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| DATE IN <u>10.12.10</u> | SUSPENSE | ENGINEER <u>Tw</u> | LOGGED IN <u>10.12.10</u> | TYPE <u>WFX</u> | APP NO. <u>1028558112</u> |
|-------------------------|----------|--------------------|---------------------------|-----------------|---------------------------|

ABOVE THIS LINE FOR DIVISION USE ONLY

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



PTG-W
CFM Oil Co.
 RECEIVED OOD (3322)

2010 OCT 12 A 10:20

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 Re-instatement of Injection Authority

3, WFX - 450

[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.

David Catanach
 Print or Type Name

David Catanach
 Signature

10/8/2010
 Date

Agent for C F M Oil Co. dba
Louis and Judy Fulton
 Title
drcatanach@netscape.com
 E-Mail Address

October 8, 2010

Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Attention: Mr. Mark E. Fesmire, Director

HAND DELIVERED

Re: Form C-108
C F M Oil Co. dba Louis and Judy Fulton
DeKalb Federal Wells No. 1 & 3
Federal "E" Well No. 3
Square Lake Grayburg-San Andres Pool (57570)
Eddy County, New Mexico

Dear Mr. Fesmire,

Enclosed please find a Division Form C-108 (Application for Authorization to Inject) to re-activate the previously-approved DeKalb Federal Wells No. 1 and 3, and the Federal "E" Well No. 3, currently operated by C F M Oil Co. dba Louis and Judy Fulton. Division Order No. R-2609 dated December 6, 1963 approved secondary recovery operations within the Square Lake "31" Unit Area ("Unit Area"). The Unit Area was established by Division Order No. R-2608 dated December 6, 1963. The subject waterflood project has subsequently been expanded during the life of the project by Division Order No. WFX-450 dated May 6, 1977. C F M Oil Co. dba Louis & Judy Fulton proposes to reactivate the DeKalb Federal Wells No. 1 & 3 and the Federal "E" Well No. 3 as injection wells in order to complete an efficient production/injection pattern within the Unit Area. These wells are located in Section 31, Township 16 South, Range 30 East, NMPM, Eddy County, New Mexico.

All the required information is enclosed. If additional information is needed, please contact me at (505) 690-9453.

Sincerely,



David Catanach
Agent for C F M Oil Co. dba Louis and Judy Fulton
P.O. Box 1176
Artesia, New Mexico 88210

WF 4-450

Xc: OCD-Artesia

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ Yes ☐ No
- II. OPERATOR: C F M Oil Co. dba Louis and Judy Fulton
ADDRESS: P.O. Box 1176 Artesia, New Mexico 88210
CONTACT PARTY: Mr. David Catanach PHONE: (505) 690-9453
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☒ Yes* ☐ No
If yes, give the Division order number authorizing the project: R-2609 dated 12/6/63. Also see WFX-450 dated 5/6/77.
* Application is for re-instatement of injection authority previously granted by R-2609 and/or WFX-450.
- 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: David Catanach TITLE: Agent for C F M Oil Co. dba Louis and Judy Fulton
SIGNATURE: David Catanach DATE: 10/8/2010
E-MAIL ADDRESS: drcatanach@netscape.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: _____
- DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

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

C-108 Application
C F M Oil Co. dba Louis and Judy Fulton
Dekalb Federal Wells No. 1 & 3 and Federal "E" No. 3
Section 31, T-16S, R-30E, NMPM
Eddy County, New Mexico

- I. The purpose of the application is to request approval to re-activate three injection wells within an approved secondary recovery project in order to complete an efficient injection/production pattern.
- II. C F M Oil Co. dba Louis and Judy Fulton
P.O. Box 1176
Artesia, New Mexico 88210
Contact Party: Mr. David Catanach (505) 690-9453
- III. Injection well data sheets and wellbore diagrams for each injection well are attached showing the current wellbore configurations.
- IV. This is an application to re-activate the Dekalb Federal Wells No. 1 & 3 and the Federal "E" No. 3. These wells were initially permitted for injection by Division Order No. R-2609 dated 12/6/1963 and/or WFX-450 dated 5/6/1977. Division Order No. R-2609 authorized secondary recovery operations within the Premier Sand of the Grayburg formation (Square Lake Grayburg-San Andres Pool) in the Square Lake "31" Unit Area comprising the S/2 NE/4, E/2 NW/4 and S/2 of Section 31, T-16 South, R-30 East, NMPM. The Square Lake "31" Unit Area was approved by Division Order No. R-2608 dated 12/6/1963. **By letter dated August 4, 2009, the Division notified C F M Oil Co. dba Louis and Judy Fulton that pursuant to Rule 19.15.26.12(C)(1) NMAC, the injection authority for the subject wells has terminated due to the fact that there was a period of one year or longer of non-injection into the wells (copy attached.)**
- V. Enclosed are maps that identify all wells/leases within a 2-mile radius of the proposed injection wells and a map that identifies the ½ mile "Area of Review" ("AOR").
- VI. AOR well data is attached. Well construction data is included for all existing wells within the AOR. Also included are wellbore diagrams for each PA'd well within the AOR. An examination of this data indicates that all AOR wells are adequately cased, cemented and/or plugged and abandoned in order to preclude the movement of fluid from the injection zone into other formations or fresh water aquifers.
- VII. 1. The average injection rate is anticipated to be approximately 300

BWPD/Well. The maximum rate will be approximately 500 BWPD/Well. If the average or maximum rates increase in the future, the Division will be notified.

2. This will be a closed system.
3. C F M Oil Co. dba Louis and Judy Fulton will initially inject water into the proposed injection wells at a surface pressure that is in compliance with the Division's limit of 0.2 psi/ft. Subsequent to obtaining approval for injection, step rate injection tests may be conducted in order to obtain a higher surface injection pressure. It is anticipated that as a result of the step rate tests, the maximum surface injection pressures may be as high as 1,200 psi.
4. Produced water from the Square Lake Grayburg-San Andres Pool originating from wells within the project area will be re-injected into the subject injection wells.
5. Injection is to occur into a formation that is oil productive.

VIII. Geologic Age: Permian
 Geologic Name: Grayburg formation
 Average Thickness: 200-300 feet (Gross)
 Lithology: Sandstone
 Measured Depth: 2,500'-2,800'
 USDW's: According to OCD-Artesia, fresh water is very
 spotty in this area and, if present, is found at depths
 from 250'-300'

IX. No stimulation is planned, however, should a stimulation treatment become necessary due to skin damage, poor reservoir quality, reservoir heterogeneities, scale formation, etc., then a mild 7 ½% NEFE HCL treatment with the appropriate additives will likely be used at a volume of 50 to 100 gal/ft. of perforated or open hole interval.

X. Logs were filed at the time of drilling.

XI. According to data obtained from the New Mexico Office of the State Engineer (enclosed), there are no fresh water wells within a mile radius of the Dekalb Federal Wells No. 1 & 3 and the Federal "E" No. 3.

XII. Affirmative statement is enclosed.

XIII. Proof of Notice is enclosed.

New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson
Governor

Joanna Prukop
Cabinet Secretary

Mark Fesmire
Division Director
Oil Conservation Division



August 4, 2009

Louis and Judy Fulton
d/b/a CFM Oil Co.
P.O. Box 1176
Artesia, NM 88210

- (3322)

888-580-5255

Certified Mail No.: 7002 0510 0003 5125 1969

FORMAL NOTICE OF LOSS OF INJECTION AUTHORITY **OPERATOR REQUIRED TO CEASE AND DESIST INJECTION**

Re: DeKalb Federal #001, 30-015-03950
DeKalb Federal #003, 30-015-03952
Federal E #003, 30-015-03960

Dear Mr. and Mrs. Fulton:

The purpose of this letter is to give you formal notice that your authority to inject into the wells identified above has been terminated. **You must immediately cease and desist injecting into these wells.**

19.15.26.12(C)(1) NMAC provides:

"Whenever there is a continuous one year period of non-injection into all wells in an injection or storage project or into a salt water disposal well or special purpose injection well, the division shall consider the project or well abandoned, and the authority for injection shall automatically terminate ipso facto."

19.15.26.12(C)(2) NMAC provides:

For good cause shown, the director may grant an administrative extension or extensions of injection authority as an exception to Paragraph (1) of Subsection C of 19.15.26.12 NMAC, provided that any such extension

Oil Conservation Division

1220
Phone (505)

Form C-108: Square Lake "31" WF
C F M Oil Co. dba Louis & Judy Fulton
OCD Letter Terminating Injection
Authority

87505
ite.nm.us/OCD



August 4, 2009

Page 2

may be granted only prior to the end of one year or [sic] continuous non-injection, or during the term of a previously granted extension.

The wells identified above were included in a waterflood project in the Square Lake Unit Area, in Section 31, Township 16 South, Range 30 East. See Case No. 2940, Order No. R-2609, attached. A search of injection reports for Section 31, Township 16 South, Range 30 East shows that no injection was reported for a 7-year period from 1995 to 2001. A copy of the production/injection search result is attached. The Oil Conservation Division (OCD) has not found any administrative extensions of the injection authority for this project.

By operation of 19.15.26.12(C)(1) NMAC, the waterflood authorized under Order No. R-2609 has been abandoned, and the authority for injection into wells in the waterflood has automatically terminated. No extension can be granted now. If you wish to operate a waterflood in this area you will need to apply for a new permit under 19.15.26.8 NMAC.

You have reported injection in the wells identified above since the automatic termination of injection authority. All injection into these wells must cease immediately. By copy of this letter, I am notifying the Artesia District Office that your injection authority for these wells has been terminated. Artesia District Office inspectors will be checking the wells to determine if they are continuing to inject.

If you continue to inject into these wells without authority the OCD intends to take further enforcement action. The OCD may seek an administrative order requiring you to plug the wells under NMSA 1978, Section 70-2-14(B), and authority for the state to plug the wells if you do not do so. Or the OCD may seek an order from District Court pursuant to NMSA 1978, Section 70-2-28 enjoining you from injecting into the identified wells and assessing penalties under NMSA 1978, Section 70-2-31(A) for the knowing and willful violation of 19.15.26.12 (C)(1).

If you disagree with the OCD's conclusion that the waterflood has been abandoned and that the authority to inject has been terminated, please provide documentary proof that there has not been a period of one year of non-injection, or that you are operating under an administrative extension of injection authority.

Sincerely,



Daniel Sanchez

Underground Injection Control Director for the State of New Mexico

Attachments: Order No. R-2609
 Injection report summary for S31-T16S-R30E

Ec: Randy Dade, Supervisor, Artesia District Office

INJECTION WELL DATA SHEET

OPERATOR: C F M Oil Co. DBA Louis & Judy Fulton

WELL NAME & NUMBER: Dekalb Federal No. 1

WELL LOCATION: 660' FSL & 660' FEL P 31 16 South 30 East

FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

See Attached Wellbore Schematic

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 10 3/4" Casing Size: 8 5/8" @ 572'

Cemented with: 50 Sx. or ft³

Top of Cement: 367' Method Determined: Calculated

Intermediate Casing

Hole Size: Casing Size:

Cemented with: or ft³

Top of Cement: Method Determined:

Production Casing

Hole Size: 7 1/2" Casing Size: 5 1/2" @ 2,832'

Cemented with: 50 Sx. or ft³

Top of Cement: 2507' Method Determined: Calculated

Total Depth: 2,834' PBTD:

Injection Interval

Grayburg Formation: 2,639'-2,809' Perforated

INJECTION WELL DATA SHEET

Tubing Size: 2" Lining Material: Internally Plastic Coated

Type of Packer: Baker Tension Packer

Packer Setting Depth: 2,605' or within 100' of the perforated injection interval

Other Type of Tubing/Casing Seal (if applicable): None

Additional Data

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

If no, for what purpose was the well originally drilled: Well was drilled in 1958 as a Grayburg producing well.

