

PADILLA LAW FIRM, P.A.

STREET ADDRESS
1512 S. ST. FRANCIS DRIVE
SANTA FE, NM 87505

MAILING ADDRESS
P.O. BOX 2523
SANTA FE, NEW MEXICO 87504-2523

EMAIL ADDRESS
padillalawnm@outlook.com

TELEPHONE
505-988-7577

FACSIMILE
505-988-7592

September 3, 2024

Gregory Chakalian
Hearing Examiner
EMNRD-Oil Conservation Division
1220 South St. Francis Drive, 3rd Floor
Santa Fe, NM 87507

Re: *OCD Cases 24605-Re-submitted Hearing Exhibits*

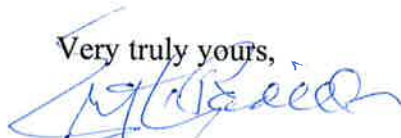
Mr. Chakalian,

We are re-submitting the Hearing packet for the above referenced case in accordance with your instructions at the hearing on August 29th. There was some confusion at the hearing about whether Joe Kent had a self-affirmed statement in this case. The only submission for Mr. Kent in this case is an Affidavit of Notice included herein as Exhibit A-3. In this regard, I have added to my self-affirmed statement included herein as Exhibit D indicating that I reviewed the notice packet and that the notices sent by Mr. Kent were correct and accurate, under my instructions and supervision.

Included in this re-submission of an exhibit packet is a complete version of the C-108 application. In our original hearing submission not all of the C-108 was included because there was an upload failure. Additionally, we have included a geologic cross section included herein as Exhibit A-1 with all injector conversions and new-drill injections included in the C-108 application. The "QUEEN BASE" marker on the cross section is a depth/interpolated depth of the base of the unitized interval in each well as stratigraphically defined by the Langlie Jal Unit #017 (first well on cross section). The cross section illustrates that the injection interval for all injector-conversions and new-drill injectors will fall within the unitized interval of the proposed North Jal Unit. We included this cross-section at the request of one of the technical examiners during the hearing.

Please let us know if you require additional information.

Thank You.

Very truly yours,

ERNEST L. PADILLA

xc: FAE II Operating, LLC

**STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION**

**APPLICATION OF FAE II OPERATING, LLC
TO CONVERT PRODUCING WELLS AND/OR DRILL
NEW INJECTION WELLS FOR WATERFLOOD
OPERATIONS, LEA COUNTY, NEW MEXICO**

CASE NO. 24605

RE-SUBMITTED HEARING EXHIBITS

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STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION

APPLICATION OF FAE II OPERATING, LLC FOR
APPROVAL OF AN ENHANCED OIL RECOVERY
PROJECT AND TO QUALIFY THE PROJECT FOR
THE RECOVERED OIL TAX RATE,
LEA COUNTY, NEW MEXICO.

CASE NO. _____

APPLICATION (RE-FILED)

FAE II Operating, LLC ("FAE" or "Applicant") applies for an order approving an enhanced oil recovery project and qualifying the project for the recovered oil tax rate. In support of this application, applicant states the following.

1. Applicant (OGRID No. 329326) is engaged in the business of producing and selling oil and gas.
2. Applicant's address is 11757 Katy Freeway, Suite 725, Houston, Texas 77079, (832) 706-0041.
3. Applicant is a working interest owner in the proposed North Jal Unit (the "Unit Area"), which comprises 3,154.37 acres of the following federal, state, and fee lands located in Lea County, New Mexico:

Township 24 South, Range 36 East, N.M.P.M.

Section 25: S/2
Section 26: E2SE
Section 35: E2NE
Section 36: ALL

Township 24 South, Range 37 East, N.M.P.M.

Section 19: E/2
Section 20: SW/4, SWNW
Section 29: W/2
Section 30: NE/4, S/2
Section 31: N2NW

Township 25 South, Range 36 East, N.M.P.M.

Section 1: All

4. The unitized interval is the Yates – Seven Rivers – Queen formations, as further described in the unitization application filed concurrently with this application.

5. Applicant will be the operator of the Unit Area.

6. Applicant proposes to institute an enhanced oil recovery project (secondary and tertiary recovery) in the Unit Area through the injection of water and gas (natural gas and/or carbon dioxide).

7. Applicant proposes to initially inject water into the Yates – Seven Rivers – Queen formations through the following wells:

Existing Langlie Mattix; Seven Rivers – Queen Wells to be Converted to Injection

API NUMBER: 30-025-25608 Well: CITIES THOMAS #3 Location: 24S-37E Sec 19 Footages:660 FEL 2310 FNL	API NUMBER: 30-025-25755 Well: ADELE SOWELL #2 Location: 24S-37E Sec 19 Footages:660 FEL 1650 FSL
API NUMBER: 30-025-25630 Well: ADELE SOWELL #1 Location: 24S-37E Sec 19 Footages:990 FEL 330 FSL	API NUMBER: 30-025-26437 Well: KIMMY #3 Location: 24S-37E Sec 29 Footages:330 FWL 1650 FSL
API NUMBER: 30-025-33881 Well: C D WOOLWORTH #10 Location: 24S-37E Sec 30 Footages:2630 FEL 1400 FSL	

Proposed New Drill Injection Wells	
Well: FLUOR HARRISON #2 Location: 24S-37E Sec 20 Footages:1158 FSL 1136 FWL	Well: KIMMY #5 Location: 24S-37E Sec 29 Footages:201 FNL 1120 FWL
Well: KIMMY #6 Location: 24S-37E Sec 29 Footages:1085 FSL 1299 FWL	Well: JACK B 30 #5 Location: 24S-37E Sec 30 Footages:1030 FNL 1416 FEL
Well: JACK B 30 #6 Location: 24S-37E Sec 30 Footages:1348 FNL 250 FEL	Well: JACK B 30 #7 Location: 24S-37E Sec 30 Footages:2320 FNL 248 FEL
Well: JACK B 30 #8 Location: 24S-37E Sec 30 Footages:2523 FNL 1340 FEL	Well: C D WOOLWORTH #12 Location: 24S-37E Sec 30 Footages:1461 FSL 1210 FEL
Well: C D WOOLWORTH #13 Location: 24S-37E Sec 30 Footages:1323 FSL 1212 FWL	Well: C D WOOLWORTH #14 Location: 24S-37E Sec 30 Footages:109 FSL 1249 FWL

8. Additional injection wells will also be drilled on an ongoing basis. The injection wells within the Unit Area are anticipated to be a combination of existing well conversions and new drills. Applicant seeks authorization to add injection wells to the project administratively, including wells that are converted and wells that will be used for the injection of gas.

