCO-attached

26. TYPE ELECTRIC AND OTHER LOGS RUN

DLL/M-SFL/GR CN/LD BCS (0-3196') CBL (8000-11738')

27. WAS WELL CORED
NO

28. CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|-------------|-----------------|----------------|-----------|---|---------------|
| 13 3/8" | 48# New | 350' | 17 1/2" | 320-sxs (circulated) | |
| 8 5/8" | 32# New | 3,200' | 12 1/4" | 1,400-sxs (circulated) | |
| 5 1/2" | 17# New | 11,790' | 7 7/8" | I. 825-sxs (cir) DV tool @ 8518' II. 1,100-sxs | |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------|-------------|---------------|-------------|--------|----------------|-----------------|
| | | | | | 2 7/8" | 11,245' | 11,245' |

31. PERFORATION RECORD (Interval, size and number)

11,279-288' (4-JSPF) 40-0.38" Holes

11,296-302' (4-JSPF) 28-0.38" Holes

ACCEPTED FOR RECORD
NOV 14 1996
BLM

33. PRODUCTION

| | | | | | | | |
|-----------------------|-----------------|--|-------------------------|-----------|------------|------------------------------------|---------------|
| DATE FIRST PRODUCTION | | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | | | | WELL STATUS (Producing or shut-in) | |
| 11/1/96 | | Flowing | | | | Producing | |
| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MMCF. | WATER—BBL. | GAS-OIL RATIO |
| 11/1/96 | 26 | 16/64 | → | 49 | 4.1 MMCF | 1 | 83,673:1 |
| FLOW. TUBING PRESS. | CASINO PRESSURE | CALCULATED 24-HOUR RATE | OIL—BBL. | GAS—MMCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) | |
| 2050# | 0 | → | 45 | 3.78 MMCF | 0.9 | 55 Deg | |

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold to: Agave Energy Co. (1st sales: 11/1/96)

TEST WITNESSED BY
Nelson Muncy

35. LIST OF ATTACHMENTS

All logs listed in (26), Totco Survey, & Perforating record

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Umm Muncy, PELS

TITLE

Operations Manager

DATE

11/6/96

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

E. Turkey Trunk F&G #2 (2/2)

37. SUMMARY OF POROUS ZONES (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. |
|---------------|---------|---------|---|
| W/C: | 8995' | 9027' | DST #1 TIMES: 30", 60", 120", 240" IHP 4202# IFP 76-182# ISIP 3663# FFP 120-347# FSIP 3657# FHP 4202" REC. 9.03-BBLS Gas cut oil 43 Gravity @ 60 Deg Sampler - 200CC Mud, 1.6 CFG and 600CC Oil CL = 54,000 |
| UPPER MORROW: | 11,114' | 11,140' | No Test |
| | 11,154' | 11,163' | |
| LOWER MORROW: | 11,279' | 11,288' | No Test |
| | 11,296' | 11,302' | |
| | | | Note: Ran 1-DST on this well |

38. GEOLOGIC MARKERS (15' KB)

| NAME | TOP | |
|------------------|-------------|------------------|
| | MEAS. DEPTH | TRUE VERT. DEPTH |
| Bone Springs | 3740' | |
| 1st BS Sd | 6904' | |
| 2nd BS Sd | 7734' | |
| 3rd BS Sd | 8531' | |
| Basal BS Carb | 8775' | |
| W/C | 8965' | |
| Upper Penn Carb | 9759' | |
| Strawn | 10,244' | |
| Atoka | 10,516' | |
| Morrow Cl | 11,082' | |
| Upper Morrow Sd | 11,113' | |
| Lower Morrow Sd | 11,226' | |
| Base L Morrow Cl | 11,341' | |
| TD | 11,790' | |

AOR

1/3

AOR

SOUTHLAND ROYALTY COMPANY

SRC Empire Federal Comm. No. 1
1980' FSL, 1980' FWL, Sec. 27, T-18-S, R-29-E
Eddy County, New Mexico
LC-067132

To supplement USGS Form 9-331C "Application to Drill" the following additional information is submitted concerning questions on Page 5 of NTL-6"

1. See Form 9-331C.
2. See Form 9-331C.
3. The geological name of surface formation is: Guadalupian
4. See Form 9-331C.
5. See Form 9-331C.
6. The estimated tops of important geological markers are:

RECEIVED

| | | | | | |
|----------|-------|------------|---------|---------------|---------|
| T/salt | 350' | San Andres | 2825' | Morrow | 10,650' |
| B/salt | 800' | Wolfcamp | 8700' | Mississippian | 11,400' |
| Yates | 1050' | Cisco | 9700' | | |
| Queen | 1975' | Strawn | 9900' | | |
| Grayburg | 2350' | Atoka | 10,450' | | |

7. The estimated depths at which anticipated water, oil, gas and mineral bearing strata are as follows:

| | |
|------------------|---------|
| San Andres (Oil) | 2825' |
| Wolfcamp (Oil) | 8700' |
| Cisco (Gas) | 9700' |
| Strawn (Gas) | 9900' |
| Atoka (Gas) | 10,450' |

?

TOC @ 8260' OK

8. See Form 9-331C. All casing will be new.
9. See Form 9-331C for depths of strings. Cement volumes and additions as follows:
 - a. 11 3/4" casing: Cement w/275 sx. Class "C" cement w/2% CaCl. Cement to be circulated back to surface.
 - b. 8 5/8" casing: Cement w/880 sx. Class "C" Lite, 18% salt/sx, 10# Gilsonite/sx, 1/2# Flocele/sx. plus 300 sx. Class "C" w/3# salt/sx. Circulate cement back to surface. A caliper log will be run in conjunction with other logs prior to running casing to obtain exact hole volumes. It is estimated that the volumes used will circulate cement back to surface of ground.
 - c. 4 1/2" casing: Cement w/435 sx. Class "C" Lite .6% Halad 22/sx, 3# KCL/sx. plus 300 sx. Class "H" 50-50 Pozmix A, 2% Gel/sx., .6% Halad 22/sx., .4% CFR-2/sx, 3# KCL/sx. Will run caliper in conjunction w/open hole logs prior to setting 4 1/2" casing to determine exact cementing volumes. Top cement estimated to be at 8500'. Cementing volumes could vary depending on development of intermediate horizons.

INSTRUCTIONS

2/3

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on Items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see Item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in Item 22, and in Item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in Item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for Items 22 and 24 above.)

SRC Empire Fed Com #1

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. |
|--------------|------|--------|--|
| Seven Rivers | 1338 | 1377 | 15 min preflow, weak to very weak blow. 1 hr. ISI, 30 min FF very weak blow, 1 1/2 hr FSI. Rec 30' drlg mud. IH 725#, IF 26#, ISI 53#, FF 39#, FSI 53#, FH 760# Sampler no press. 2100 cc drlg mud |
| Wolfcamp | 8910 | 8941 | 15 min preflow medium to good blow, 1 hr ISI, 1 hr FF good to strong blow FSI 3 hrs GTS 8 min into FSI. Rec 10' oil & 90' drlg mud IH 4399#, IF 79#-117#, FSI 3474#, FH 4412#, Sampler 35#, Rec .18 CFG, 720 cc oil, 80 cc mud. |
| Wolfcamp | 9660 | 9679 | 15 min preflow fair to good blow, 1 hr. ISI, 1 hr FF good blow, 3 hr FSI gas to surface 7 min in FSI. Rec 10' oil & 50' gas cut mud. IH 4895#, IF 54#, ISI 2260#, FF 54-90#, FSI 3072#, FH 4895#, Sampler no press Rec .270 CFG, no fluid |

38. GEOLOGIC MARKERS

| NAME | TOP | |
|---------------|-------------|------------------|
| | MEAS. DEPTH | TRUE VERT. DEPTH |
| San Andres | 2932 | |
| 1st Bone Spr. | 6705 | |
| 2nd Bone Spr. | 7615 | |
| 3rd Bone Spr. | 8472 | |
| Wolfcamp | 8796 | |
| Cisco | 9795 | |
| Canyon | 10032 | |
| Strawn | 10200 | |
| Atoka | 10605 | |
| Morrow | 11022 | |

Too Deep

KB: 0.0'
DF: 0.0'
GL: 3459.4'

#1

LEGAL DESCRIPTION

1980' FSL & 1980' FWL
Unit K, Sec 27-T18S-R29E
Eddy Co., NM
API # 30-015-23102
Cimarex Prop #309548-019

Completion Date: 6/24/1980

PERF. X SQZ. 25 SXS.
@ 63'-3'

PERF. X SQZ. 35 SXS.
@ 400'-300'

PERF. X SQZ. 45 SXS.
@ 2995'-2870'

PERF. X SQZ. 45 SXS.
@ 3260'-3130'

PERF. X SQZ. 65 SXS.
@ 6785'-6625' →

TOC @ unknown
8,260' T.S.