2. Name of the Injection Formation: Grayburg

3. Name of Field or Pool (if applicable): Square Lake Grayburg-San Andres Pool (57570)

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

None

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

Division records show that within Section 31, T-16S, R-30E, the Henshaw-Morrow Gas Pool (97149) is present at a depth of approximately 10,700'-10,800'

C F M Oil Co. Db a Louis & Judy Fulton

Dekalb Federal No. 1

API No. 30-015-03950

660' FSL & 660' FEL (Unit P)

Section 31, T-16 South, R-30 East, NMPM

Eddy County, New Mexico

Date Drilled: March, 1958

10 3/4" Hole; Set 8 5/8" 26# Csg. @ 572'

Cemented w/50 Sx. Regular

TOC @ 367' by calculation

$$2 \times 2639 = 530$$

TOC @ 2,507'

2" IPC tubing set in a

Baker Tension Packer @ 2,605'

Injection Interval: 2,639'-2,809' (Perforated)

7 1/2" Hole; Set 5 1/2" 14# Csg. @ 2,832'

Cemented w/50 Sx. Regular

TOC @ 2,507' by calculation

T.D. - 2,834'

INJECTION WELL DATA SHEET

OPERATOR: C F M Oil Co. DBA Louis & Judy Fulton

WELL NAME & NUMBER: Dekalb Federal No. 3

WELL LOCATION: 1980' FSL & 1980' FEL J 31 16 South 30 East
FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

See Attached Wellbore Schematic

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 10 3/4" Casing Size: 8 5/8" @ 467'
Cemented with: 50 Sx. or ft³

Top of Cement: 262' Method Determined: Calculated

Intermediate Casing

Hole Size: Casing Size:
Cemented with: or ft³

Top of Cement: Method Determined:

Production Casing

Hole Size: 7 1/2" Casing Size: 5 1/2" @ 2,788'
Cemented with: 150 Sx. or ft³

Top of Cement: 1,811' Method Determined: Calculated
Total Depth: 2,791' PBTD:

Injection Interval

Grayburg Formation: 2,603'-2,785' Perforated

INJECTION WELL DATA SHEET

Tubing Size: 2" Lining Material: Internally Plastic Coated

Type of Packer: Baker Tension Packer

Packer Setting Depth: 2,580' or within 100' of the perforated injection interval

Other Type of Tubing/Casing Seal (if applicable): None

Additional Data

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

If no, for what purpose was the well originally drilled: Well was drilled in 1958 as a Grayburg producing well.

2. Name of the Injection Formation: Grayburg

3. Name of Field or Pool (if applicable): Square Lake Grayburg-San Andres Pool (57570)

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

None

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

Division records show that within Section 31, T-16S, R-30E, the Henshaw-Morrow Gas Pool (97149) is present at a depth of approximately 10,700' - 10,800'

C F M Oil Co. Dba Louis & Judy Fulton

Dekalb Federal No. 3

API No. 30-015-03952

1980' FSL & 1980' FEL (Unit J)

Section 31, T-16 South, R-30 East, NMPM

Eddy County, New Mexico

Date Drilled: July, 1958

10 3/4" Hole; Set 8 5/8" 32# Csg. @ 467'

Cemented w/50 Sx. Regular

TOC @ 262' by calculation

TOC @ 1,811'

**2" IPC tubing set in a
Baker Tension Packer @ 2,580'**

Injection Interval: 2,603'-2,785' (Perforated)

7 1/2" Hole; Set 5 1/2" 14# Csg. @ 2,788'

Cemented w/150 Sx. Regular

TOC @ 1,811' by calculation

T.D. - 2,791'

$$12 \times 2603 = 520$$

INJECTION WELL DATA SHEET

OPERATOR: CFM Oil Co. DBA Louis & Judy Fulton

WELL NAME & NUMBER: Federal "E" No. 3

WELL LOCATION: 1980' FNL & 1977' FWL F 31 16 South 30 East

FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE

WELLBORE SCHEMATIC

See Attached Wellbore Schematic

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 13 3/8" (Assumed) Casing Size: 10 3/4" @ 535'

Cemented with: 75 Sx. or ft³

Top of Cement: 324' Method Determined: Calculated

Intermediate Casing

Hole Size: Casing Size:

Cemented with: or ft³

Top of Cement: Method Determined:

Production Casing

Hole Size: 7 7/8" (Assumed) Casing Size: 5 1/2" @ 2,722'

Cemented with: 90 Sx. or ft³

Top of Cement: 2,242' Method Determined: Calculated

Total Depth: 2,753' PBTD:

Injection Interval

Grayburg Formation: 2,722'-2,753' Open-Hole

INJECTION WELL DATA SHEET

Tubing Size: 2" Lining Material: Internally Plastic Coated

Type of Packer: Baker Tension Packer

Packer Setting Depth: 2,689' or within 100' of the open-hole injection interval

Other Type of Tubing/Casing Seal (if applicable): None

Additional Data

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

If no, for what purpose was the well originally drilled: Well was drilled in 1959 as a Grayburg producing well.

2. Name of the Injection Formation: Grayburg

3. Name of Field or Pool (if applicable): Square Lake Grayburg-San Andres Pool (57570)

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

None

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

Divison records show that within Section 31, T-16S, R-30E, the Henshaw-Morrow Gas Pool (97149) is present at a depth of approximately 10,700' - 10,800'

C F M Oil Co. Dba Louis & Judy Fulton

Federal 'E' No. 3

API No. 30-015-03960

1980' FNL & 1977' FWL (Unit F)

Section 31, T-16 South, R-30 East, NMPM

Eddy County, New Mexico

Date Drilled: February, 1959

**13 3/8" Hole (Assumed); Set 10 3/4" 32#
Csg. @ 535' Cemented w/75 Sx. Regular
TOC @ 324' by calculation**

2722 x .2 = 545

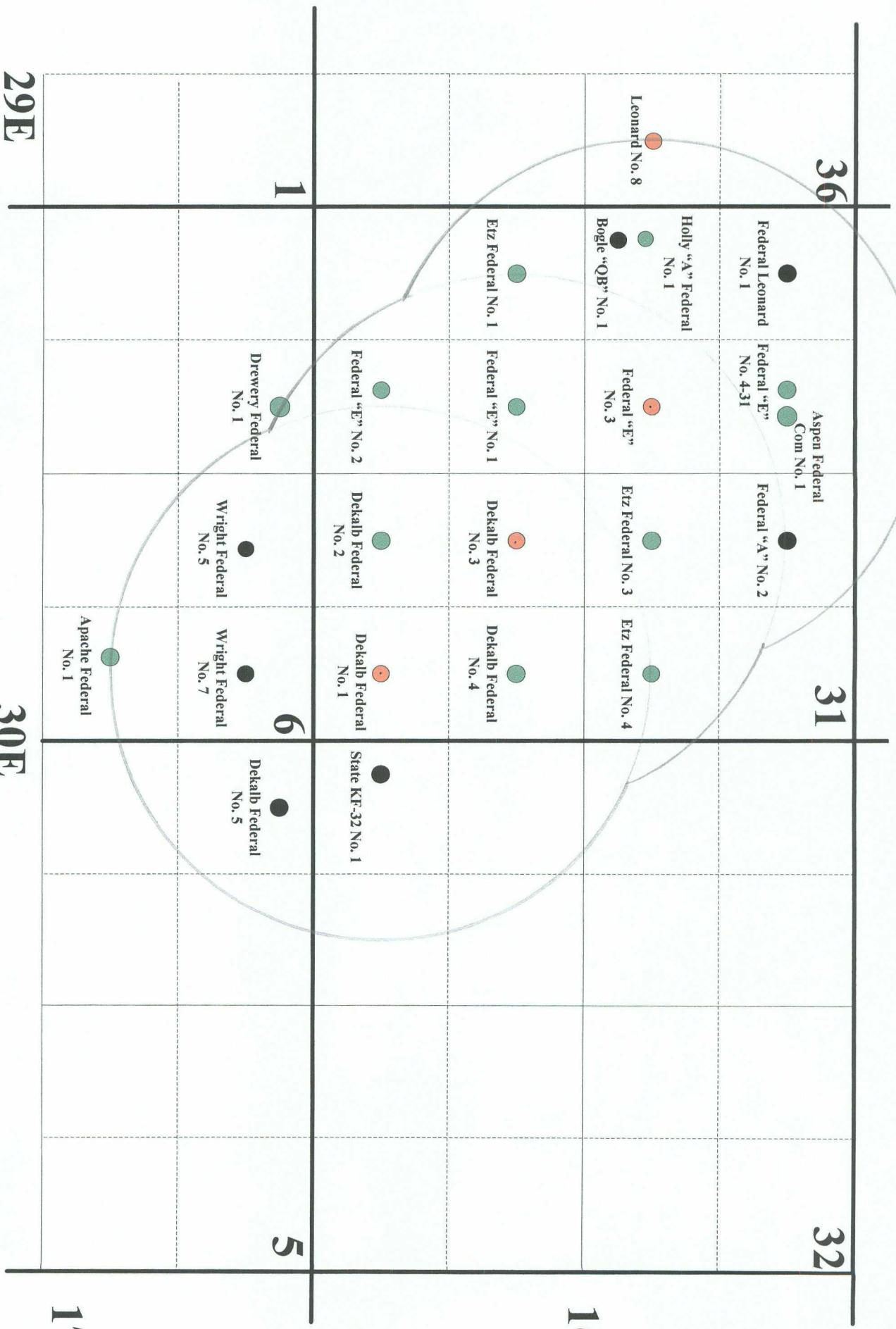
TOC @ 2,242'

**2" IPC tubing set in a
Baker Tension Packer @ 2,689'**

**7 7/8" Hole (Assumed); Set 5 1/2" 14# Csg. @
2,722' Cemented w/90 Sx. Regular
TOC @ 2,242' by calculation**

Injection Interval: 2,722'-2,753' (Open-Hole)

T.D. - 2,753'



C F M Oil Co. dba Louis and Judy Fulton

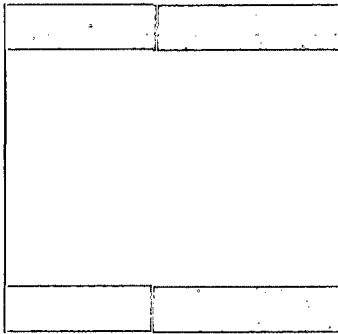
Form C-108; Dekalb Federal Wells No. 1 & 3 & Federal "E" No. 3