9. Applicant requests that the enhanced oil recovery project for the Unit Area be qualified for the recovered oil tax rate, pursuant to the Enhanced Oil Recovery Act, NMSA 1978, Sections 7-29A-1 to -5, and New Mexico Oil Conservation Division ("Division") regulations.

Project data includes:

- (a) Number of initial producing wells: 27
- (b) Number of initial injection wells: 1
- (c) Number of injection wells at full development: 16
- (d) Capital costs of initial additional facilities: \$1,275,000
- (e) Estimated total initial project cost: \$17,341,000

- (f) Estimated value of incremental production (PV10): \$17,847,930
- (g) Estimated injection commencement date: April 2025
- (h) Type of injected fluid: Produced water
- (i) Anticipated injection volumes: 600-1500 BWPD/injector (pressure dependent - using a 0.25 psi/ft gradient, max injection pressure would be 850-925 psi for 3400-3700' perf depths)

10. The Form C-108 for the existing Langlie Mattix; Seven Rivers – Queen wells to be converted to injectors or newly drilled is attached as Exhibit A.

11. Approval of this project will prevent waste and protect correlative rights.

WHEREFORE, applicant requests that this application be set for hearing on July 11, 2024, after notice and hearing, the Division enter its order approving the application, and qualifying the enhanced oil recovery project as an Enhanced Oil Recovery Project subject to the recovered oil tax rate.

Respectfully submitted,

PADILLA LAW FIRM, P.A.

/s/ Ernest L. Padilla

ERNEST L. PADILLA

P.O. Box 2523

Santa Fe, NM 87504

Phone: (505) 988-7577

padillalawnm@outlook.com

Counsel for FAE II Operating, LLC

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

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

Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: Secondary Recovery Pressure Maintenance Disposal Storage
Application qualifies for administrative approval? Yes No
- II. OPERATOR: FAE II Operating, LLC
ADDRESS: 11757 Katy Freeway, Suite 725, Houston, TX 77079
CONTACT PARTY: Jessica LaMarro PHONE: (832) 706 0049
- 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: _____
- 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: Jessica LaMarro TITLE: Geologist
SIGNATURE: _____ DATE: _____
E-MAIL ADDRESS: Jessica@faenergyus.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: _____

Side 2

III. WELL DATA

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

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

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

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

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

XIV. PROOF OF NOTICE

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

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

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

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

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

Side 1

INJECTION WELL DATA SHEET

OPERATOR: _____
WELL NAME & NUMBER: _____
WELL LOCATION: _____

FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE
WELLBORE SCHEMATIC WELL CONSTRUCTION DATA

Surface Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. *or* _____ ft³

Top of Cement: _____ Method Determined: _____

Intermediate Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. *or* _____ ft³

Top of Cement: _____ Method Determined: _____

Production Casing

Hole Size: _____ Casing Size: _____

Cemented with: _____ sx. *or* _____ ft³

Top of Cement: _____ Method Determined: _____

Total Depth: _____

Injection Interval

_____ feet to _____

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: _____ Lining Material: _____

Type of Packer: _____

Packer Setting Depth: _____

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? _____ Yes _____ No

If no, for what purpose was the well originally drilled? _____

2. Name of the Injection Formation: _____

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

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

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

Part III.

III. Well Data
 (Well 1 of 15)

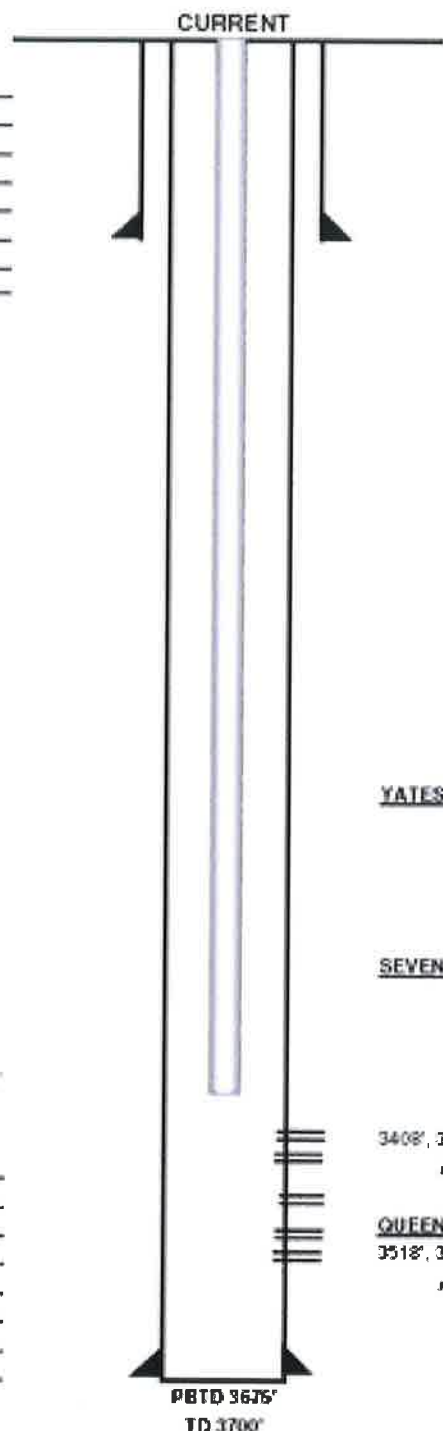
INJECTION WELL DATA SHEET

Well Name: CITIES THOMAS #003 Lease No: _____ Lease Type: FEE
 Township: 24S Range: 37-E Sec: 19-H Location: 2310' FNL & 660' FEL
 County: Lea State: NM A.P.I.: 30-025-25608 Formation: [37240] LANGLEY MATTIX; 7 RVERS-QUEEN-GB