Pump 25 SXS.
@ 8920'-8670'

Pump 25 SXS.
@ 10,700'-10,100'

4-1/2" CIBP @ 10,700'

11,699'
4-1/2", 11.6# csg @ 11,450'
cmt w/ 735 sx: 825 SXS.
TOC @ unknown

TD = 11,450'

11,700'

11-3/4", 42# csg @ 350' ok
TOC @ surface?

8-5/8", 24# csg @ 3,200' 3,208'
TOC @ surface? w/ 1,100 SXS.
CIRC.

HIC @ 3258 - 3725'

Sqz'd w/600 sx (2/2/2000)

Circ to surface

Re-sqz'd w/50 sx did not test

Re-sqz'd w/150 sx did not test

Re-sqz'd w/13 sx Micro-Matrix

341 jts 2/38" N-80 tbg (5/23/2001)

Arrowset pkr w/1.812" profile nip set
@ 10,524'

ATOKA Perfs 10,763'-73' w/ 2 SPF
Guiberson VI (junk) pkr pushed to
10,992', top of fish = 10,876
Cement Retainer @11,100'

MORROW Perfs: 11,172'-260'
Sqz'd w/75 sx (6/21/1980)

PBTD = 11,100'

DAE 01/09/12

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-1-78

RECEIVED

JUL 23 1980

O. C. D.
ARTESIA, OFFICEREQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

| | |
|---------------------|--|
| NAME OF OPERATOR | |
| REGISTRATION | |
| SANTA FE | |
| FILE | |
| U.S.S. | |
| LAND OFFICE | |
| TRANSPORTER | |
| OPERATOR | |
| REGISTRATION OFFICE | |

Southland Royalty Company

Address

1100 Wall Towers West, Midland, Texas 79701

Reason(s) for filing (Check proper box)

| | | | |
|---------------------|-------------------------------------|---------------------------|--------------------------|
| New Well | <input checked="" type="checkbox"/> | Change in Transporter of: | |
| Recompletion | <input type="checkbox"/> | Oil | <input type="checkbox"/> |
| Change in Ownership | <input type="checkbox"/> | Casinghead Gas | <input type="checkbox"/> |
| | | Dry Gas | <input type="checkbox"/> |
| | | Condensate | <input type="checkbox"/> |

Other (Please explain)

If change of ownership give name
and address of previous owner

DESCRIPTION OF WELL AND LEASE

| | | | | | | | | | |
|------------|---------------------|----------|---|--------------------------------|--------------------|---------------|---------|-----------|-----------|
| Lease Name | Empire Federal Comm | Well No. | 1 | Pool Name, including Formation | Undesignated Atoka | Kind of Lease | Federal | Lease No. | LC-067132 |
|------------|---------------------|----------|---|--------------------------------|--------------------|---------------|---------|-----------|-----------|

Location

Unit Letter C : 660' Feet From The North Line and 1980' Feet From The West

Line of Section 27 Township 18-S Range 29-E Eddy County

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

| | | | | |
|---|--------------------------|---------------|-------------------------------------|--|
| Name of Authorized Transporter of Oil | <input type="checkbox"/> | or Condensate | <input checked="" type="checkbox"/> | Address (Give address to which approved copy of this form is to be sent) |
| Basin Inc. | | | | 511 W. Ohio, Midland Texas 79701 |
| Name of Authorized Transporter of Casinghead Gas | <input type="checkbox"/> | or Dry Gas | <input checked="" type="checkbox"/> | Address (Give address to which approved copy of this form is to be sent) |
| Northern Natural Gas Co. | | | | 2223 Dodge Street, Omaha Neb. 68102 |
| If well produces oil or liquids, give location of tanks. | Unit | Sec. | Twp. | Range |
| | C | 27 | 18-S | 29-E |
| | | | | Is gas actually connected? Yes |
| | | | | 8-29-80 |

If this production is commingled with that from any other lease or pool, give commingling order number:

COMPLETION DATA

| | | | | | | | | |
|--|--------------------------|-------------------------------------|-------------------------------------|-----------------|------------|-------------------|----------------|------------|
| Designate Type of Completion -- (X) | Oil Well | Gas Well | New Well | Workover | Deepen | Plug Back | Same Reservoir | Diff. Res. |
| | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | |
| Date Spudded | 5/3/80 | Date Compl. Ready to Prod. | 7/7/80 | Total Depth | 11,750' MD | P.B.T.D. | | |
| Elevation (D.F., R.R.B., RT, GR, etc.) | 3558. 2' Gr | Name of Producing Formation | Atoka | Top Oil/Gas Pay | 10,752' | Tubing Depth | 11,650' MD | |
| Perforations | 10,752' - 10,778' 2 JSPE | | | | | Depth Casing Shoe | 10,607' | |
| | | | | | | | 11,747' | |

TUBING, CASING, AND CEMENTING RECORD

| HOLE SIZE | CASING & TUBING SIZE | DEPTH SET | SACKS CEMENT |
|-----------|----------------------|-----------|------------------------------|
| 15" | 11 3/4" 42# | 350' | 275 sxs + 7 1/2 yd Ready Mix |
| 11" | 8 5/8" 24# 28# | 3200' | 1100 sxs cl "C" |
| 7 7/8" | 4 1/2" 11.6 & 13.5# | 11,747' | 935 sxs Poz A 50/50, |
| | 2 3/8" 4.7# | 10,607' | Top. CMT 8280' by T.S. |

TEST DATA AND REQUEST FOR ALLOWABLE
OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

| | | |
|---------------------------------|-----------------|---|
| Date First New Oil Run To Tanks | Date of Test | Producing Method (Flow, pump, gas lift, etc.) |
| | | |
| Length of Test | Tubing Pressure | Casing Pressure |
| | | |
| Actual Prod. During Test | Oil-Bbls. | Water-Bbls. |
| | | |

GAS WELL

| | | | |
|----------------------------------|---------------------------|---------------------------|-----------------------|
| Actual Prod. Test-MCF/D | Length of Test | Bbls. Condensate/MCF | Gravity of Condensate |
| 1662 | 1 hr. | 4.85 BO | 57.5 |
| Testing Method (prior, back pr.) | Tubing Pressure (psig-in) | Casing Pressure (psig-in) | Choke Size |
| Back pr. | 3715 psi | N/A | 12/64 |

CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation
Division have been complied with and that the information given
above is true and complete to the best of my knowledge and belief.

OIL CONSERVATION DIVISION

SEP 4 - 1980

APPROVED

BY

SUPERVISOR, DISTRICT II

TITLE

This form is to be filed in compliance with RULE 1102.

If this is a request for allowable for a newly drilled or deepened
well, this form must be accompanied by a tabulation of the deviator
logs taken on the well in accordance with RULE 111.All sections of this form must be filled out completely for allow-
able on new and recompleted wells.Fill out only Sections I, II, III, and VI for changes of owner,
well name or number, or transporter, or other such change of condition.