1/2 Mile Area-of-Review Map

- Injection Well
- Producing Well
- PA'd Well

C F M OIL COMPANY DBA LOUIS AND JUDY FULTON
AREA OF REVIEW WELL DATA
DEKALB FEDERAL WELLS NO. 1 & 3 AND FEDERAL "E" No. 3

| API NUMBER | OPERATOR | LEASE NAME | WELL NO. | WELL TYPE | STATUS | FTG. MS | FTG. E/W | UNIT | SEC. | TSHP | RNG. | DATE | TOTAL DEPTH | HOLE SIZE | CSG. SIZE | SET AT | SX. CMT. | MTD. | HOLE SIZE | CSG. SIZE | SET AT | SX. CMT. | MTD. | COMPLETION | REMARKS | | |
|--------------|---------------------------|-------------------|----------|-----------|--------|---------|----------|------|------|------|------|--------|-------------|-----------|-----------|--------|----------|---------|-----------|-------------|--------|----------|--------|------------|--------------------|----------------------------|----------------------------------|
| 30-015-03947 | Dekalb Agriculture Assn. | Federal Leonard | 1 | Dry | PA | 330' | N 330' | W D | 31 | 16S | 30E | Jul-56 | 2,912' | 11" | 8 5/8" | 515' | 0 | N/A | 7 7/8" | 5 1/2" | 2,562' | 50 | 2,295' | Calc. | 2,562'-2,912' O.H. | PA 257. Schematic Attached | |
| 30-015-03949 | Olen F. Featherstone | Federal "A" | 2 | P | PA | 660' | N 1960' | E B | 31 | 16S | 30E | Apr-59 | 2,903' | 11" | 8 5/8" | 492' | 75 | 178' | Calc. | 7 7/8" | 5 1/2" | 2,903' | 60 | 2,100' | Calc. | 2,763'-2,800' Perf. | PA 5/69. Schematic Attached |
| 30-015-03951 | C F M Oil Co. | Federal "E" | 2 | P | Active | 660' | S 1875' | W N | 31 | 16S | 30E | Jan-59 | 2,761' | 13" | 10 3/4" | 614' | 75 | 377' | Calc. | 7 7/8" | 5 1/2" | 2,758' | 90 | 2,278' | Calc. | 2,683'-2,736' Perf. | |
| 30-015-03953 | C F M Oil Co. | Dekalb Federal | 4 | P | Active | 1980' | S 660' | E I | 31 | 16S | 30E | Sep-58 | 2,832' | 10 3/4" | 8 5/8" | 450' | 50 | 245' | Calc. | 7 1/2" | 5 1/2" | 2,832' | 100 | 2,181' | Calc. | 2,624'-2,803' Perf. | |
| 30-015-03954 | C F M Oil Co. | Etz Federal | 1 | P | Active | 1980' | S 660' | W L | 31 | 16S | 30E | Dec-58 | 2,795' | 12 1/4" | 8 5/8" | 475' | 500 | Surface | Circ. | 7 7/8" | 4 1/2" | 2,795' | 300 | 1,579' | Calc. | 2,682'-2,746' Perf. | |
| 30-015-03955 | C F M Oil Co. | Etz Federal | 3 | P | Active | 1980' | N 1980' | E G | 31 | 16S | 30E | Jan-59 | 2,835' | 12 1/4" | 8 5/8" | 475' | 500 | Surface | Circ. | 7 7/8" | 4 1/2" | 2,823' | 300 | 1,607' | Calc. | 2,758'-2,796' Perf. | |
| 30-015-03957 | C F M Oil Co. | Etz Federal | 4 | P | Active | 1980' | N 660' | E H | 31 | 16S | 30E | Feb-59 | 2,850' | 11" | 8 5/8" | 463' | 500 | Surface | Circ. | 7 7/8" | 4 1/2" | 2,839' | 300 | 1,623' | Calc. | 2,788'-2,816' Perf. | |
| 30-015-03958 | C F M Oil Co. | Federal "E" | 1 | P | Active | 1980' | S 1980' | W K | 31 | 16S | 30E | Sep-58 | 2,757' | 13" | 10 3/4" | 612' | 75 | 375' | Calc. | 7 7/8" | 5 1/2" | 2,730' | 100 | 2,197' | Calc. | 2,730'-2,757' O.H. | |
| 30-015-03959 | C F M Oil Co. | Dekalb Federal | 2 | P | Active | 660' | S 1980' | E O | 31 | 16S | 30E | Dec-58 | 2,788' | 10 3/4" | 8 5/8" | 488' | 50 | 283' | Calc. | 7 1/2" | 5 1/2" | 2,787' | 100 | 2,136' | Calc. | 2,604'-2,771' Perf. | |
| 30-015-03961 | John H. Tting | Federal "E" | 4-31 | Dry | PA | 660' | N 1937' | W C | 31 | 16S | 30E | Jun-59 | 2,866' | 13" | 10 3/4" | 564' | 75 | 327' | Calc. | 7 7/8" | N/A | N/A | N/A | N/A | N/A | PA 8/59 Schematic Attached | |
| 30-015-23737 | Yates Petroleum Corp. | Bogle "QB" | 1 | Test | PA | 2310' | N 330' | W E | 31 | 16S | 30E | May-81 | 135' | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | PA 7/81 Schematic Attached | |
| 30-015-25327 | Robert H. Forrest Jr. Oil | Holly "A" Federal | 1 | P | Active | 2215' | N 330' | W E | 31 | 16S | 30E | Jul-85 | 2,860' | 12 1/4" | 8 5/8" | 370' | 300 | Surface | Circ. | 7 7/8" | 5 1/2" | 2,860' | 700 | Surface | Circ. | 2,549'-2,736' Perf. | |
| 30-015-31656 | Chl Operating, Inc. | Aspen Federal Com | 1 | P | Active | 660' | N 1980' | W C | 31 | 16S | 30E | Jun-01 | 11,030' | 17 1/2" | 13 3/8" | 385' | 400 | Surface | Circ. | 7 7/8" | 5 1/2" | 11,030' | 200 | 9,870' | CBL | Morrow Completion | |
| 30-015-03964 | Continental Oil Company | State KF-32 | 1 | P | PA | 660' | S 330' | W M | 32 | 16S | 30E | Dec-58 | 2,874' | 11" | 8 5/8" | 481' | 50 | 300' | Calc. | 6" | 4 1/2" | 2,874' | 200 | 723' | Calc. | 2,660'-2,823' Perf. | PA 2/63. Schematic Attached |
| 30-015-04090 | A. C. Holder | Dekalb Federal | 5 | P | PA | 330' | N 660' | W D | 5 | 17S | 30E | Jan-59 | 2,843' | 10 3/4" | 8 5/8" | 538' | 50 | 350' | Calc. | 7 7/8" | 5 1/2" | 2,841' | 150 | 1,650' | Calc. | 2,656'-2,810' Perf. | PA 12/66. Schematic Attached |
| 30-015-04096 | Kincaid & Watson Drilling | Wright Federal | 5 | P | PA | 659' | N 1940' | E B | 6 | 17S | 30E | Jun-62 | 2,815' | 12 1/4" | 8 5/8" | 573' | 50 | 457' | Calc. | 7 7/8" | 4 1/2" | 2,800' | 150 | 2,192' | Calc. | 2,623'-2,730' Perf. | PA 3/83. Schematic Attached |
| 30-015-04098 | Tandem Energy Corp. | Drewery Federal | 1 | P | Active | 330' | N 1980' | W C | 6 | 17S | 30E | Sep-56 | 2,912' | 11" | 8 5/8" | 545' | 50 | 364' | Calc. | 8" & 6 3/8" | 5 1/2" | 2,912' | 200 | 1,909' | Calc. | 2,584'-2,750' Perf. | |
| 30-015-10203 | Kincaid & Watson Drilling | Wright Federal | 7 | P | PA | 660' | N 660' | E A | 6 | 17S | 30E | Jan-63 | 2,822' | 11" | 8 5/8" | 592' | 50 | 411' | Calc. | 7 7/8" | 5 1/2" | 2,822' | 150 | 2,022' | Calc. | 2,647'-2,794' Perf. | PA 1/75. Schematic Attached |
| 30-015-25092 | Morexco, Inc. | Apache Federal | 1 | P | Active | 1980' | N 870' | E H | 6 | 17S | 30E | Nov-84 | 11,100' | 17 1/2" | 13 3/8" | 520' | 530' | Surface | Calc. | 12 1/2" | 9 5/8" | 2,899' | 1900 | Surface | Calc. | 2,691'-2,809' Perf. | Re-Entry. See attached schematic |
| 30-015-02830 | C F M Oil Co. | Leonard | 8 | I | Active | 1980' | N 660' | E H | 36 | 16S | 29E | Mar-59 | 2,765' | 11 7/8" | 8 5/8" | 385' | 50 | 258' | Calc. | 7 7/8" | 5 1/2" | 2,764' | 125 | 2,098' | Calc. | 2,591'-2,740' Perf. | |



Cement plug 25'-surface

11" Hole; 8 5/8" csg. set @ 515'
Surface casing not cemented and
was pulled when well was plugged

Cement plug set 450'-500'

DeKalb Agricultural Assoc., Inc.
Federal Leonard No. 1
API No. 30-015-03947
330' FNL & 330' FWL, Unit D
Section 31, T-16S, R-30E
Type Well: Dry Hole

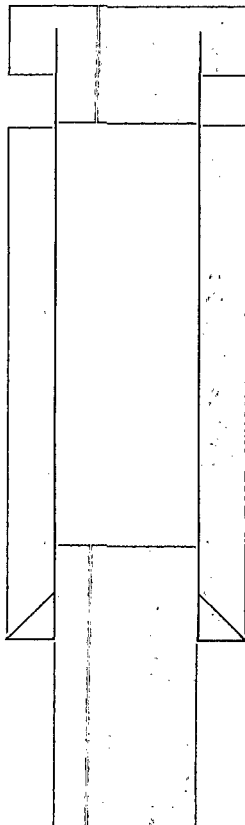
Drilled: 7/56

Plugged: 2/57



Cement plug set 1,000'-1,050'

Mud-laden fluids placed between cement plugs



Cut & pulled 2185' of 5 1/2" casing
Cement plug set 2,100'-2,300'

Calculated TOC @ 2,295'

Set 30 Sx. cement plug @ 2,500'
Capped w/5 Sx. cement

7 7/8" Hole; 5 1/2" csg. set @ 2,562'
Cemented w/50 Sx.
Calculated TOC @ 2,295'

Tubing was run to total depth and cement was
pumped from total depth to 2,500' (Well File)

T.D. 2,912'

Form C-108: Square Lake "31" WF
C F M Oil Co. dba Louis & Judy Fulton
PA Schematic
Federal Leonard No. 1

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. N. M. 04393
Unit Leonard

SUNDRY NOTICES AND REPORTS ON WELLS

| | | |
|---|---|---|
| NOTICE OF INTENTION TO DRILL..... | SUBSEQUENT REPORT OF WATER SHUT-OFF..... | |
| NOTICE OF INTENTION TO CHANGE PLANS..... | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING..... | |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF..... | SUBSEQUENT REPORT OF ALTERING CASING..... | |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL..... | SUBSEQUENT REPORT OF REDRILLING OR REPAIR..... | |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE..... | SUBSEQUENT REPORT OF ABANDONMENT..... | X |
| NOTICE OF INTENTION TO PULL OR ALTER CASING..... | SUPPLEMENTARY WELL HISTORY..... | |
| NOTICE OF INTENTION TO ABANDON WELL..... | | |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

FEDERAL LEONARD

February 11, 19 57

Well No. 1 is located 330 ft. from N line and 330 ft. from W line of sec. 31

NW/4 NW/4 of Sec. 31 T-16-S R-30-E N. M. P. M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Undesignated

Eddy

New Mexico

(Field)

(County or Subdivision)

(State or Territory)

The elevation of the derrick floor above sea level is 3711 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

February 4, 6, 1957: The well was plugged as follows: Tubing was run to Total Depth, and cement was pumped from Total Depth to 2500', Cement plugs placed from 2300' to 2100', 1,000' to 1050', 450' to 500', 25' to surface. Heavy mud laden fluid was placed between all cement plugs. All casing was recovered except 5-1/2" which was left in the hole from 2185' to 2562'. Monument was erected over well site and marked with company name and location. Ground has been leveled and final clean up made.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

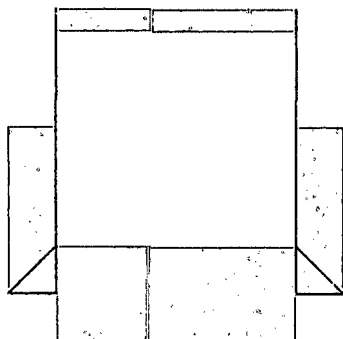
Company DeKalb Agricultural Assn., Inc.