Surface Cas
 Size: 8-5/8"
 Wt & Thrd: 28#
 Grade: B ST&C
 Set @: 445'
 Sgs Cmt: 300 sxs
 Circ: 50 sxs
 TOC: Surface
 Hole Size: 11"

K8: 3302
 DF: _____
 GL: 3291'
 Spud Date: 8/17/1977
 Compl Date: 9/12/1977

History - Highlights
 08/1977 - 09/1988: D&C well



YATES (Top @ 2957')

SEVEN RIVERS (Top @ 3199')

EOT 3350'

Production Cas
 Size: 4-1/2"
 Wt & Thrd: 10.5#
 Grade: J-55 ST&C
 Set @: 3700'
 Sgs Cmt: 1000 sxs
 Circ: 175 sxs
 TOC: Surface
 Hole Size: 7-7/8"

3408', 3413', 3423', 3433', 3445', 3481' (1 SPF) - Sept 1977
 Acidize w/ QUEEN 4000 gal 15% MCA, SWF w/ 50,000 gals & 85,000# sand

QUEEN (Top @ 3505')
3518', 3528', 3531', 3550', 3555' (1 SPF) - Sept 1977
 Acidize w/ Lwr 7 RVRs 4000 gal 15% MCA; SWF w/ 50,000 gals & 85,000# sand

PBTD 3675'
 TD 3700'

<u>Tubulars - Capacities and Performance</u>	
2-3/8" 4.7# J-55 BRD EVE tubing (open-ended) set @ 3350'	

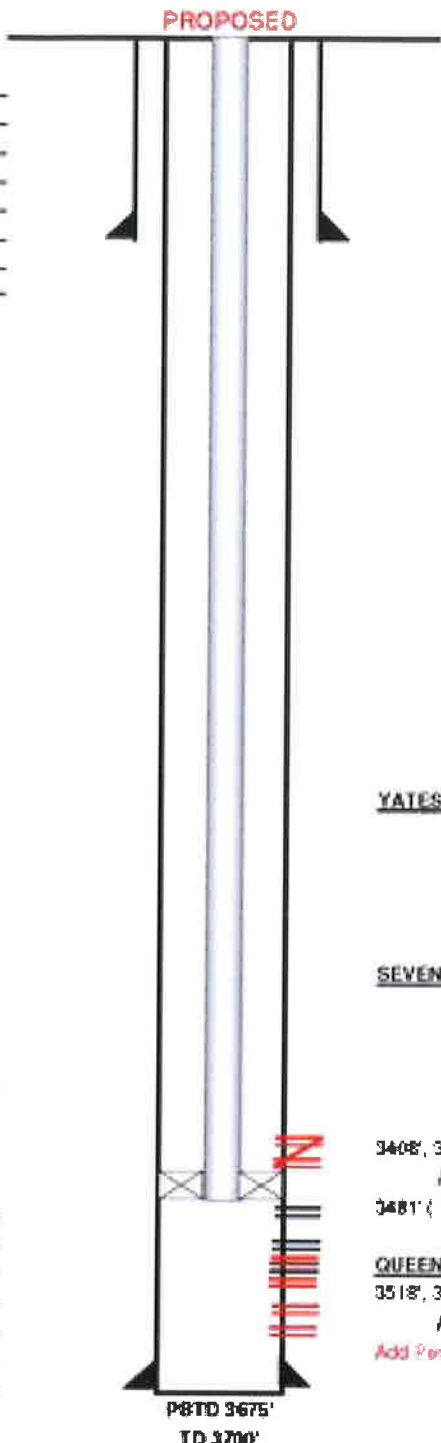
iii. Well Data
 (Well 1 of 15)

INJECTION WELL DATA SHEET

Well Name: CITIES THOMAS #003 Lease No: _____ Lease Type: FEE
 Township: 24S Range: 37-E Sec: 19-H Location: 2310' FNL & 660' FEL
 County: Lea State: NM API: 30-025-25608 Formation: [37240] LANGUE MATTIX:7 RVRS-QUEEN-GB

Surface Csg
 Size: 8-5/8"
 Wt.&Thrd: 28#
 Grade: B ST&C
 Set @: 445'
 Sxs cmt: 300 sxs
 Circ: 50 sxs
 TOC: Surface
 Hole Size: 11"

KB: 3902'
 DF: _____
 GL: 3291'
 Spud Date: 8/17/1977
 Compl Date: 9/12/1977



History - Highlights
 08/1977 - 09/1988: D&C well

PROPOSED: Convert to injector. Sept perfs @ 3408' - 3445'; add perfs within injection interval & acidize Lwr 7 RVRS & QUEEN perfs together w/ total of 5000 gals 15% HCL, 500# rock salt, & 300 lbs treated FW. Run 2-3/8" Internally Plastic Coated (IPC) injection tubing string & 2-5/8" x 4-1/2" AS1-X packer w/ On/Off tool. Set pkr @ ~3460'. Perform MIT test and chart for 30 min. Begin injection into interval (3470'-3660').

Proposed Injection Interval

Seven Rivers/Queen Inj. Zone
 ~3,445' to 3,660'
 Zone will be Perforated

YATES (Top @ 2857')

SEVEN RIVERS (Top @ 3199')

2-3/8" IPC Top above pkr
 Injection Pkr 3460'

Production Csg
 Size: 4-1/2"
 Wt.&Thrd: 10.5#
 Grade: J-55 ST&C
 Set @: 3700'
 Sxs Cmt: 1000 sxs
 Circ: 175 sxs
 TOC: Surface
 Hole Size: 7-7/8"

3408', 3413', 3423', 3433', 3445' (1 SPF) - Sept 1977 (**PROPOSED - SQUEEZE**)
 Acidize w/ QUEEN 4000 gal 15% MCA; SWF w/ 50,000 gals & 85,000# sand
 3481' (1 SPF) - Sept 1977

QUEEN (Top @ 3505')
 3518', 3528', 3531', 3550', 3555' (1 SPF) - Sept 1977
 Acidize w/ Lwr 7 RVRS 4000 gal 15% MCA; SWF w/ 50,000 gals & 85,000# sand
 Add Perfs in injection interval (3470'-3660') for watershed conformance (**PROPOSED**)

PBTD 3675'
 TD 3700'

Tubulars - Capacities and Performance
2-3/8" 4.7# J-55 SRD EUE Internally Plastic Coated Tubing, AS1-X Nickel-coated Packer w/ On/Off tool, packer set @ ~3460'

iii. Well Data

INJECTION WELL DATA SHEET

(Well 1 of 15)

OPERATOR: FAE II Operating, LLC

API NUMBER: 30-025-25608

WELL NAME & NUMBER: CITIES THOMAS #3

WELL LOCATION: <u>2310 FNL 660 FEL</u>	<u>H</u>	<u>19</u>	<u>24S</u>	<u>37E</u>
FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

Additional Data

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

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

- Originally and currently a Gas well.