Separate Form C-104 must be filed for each pool in multiple

Donald R Craig
(Signature)

District Operation Engineer

7/16/80

(Date)

2/4

SOUTHLAND ROYALTY COMPANY
Empire Federal "A" Comm. No. 1
LC-067132
660 FNL 1980 FWL
Sec. 27 T-18-S R-29-E
Eddy County, New Mexico

To supplement USGS Form 9-331C "Application to Drill" the following additional information is submitted concerning questions on Page 5 of NTL-6"

1. See Form 9-331C.
2. See Form 9-331C.
3. The geological name of surface formation is: Guadalupian
4. See Form 9-331C.
5. See Form 9-331C.
6. The estimated tops of important geological markers are:

| | | | | | |
|----------|-------|------------|---------|---------------|---------|
| T/salt | 350' | San Andres | 2825' | Morrow | 10,650' |
| B/salt | 800' | Wolfcamp | 8700' | Mississippian | 11,400' |
| Yates | 1050' | Cisco | 9700' | | |
| Queen | 1975' | Strawn | 9900' | | |
| Grayburg | 2350' | Atoka | 10,450' | | |

7. The estimated depths at which anticipated water, oil, gas and mineral bearing strata are as follows:

| | |
|------------------|---------|
| San Andres (Oil) | 2825' |
| Wolfcamp (Oil) | 8700' |
| Cisco (Gas) | 9700' |
| Strawn (Gas) | 9900' |
| Atoka (Gas) | 10,450' |

8. See Form 9-331C. All casing will be new.
9. See Form 9-331C for depths of strings. Cement volumes and additions as follows:
 - a. 11 3/4" casing: Cement w/275 sx. Class "C" cement w/2% CaCl. Cement to be circulated back to surface.
 - b. 8 5/8" casing: Cement w/800 sx. Class "C" Lite, 18% salt/sx, 10# Gilsonite/sx, 1/2# Flocele/sx. plus 300 sx. Class "C" w/3# salt/sx. Circulate cement back to surface. A caliper log will be run in conjunction with other logs prior to running casing to obtain exact hole volumes. It is estimated that the volumes used will circulate cement back to surface of ground.
 - c. 4 1/2" casing: Cement w/435 sx. Class "C" Lite .6% Halad 22/sx, 3# KCL/sx. plus 300 sx. Class "H" 50-50 Pozmix A, 2% Gel/sx., .6% Halad 22/sx., .4% CFR-2/sx, 3# KCL/sx. Will run caliper in conjunction w/open hole logs prior to setting 4 1/2" casing to determine exact cementing volumes. Top cement estimated to be at 8500'. Cementing volumes could vary depending on development of intermediate horizons.

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 33.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CURSION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

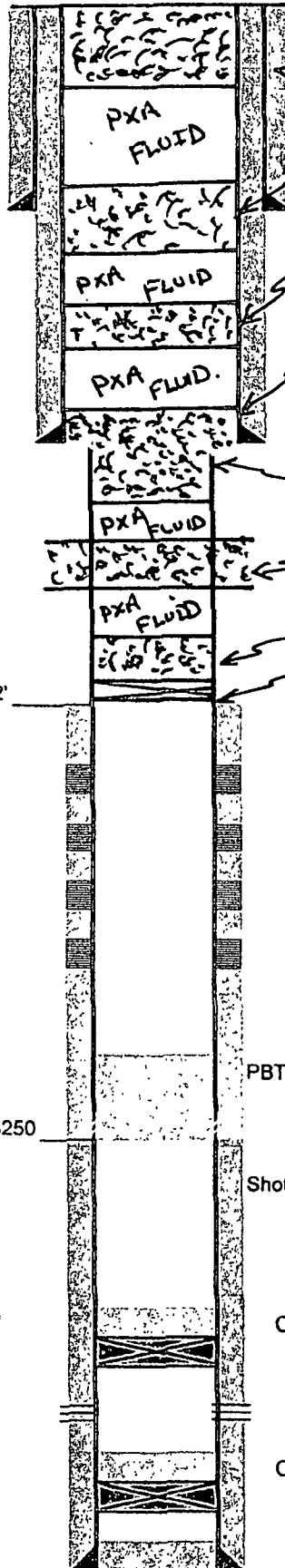
| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. |
|--------------|---------|---------|---|
| Wolfcamp | 8520' | 8551' | DST#1: 15 min preflow, weak blow, 1 hr ISI 30 min FF, open w/weak blow & died. 90 min FSI, IH, 4146#, IF 15# ISI 79#, FF 15#, FSI 63#, FH 4146#. Rec 10' DM. Sampler=nopress Rec 2300 cc DM, Temp 130°F |
| Cisco-Canyon | 9710' | 9746' | DST#2: 15 min preflow, weak blow, 1 hr ISI 30 FF-weak to very weak blow. 1 1/2 hr. FSI. IH 4599#, IF 43#-22#, ISI 394#, FF-22#, FSI 460#, FH 4599#, Rec. 90' of GCDM w/trace oil. Sampler 25#, Rec .037 CFG, 1000cc GCDM w/trace of oil |
| Atoka | 10,720' | 10,766' | DST#3: Preflow 13 min, open w/very strong blow. Press 450# on 1/4" choke = 3000 MCFGD. ISI 1 hr, FF 1 hr, press inc. to 320# on 3/4 ch. Approx 4000 MCFGD 3 hr FSI. IH 5526 #, IF 546-906#, ISI 4935#, FF 714-1304#, FSI 4935#, FH 5526#, Sampler 1050#, rec 7.5 CFG, Temp 154°F. |
| Morrow | 11,074' | 11,102' | DST#4: 15 min. preflow, weak blow. 1 hr. ISI, 1 hr FF, weak to very weak blow. 3 hr FSI, IH 5905 #, IF 44-22, ISI 176, FF 44. |

FSI 614, FH 5905#. Rec 15'DM. Sampler 0# Rec.700cc DM. Temp 166°F.

38. GEOLOGIC MARKERS

| NAME | TOP | |
|------------------|-------------|------------------|
| | MEAS. DEPTH | TRUE VERT. DEPTH |
| San Andres | 2906' | |
| 1st Bone Springs | 6776' | |
| 2nd Bone Springs | 7672' | |
| 3rd Bone Springs | 8418' | |
| Wolfcamp | 8753' | |
| Cisco | 9794' | |
| Canyon | 10,015' | |
| Strawn | 10,287' | |
| Atoka | 10,558' | |
| Morrow | 10,846' | |

671-233



25 SXS. CMT. @ 63'-3'

35 SXS. CMT. @ 400'-300'

11 3/4" H-40 42# @ 350' w/275 sx cmt
circ to surf. *PEI*

45 SXS. CMT. 2,966'-2,846'

50 SXS. CMT. @ 3,265'-3,135'

8 5/8" 24/28# K-55 S-80 @ 3200'
w/1100sx cmt circ to surface

4-1/2" CSG. CUT. @ 3,200'

PERF. X SQZ. 60 SXS. CMT. @

6,856'-6,696'

25 SXS. CMT. @ 7,600'-7,350'

4-1/2" CIBP @ 7,600'

Bone Springs Perfs

7646-64, 7713-31 (Sqz'd w/ 300 sxs)

Bone Springs Perfs

7642-7664

7690-7704

7742-7762

7833-7840

TOC after Sqz @ 7632'

PBTD @ 7999'

Original TOC 8250

Shot Squeeze holes @ 8250 & Sqz w/ 550 sxs

4-1/2" 11.6# 13.5# K-55 N-80 S-95 @ 11747'
w/935 sx cmt TOC @ 8280'

0'-3782' 11.6# N-80

3782'-6653' 11.6# K-55

6653'-9724' 11.6# N-80

9724'-9764' 11.6# S-95

9764'-TD 13.5# N-80

CIBP @ 10700 capped w/ 35' cmt (1/2010)