Address 306 Lubbock National Bldg.

Lubbock, Texas

By John L. Kron

Title Production Supt.



10 Sx. surface plug

TOC @ 178'

11" Hole; 8 5/8" csg. set @ 492'
Cemented w/75 Sx.

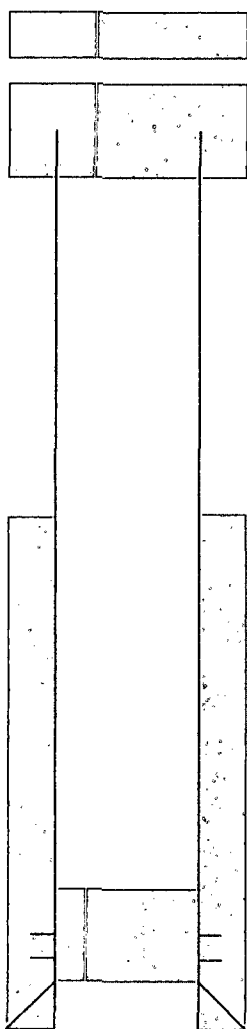
TOC @ 178' by calculation
(Well File)

Set 27 Sx. cement plug 442'-542'

Olen F. Featherstone
Federal "A" No. 2
API No. 30-015-03949
660' FNL & 1980' FEL, Unit B
Section 31, T-16S, R-30E
Type Well: Production

Drilled: 4/59

Plugged: 5/69



Set 23 Sx. cement plug 1,650'-1,750'

Cut & pulled 1,850' of 5 1/2" casing
Set 15 Sx. cement stub plug 1,775'-1,875'

Mud-laden fluids placed between cement plugs

Calculated TOC @ 2,100'

Set 120' 15 Sx. cement plug 2,730'-2,850'

Perforations: 2,763-2,800'

7 7/8" Hole; 5 1/2" csg. set @ 2,903'

Cemented w/60 Sx.

TOC @ 2,100' by calculation (Well File)

T.D. 2,903'

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPlicate
(Other instructions
reverse side)Form approved.
Budget Bureau No. 42-R1424.

6. LEASE DESIGNATION AND SERIAL NO.

LC 068888

8. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal "A"

9. WELL NO.

Two

10. FIELD AND POOL, OR WILDCAT

Square Lake

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Section 31,

T-16S, R-30E, N.M.P.M.

12. COUNTY OR PARISH 13. STATE

Eddy

New Mexico

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL
WELL ☒ GAS
WELL ☐ OTHER

2. NAME OF OPERATOR

FEATHERSTONE FARMS, LTD.

3. ADDRESS OF OPERATOR

239 Petroleum Building, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface

660' FNL and 1980' FEL, Section 31, Township 16 South,
Range 30 East, N.M.P.M.

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, HT, GR, etc.)

3717' GR

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones perti-
nent to this work.)*Casing: 8 5/8" set 492' and cemented with 75 sacks. Calculated top cement 178'.
5 1/2" set 2903' and cemented with 60 sacks. Calculated top cement 2100'.

Producing zone: Premier section 2770' to 2806' -- perforated 4 shots per foot.

Plugged as follows:

- 5-31-69 Set 120' cement plug (15 sacks) 2850' to 2730' to cover perforations.
6- 2-69 Shot 5 1/2" casing at 1850', pulled a few joints.
6- 3-69 Pulled balance of 5 1/2" casing for a total of 1850'. Set 100' cement
plug (15 sacks) from 1775' to 1875'. Set 100' cement plug (23 sacks)
from 1750' to 1650'. Set 100' cement plug (27 sacks) from 542' to 442'
(bottom 8 5/8").
6- 4-69 Set 20' cement plug (10 sacks) at surface and set 4 1/2" Marker 4'
above surface.
10- 6-69 Equipment and material removed. Location ready for inspection.

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

SIGNED

Charles W. Hickey

TITLE

General Manager

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL IF ANY:

TITLE

DATE

APPROVED

J. L. BEEKMA

*See Instructions on Reverse Side

RECEIVED

OCT-8-1969

U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

DATE October 7, 1969

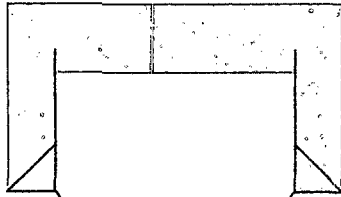
RECEIVED

FEB 19 1970

D. C. C.
ARTESIA, OFFICE



5 Sx. surface plug



Cut & pulled 284' of 10 3/4" casing. Set 40 Sx. cement stub plug 265'-300'

13" Hole; 10 3/4" csg. set @ 564'
Cemented w/75 Sx.
TOC @ 327' by calculation

John H. Trigg
Federal "E" No. 4-31
API No. 30-015-03961
660' FNL & 1937' FWL, Unit C
Section 31, T-16S, R-30E
Type Well: Dry Hole

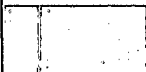
Drilled: 6/59

Plugged: 8/59

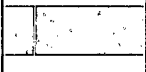


Set 25 Sx. cement plug 975'-1,025'

Mud-laden fluids placed between cement plugs



Set 40 Sx. cement plug 1,990'-2,065'

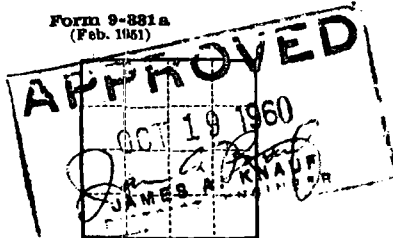


Set 15 Sx. cement plug 2,650'-2,700'

Drilled 7 7/8" hole to T.D. of 2,866'

T.D. 2,866'

COPY

Form 9-381a
(Feb. 1961)

(SUBMIT IN TRIPLICATE)

 UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY
Budget Bureau No. 42-R268.4
Approval expires 12-31-60.Land Office New MexicoLease No. 0472Unit **RECEIVED**

OCT 27 1960

 SUNDRY NOTICES AND REPORTS ON WELLS **N. M.**
 ARTESIA OFFICE

| | | |
|--|--|----------|
| NOTICE OF INTENTION TO DRILL | SUBSEQUENT REPORT OF WATER SHUT-OFF | |
| NOTICE OF INTENTION TO CHANGE PLANS | SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING | |
| NOTICE OF INTENTION TO TEST WATER SHUT-OFF | SUBSEQUENT REPORT OF ALTERING CASING | |
| NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL | SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR | |
| NOTICE OF INTENTION TO SHOOT OR ACIDIZE | SUBSEQUENT REPORT OF ABANDONMENT | X |
| NOTICE OF INTENTION TO PULL OR ALTER CASING | SUPPLEMENTARY WELL HISTORY | |
| NOTICE OF INTENTION TO ABANDON WELL | | |

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

August 13, 1959

Federal "E"

Well No. 4-31 is located 660 ft. from N line and 1937.94 ft. from E/W line of sec. 31

NE 1/4 NW 1/4 Sec. 31 16S 30E N.M.P.M.
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Square Lake Eddy
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 3716 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

This test was plugged as follows:

1. Jetted in heavy mud 2866-2700'
2. Dumped 15 sack plug 2650-2700'
3. Jetted in heavy mud 2650-2060'
4. Spotted 40 sack plug 2065-1990'
5. Pulled 8 5/8" casing
6. Mudded 1990-1025'
7. Spotted 25 sack plug 1025-975'
8. Mudded 975-to 400'
9. Knocked off 10 3/4" @ 284'. Recovered 277.77' of pipe
10. Set 40 sack plug 300-265'
11. Mudded to bottom of cellar from 265'
12. Set 5 sack plug 8' - 5' (OVER)

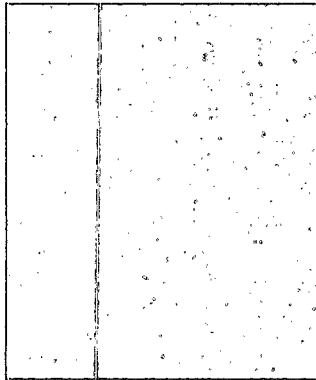
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company John H. TriggAddress P. O. Box 5629Roswell, New MexicoBy /s/ Hugh W. PuckettTitle Geologist

RECEIVED

AUG 17 1959

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO



Total Depth: 135'

**Yates Petroleum Corporation
Bogle "QB" No. 1
API No. 30-015-23737
2310' FNL & 330' FWL, Unit E
Section 31, T-16S, R-30E
Type Well: Test**

Drilled: 5/81

Plugged: 7/81

Well was drilled in 1981 to a total depth of 135'. No casing was set and well was subsequently plugged from 135' to surface with 4 ½ yards of Ready-Mix Cement.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to
reservoir. Use Form 9-331-C for such proposals.)

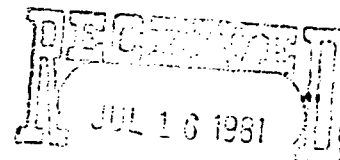
1. oil ☐ gas ☐ other ☐ P&A ☒ APR 14 1986
2. NAME OF OPERATOR
Yates Petroleum Corporation O. C. D.
3. ADDRESS OF OPERATOR
207 South 4th St., Artesia, NM 88210
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17
below.)
AT SURFACE: 2310' FNL & 330' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,
REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF ☐ ☐
FRACTURE TREAT ☐ ☐
SHOOT OR ACIDIZE ☐ ☐
REPAIR WELL ☐ ☐
PULL OR ALTER CASING ☐ ☐
MULTIPLE COMPLETE ☐ ☐
CHANGE ZONES ☐ ☐
ABANDON* ☐ ☒
(other)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates,
including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and
measured and true vertical depths for all markers and zones pertinent to this work.)*

Well was plugged and abandoned as approved by the USGS with 4-1/2
yards of Ready-Mix fill to surface. Regulation abandonment marker
installed. Surface will be restored in accordance with USGS-BLM
requirements.



DR. & GAS
U.S. GEOLOGICAL SURVEY
LOS ALAMOS, NEW MEXICO

Subsurface Safety Valve: Manu. and Type: _____ Set @ _____ Ft.

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

SIGNED _____ TITLE Engineering Secty DATE 7-14-81

Org. Sec. _____

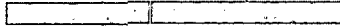
(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

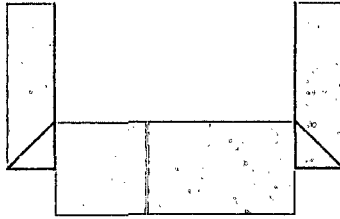
TITLE _____

DATE _____

4-11-84



10 Sx. surface plug



Shot 8 5/8" casing @ 250' and
recovered 42'.
TOC @ 300'

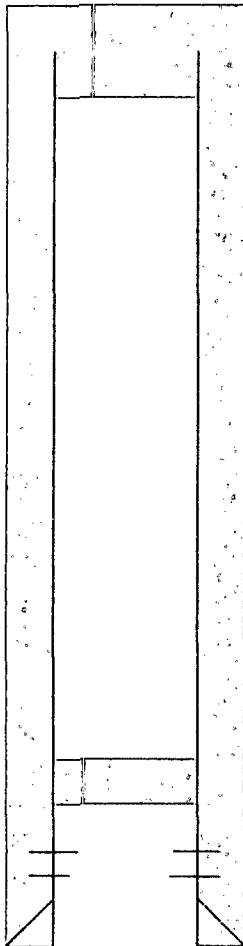
11" Hole; 8 5/8" csg. set @ 481'
Cemented w/50 Sx.
TOC @ 300' by calculation

Set 20 Sx. cement plug @ 481'

Continental Oil Company
State "KF-32" No. 1
API No. 30-015-03964
660' FSL & 330' FWL, Unit M
Section 32, T-16S, R-30E
Type Well: Production

Drilled: 12/58

Plugged: 2/63



T.D. 2,874'

Cut & pulled 1,475' of 4 1/2" casing
Set 20 Sx. cement stub plug @ 1,475'

Estimated TOC @ 1,475'

Mud-laden fluids placed between cement plugs

Set 20 Sx. cement plug @ 2,600'

Perforations: 2,660'-2,823'

6" Hole; 4 1/2" csg. set @ 2,874'

Cemented w/200 Sx.