2. Name of the Injection Formation:

- Seven Rivers and Queen Formations

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

- [33820] JALMAT;TAN-YATES-7 RVRS (OIL) ;
- [37240] LANGLIE MATTIX;7 RVRS-Q-GRAYBURG

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

- This well has only been perforation within the Seven Rivers and Queen Formations.

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

- Overlying Oil/Gas Zone: Yates/Seven Rivers
 - Depth of Zone: 2,957'
- Underlying Oil Zone: Grayburg
 - Depth of Zone: +/- 4,000'

III. Well Data
 (Well 2 of 15)

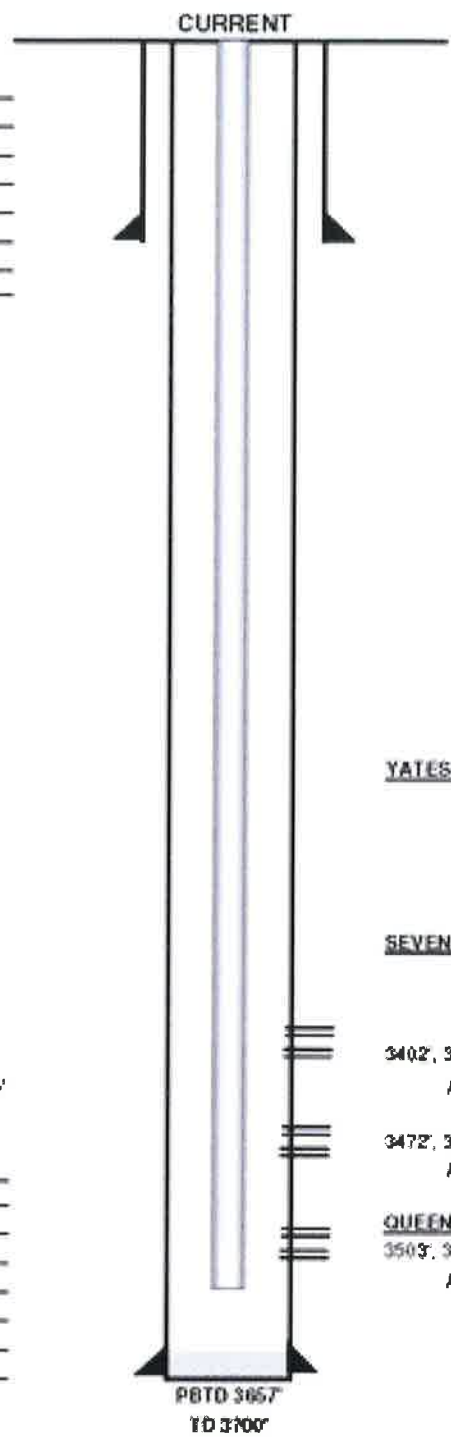
INJECTION WELL DATA SHEET

Well Name: ADELE SOWELL #001 Lease No: _____ Lease Type: FEE
 Township: 24S Range: 37-E Sec: 19-P Location: 330 FSL & 090 FEL
 County: Lea State: NM API: 30-025-25630 Formation: [172#] LANGLEY MATTOUR RIVERS QUEEN (Q)

Surface Cas
 Size: 8-5/8"
 Wt. & Thrd: 28#
 Grade: B ST&C
 Set @: 463'
 Size cmf: 300 sxs
 Cmc: 25 sxs
 TOC: Surface
 Hole Size: 11"

KB: 3285'
 DF: 3285'
 QL: 3275'
 Spud Date: 8/27/1977
 Compl. Date: 9/23/1977

History - Highlights
 08/1977 - 09/1988 - O&C well



YATES (Top @ 2935')

SEVEN RIVERS (Top @ 3175')

SN 3545'

3402', 3406', 3410', 3414', 3418', 3424', 3428', 3432', 3436' (1 SPF) - Oct 1977
 Acidized w/ QUEEN 4,000 gals 15% MCA; SWF w/ 50,000 gals & 80,000# sand

3472', 3476', 3492' (1 SPF) - Oct 1977
 Acidized w/ QUEEN 4,000 gals 15% MCA; SWF w/ 50,000 gals & 80,000# sand

Production Cas
 Size: 4-1/2"
 Wt. & Thrd: 10.5#
 Grade: J-55 ST&C
 Set @: 3599'
 Size cmf: 900 sxs
 Cmc: 100 sxs
 TOC: Surface
 Hole Size: 7-7/8"

QUEEN (Top @ 3500')
 3503', 3507', 3511', 3515' (1 SPF) - Oct 1977
 Acidized w/ Lwr 7 RVRs 4,000 gals 15% MCA; SWF w/ 50,000 gals & 80,000# sand

<u>Tubulars - Capacities and Performance</u>	
2-3/8" Tubing (111 @ 2-3/8" Reg. SN)	
Rods: 140- 3/4" rods, 2- subs	