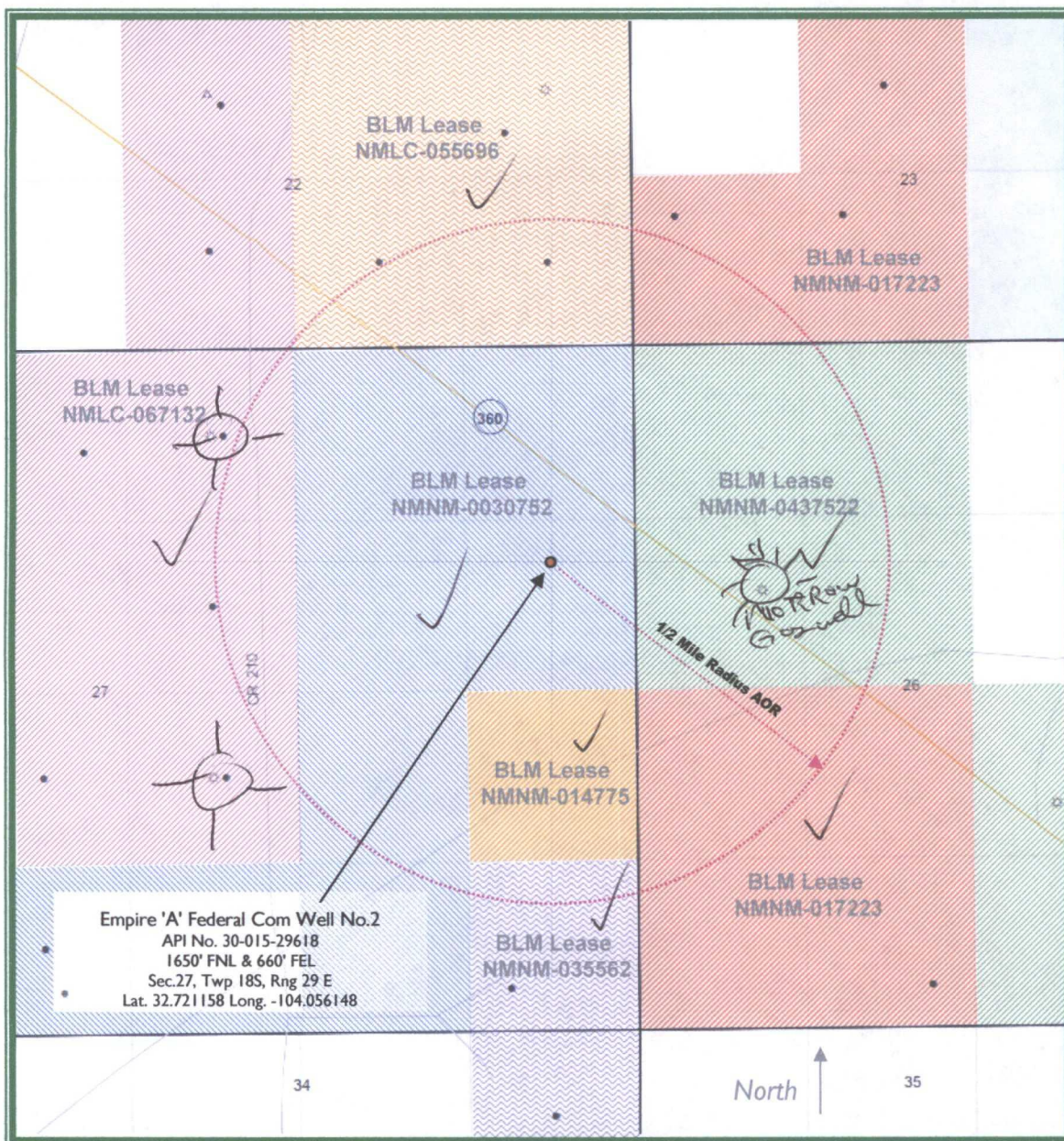
Perfs: Atoka

10752'-10778' w/2spf

CIBP @ 11100 capped w/ 35' cmt (1/2010)

PBTD 11650'
TD 11750'

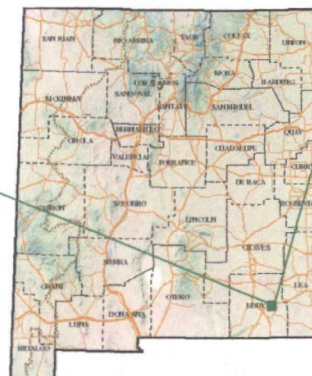
Empire 'A' Federal Com Well No.2 - Leasehold Plat (For inclusion with NMOCD Form C-108, Application for Authority to Inject.)



Ray Westall Operating, Inc.

LEGEND

- NMNM-0030752
- NMNM-0437522
- NMNM-014775
- NMNM-017223
- NMNM-035562
- NMLC-067132
- NMLC-055696



Eddy County, New Mexico



November 1, 2012

NOTIFICATION TO INTERESTED PARTIES

To Whom It May Concern:

Ray Westall Operating, Inc., Loco Hills, New Mexico, has made application to the New Mexico Oil Conservation Division to permit for salt water disposal its Empire 'A' Federal Com Well No.2. The proposed operation will be for disposal of area produced water into the Wolfcamp and Pennsylvanian Canyon formations. As indicated in the notice, the well is located in Section 27, Township 18 South, Range 29 East in Eddy County, New Mexico.

You have been identified as a party who may be interested as an offset lessee or operator.

Following is the notice published in the Artesia Daily Press, Artesia, New Mexico on August 30, 2012.

LEGAL NOTICE

Ray Westall, Inc., P.O. Box 4, Loco Hills, NM 88255 is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division for administrative approval to permit for salt water disposal in its Empire 'A' Federal Com Well No.2. The well, API No.30-015-29618 is located 1650 FNL & 660 FEL in Section 27, Township 18 South, Range 29 East in Eddy County, New Mexico. Produced water from area production will be disposed into the Wolfcamp and Pennsylvanian Canyon formations through perforations between a maximum top of 8788 feet to maximum depth of 9950 feet (specific perforated intervals to be determined) at a maximum injection pressure of 1758 psi and a maximum rate limited only by such pressure.

Interested parties wishing to object to the proposed application must file with the New Mexico Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, NM 87505, (505)476-3460 within 15 days of the date of this notice. Additional information may be obtained from the applicant's agent, SOS Consulting, LLC, (903)488-9850.

Thank you for your attention in this matter.

Best regards,

Ben Stone, SOS Consulting, LLC
Agent for Ray Westall Operating, Inc.

Cc: Application File

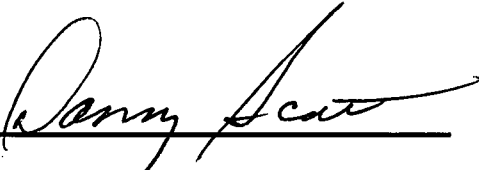
Affidavit of Publication

NO. 22285

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/days on the same day as follows:

First Publication August 30, 2102

Second Publication _____

Third Publication _____

Fourth Publication _____

Fifth Publication _____

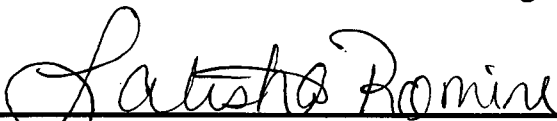
Subscribed and sworn to before me this

30th day of August 2012



OFFICIAL SEAL
Latisha Romine
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 5/12/2015



Latisha Romine
Notary Public, Eddy County, New Mexico

Copy of Publication:

LEGAL NOTICE

Ray Westall, Inc., P.O. Box 4, Loco Hills, NM 88255 is filing Form C-108 (Application for Authority to Inject) with the New Mexico Oil Conservation Division for administrative approval to permit for salt water disposal in its Empire 'A' Federal Com Well No.2. The well, API No.30-015-29618 is located 1650 FNL & 660 FEL in Section 27, Township 18 South, Range 29 East in Eddy County, New Mexico. Produced water from area production will be disposed into the Wolfcamp and Pennsylvanian Canyon formations through perforations between a maximum top of 8788 feet to maximum depth of 9950 feet (specific perforated intervals to be determined) at a maximum injection pressure of 1758 psi and a maximum rate limited only by such pressure.

Interested parties wishing to object to the proposed application must file with the New Mexico Oil Conservation Division, 1220 St. Francis Dr., Santa Fe, NM 87505, (505)476-3460 within 15 days of the date of this notice. Additional information may be obtained from the applicant's agent, SOS Consulting, LLC, (903)488-9850. Published in the Artesia Daily Press, Artesia, N.M., Aug. 30, 2012. Legal No 22285.

**C-108 ITEM XIII – PROOF OF NOTIFICATION
INTERESTED PARTIES LIST**

SURFACE OWNER

U.S. DEPARTMENT OF INTERIOR - FedEx'd copy of application + BLM SWD Sundry
Bureau of Land Management
Oil & Gas Division
620 E. Greene St.
Carlsbad, NM 88220

OFFSET OPERATOR and/or LESSEES (All notified via U.S. Postal Certified Mail - Numbered items are first occurrence of addressee.)

NMNM-0030752

1. ATLANTIC RICHFIELD CO
PO BOX 2819
DALLAS TX 75221
2. BARR RICHARD
500 N LORAIN #1070
MIDLAND TX 79701
3. BRADFORD BARRY LEE
PO BOX 600070
DALLAS TX 75360
4. DEVON ENERGY PROD CO LP
333 W SHERIDAN AVE
OKLAHOMA CITY OK 73102-5010
5. DURANGO PROD CORP
4301 MAPLEWOOD #500
WICHITA FALLS TX 76308
6. HINKLE HARRY B
PO BOX 8805
MIDLAND TX 79708
7. MACK C CHASE TRUSTEE
PO BOX 693
ARTESIA NM 88210
8. MACK ENERGY CORP
PO BOX 960
ARTESIA NM 88211
9. MAGNUM HUNTER PRODUCTION INC
600 E COLLEGE BLVD
IRVING TX 75039
10. MEC PETROLEUM CORP
PO BOX 11265
MIDLAND TX 79702

INTERESTED PARTIES LIST (cont.)