Estimated TOC @ 1,475' (Depth casing was pulled)

640/A 330/W

| | |
|---------------------------|-----|
| NUMBER OF COPIES RECEIVED | |
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| U.S.G.S. | |
| LAND OFFICE | |
| TRANSPORTER | OIL |
| | GAS |
| PRODUCTION OFFICE | |
| OPERATOR | |

NEW MEXICO OIL CONSERVATION COMMISSION
MISCELLANEOUS REPORTS ON WELLS

FORM C-103
(Rev 3-55)

(Submit to appropriate District Office as per Commission Rule 1106)

| | | | | | |
|---|----------------------------|---|----------------------|------------------------|---------------------|
| Name of Company Continental Oil Company | | Address Box 427 Hobbs, New Mexico | | | |
| Lease State KF-32 | Well No. 1 | Unit Letter M | Section 32 | Township 16S | Range 30E |
| Date Work Performed 2-4-63 | Pool Square Lake | County Eddy | | | |

THIS IS A REPORT OF: (Check appropriate block)

| | | |
|--|---|--|
| <input type="checkbox"/> Beginning Drilling Operations | <input type="checkbox"/> Casing Test and Cement Job | <input checked="" type="checkbox"/> Other (Explain): |
| <input type="checkbox"/> Plugging | <input type="checkbox"/> Remedial Work | Plug and Abandon |

Detailed account of work done, nature and quantity of materials used, and results obtained.

State KF-32 No. 1 was plugged and abandoned in the following manner: Set a 20 sack cement plug at 2600'. Shot off 4 1/2" casing at 1475' and recovered 1457'. Set a 20 sack plug at 1475. Shot off 8 5/8" casing at 250' and recovered 42'. Spotted a 20 sack cement plug at 481', and a 10 sack plug at surface. Erected marker and cleared location.

| | | |
|--|-------------------------------------|---|
| Witnessed by C. C. Dickenson | Position Drilling Foreman | Company Continental Oil Company |
|--|-------------------------------------|---|

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

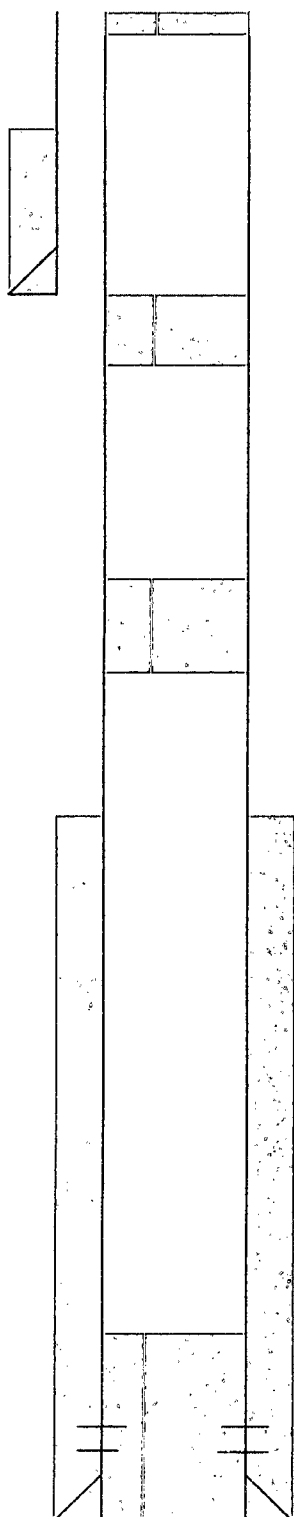
ORIGINAL WELL DATA

| | | | | |
|------------------------|--------------|------------------------|--------------------|-----------------|
| D F Elev. | T D | P B T D | Producing Interval | Completion Date |
| Tubing Diameter | Tubing Depth | Oil String Diameter | Oil String Depth | |
| Perforated Interval(s) | | | | |
| Open Hole Interval | | Producing Formation(s) | | |

RESULTS OF WORKOVER

| Test | Date of Test | Oil Production BPD | Gas Production MCFPD | Water Production BPD | GOR Cubic feet/Bbl | Gas Well Potential MCFPD |
|-----------------|--------------|--------------------|----------------------|----------------------|--------------------|--------------------------|
| Before Workover | | | | | | |
| After Workover | | | | | | |

| | | | |
|--|--|---|--|
| OIL CONSERVATION COMMISSION | | I hereby certify that the information given above is true and complete to the best of my knowledge. | |
| Approved by <i>Howard E. Lohley</i> | | Name <i>J. A. Fuller</i> | |
| Title OIL AND GAS INSPECTOR | | Position Assistant District Superintendent | |
| Date FEB 15 1963 | | Company Continental Oil Company | |



T.D. 2,843'

15 Sx. surface plug

TOC @ 350'

10 3/4" Hole; 8 5/8" csg. set @ 538'
Cemented w/50 Sx.

TOC @ 350' by calculation

Set 30 Sx. cement plug 550'-630'

Set 30 Sx. cement plug @ 1,050'-1,150'

Estimated TOC @ 1,650'

Mud-laden fluids placed between cement plugs

Set 30 Sx. cement plug @ 2,600'-2,841'

Perforations: 2,656'-2,810'

7 7/8" Hole; 5 1/2" csg. set @ 2,841'

Cemented w/150 Sx.

TOC @ 1,650' by calculation

A. C. Holder

Dekalb Federal No. 5

API No. 30-015-04090

330' FNL & 660' FWL, Unit D

Section 5, T-17S, R-30E

Type Well: Production

Drilled: 1/59

Plugged: 12/66

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN T
(Other Instructions
Reverse Side)

TE
rs

Form approved.
Budget Bureau No. 42-R1424.

3. LEASE DESIGNATION AND SERIAL NO.

~~NA 0-1000~~

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

| | |
|--|---|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> | 7. UNIT AGREEMENT NAME |
| 2. NAME OF OPERATOR A. C. Holder / | 8. FARM OR LEASE NAME De Halb Federal |
| 3. ADDRESS OF OPERATOR Box 1476, Lovington, New Mexico 88200 | 9. WELL NO. 5 |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 330' from North line, 600' from West line | 10. FIELD AND POOL, OR WILDCAT Square Lake |
| 11. SEC. T., R., M., OR B.L. AND SURVEY OR AREA Sec. 5, T 17S, R 30E | 12. COUNTY OR PARISH 13. STATE Eddy New Mexico |
| 14. PERMIT NO. | 15. ELEVATIONS (Show whether DF, RT, CR, etc.) 3096.5 CR |

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

| | |
|--|---|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | MULTIPLE COMPLETE <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/> | ABANDON* <input checked="" type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> |
| (Other) <input type="checkbox"/> | |

SUBSEQUENT REPORT OF:

| | |
|--|--|
| WATER SHUT-OFF <input type="checkbox"/> | REPAIRING WELL <input type="checkbox"/> |
| FRACTURE TREATMENT <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input checked="" type="checkbox"/> |
| (Other) <input type="checkbox"/> | |

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

30 sacks on bottom 2041-2000
30 sacks from 1150 to 1050
30 sacks from 630 to 550
15 sacks at top

With 4 inch regulation marker.

RECEIVED
MAY 15 1969

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

SIGNED _____ TITLE Operator DATE December 5, 1966

(This space for Federal or State office use)

APPROVED FOR
SUBMISSION OF APPROVAL, IF ANY:

TITLE _____

DATE

RECEIVED

JUL 11 1969

H. L. BEEKMAN

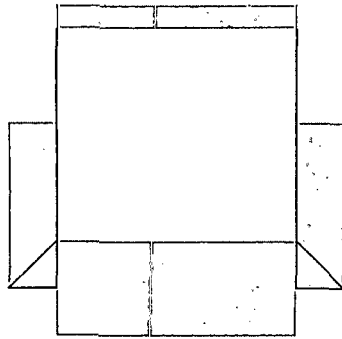
ACTING DISTRICT ENGINEER

*See Instructions on Reverse Side

JUL 14 1969

O. C. C.
ARTESIA, OFFICE

Kincaid & Watson Drilling Co.
Wright Federal No. 5
API No. 30-015-04096
659' FNL & 1940' FEL, Unit B
Section 6, T-17S, R-30E
Type Well: Production



20 Sx. surface plug

TOC @ 457'

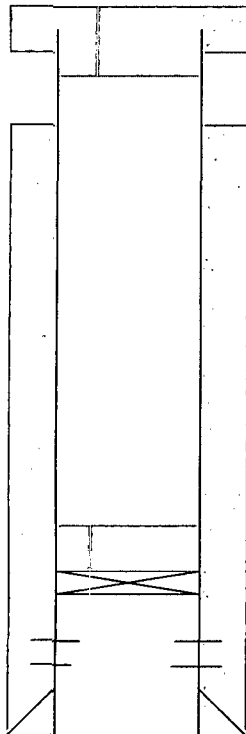
12 1/4" Hole; 8 5/8" csg. set @ 573'
Cemented w/50 Sx.
TOC @ 457' by calculation

Set 35 Sx. cement plug
Tagged @ 519'



Set 35 Sx. cement plug 980'-1,085'

Drilled: 6/62
Plugged: 3/83



Cut & pulled 2,100' of 4 1/2" casing
Set cement stub plug 1,953'-2,140'

Calculated TOC @ 2,192'

Mud-laden fluids placed between cement plugs

Set CIBP @ 2,574' w/10 Sx. cement on top

Perforations: 2,623'-2,730'

7 7/8" Hole; 4 1/2" csg. set @ 2,800'
Cemented w/150 Sx.
TOC @ 2,192' by calculation

T.D. 2,815'

c15F

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-4 for such proposals.)

1. oil ☒ gas ☐ other ☐
well ☒ well ☐
2. NAME OF OPERATOR
Kincaid & Watson Drilling Company
3. ADDRESS OF OPERATOR
P.O. Box 498, Artesia, New Mexico 88210
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 659'/North line, 1940'/East line
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(either)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Per oral permission from Orlando Lopez we have plugged this well as follows:
Bridge plug at 2574' 10 sacks cement on top of plug 2474'-2474'
Pulled 2100' casing. Plug from 2140'-1953'.
Circulated with mud.
35 sacks 1085'-980'
50 sacks to 589'. Plug did not hold. 35 sacks tagged at 519'.
20 sacks from 60' to surface.
Set dry hole marker and cleaned up location.