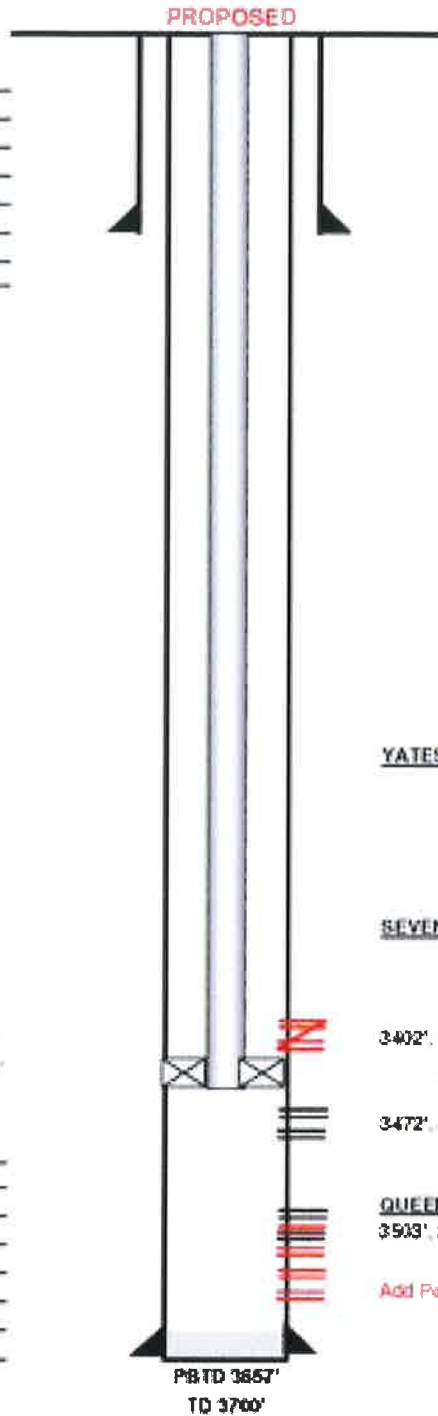
iii. Well Data
 (Well 2 of 15)

INJECTION WELL DATA SHEET

Well Name: ADELE SOWELL #001 Lease No: _____ Lease Type: FEE
 Township: 24S Range: 07-E Sec: 19-P Location: 330 FSL & 090 FEL
 County: Lea State: NM API: 30-025-25630 Formation: [5249] LARKIN II MATRIX / IVYBIS QUEEN CGL

Surface Csg
 Size: 8-5/8"
 Wt & Thd: 20#
 Grade: B ST&C
 Set @: 463'
 Szs cmt: 300 sxs
 Circ: 25 sxs
 TOC: Surface
 Hole Size: 11"

KB: 3286'
 DF: 3285'
 GL: 3275'
 Spud Date: 8-27-1977
 Compl. Date: 9-23-1977



History - Highlights
 08/1977 - 09/1988: O&C well

PROPOSED: Convert to injector - Set pkr @ 3402' - 3436', add pkr within injection interval in Upper and Middle QUEEN addize together w/ total of 5000 gals 15% HCL, 500# rock salt, & 300 lbs treated FW. Run 2-3/8" Internally Plastic Coated (IPC) injection tubing string & 2-3/8" x 4-1/2" ASI-X packer w/ ON/OFF tool. Set pkr @ ~3450'. Perform MIT test and chart for 30 min. Begin injection into interval (3450'-3660').

Proposed Injection Interval
 Seven Rivers/Queen Inj. Zone
 ~3,450' to 3,660'
 Zone will be Perforated

YATES (Top @ 2935')

SEVEN RIVERS (Top @ 3175')

2-3/8" IPC Tbg above pkr
 Injection Pkr 3450'

3402', 3406', 3410', 3414', 3418', 3424', 3428', 3432', 3436' (1 SPF) - Oct 1977 [PROPOSED]
 Acidized w/ QUEEN 4,000 gals 15% MCA; SWF w/ 50,000 gals & 80,000# sand

3472', 3476', 3482' (1 SPF) - Oct 1977
 Acidized w/ QUEEN 4,000 gals 15% MCA; SWF w/ 50,000 gals & 80,000# sand

QUEEN (Top @ 3500')
 3503', 3507', 3511', 3515' (1 SPF) - Oct 1977
 Acidized w/ Lwr 7 RVRs 4,000 gals 15% MCA; SWF w/ 50,000 gals & 80,000# sand
 Add Pkr in Upper & Middle Queen in injection interval (3450'-3660') - [PROPOSED]
 Addize entire injection interval w/ 5000 gals 15% HCL acid, 500# rock salt, 300 BFW

Production Csg
 Size: 4-1/2"
 Wt & Thd: 10.5#
 Grade: J-55 ST&C
 Set @: 3695'
 Szs Cmt: 900 sxs
 Circ: 100 sxs
 TOC: Surface
 Hole Size: 7-7/8"

PBTD 3657'
 TD 3700'

Tubulars - Capacities and Performance
2-3/8" 4.7# J-55 8RD EUE Internally Plastic Coated Tubing, ASI-X Nickel-coated Packer w/ On/Off tool, packer set @ - 3450'

INJECTION WELL DATA SHEET

(Well 2 of 15)

OPERATOR: FAE II Operating, LLC

API NUMBER: 30-025-25630

WELL NAME & NUMBER: ADELE SOWELL #1

WELL LOCATION: 330 FSL 990 FEL	P	19	24S	37E
FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

Additional Data

1. Is this a new well drilled for injection? _____ Yes **X** No

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

- Originally and currently a Gas well.

2. Name of the Injection Formation:

- Seven Rivers and Queen Formations

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

- [33820] JALMAT; TAN-YATES-7 RVR (OIL) ;
- [37240] LANGLIE MATTIX; 7 RVR-Q-GRAYBURG

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

- This well has only been perforation within the Seven Rivers and Queen Formations.