11. MURCHISON OIL & GAS INC
1100 MIRA VISTA BLVD
PLANO TX 75093-4698
 12. SHIFFLETT OPER CO
214 WEST TEXAS #900
MIDLAND TX 79701
 13. SILVERTON PETROLEUM INC
PO BOX 26
GRAHAM TX 76450
 14. SIVLEY TRUST
BOX 26900
ALBUQUERQUE NM 87125
 15. SOUTHWEST ROYALTIES INC
#6 DESTA DR #2100
MIDLAND TX 79705
 16. TRIGG OIL & GAS LP
PO BOX 520
ROSWELL NM 88202
 17. WESTMORELAND TODD E
PO BOX 10107
MIDLAND TX 79702
 18. WILSON SCOTT E
PO BOX 50250
MIDLAND TX 79710
 19. WYNN-TEXAS COMM TRST
500 W ILLINOIS
MIDLAND TX 79701
 20. YATES PETRO CORP
105 S 4TH ST
ARTESIA NM 88210
 21. CROSSLAND OPER LLC
7830 STANFORD AVENUE
DALLAS, TX 75225-8208
 22. JKM ENE LLC
26 EAST COMPRESS RD.
ARTESIA NM 88210
 23. EGL RESOURCES INC
P. O. BOX 10886
MIDLAND TX 79702
- NMNM-055696**
24. ABO PETRO CORP
105 S 4TH ST
ARTESIA NM 88210

INTERESTED PARTIES LIST (cont.)

25. ARROWHEAD OIL CORP
PO BOX 548
ARTESIA NM 88210
26. BURLINGTON RESOURCES O&G CO LP
PO BOX 4289
FARMINGTON NM 87499-4289
27. CANNON EXPL CO
3608 S COUNTY ROAD 1184
MIDLAND TX 79706-6468
28. CIBOLA ENERGY CORP
PO BOX 1668
ALBUQUERQUE NM 87103
29. DUGGAN MARY D
10031 CEDAR CREEK
HOUSTON TX 77042
30. EOG RESOURCES INC
PO BOX 4362
HOUSTON TX 77210-4362
31. HARVEY E YATES CO
1007 MARQUETTE NW
ALBUQUERQUE NM 87102
32. HOLLYHOCK CORP
3907 CRESTGATE
MIDLAND TX 79707

MACK C CHASE TRUSTEE
PO BOX 693
ARTESIA NM 88210
33. MYCO INDUSTRIES INC
105 S 4TH ST
ARTESIA NM 88210
34. OXY Y-1 COMPANY
PO BOX 27570
HOUSTON TX 77227-7570
35. PATHFINDER EXPL CO
4306 CRESTGATE
MIDLAND TX 79707
36. PEGGY A YATES ESTATE
105 S 4TH ST
ARTESIA NM 88210
37. PREMIER OG INC
PO BOX 1246
ARTESIA NM 88210

INTERESTED PARTIES LIST (cont.)

38. SACRAMENTO PARTNERS LP
105 S 4TH ST
ARTESIA NM 88210
39. SHARBRO ENERGY LLC
PO BOX 840
ARTESIA NM 88211-0840
40. SOROCO WELL SVC INC
BOX 27
BLOOMFIELD NM 87413
41. TARA-JON CORP
6003 MEADOWVIEW DR
MIDLAND TX 79707
- TRUST Q PEGGY A YATES DEC
105 S 4TH ST
ARTESIA NM 88210-2177
42. WILLIAM P DOOLEY EST
PO BOX G
ARTESIA NM 88210
43. YATES ENERGY CORP
PO BOX 2323
ROSWELL NM 88202-2323
44. YATES INDUSTRIES LLC
PO BOX 1091
ARTESIA NM 88211-1091
45. YATES JOHN A
105 S 4TH ST
ARTESIA NM 88210
- YATES PETRO CORP
105 S 4TH ST
ARTESIA NM 88210
- NMLC-067132**
- ABO PETRO CORP
105 S 4TH ST
ARTESIA NM 88210
46. DENTON OIL CO
PO BOX 1252
ARTESIA NM 88210
- DURANGO PROD CORP
4301 MAPLEWOOD #500
WICHITA FALLS TX 76308
47. FROSTMAN OIL CORP
PO BOX W
ARTESIA NM 88211

INTERESTED PARTIES LIST (cont.)

48. HAMMOND DAVID G
PO BOX 1538
ARTESIA NM 88211

MAGNUM HUNTER PRODUCTION INC
600 E COLLEGE BLVD
IRVING TX 75039

MYCO INDUSTRIES INC
105 S 4TH ST
ARTESIA NM 88210

OXY Y-1 COMPANY
PO BOX 27570
HOUSTON TX 77227-7570

RAY WESTALL OPER INC
PO BOX 4
LOCO HILLS NM 88255

49. SILVERTON PETROLEUM INC
PO BOX 26
GRAHAM TX 76450

50. VINTAGE LEASE SERVICES LLC
PO BOX 248
ARTESIA NM 88211-0248

WESTALL RAY
PO BOX 4
LOCO HILLS NM 88255

51. WILKE LTD CO
703 S 18TH ST
ARTESIA NM 88210

YATES JOHN A
105 S 4TH ST
ARTESIA NM 88210

YATES PETRO CORP
105 S 4TH ST
ARTESIA NM 88210

NMNM-014775

EOG RESOURCES INC
PO BOX 4362
HOUSTON TX 77210-4362

MAGNUM HUNTER PRODUCTION INC
600 E COLLEGE BLVD
IRVING TX 75039

INTERESTED PARTIES LIST (cont.)

NMNM-035562

52. COON J D
PO BOX 2003
CASPER WY 86202
53. H&F INVESTMENTS
PO BOX 1837
ROSWELL NM 88201

NMNM-0437532

- ABO PETRO CORP
105 S 4TH ST
ARTESIA NM 88210
- CANNON EXPL CO
3608 S COUNTY ROAD 1184
MIDLAND TX 797066468
- DEVON ENERGY PROD CO LP
333 W SHERIDAN AVE
OKLAHOMA CITY OK 73102-5010
54. DOOLEY FLORENCE M
PO BOX G
ARTESIA NM 88210
- DUGGAN MARY D
10031 CEDAR CREEK
HOUSTON TX 77042
- EOG RESOURCES INC
PO BOX 2267
MIDLAND TX 79702
- HOLLYHOCK CORP
3907 CRESTGATE
MIDLAND TX 79707
55. JALAPENO CORP
PO BOX 1608
ALBUQUERQUE NM 87103
56. MARTIN YATES III ESTATE
105 S 4TH ST
ARTESIA NM 88210
- MYCO INDUSTRIES INC
207 S 4TH ST
ARTESIA NM 88210
57. NEARBURG EXPL CO LLC
3300 N A ST #120
MIDLAND TX 79705
- OXY Y-1 COMPANY
PO BOX 27570
HOUSTON TX 77227-7570

INTERESTED PARTIES LIST (cont.)

PATHFINDER EXPL CO
4306 CRESTGATE
MIDLAND TX 79707

PEGGY E YATES Q TRUST
105 S 4TH ST
ARTESIA NM 88210

58. PERKINS TERENCE P
7501 LYNWOOD NW
ALBUQUERQUE NM 87120

59. RIO PECOS CORP
110 W LOUISIANA #210
MIDLAND TX 79701

SACRAMENTO PARTNERS LP
105 S 4TH ST
ARTESIA NM 88210

SHARBRO ENERGY LLC
PO BOX 840
ARTESIA NM 88211-0840

TARA-JON CORP
6003 MEADOWVIEW DR
MIDLAND TX 79707

60. THE ROGER T ELLIOT FAMILY LP
4105 BAYBROOK DR
MIDLAND TX 79707

61. WILSON MARK D
4501 GREEN TREE BLVD
MIDLAND TX 79707

YATES INDUSTRIES LLC
PO BOX 1091
ARTESIA NM 88211-1091

YATES PETRO CORP
105 S 4TH ST
ARTESIA NM 88210

NMNM-017223

ARROWHEAD OIL CORP
PO BOX 548
ARTESIA NM 88210

CANNON EXPL CO
3608 S COUNTY ROAD 1184
MIDLAND TX 79706-6468

62. CHEVRON USA INC
PO BOX 1635
HOUSTON TX 77251

INTERESTED PARTIES LIST (cont.)