Subsurface Safety Valve: Manul. and Type

18. (Hereby certify that the foregoing is true and correct)

SIGNED [Signature] TITLE Secretary-Treasurer DATE March 1, 1983

(This space for Federal or State (office use))

APPROVED BY [Signature] TITLE DATE 3-31-83

CONDITIONS OF APPROVAL, IF ANY:

5. LEASE NM 013814
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Wright Federal
9. WELL NO. 5
10. FIELD OR WILDCAT NAME Square Lake
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 6-17-30
12. COUNTY OR PARISH Eddy
13. STATE New Mexico
14. API NO.
15. ELEVATIONS (SHOW OF, KDB, AND WD) GL 3701'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

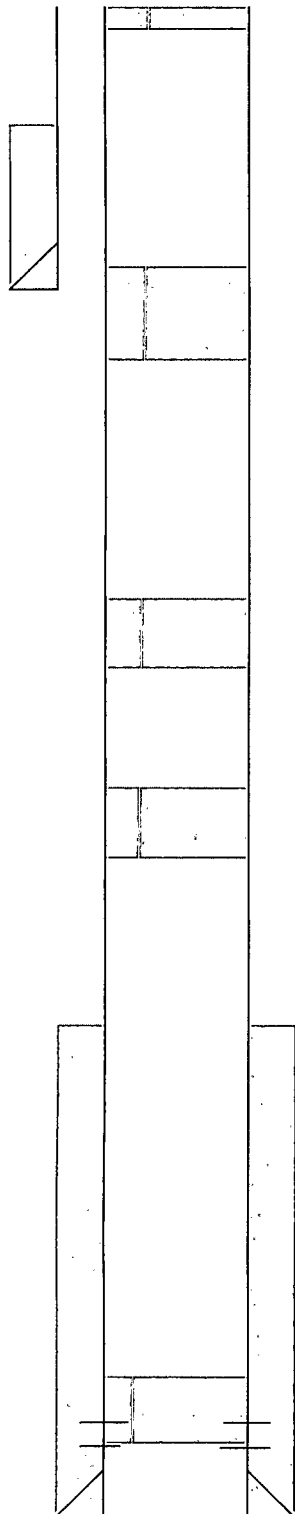
RECEIVED
MAR 2 1983

OIL & GAS
MINERALS MGMT. SERVICE
MUSWELL, NEW MEXICO

Set @

Post ID-2
4-1-83
p4H

Kincaid & Watson Drilling Co.
Wright Federal No. 7
API No. 30-015-10203
660' FNL & 660' FEL, Unit A
Section 6, T-17S, R-30E
Type Well: Production



20 Sx. surface plug

TOC @ 411'

11" Hole; 8 5/8" csg. set @ 592'
Cemented w/50 Sx.
TOC @ 411' by calculation

Set 100' cement plug 540'-640'

Set 100' cement plug 975'-1,075'

Set 100' cement plug 1,400'-1,500'

Calculated TOC @ 2,022'

Mud-laden fluids placed between cement plugs

Set 100' cement plug 2,600'-2,700'

Perforations: 2,647'-2,794'

7 7/8" Hole; 5 1/2" csg. set @ 2,822'
Cemented w/150 Sx.
TOC @ 2,022' by calculation

T.D. 2,822'

Drilled: 1/63

Plugged: 1/75

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

| | | | |
|--|--|--|--|
| 1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> | | 5. LEASE DESIGNATION AND SERIAL NO. NM 013314 | |
| 2. NAME OF OPERATOR Kincaid & Watson Drilling Company | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME | |
| 3. ADDRESS OF OPERATOR P.O. Box 498, Artesia, New Mexico 88210 | | 7. UNIT AGREEMENT NAME | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 660' from North Line, 660' from East line. | | 8. FARM OR LEASE NAME Wright Federal | |
| 14. PERMIT NO. | | 9. WELL NO. 7 | |
| 15. ELEVATIONS (Show whether DF, RT, GH, etc.) | | 10. FIELD AND POOL, OR WILDCAT Square Lake | |
| | | 11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA 6-17S-30E | |
| | | 12. COUNTY OR PARISH Eddy | |
| | | 13. STATE New Mexico | |

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
|--|---|--|--|
| TEST WATER SHUT-OFF <input type="checkbox"/> | PULL OR ALTER CASING <input type="checkbox"/> | WATER SHUT-OFF <input type="checkbox"/> | REPAIRING WELL <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | MULTIPLE COMPLETE <input type="checkbox"/> | FRACTURE TREATMENT <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/> | ABANDON* <input type="checkbox"/> | SHOOTING OR ACIDIZING <input type="checkbox"/> | ABANDONMENT* <input checked="" type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | (Other) <input type="checkbox"/> | |

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

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

We have plugged this well as follows:

- 100' plug at perforations 2600' to 2700'
- 100' plug at 1500' to 1400'
- 100' plug at 975' to 1075'
- 100' plug at 540' to 640'
- 20' plug at surface

We have cleaned up location and set dry hole marker.

RECEIVED

JAN - 2 1975

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

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

SIGNED Nancy Day TITLE Assistant Secretary DATE 1-2-75

(This space for Federal or State office use)

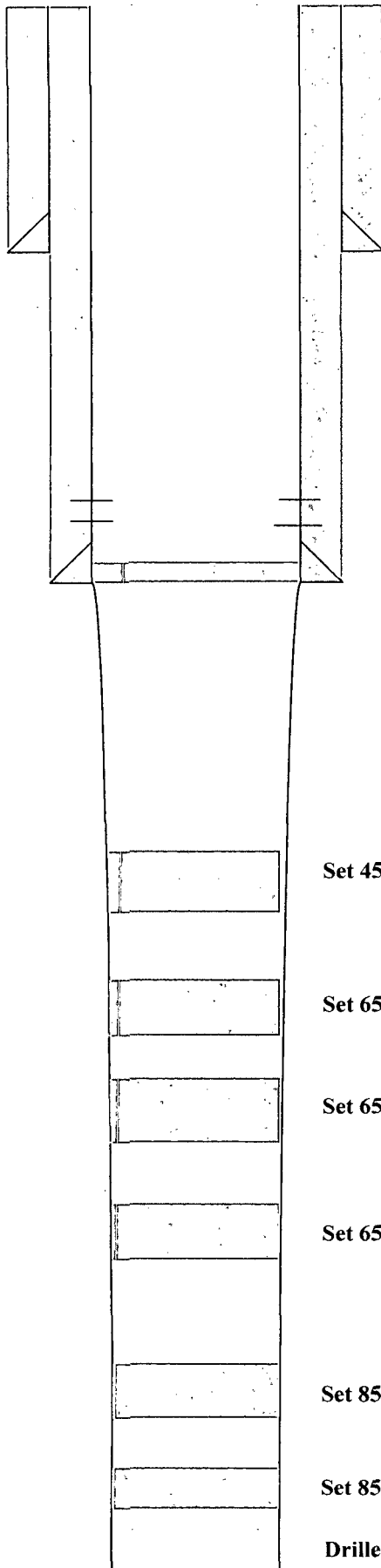
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Morexco, Inc.
Apache Federal No. 1
API No. 30-015-25092
1980' FNL & 870' FEL (Unit H)
Section 6, T-17S, R-30E

Drilled 11/84
Plugged 2/85
Re-Entered 7/92



17 ½" Hole; Set 13 3/8" csg. @ 520'
 Cemented w/530 Sx.
 Cement circulated to surface

Perforations: 2,691'-2,809'

Set 45 Sx. cement plug 2,800'-2,900'
 Re-entry operations drilled to 2,850'

12 ½" Hole; Set 9 5/8" csg. @ 2,899'
 Cemented w/1900 Sx.
 Cement circulated to surface

Set 45 Sx. cement plug 4,100'-4,200'

Set 65 Sx. cement plug 6,200'-6,350'

Set 65 Sx. cement plug 7,400'-7,550'

Set 65 Sx. cement plug 8,480'-8,630'

Set 85 Sx. cement plug 10,100'-10,300'

Set 85 Sx. cement plug 10,550'-10,750'

Drilled 7 7/8" Hole to T.D. of 11,100'

T.D. 11,100'

RECEIVED BY

Form 9-330
Dec. 1973

APR 1 1985

O. C. D.
ARTESIA, OFFICEUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYForm Approved.
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other ☐
2. NAME OF OPERATOR
Santa Fe Energy Company ✓
3. ADDRESS OF OPERATOR
500 W. Illinois, Suite 500, Midland, TX 79701
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1980' FNL, 870' FEL, Sec. 6, T-17S,
AT TOP PROD. INTERVAL: R-30E
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

CHANGE ZONES ☐

ABANDON* ☒

(other)

SUBSEQUENT REPORT OF:

☐

☐

☐

☐

☐

☐

☐

☐

5. LEASE

NM-013814

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Evans Fed Com

9. WELL NO.

1

10. FIELD OR WILDCAT NAME

Wildcat - *Midland*

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 6, T-17S, R-30E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

14. API NO.

NA

15. ELEVATIONS (SHOW DF, KDB, AND WD)

3687.6 GR

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

BLM verbal approval received January 4, 1985, from Bob Pitishy to plug well - well was noncommercial. Plugs will be set as below:

Set 85 sx plug @ 10,750-10,550'

Set 85 sx plug @ 10,300-10,100'

Set 65 sx plug @ 8,630- 8,480'

Set 65 sx plug @ 7,550- 7,400'

Set 65 sx plug @ 6,350- 6,200'

Set 45 sx plug @ 4,200- 4,100'

Set 45 sx plug @ 2,900- 2,800'

Set 45 sx plug @ 520- 420'

Set 45 sx plug @ 100'+-Surface

Cut 9 5/8" wellhead off.

Mud wt 9 ppg to be displaced thru drill pipe below & between all plugs.

Subsurface Safety Valve: Manu. and Type

Set @ Ft.

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

SIGNED *B. Hood* Billie Hood TITLE Sr. Prod. Clerk DATE 2-26-85

(This space for Federal or State office use)

APPROVED *J. Mark Hodge*
CONDITIONS OF APPROVAL, IF ANY

TITLE

DATE

3 29 85

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

SOUTHEASTERN PETROLEUM INC.

3. Address and Telephone No.

1601 EAST SECOND, ROSWELL, NEW MEXICO 88201

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

1980' FNL, 870' FEL
SECTION 6, T.17S, R.30E

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

5. Lease Designation and Serial No.

NM-013814

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

APACHE FEDERAL 1

9. API Well No.

30015250920091

10. Field and Pool, or Exploratory Area

SQ LAKE/GB/SAN ANDRES

11. County or Parish, State

EDDY COUNTY, NEW MEXICO

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

TYPE OF SUBMISSION

- ☐ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other COMPLETION
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

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

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

07/13/92 Spud well @ 7:00 a.m.
07/14/92 MIRU Real Well Svc. Drld f/10-37'.
07/15/92 Drld to 135', ran 2-7/8" tbg, tagged @ 389'. Drld to 480'.
07/16/92 Drld to 571'. Ran 5-10 jts 2-7/8" tbg. Circ to 2391'. Startd drlg & washing to 2850'. Circd clean.
07/17/92 Washed dn 1 jt. Pld tbg, LD clrs. RU WL & ran bond log. RIH w/tbg & spotted ac. Pld tbg & perfd a total of 62 shots: 2691-2697', 2749-2755', 2790-2804', 2808-2809'. RIH w/tbg & pkr. Actd w/2000 gal 15% HCL, 2000 gal FE, 2000 gal NE & 4 gal NFS-1 w/inhibitor. Flowed back. Made 4 runs.
07/19/92 Swabbed well dn. RU Dowell Schlumberger & fracd w/15 gal gelling agent, 12# microbiocide, 88# breaker, 152 gal trifunc add 380 & 269 gal poly slurry.
07/20/92 Open well to pit & started flowing.
07/21/92 Well died dn. Started swabbing. Swab back 57 BBLs.
07/22/92 Tbg press 250#. Flowed 15 BBLs 80-100% oil cut in 1 hr. Well died. Swabbed FL 200-2000' f/surf. Rel pkr, pld tbg & pkr. Ran 1 jt, bull plug as mud jt, 4' perf sub, SN & 88 jts 2-3/8" J-55 EUE 8rd tbg. Set SN @ 2831', bottom of perf sub @ 2835' & bottom of mud jt @ 2865'. Tag bottom @ 2894'. Swab back 102 BBLs pkr fl and no oil. FL @ 1200' f/surf.
07/23/92 Swab well to pit. Swab dn to 2500'. Set 500 BBL tank.
07/24/92 Swab well dn. Connected well head. PU new pmp & rods. Space out pmp. Hung well on. RD Real well Service.
07/29/92 Hook up electricity.