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

- Overlying Oil/Gas Zone: Yates/Seven Rivers
 - Depth of Zone: 2,935'
- Underlying Oil Zone: San Andres
 - Depth of Zone: +/- 4,000'

iii. Well Data
 (Well 3 of 15)

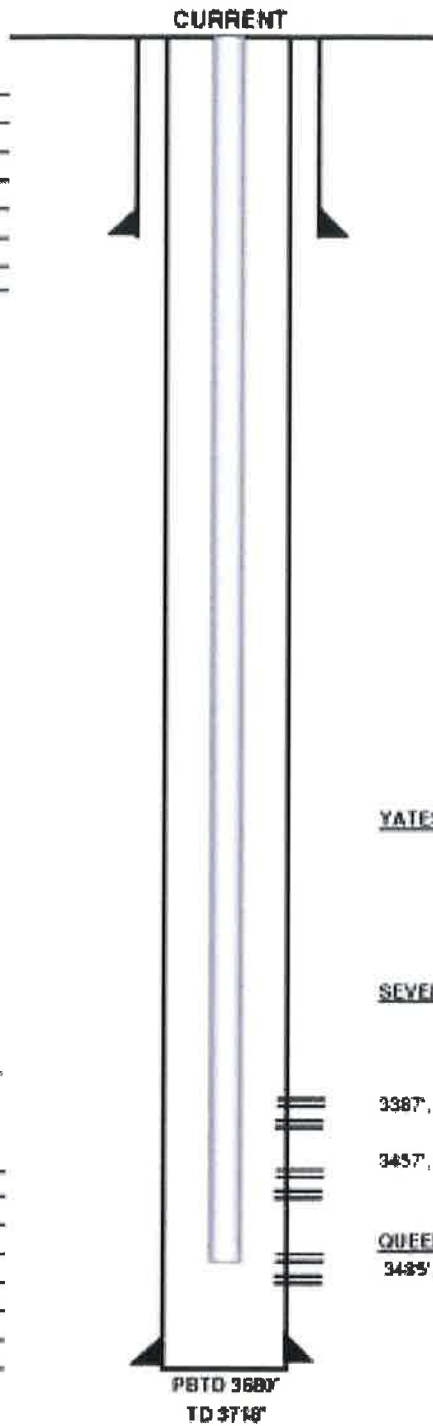
INJECTION WELL DATA SHEET

Well Name: ADELE SOWELL #002 Lease No: _____ Lease Type: FEE
 Township: 24S Range: 37E Sec: 19-1 Location: 1650 FSL & 660 FEL
 County: Lea State: NM API: 30-025-25755 Formation: [172-6] LANKIE MATRIX, F RIVERS, QUEEN GR

Surface Casg
 Size: 8-5/8"
 Wt & Thrd: 28#
 Grade: B 578C
 Set @: 468'
 Size cmf: 325 sqs
 Circ: 80 sxs
 TOC: Surface
 Hole Size: 12-1/4"

KB: 3293'
 DF: 3292'
 GL: 3283'
 Spud Date: 1/5/1978
 Compl. Date: 1/31/1978

History - Highlights
01/19/78, O&C well



YATES (Top @ 2830')

SEVEN RIVERS (Top @ 3175')

EOY 3487'

Production Casg
 Size: 4-1/2"
 Wt & Thrd: 10.5#
 Grade: J-55 ST&C
 Set @: 3718'
 Size cmf: 900 sqs
 Circ: 55 sxs
 TOC: Surface
 Hole Size: 7-7/8"

3387', 3391', 3394', 3397', 3400', 3406', 3409', 3412' (1 SPF) - Feb 1978
 Acidized w/ QUEEN 4500 gals 15% MCA; SWF w/ 50,000 gals + 25,000# sand
 3457', 3460', 3463' (1 SPF) - Feb 1978
 Acidized w/ QUEEN 4500 gals 15% MCA; SWF w/ 50,000 gals + 25,000# sand
QUEEN (Top @ 3465')
 3485', 3488', 3491', 3494', 3497' (1 SPF) - Feb 1978
 Acidized w/ Lwr 7 RVRs 4500 gals 15% MCA; SWF w/ 50,000 gals + 25,000# sand

<u>Tubulars - Capacities and Performance</u>	
2-3/8" x 7# Tubing @ 3487'	

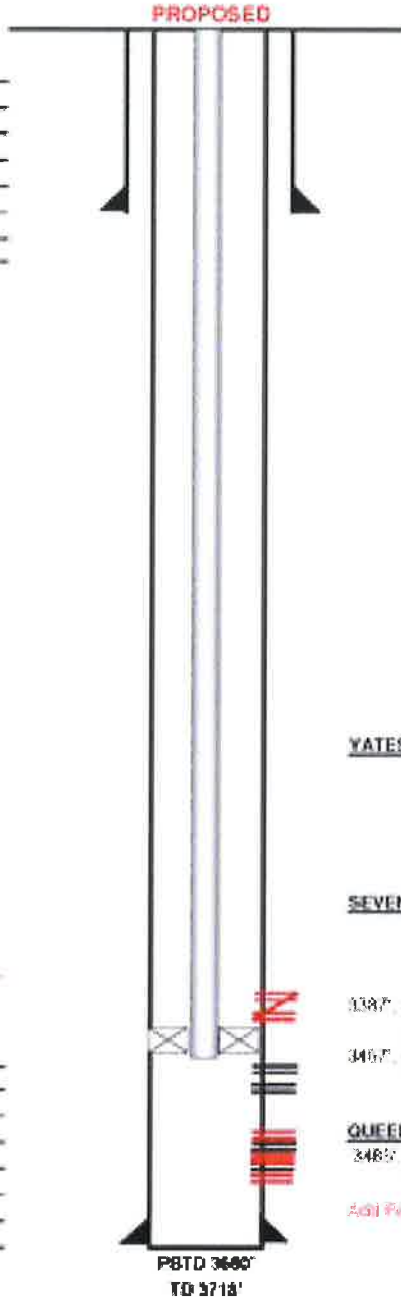
(Well 3 of 15)

INJECTION WELL DATA SHEET

Well Name: ADELE SOWELL #002 Lease No: _____ Lease Type: FEE
 Township: 24S Range: 07-E Sec: 19-S Location: 1650 FSL & 660 FEL
 County: Lea State: NM APN: 30-025-25755 Formation: 10148 LAGUNA SANDST 7 RIVERS QUEEN INJ

Surface Cas
 Size: 8.58"
 Wt. & Thrd: 22#
 Grade: BSF&C
 Set @: 400
 Sgs Cmt: 320 sgs
 Circ: 60 sgs
 TOC: Surface
 Hole Size: 12.134"

KB: 3093
 DF: 3202
 CL: 3285
 Spud Date: 1/05/07
 Compl. Date: 1/31/07



History - Highlights
 01/19/07: [X&C well]
PROPOSED: Convert to Injection: Set pckts @ 3307' - 3412' add pckts within injection interval in Upper and Middle QUEEN, packize together w/ total of 5000 gals 15% HCL, 600# rock salt & 200 lbs treated F.W. Run 2.3/8" Internally Plastic Coated (IPC) injection tubing string 8' 2.3/8" x 4'-10" AS1 X packer w/ ON/OFF tool. Set pkr @ ~3400'. Perform MIT test and shut in for 30 min. Begin injection into interval (3440'-3640').