DEVON ENERGY PROD CO LP
333 W SHERIDAN AVE
OKLAHOMA CITY OK 73102-5010

63. DILLARD DARRELL M
415 W WALL #1510
MIDLAND TX 79701

ELLIOTT ROGER T
4105 BAYBROOK DR
MIDLAND TX 79707

EOG RESOURCES INC
PO BOX 4362
HOUSTON TX 77210-4362

64. FORAN OIL CO
8340 MEADOW RD #158
DALLAS TX 752313751

65. GIBSON RICHARD H
PO BOX 6238
LONGVIEW TX 75605-6238

66. LABRADOR OIL CO
400 N ST PAUL #400
DALLAS TX 75201

MAGNUM HUNTER PRODUCTION INC
5215 N O'CONNER BLVD #1500
IRVING TX 75039-3764

MYCO INDUSTRIES INC
207 S 4TH ST
ARTESIA NM 88210

67. OPAL INVESTMENT LTD PTNR
214 N BAY DR
BULLARD TX 75757

68. POWERS CAYCE JR TRST
370 ST PAUL ST
DENVER CO 80206

PREMIER OG INC
PO BOX 1246
ARTESIA NM 88210

TARA - JON CORP
6003 MEADOW VIEW LN
MIDLAND TX 79707

69. WILSON MARK D
4501 GREEN TREE BLVD
MIDLAND TX 79707

WILSON SCOTT E
4306 CRESTGATE
MIDLAND TX 79707

INTERESTED PARTIES LIST (cont.)

70. WOODARD JAMES B
3613 IMPERIAL
MIDLAND TX 79707

71. WOODARD & DILLARD PARTNERS
415 W WALL #1510
MIDLAND TX 79701

REGULATORY

NEW MEXICO OIL CONSERVATION DIVISION (FedEx'ed copy)
1220 St. Francis Drive
Santa Fe, NM 87505

NEW MEXICO OIL CONSERVATION DIVISION (FedEx'ed copy)
811 S. First St.
Artesia, NM 88210

C-108 - Item XIV

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ARTESIA NM 88211-1091

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105 S 4TH ST
ARTESIA NM 88210

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PO BOX 1246
ARTESIA NM 88210

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105 S 4TH ST
ARTESIA NM 88210

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Street, Apt. or PO Box
City, State
SHARBRO ENERGY LLC
PO BOX 840
ARTESIA NM 88211-0840

PS Form 3849 (Endorsement Required)

| | |
|--|---------|
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| Total Postage & Fees | \$ 5.75 |

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Street, Apt. or PO Box
City, State
SOROCO WELL SVC INC
BOX 27
BLOOMFIELD NM 87413

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| | |
|--|---------|
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| Total Postage & Fees | \$ 5.75 |

COMO TX 75401

Sent To
Street, Apt. or PO Box
City, State
TARA-JON CORP
6003 MEADOWVIEW DR
MIDLAND TX 79707

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| | |
|--|---------|
| Restricted Delivery Fee (Endorsement Required) | / |
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COMO TX 75401

C-108 - Item XIV

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| Restricted Delivery Fee (Endorsement Required) | | |
| Total Postage & Fees | \$ | 5.75 |

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Street, Apt. or PO Box
City, State, Zip
HOLLYHOCK CORP
3907 CRESTGATE
MIDLAND TX 79707

PS Form 3800 (Endorsement Required)

Total Postage & Fees \$ 5.75

2012 USPS

Sent To
Street, Apt. or PO Box
City, State, Zip
MYCO INDUSTRIES INC
105 S 4TH ST
ARTESIA NM 88210

PS Form 3800 (Endorsement Required)

Total Postage & Fees \$ 5.75

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Street, Apt. or PO Box
City, State, Zip
OXY Y-1 COMPANY
PO BOX 27570
HOUSTON TX 77227-7570

PS Form 3800 (Endorsement Required)

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Street, Apt. or PO Box
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PATHFINDER EXPL CO
4306 CRESTGATE
MIDLAND TX 79707

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Street, Apt. or PO Box
City, State, Zip
PEGGY A YATES ESTATE
105 S 4TH ST
ARTESIA NM 88210

PS Form 3800 (Endorsement Required)

Total Postage & Fees \$ 5.75

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| Restricted Delivery Fee (Endorsement Required) | | |
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Sent To
Street, Apt. or PO Box
City, State, Zip
WILSON MARK D
4501 GREEN TREE BLVD
MIDLAND TX 79707

PS Form 3800 (Endorsement Required)

Total Postage & Fees \$ 5.75

2012 USPS

Sent To
Street, Apt. or PO Box
City, State, Zip
WOODARD JAMES B
3613 IMPERIAL
MIDLAND TX 79707

PS Form 3800 (Endorsement Required)

Total Postage & Fees \$ 5.75

2012 USPS

Sent To
Street, Apt. or PO Box
City, State, Zip
DUGGAN MARY D
10031 CEDAR CREEK
HOUSTON TX 77042

PS Form 3800 (Endorsement Required)

Total Postage & Fees \$ 5.75

2012 USPS

Sent To
Street, Apt. or PO Box
City, State, Zip
EOG RESOURCES INC
PO BOX 4362
HOUSTON TX 77210-4362

PS Form 3800 (Endorsement Required)

Total Postage & Fees \$ 5.75

2012 USPS

Sent To
Street, Apt. or PO Box
City, State, Zip
HARVEY E YATES CO
1007 MARQUETTE NW
ALBUQUERQUE NM 87102

PS Form 3800 (Endorsement Required)

Total Postage & Fees \$ 5.75

2012 USPS

C-108 - Item XIV

Proof of Notice (Certified Mail Receipts - cont.)

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| Certified Fee | | ✓ |
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| Restricted Delivery Fee (Endorsement Required) | | |
| Total Postage & Fees | \$ | 5.75 |

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 Street, Apt. or PO Box
 City, State, ZIP+4®
 FORAN OIL CO
 8340 MEADOW RD #158
 DALLAS TX 752313751

PS Form 3800 (Endorsement Required)

Restricted Delivery Fee (Endorsement Required)

Total Postage & Fees \$ 5.75

Sent To
 Street, Apt. or PO Box
 City, State, ZIP+4®
 GIBSON RICHARD H
 PO BOX 6238
 LONGVIEW TX 75605-6238

PS Form 3800 (Endorsement Required)

Restricted Delivery Fee (Endorsement Required)

Total Postage & Fees \$ 5.75

Sent To
 Street, Apt. or PO Box
 City, State, ZIP+4®
 LABRADOR OIL CO
 400 N ST PAUL #400
 DALLAS TX 75201

PS Form 3800 (Endorsement Required)

Restricted Delivery Fee (Endorsement Required)

Total Postage & Fees \$ 5.75

Sent To
 Street, Apt. or PO Box
 City, State, ZIP+4®
 OPAL INVESTMENT LTD PTNR
 214 N BAY DR
 BULLARD TX 75757

PS Form 3800 (Endorsement Required)

Restricted Delivery Fee (Endorsement Required)

Total Postage & Fees \$ 5.75

Sent To
 Street, Apt. or PO Box
 City, State, ZIP+4®
 POWERS CAYCE JR TRST
 370 ST PAUL ST
 DENVER CO 80206

PS Form 3800 (Endorsement Required)

Restricted Delivery Fee (Endorsement Required)

Total Postage & Fees \$ 5.75

7010 1060 0001 4403 7150

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| Certified Fee | | ✓ |
| Return Receipt Fee (Endorsement Required) | | ✓ |
| Restricted Delivery Fee (Endorsement Required) | | |
| Total Postage & Fees | \$ | 5.75 |

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Sent To
 Street, Apt. or PO Box
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 THE ROGER T ELLIOT FAMILY LP
 4105 BAYBROOK DR
 MIDLAND TX 79707

PS Form 3800 (Endorsement Required)

Restricted Delivery Fee (Endorsement Required)

Total Postage & Fees \$ 5.75

Sent To
 Street, Apt. or PO Box
 City, State, ZIP+4®
 RIO PECOS CORP
 110 W LOUISIANA #210
 MIDLAND TX 79701

PS Form 3800 (Endorsement Required)

Restricted Delivery Fee (Endorsement Required)

Total Postage & Fees \$ 5.75

Sent To
 Street, Apt. or PO Box
 City, State, ZIP+4®
 WILSON MARK D
 4501 GREEN TREE BLVD
 MIDLAND TX 79707

PS Form 3800 (Endorsement Required)

Restricted Delivery Fee (Endorsement Required)

Total Postage & Fees \$ 5.75

Sent To
 Street, Apt. or PO Box
 City, State, ZIP+4®
 CHEVRON USA INC
 PO BOX 1635
 HOUSTON TX 77251

PS Form 3800 (Endorsement Required)

Restricted Delivery Fee (Endorsement Required)

Total Postage & Fees \$ 5.75

Sent To
 Street, Apt. or PO Box
 City, State, ZIP+4®
 DILLARD DARRELL M
 415 W WALL #1510
 MIDLAND TX 79701

PS Form 3800 (Endorsement Required)

Restricted Delivery Fee (Endorsement Required)

Total Postage & Fees \$ 5.75

C-108 - Item XIV

Proof of Notice (Certified Mail Receipts - cont.)