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

Signed: David R. Glass

Title: Regional Supervisor

Date: 06/28/93

(This space for Regional or State office use)

Approved by: _____

Conditions of approval, if any:

Title: (ORIG. SGD) DAVID R. GLASS

Date: _____

JUL 6 1993



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

No records found.

PLSS Search:

Section(s): 29, 30, 31, 32 **Township:** 16S **Range:** 30E

**Form C-108: Square Lake "31" WF
C F M Oil Co. dba Louis & Judy Fulton
State Engineer
Fresh Water Well Search**

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



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

No records found.

PLSS Search:

Section(s): 5, 6

Township: 17S

Range: 30E

**Form C-108: Square Lake "31" WF
C F M Oil Co. dba Louis & Judy Fulton
State Engineer
Fresh Water Well Search**

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



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

No records found.

PLSS Search:

Section(s): 25, 36

Township: 16S

Range: 29E

**Form C-108: Square Lake "31" WF
C F M Oil Co. dba Louis & Judy Fulton
State Engineer
Fresh Water Well Search**

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



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

No records found.

PLSS Search:

Section(s): 1

Township: 17S


Range: 29E

**Form C-108: Square Lake "31" WF
C F M Oil Co. dba Louis & Judy Fulton
State Engineer
Fresh Water Well Search**

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.

Form C-108
Affirmative Statement
C F M Oil Co. dba Louis and Judy Fulton
Dekalb Federal Wells No. 1 & 3 and Federal "E" No. 3
Section 31, T-16 South, R-30 East, NMPM,
Eddy County, New Mexico

Available geologic and engineering data has been examined and no evidence of open faults or hydrological connection between the injection zone and any underground sources of drinking water has been found.



David Catanach
Agent for C F M Oil Co. dba Louis and Judy Fulton

10/8/2010

Date

October 8, 2010

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

TO: Offset Operators/Leasehold Owners/Surface Owners
(See Attached List)

Re: C F M Oil Co. dba Louis and Judy Fulton
Form C-108 (Application for Authorization to Inject)
DeKalb Federal Wells No. 1 & 3 and Federal "E" Well No. 3
Section 31, T-16 South, R-30 East, NMPM,
Eddy County, New Mexico

Dear Sir:

Enclosed please find a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for C F M Oil Co. dba Louis and Judy Fulton's DeKalb Federal Wells No. 1 & 3 and Federal "E" Well No. 3, all located in Section 31, T-16 South, R-30 East, NMPM, Eddy County, New Mexico. You are being provided a copy of the application as an offset operator, leasehold owner or surface owner of the land on which the proposed injection wells are located. C F M Oil Co. dba Louis and Judy Fulton proposes to re-activate these previously-permitted injection wells within the Square Lake "31" Project Area. The proposed re-activation of these injection wells within the Square Lake "31" Waterflood Project will allow the completion of an efficient injection/production pattern within the project area.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

If you should have any questions, please contact me at (505) 690-9453.

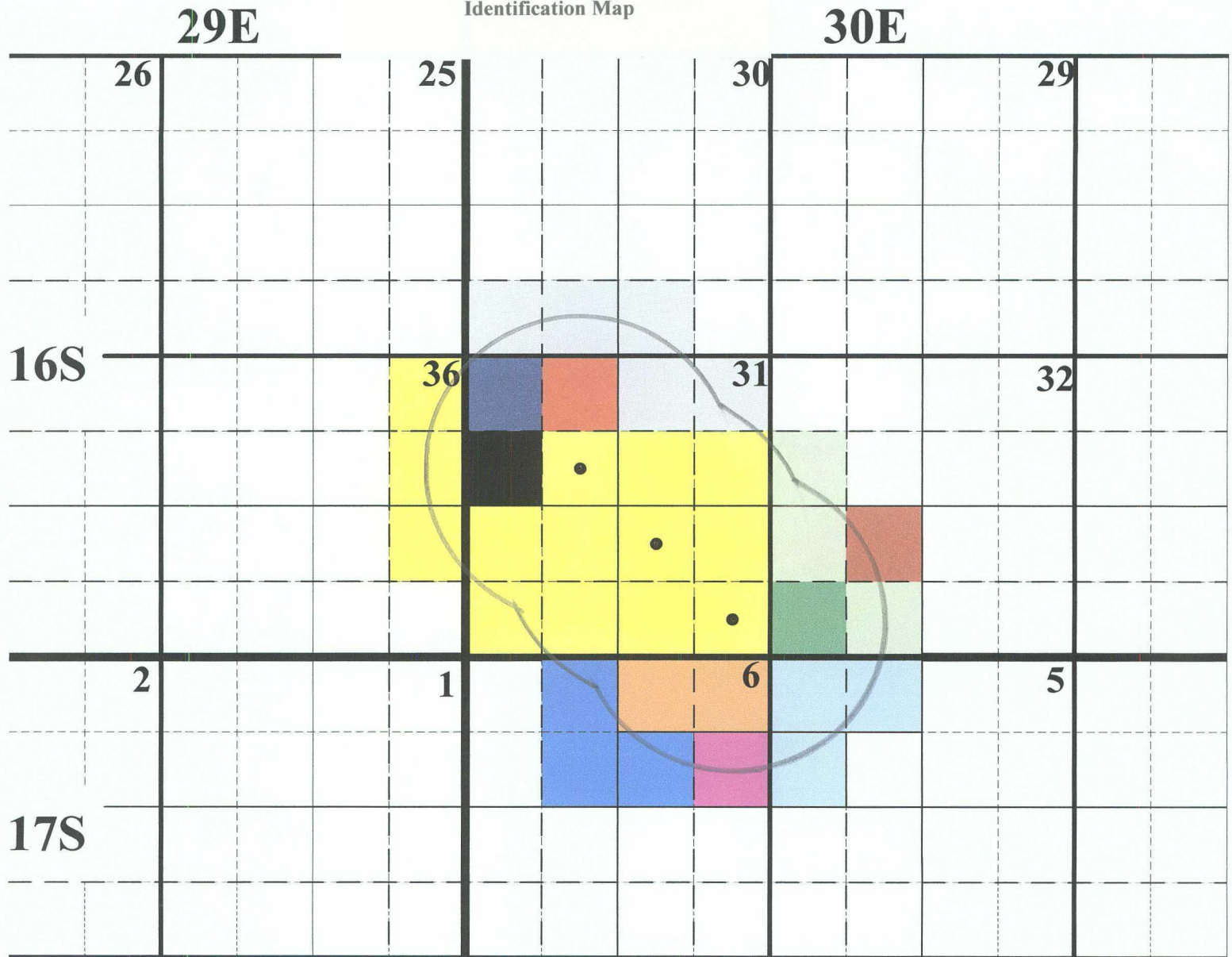
Sincerely,















David Catanach
Agent for C F M Oil Co. dba Louis and Judy Fulton
P.O. Box 1176
Artesia, New Mexico 88210

Enclosure

Form C-108: Square Lake "31" WF
 C F M Oil Co. dba Louis & Judy Fulton
 Offset Operator/Leasehold Owner
 Identification Map



- | | |
|--|--|
|  C F M Oil Co. dba Louis and Judy Fulton (Operator) |  Lothian Oil Inc. (Lessee) |
|  Robert H. Forrest Jr. Oil LLC (Operator) |  COG Operating, LLC (Lessee) |
|  Tandem Energy Corporation (Operator) |  Chi Energy, Inc. (Lessee) |
|  Morexco, Inc. (Operator) |  Louis Fulton & B. N. Muncy, Jr. (Lessees) |
|  EOG Resources, Inc, Chi Energy, Inc., Murchison Oil & Gas, Inc., McCombs Energy, LLC (Lessees) |  Christine & James Thompson, Jr. (Lessees) |
|  BP America Production Company & Additional Parties (Lessees) (See Notice List) |  BP America Production Company & Additional Parties (Lessees) (See Notice List) |

C F M Oil Co. dba Louis and Judy Fulton
Form C-108: Dekalb Federal Wells No. 1 & 3 and Federal "E" No. 3
Section 31, T-16 South, R-30 East, NMPM
Eddy County, New Mexico

Offset Operator/Leasehold Owner Notification List

Robert H. Forrest Jr. Oil, LLC
609 Elora Drive
Carlsbad, New Mexico 88220

Operator: SW/4 NW/4 Section 31-16S-30E

Tandem Energy Corporation
11490 Westheimer Rd., Suite 1000
Houston, Texas 77077

Operator: E/2 NW/4 & SW/4 NE/4 Section 6-17S-30E

Morexco, Inc.
P.O. Box 51208
Midland, Texas 79710

Operator: SE/4 NE/4 Section 6-17S-30E

Lothian Oil, Inc.
2602 McKinney Ave., Suite 240
Dallas, Texas 75204

Operating Rights Owner: Surface-2,938': N/2 NE/4 Section 6-17S-30E
Federal Lease No. NM-013814

COG Operating, LLC
550 West Texas, Suite 1300
Midland, Texas 79701

Leasehold Owner: N/2 NW/4 & SW/4 NW/4 Section 5-17S-30E
Federal Lease No. NM-83591

Chi Energy, Inc.
P.O. Box 1799
Midland, Texas 79702

Leasehold Owner: N/2 NE/4 Section 31-16S-30E
S/2 SW/4 & SW/4 SE/4 Section 30-16S-30E
Federal Lease No. NM-105214

(Note: Chi Energy, Inc. also operates the Aspen Federal Com No. 1, (30-015-31656) (Unit C), a deep gas well dedicated to a 320-acre gas spacing unit comprising the W/2 of Section 31-16S-30E)

Louis Fulton & B. N. Muncy, Jr.
Box 370
Artesia, New Mexico 88210

Operating Rights Owners: Surface-100' below base of the Grayburg Premier Sand
NE/4 NW/4 Section 31-16S-30E
Federal Lease No. NM-04712

EOG Resources, Inc.
Box 2267
Midland, Texas 79702
Operating Rights Owner: Surface-2,960': NW/4 NW/4 Section 31-16S-30E
Federal Lease No. NM-53376

Operating Rights Owners: 2,960'-2,969': NW/4 NW/4 Section 31-16S-30E
Federal Lease No. NM-53376

Chi Energy, Inc.
P.O. Box 1799
Midland, Texas 79702

Murchison Oil & Gas, Inc.
1100 Mira Vista Blvd.
Plano, Texas 75093-4698

McCombs Energy, LLC
5599 San Felipe, Suite 1200
Houston, Texas 77056

Operating Rights Owners: Surface-4,000': NE/4 SW/4 Section 32-16S-30E
State Lease No. B-2884-3

BP America Production Company
P.O. Box 3092
Houston, Texas 77079

Read & Stevens, Inc.
P.O. Box 1518
Roswell, New Mexico 88201

John Anderson Jr.
(Address Unknown/Publication Notice Given)