Proposed Injection Interval
Seven Rivers/Queen Inj. Zone
~3,440' to 3,640'
Zone will be Perforated

YATES (Top @ 2930')

SEVEN RIVERS (Top @ 3175')

3387', 3391', 3394', 3397', 3400', 3403', 3406', 3409', 3412' (1 SPT) - Feb 19/08 [PROPOSED SKANEBELE]

Applied w/ QUEEN 4500 gals 15% MCA, SWF w/ 50,000 gals + 65,000# sand

3415', 3420', 3423' (1 SPT) - Feb 19/08

Applied w/ QUEEN 4500 gals 15% MCA, SWF w/ 50,000 gals + 65,000# sand

QUEEN (Top @ 3485')

3485', 3489', 3491', 3494', 3497' (1 SPT) - Feb 19/08

Applied w/ Low 7 RIVERS 4500 gals 15% MCA, SWF w/ 50,000 gals + 65,000# sand

Add Pckts in Upper & Middle Queen on separate interval (3440'-3640') - [PROPOSED]

Applied entire injection interval w/ 5000 gals 15% HCL, and 600# rock salt, 200 (20 W)

2.3/8" IPC Top above pkr
 Injection Pkts @ 3430'

Production Cas
 Size: 4.12"
 Wt. & Thrd: 10.5#
 Grade: 3.55 SF&C
 Set @: 3718'
 Sgs Cmt: 1800 sgs
 Circ: 55 sgs
 TOC: Surface
 Hole Size: 7.778"

Tubing - Capacities and Performance
 2.3/8" x 7# J-55 BRD EUE Internally Plastic Coated Tubing, AS1 X Nickel coated Packer w/ On/Off tool, packer set @ ~3400'

INJECTION WELL DATA SHEET

(Well 3 of 15)

OPERATOR: FAE II Operating, LLC

API NUMBER: 30-025-25755

WELL NAME & NUMBER: ADELE SOWELL #2

WELL LOCATION: 1650 FSL 660 FEL	I	19	24S	37E
FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

Additional Data

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

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

- Originally and currently a Gas well.

2. Name of the Injection Formation:

- Seven Rivers and Queen Formations

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

- [33820] JALMAT;TAN-YATES-7 RVRS (OIL) ;
- [37240] LANGLIE MATTIX;7 RVRS-Q-GRAYBURG

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

- This well has only been perforation within the Seven Rivers and Queen Formations.

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

- Overlying Oil/Gas Zone: Yates/Seven Rivers
 - Depth of Zone: 2,930'
- Underlying Oil Zone: Grayburg
 - Depth of Zone: +/- 4,000'

iii. Well Data
 (Well 4 of 15)

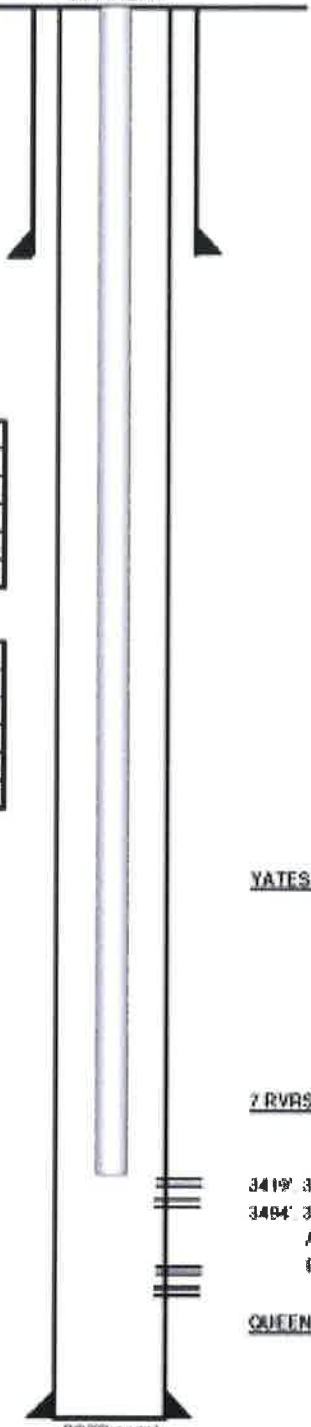
INJECTION WELL DATA SHEET

Well Name: KIMMY #003 API: 30-025-26437 Lease Type: FEE
 Location: 1630' FSL & 330' FWL T-R-Sec-Spot-Lot: 24S-37E-29-L Lease No: _____
 Formation(s): 17240(L) LANGRIF MATTHEW / RVRSS-GREEN GRAYBURG County/State: Lea, NM

Surface Cas
 Size: 8-5/8"
 Wt. & Thrd: 23#
 Grade: K-55 ST&C
 Set @: 40'
 Set amt: 350 tons
 Circ: 75 tons
 TOC: Surface
 Hole Size: 17"

KB: _____
 DF: 3263'
 CL: _____
 Spud Date: 2/23/1979
 Compl. Date: 9/19/1979

CURRENT



History - Highlights
 09/1979: D&C Well
 10/1979: Perforate, isolate & treat Langrife Matthe perforations @ 3410' - 3510'
 2/2018: Repair tubing leak: RWIP

Rod String			
	Count	Length (ft)	Depth (ft)
1.315 x 16' ER	1	16.0	16
1/4" O-Rods	533	1075.0	1091
1.315" O-Rods	5	575.0	1216
1.315 x 16' RWOC	1	16.0	1232

Production Tubing			
	Count	Length (ft)	Depth (ft)
1-5/8" Btg	511	1031.0	1031
Shc	1	1.1	1032
4" Perf Sub	1	4.0	1036
BPMI	1	31.0	1267