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| Certified Fee | / |
| Return Receipt Fee (Endorsement Required) | / |
| Restricted Delivery Fee (Endorsement Required) | / |
| Total Postage & Fees | \$ 5.75 |

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Sent To
Street, Apt. or PO Box
City, State

DOOLEY FLORENCE M
PO BOX G
ARTESIA NM 88210

PS Form 381 (Endorsement Required)

Total Postage & Fees \$ 5.75

Sent To
Street, Apt. or PO Box
City, State

JALAPENO CORP
PO BOX 1608
ALBUQUERQUE NM 87103

PS Form 381 (Endorsement Required)

Total Postage & Fees \$ 5.75

Sent To
Street, Apt. or PO Box
City, State

MARTIN YATES III ESTATE
105 S 4TH ST
ARTESIA NM 88210

PS Form 381 (Endorsement Required)

Total Postage & Fees \$ 5.75

Sent To
Street, Apt. or PO Box
City, State

NEARBURG EXPL CO LLC
3300 N A ST #120
MIDLAND TX 79705

PS Form 381 (Endorsement Required)

Total Postage & Fees \$ 5.75

Sent To
Street, Apt. or PO Box
City, State

PERKINS TERENCE P
7501 LYNWOOD NW
ALBUQUERQUE NM 87120

PS Form 381 (Endorsement Required)

Total Postage & Fees \$ 5.75

7010 1060 0001 4403 7264

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| OFFICIAL USE | |
| Postage | \$ / |
| Certified Fee | / |
| Return Receipt Fee (Endorsement Required) | / |
| Restricted Delivery Fee (Endorsement Required) | / |
| Total Postage & Fees | \$ 5.75 |

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Sent To
Street, Apt. or PO Box
City, State

SILVERTON PETROLEUM INC
PO BOX 26
GRAHAM TX 76450

PS Form 381 (Endorsement Required)

Total Postage & Fees \$ 5.75

Sent To
Street, Apt. or PO Box
City, State

VINTAGE LEASE SERVICES LLC
PO BOX 248
ARTESIA NM 88211-0248

PS Form 381 (Endorsement Required)

Total Postage & Fees \$ 5.75

Sent To
Street, Apt. or PO Box
City, State

WILKE LTD CO
703 S 18TH ST
ARTESIA NM 88210

PS Form 381 (Endorsement Required)

Total Postage & Fees \$ 5.75

Sent To
Street, Apt. or PO Box
City, State

COON J D
PO BOX 2003
CASPER WY 86202

PS Form 381 (Endorsement Required)

Total Postage & Fees \$ 5.75

Sent To
Street, Apt. or PO Box
City, State

H&F INVESTMENTS
PO BOX 1837
ROSWELL NM 88201

PS Form 381 (Endorsement Required)

Total Postage & Fees \$ 5.75

C-108 - Item XIV

Proof of Notice (Certified Mail Receipts - cont.)

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| Postage | \$ <u>5.75</u> |
| Certified Fee | |
| Return Receipt Fee (Endorsement Required) | |
| Restricted Delivery Fee (Endorsement Required) | |
| Total Postage & Fees | \$ <u>5.75</u> |

Postmark Here
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| | |
|--|--|
| Sent To | CANNON EXPL CO 3608 S COUNTY ROAD 1184 MIDLAND TX 79706-6468 |
| PS Form 3800 (Endorsement Required) | |
| Total Postage & Fees | \$ <u>5.75</u> |

Postmark Here
NOV 2 2012
COMO TX 75431
USPS

| | |
|--|---|
| Sent To | CIBOLA ENERGY CORP PO BOX 1668 ALBUQUERQUE NM 87103 |
| PS Form 3800 (Endorsement Required) | |
| Total Postage & Fees | \$ <u>5.75</u> |

Postmark Here
NOV 2 2012
COMO TX 75431
USPS

| | |
|--|--|
| Sent To | WOODARD & DILLARD PARTNERS 415 W WALL #1510 MIDLAND TX 79701 |
| PS Form 3800 (Endorsement Required) | |
| Total Postage & Fees | \$ <u>5.75</u> |

Postmark Here
NOV 2 2012
COMO TX 75431
USPS

| | |
|--|---|
| Sent To | FROSTMAN OIL CORP PO BOX W ARTESIA NM 88211 |
| PS Form 3800 (Endorsement Required) | |
| Total Postage & Fees | \$ <u>5.75</u> |

Postmark Here
NOV 2 2012
COMO TX 75431
USPS

| | |
|--|--|
| Sent To | HAMMOND DAVID G PO BOX 1538 ARTESIA NM 88211 |
| PS Form 3800 (Endorsement Required) | |

7010 1060 0001 4403 6946

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| OFFICIAL USE | |
| Postage | \$ <u>5.75</u> |
| Certified Fee | |
| Return Receipt Fee (Endorsement Required) | |
| Restricted Delivery Fee (Endorsement Required) | |
| Total Postage & Fees | \$ <u>5.75</u> |

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| | |
|--|---|
| Sent To | JKM ENE LLC 26 EAST COMPRESS RD. ARTESIA NM 88210 |
| PS Form 3800 (Endorsement Required) | |
| Total Postage & Fees | \$ <u>5.75</u> |

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| | |
|--|--|
| Sent To | EGL RESOURCES INC P. O. BOX 10886 MIDLAND TX 79702 |
| PS Form 3800 (Endorsement Required) | |
| Total Postage & Fees | \$ <u>5.75</u> |

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USPS

| | |
|--|--|
| Sent To | ABO PETRO CORP 105 S 4TH ST ARTESIA NM 88210 |
| PS Form 3800 (Endorsement Required) | |
| Total Postage & Fees | \$ <u>5.75</u> |

Postmark Here
NOV 2 2012
COMO TX 75431
USPS

| | |
|--|--|
| Sent To | ARROWHEAD OIL CORP PO BOX 548 ARTESIA NM 88210 |
| PS Form 3800 (Endorsement Required) | |
| Total Postage & Fees | \$ <u>5.75</u> |

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| | |
|--|--|
| Sent To | BURLINGTON RSCS O&G CO LP PO BOX 4289 FARMINGTON NM 87499-4289 |
| PS Form 3800 (Endorsement Required) | |

C-108 - Item XIV

Proof of Notice (Certified Mail Receipts - cont.)

7009 2250 0002 8162 9904

7009 2250

7009 2250

7009 2250

7009 2250

7010 1060

7010 1060

7010 1060

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|---|--------|
| Postage | \$ / |
| Certified Fee | / |
| Return Receipt Fee (Endorsement Required) | / |
| Restricted Delivery Fee (Endorsement Required) | |
| Total Postage & Fees | \$ 575 |

Postmark Here
COMO TX 75431
NOV 2 2012
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Sent To
Street, Apt. or PO Box
City, State

WESTMORELAND TODD E
PO BOX 10107
MIDLAND TX 79702

PS Form 3849
(Endorsement Required)

Total Postage & Fees \$ 575

Sent To
Street, Apt. or PO Box
City, State

WILSON SCOTT E
PO BOX 50250
MIDLAND TX 79710

PS Form 3849
(Endorsement Required)

Total Postage & Fees \$ 575

Sent To
Street, Apt. or PO Box
City, State

WYNN-TEXAS COMM TRST
500 W ILLINOIS
MIDLAND TX 79701

PS Form 3849
(Endorsement Required)

Total Postage & Fees \$ 575

Sent To
Street, Apt. or PO Box
City, State

YATES PETRO CORP
105 S 4TH ST
ARTESIA NM 88210

PS Form 3849
(Endorsement Required)

Total Postage & Fees \$ 575

Sent To
Street, Apt. or PO Box
City, State

CROSSLAND OPER LLC
7830 STANFORD AVENUE
DALLAS, TX 75225-8208

PS Form 3849
(Endorsement Required)

7009 2250 0002 8162 9959

7009 2250

7009 2250

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|---|--------|
| Postage | \$ / |
| Certified Fee | / |
| Return Receipt Fee (Endorsement Required) | / |
| Restricted Delivery Fee (Endorsement Required) | |
| Total Postage & Fees | \$ 575 |