John Turner
(Address Unknown/Publication Notice Given)

Mark Wilson
4501 Green Tree Blvd.
Midland, Texas 79707

AJ Lossee
P.O. Drawer 1720
Artesia, New Mexico 88211-1720

Boling Enterprises
P.O. Box 2563
Roswell, New Mexico 88202

ML Boling Development LLC
P.O. Box 1514
Roswell, New Mexico 88202

**Operating Rights Owners: Surface-3,500': SW/4 SW/4 Section 32-16S-30E
State Lease No. B-8569-6**

BP America Production Company
P.O. Box 3092
Houston, Texas 77079

Read & Stevens, Inc.
P.O. Box 1518
Roswell, New Mexico 88201

John Anderson Jr.
(Address Unknown/Publication Notice Given)

John Turner
(Address Unknown/Publication Notice Given)

Mark Wilson
4501 Green Tree Blvd.
Midland, Texas 79707

AJ Lossee
P.O. Drawer 1720
Artesia, New Mexico 88211-1720

Boling Enterprises
P.O. Box 2563
Roswell, New Mexico 88202

ML Boling Development LLC
P.O. Box 1514
Roswell, New Mexico 88202

**Operating Rights Owners: Surface-Base of San Andres Formation:
SE/4 SW/4, NW/4 SW/4 & SW/4 NW/4 Section 32-16S-30E
State Lease No. B-2175-10**

Christine & James Thompson, Jr.
325 North St. Paul, Suite 4300
Dallas, Texas 75201

Additional Notice:

Surface Owner

Carlsbad Field Office
Bureau of Land Management
620 E. Green Street
Carlsbad, New Mexico 88220

Oil Conservation Division (Artesia Office)
1301 W. Grand Avenue
Artesia, New Mexico 88210

Marbob Energy Corporation
Box 227
Artesia, New Mexico 88211-0227

**(Note: Marbob Energy Corporation operates the Six Pack Federal Com No. 1 (30-015-35131)
(Unit F), a deep gas well dedicated to a 320-acre gas spacing unit comprising the N/2 of
Section 6-17S-30E)**

Form C-108
C F M Oil Co. dba Louis and Judy Fulton
Dekalb Federal Wells No. 1 & 3
Federal "E" No. 3
Section 31, T-16 South, R-30 East, NMPM,
Eddy County, New Mexico

The following legal publication notice was published on October 6, 2010 in the:

Artesia Daily Press
P.O. Box 190
Artesia, New Mexico 88210-0190

C F M Oil Company dba Louis and Judy Fulton, P.O. Box 1176, Artesia, New Mexico, 88210, has filed a Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division seeking administrative approval to re-activate the following-described previously-approved injection wells within the Square Lake 31 Unit Waterflood Project, Square Lake Grayburg-San Andres Pool, Eddy County, New Mexico:

**Dekalb Federal No. 1 API No. 30-015-03950 660' FSL & 660' FEL (Unit P)
Section 31, T-16S, R-30E
Injection Interval: 2,639'-2,809' (Perforated)**
**Dekalb Federal No. 3 API No. 30-015-03952 1980' FSL & 1980' FEL (Unit J)
Section 31, T-16S, R-30E
Injection Interval: 2,603'-2,785' (Perforated)**
**Federal "E" No. 3 API No. 30-015-03960 1980' FNL & 1977' FWL (Unit F)
Section 31, T-16S, R-30E
Injection Interval: 2,722'-2,753' (Open-Hole)**

Produced water from the Square Lake Grayburg-San Andres Pool will be injected into the wells at average and maximum rates of 300 and 500 barrels of water per day, respectively. The average and maximum surface injection pressure for each well is anticipated to be 520 psi and 1,200 psi, respectively.

Interested parties must file objections with the New Mexico Oil Conservation Division, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505, within 15 days of the date of this publication.

Additional information can be obtained by contacting Mr. David Catanach, Agent for C F M Oil Co. dba Louis and Judy Fulton at (505) 690-9453.

(Note: Publication Affidavit will be forwarded to OCD upon receipt)

(Note: Publication Affidavit will be forwarded to OCD upon receipt.)

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Sent To *BLM-Carlsbad Field Office*
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Sent To *Marbbs Energy Corp.*
 Street, Apt. No., or PO Box No. *Box 227*
 City, State, ZIP+4[®] *Artesia, New Mexico 88211-0227*

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Sent To *Christine & James Thompson Jr.*
 Street, Apt. No., or PO Box No. *325 N. St. Paul Suite 4300*
 City, State, ZIP+4[®] *Dallas, Texas 75201*

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 Street, Apt. No., or PO Box No. *P.O. Box 3092*
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| Total Postage & Fees | \$ | \$7.51 |

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Sent To *Robert H. Forrest, Jr. Oil, LLC*
 Street, Apt. No., or PO Box No. *609 Elora Drive*
 City, State, ZIP+4[®] *Carlsbad, New Mexico 88220*

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Sent To *Chi Energy, Inc.*
Street, Apt. No., or PO Box No. *P.O. Box 1799*
City, State, ZIP+4[®] *Midland, Texas 79702*
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Sent To *Louis Fulton & B.N. Murry*
Street, Apt. No., or PO Box No. *Box 370*
City, State, ZIP+4[®] *Artesia, New Mexico 88210*
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Sent To *EOG Resources, Inc.*
Street, Apt. No., or PO Box No. *Box 2267*
City, State, ZIP+4[®] *Midland, Texas 79702*
PS Form 3800, June 2002 See Reverse for Instructions

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| Restricted Delivery Fee (Endorsement Required) | \$ 0.00 |
| Total Postage & Fees | \$ 7.51 |

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OCT 8 2010
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Sent To *Murchison Oil & Gas Inc.*
Street, Apt. No., or PO Box No. *1100 Mira Vista Blvd.*
City, State, ZIP+4[®] *Plano, Texas 75093-4698*
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| Total Postage & Fees | \$ 7.51 |

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CORONADO

Sent To *McCombs Energy, LLC*
Street, Apt. No., or PO Box No. *5599 San Felipe, Suite 1200*
City, State, ZIP+4[®] *Houston, Texas 77056*
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| Total Postage & Fees | \$ 7.51 |

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OCT 8 2010
USPS SAN ANTONIO, TX
CORONADO

Sent To *Lothian Oil Texas I, Inc.*
Street, Apt. No., or PO Box No. *2602 McKinney Ave Suite 240*
City, State, ZIP+4[®] *Dallas, Texas 75204*
PS Form 3800, June 2002 See Reverse for Instructions

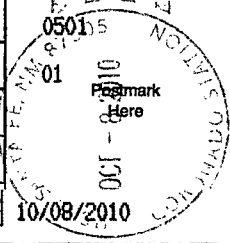
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HOUSTON TX 77077 OFFICIAL USE

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Sent To: Tandem Energy Corp.
Street, Apt. No., or PO Box No. 11490 Westheimer Rd. Suite 1000
City, State, ZIP+4 Houston, Texas 77077

PS Form 3800, June 2002 See Reverse for Instructions

Affidavit of Publication

NO.

21397

STATE OF NEW MEXICO

County of Eddy:

Walter L. Green

Walter L. Green

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 October 6, 2010

Second Publication

Third Publication

Fourth Publication

Fifth Publication

Subscribed and sworn to before me this

6th day of October 2010



OFFICIAL SEAL

Danny Scott

NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 3/18/2014

Danny Scott

Danny Scott

Notary Public, Eddy County, New Mexico

Copy of Publication:

LEGAL NOTICE

C F M Oil Company dba Louis and Judy Fulton, P.O. Box 1176, Artesia, New Mexico, 88210, has filed a Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division seeking administrative approval to re-activate the following-described previously-approved injection wells within the Square Lake 31 Unit Waterflood Project, Square Lake Grayburg-San Andres Pool, Eddy County, New Mexico:

| | |
|----------------------|---|
| Dekalb Federal No. 1 | API No. 30-015-03950 660' FSL & 660' FEL (Unit P) Section 31, T-16S, R-30E Injection Interval: 2,639'-2,809' (Perforated) |
| Dekalb Federal No. 3 | API No. 30-015-03952 1980' FSL & 1980' FEL (Unit J) Section 31, T-16S, R-30E Injection Interval: 2,603'-2,785' (Perforated) |
| Federal "E" No. 3 | API No. 30-015-03960 1980' FNL & 1977' FWL (Unit F) Section 31, T-16S, R-30E Injection Interval: 2,722'-2,753' (Open-Hole) |

Produced water from the Square Lake Grayburg-San Andres Pool will be injected into the wells at average and maximum rates of 300 and 500 barrels of water per day, respectively. The average and maximum surface injection pressure for each well is anticipated to be 520 psi and 1,200 psi, respectively.

Interested parties must file objections with the New Mexico Oil Conservation Division, 1220 S. St Francis Drive, Santa Fe, New Mexico 87505, within 15 days of the date of this publication.

Additional information can be obtained by contacting Mr. David Catanach, Agent for C F M Oil Co. dba Louis and Judy Fulton at (505) 690-9453.

Published in the Artesia Daily Press, Artesia, N.M., October 6, 2010. Legal No. 21397.

October 19, 2010

RECEIVED OCD

2010 OCT 20 P 1:15

Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Attention: Mr. Terry Warnell

Re: Form C-108 Personal Publication Notice
C F M Oil Co. dba Louis and Judy Fulton
Dekalb Federal Wells No. 1 & 3
Federal "E" Well No. 3
Square Lake Grayburg-San Andres Pool (57570)
Eddy County, New Mexico

Dear Mr. Warnell,

On October 8, 2010, I filed a Form C-108 application on behalf of CFM Oil Co. dba Louis and Judy Fulton for the Dekalb Federal Wells No. 1 and 3 and the Federal "E" Well No. 3. I was unable to provide personal notice of the application to Mr. John Anderson, Jr. and Mr. John Turner, both of whom are offset leasehold owners, because I was unable to find an address for these parties. Consequently, I was directed by Mr. David Brooks to publish personal notice to these parties. Enclosed is the personal publication notice that was published in the Artesia Daily Press on October 10, 2010.

If you have any questions, please call me at (505) 690-9453.

Sincerely,



David Catanach
Agent for C F M Oil Co. dba Louis and Judy Fulton
P.O. Box 1176
Artesia, New Mexico 88210

Affidavit of Publication

NO. 21400

STATE OF NEW MEXICO

County of Eddy:

Walter L. Green

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1 Consecutive weeks/days on the same
day as follows:

First Publication October 10, 2010

Second Publication

Third Publication

Fourth Publication

Fifth Publication

Subscribed and sworn to before me this

11th day of October 2010



OFFICIAL SEAL
Danny Scott
NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 3/12/2014

Danny Scott

Danny Scott
Notary Public, Eddy County, New Mexico

Copy of Publication:

LEGAL NOTICE

To: John Anderson, Jr. and John Turner, or their heirs or devisees: C F M Oil Company dba Louis and Judy Fulton, P.O. Box 1176, Artesia, New Mexico, 88210, has filed a Form C-108 (Application for Authorization to Inject) with the Oil Conservation Division seeking administrative approval to re-activate the following-described previously-approved injection wells within the Square Lake 31 Unit Waterflood Project, Square Lake Grayburg-San Andres Pool, Eddy County, New Mexico:

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Additional information can be obtained by contacting Mr. David Catanach, Agent for C F M Oil Co. dba Louis and Judy Fulton at (505) 690-9453.

These wells are located approximately 4 miles northwest of Loco Hills, New Mexico. Published in the Artesia Daily Press, Artesia, N.M., October 10, 2010. Legal No. 21400.