Postmark Here
COMO TX 75431
NOV 2 2012
USPS

Sent To
Street, Apt. or PO Box
City, State

SHIFFLETT OPER CO
214 WEST TEXAS #900
MIDLAND TX 79701

PS Form 3849
(Endorsement Required)

Total Postage & Fees \$ 575

Sent To
Street, Apt. or PO Box
City, State

SILVERTON PETROLEUM INC
PO BOX 26
GRAHAM TX 76450

PS Form 3849
(Endorsement Required)

Total Postage & Fees \$ 575

Sent To
Street, Apt. or PO Box
City, State

SIVLEY TRUST
BOX 26900
ALBUQUERQUE NM 87125

PS Form 3849
(Endorsement Required)

Total Postage & Fees \$ 575

Sent To
Street, Apt. or PO Box
City, State

SOUTHWEST ROYALTIES INC
#6 DESTA DR #2100
MIDLAND TX 79705

PS Form 3849
(Endorsement Required)

Total Postage & Fees \$ 575

Sent To
Street, Apt. or PO Box
City, State

TRIGG OIL & GAS LP
PO BOX 520
ROSWELL NM 88202

PS Form 3849
(Endorsement Required)

C-108 - Item XIV

Proof of Notice (Certified Mail Receipts - cont.)

7009 2250 0002 8163 0009

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| OFFICIAL USE | |
| Postage | \$ / |
| Certified Fee | / |
| Return Receipt Fee (Endorsement Required) | / |
| Restricted Delivery Fee (Endorsement Required) | / |
| Total Postage & Fees | \$ 575 |
| Sent To Street, Apt. or PO Box City, State PS Form (Endorsement Required) | |
| MACK C CHASE TRUSTEE PO BOX 693 ARTESIA NM 88210 | |
| Total Postage & Fees | \$ 575 |
| Sent To Street, Apt. or PO Box City, State PS Form (Endorsement Required) | |
| MACK ENERGY CORP PO BOX 960 ARTESIA NM 88211 | |
| Total Postage & Fees | \$ 575 |
| Sent To Street, Apt. or PO Box City, State PS Form (Endorsement Required) | |
| MAGNUM HUNTER PROD INC 600 E COLLEGE BLVD IRVING TX 75039 | |
| Total Postage & Fees | \$ 575 |
| Sent To Street, Apt. or PO Box City, State PS Form (Endorsement Required) | |
| MEC PETROLEUM CORP PO BOX 11265 MIDLAND TX 79702 | |
| Total Postage & Fees | \$ 575 |
| Sent To Street, Apt. or PO Box City, State PS Form (Endorsement Required) | |
| MURCHISON OIL & GAS INC 1100 MIRA VISTA BLVD PLANO TX 75093-4698 | |

7009 2250 0002 8162 8075

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| OFFICIAL USE | |
| Postage | \$ / |
| Certified Fee | / |
| Return Receipt Fee (Endorsement Required) | / |
| Restricted Delivery Fee (Endorsement Required) | / |
| Total Postage & Fees | \$ 575 |
| Sent To Street, Apt. or PO Box City, State PS Form (Endorsement Required) | |
| BARR RICHARD 500 N LORAIN #1070 MIDLAND TX 79701 | |
| Total Postage & Fees | \$ 575 |
| Sent To Street, Apt. or PO Box City, State PS Form (Endorsement Required) | |
| BRADFORD BARRY LEE PO BOX 600070 DALLAS TX 75360 | |
| Total Postage & Fees | \$ 575 |
| Sent To Street, Apt. or PO Box City, State PS Form (Endorsement Required) | |
| DEVON ENERGY PROD CO LP 333 W SHERIDAN AVE OKC OK 73102-5010 | |
| Total Postage & Fees | \$ 575 |
| Sent To Street, Apt. or PO Box City, State PS Form (Endorsement Required) | |
| DURANGO PROD CORP 4301 MAPLEWOOD #500 WICHITA FALLS TX 76308 | |
| Total Postage & Fees | \$ 575 |
| Sent To Street, Apt. or PO Box City, State PS Form (Endorsement Required) | |
| HINKLE HARRY B PO BOX 8805 MIDLAND TX 79708 | |

C-108 - Item XIV

Proof of Notice (Certified Mail Receipts - cont.)

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| Postage | \$ / |
| Certified Fee | / |
| Return Receipt Fee (Endorsement Required) | / |
| Restricted Delivery Fee (Endorsement Required) | / |
| Total Postage & Fees | \$ 575 |

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| Sent To | |
|---------------------------|-----------------------|
| Street, Apt. or PO Box | ATLANTIC RICHFIELD CO |
| City, State | PO BOX 2819 |
| | DALLAS TX 75221 |

PS Form 3849, June 2009

Injection Permit Checklist (11/15/2010)

WFX _____ PMX _____ SWD 1368 Permit Date 12/2/12 UIC Qtr (0/IV/D)

Wells 1 Well Name(s): EMPIRE "A" Federal #2

API Num: 30-0 15-29618 ~~SPUD~~ 12/10/04 1997 New/Old: N (UIC primacy March 7, 1982)

Footages 1650 FNL/660 FEL Unit H Sec 27 Tsp 18S Rge 29E County EDDY

General Location: SW of Low Hills

Operator: Roy Westall Oper Inc Contact Ban Stone / Donnie Mathews

OGRID: 119305 RULE 5.9 Compliance (Wells) ACOF (Finan Assur) OK IS 5.9 OK? ASAP OK

Well File Reviewed ✓ Current Status: WAS PEAKED THEN RE-ENTERED

Planned Work to Well: SQZ to Raise CMT, PLUG BACK, Perf, Run TBS, INJ.

Diagrams: Before Conversion ✓ After Conversion ✓ Elogs in Imaging File: ✓

| Well Details: | | Sizes Hole.....Pipe | Setting Depths | Stage Tool | Cement Sx or Cf | Cement Top and Determination Method |
|---------------|----------|------------------------|------------------------|------------------|--------------------|--|
| New | Existing | <u>Surface</u> | <u>17 1/2 - 13 3/8</u> | <u>330'</u> | <u>365" C"</u> | <u>CIRC</u> |
| New | Existing | <u>Interm</u> | <u>12 1/4 - 8 5/8</u> | <u>3200'</u> | <u>1335" C"</u> | <u>CIRC</u> |
| New | Existing | <u>LongSt</u> | <u>7 1/8 - 5 1/2</u> | <u>11630' ID</u> | <u>250 H</u> | <u>10500' C</u> |
| New | Existing | <u>Liner</u> | <u>11404'</u> | | | <u>16416</u> |
| New | Existing | <u>OpenHole</u> | <u>4'</u> | | | <u>1</u> |

| Depths/Formations: | | Depths, Ft. | Formation | Tops? |
|--------------------|--|--------------|---------------------------|---|
| Formation(s) Above | | <u>8788</u> | <u>WC</u> | <u>✓</u> |
| Injection TOP: | | <u>8788</u> | <u>WC</u> | Max. PSI <u>1758</u> OpenHole <u>Perfs</u> <u>✓</u> |
| Injection BOTTOM: | | <u>9950</u> | <u>CISCO Conglomerate</u> | Tubing Size <u>2 3/8</u> Packer Depth <u>8690</u> |
| Formation(s) Below | | <u>99210</u> | <u>Penn</u> | <u>✓</u> |
| | | <u>9950</u> | <u>STRAWN</u> | <u>✓</u> |

Capitan Rock? ✓ (Polash? ✓ Noticed? ✓) (WIPR? ✓ Noticed? ✓) Salado Top/Bot 350'-800' Oil House? ✓

Fresh Water: Depths: 250' Formation alluvial Wells? yes - 4 Analysis? No Affirmative Statement Industrial

Disposal Fluid Analysis? Sources: SAN Antonio, Del, Motion

Disposal Interval: Analysis? Carbon Production Potential/Testing: 5

Notice: Newspaper Date 8/30/12 Surface Owner BLM Mineral Owner(s) _____

RULE 26.7(A) Affected Persons: See LIST (11/2/12)

AOR: Maps? ✓ Well List? ✓ Producing in Interval? NO Wellbore Diagrams? _____

.....Active Wells 1 Repairs? 0 Which Wells? _____

.....P&A Wells 2 Repairs? _____ Which Wells? _____

Issues: Gos in Penn? Run in Survey Request Sent _____ Reply: _____