Production Cas
 Size: 4-1/2"
 Wt. & Thrd: 9.5#
 Grade: K-55 ST&C
 Set @: 3600'
 Set Amt: 200 tons
 Circ: 15 tons
 TOC: Surface
 Hole Size: 7.75"

YATES (Top @ 2901)

7 RVRSS (Top @ 3154)

3419' - 3445' - 3476' (2 SPT) - October 1979
 3484' - 3510' (1 SPT) - October 1978
 Acidize entire interval w/ 1700 gals 15% MCA acid & 2500 gals 15% NE acid
 Frac'd 3410' - 3510' w/ 10,000 gals + 43,000# sand + 10,000 gals CO2

QUEEN (Top @ 3509)

PBTD 3609'
 TD 3670'

III. Well Data
 (Well 4 of 15)

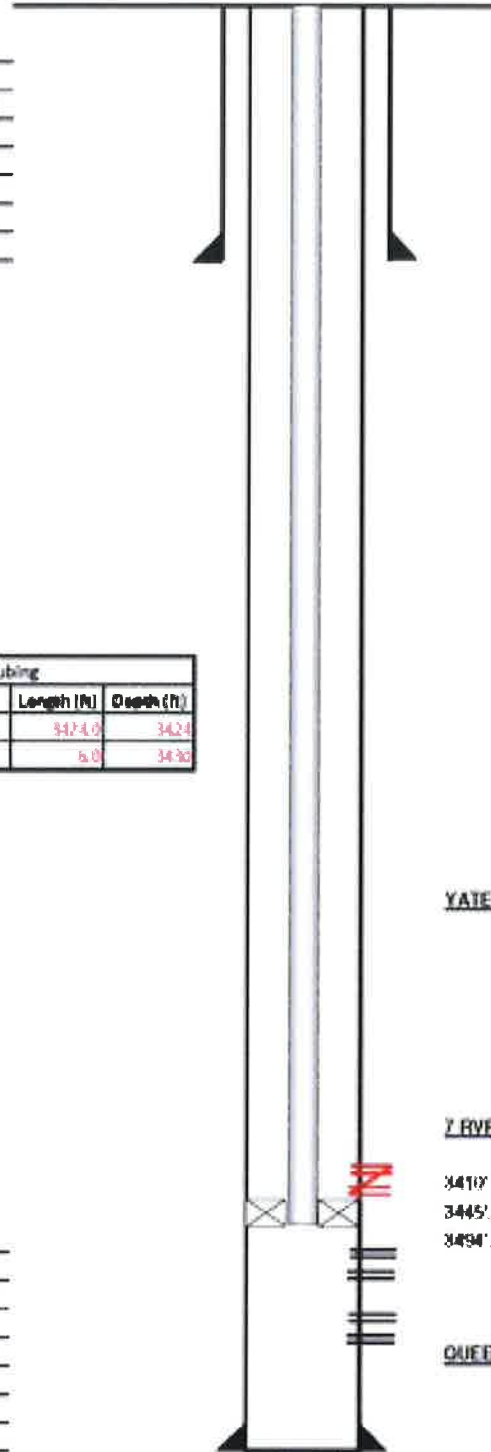
INJECTION WELL DATA SHEET

Well Name: KIMMY #003 API: 30-025-28437 Lease Type: FEE
 Location: 1650' FSL & 330' FWL T-R-Sec-Spot-L of: 24S-37E-29-L Lease No: _____
 Formation(s): 37203 LAMBLE MATTIX 7 RVRS QUEEN GRAYBLIND County/State: Lea, NM

Surface Cas
 Size: 8.50"
 Wt. & Thrd: 23#
 Grade: K-55 ST&C
 Set @: 40'
 Sls Crd: 350 s/s
 Crc: 75 s/s
 TOC: Surface
 Hole Size: 12"

KB: _____
 DF: 3263
 CL: _____
 Spud Date: 8/23/1979
 Compl Date: 9/19/1979

PROPOSED



History - Highlights
09/1979: D&C Well
10/1979: Perforate acidize & frac Lamble Mattix perforations 3410' - 3510'
3/2018: Paper tubing back RWTF
PROPOSED: Convert to injector: Set perfor @ 3410' acidize casing perforations (3445' - 3510' w/ 3000 gals 15% HCl - 500# rock salt, and flush with 300 bbls treated FW. Run 2-3/8" Internally Plastic Coated (IPC) injection tubing string & 2-3/8" x 4-1/2" AST-X packer w/ ON/OFF tool. Set plr @ 3430'. Perform MIT test. Begin injection (interval 3430-3620').
Proposed Injection Interval
Seven Rivers/Queen Inj. Zone
~3,430' to 3,620'
Zone will be Perforated

Production Tubing			
	Count	Length (ft)	Depth (ft)
2-3/8" IPC Tbg	109	3474.0	3424
ASTX Inj Packer	1	6.0	3430

YATES (Top @ 2901)

7 RVRS (Top @ 3154)

3410' (2 SPF) **[PROPOSED - SQUEEZE]**
 3445' - 3475' (2 SPF) - October 1979
 3494' - 3510' (1 SPF) - October 1979
 Acidize casing interval w/ 1700 gals 15% MCA acid & 2500 gals 15% NE acid
 Frac: 3410' - 3510' w/ 10,000 gals + 43,000# sand + 10,000 gals CO2
 Acidize casing interval w/ 3000 gals 15% NEEHCL Acid - **PROPOSED**

QUEEN (Top @ 3509)

Production Cas
 Size: 4-1/2"
 Wt. & Thrd: 9.5#
 Grade: K-55 ST&C
 Set @: 3600'
 Sls Crd: 700 s/s
 Crc: 15 s/s
 TOC: Surface
 Hole Size: 7.75"

PBTD-3600'
 TD-3670'

III. Well Data

INJECTION WELL DATA SHEET

(Well 4 of 15)

OPERATOR: F AE II Operating, LLC

API NUMBER: 30-025-26437

WELL NAME & NUMBER: KIMMY #003

WELL LOCATION: <u>1650 FSL 330 FWL</u>	<u>L</u>	<u>29</u>	<u>24S</u>	<u>37E</u>
FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

Additional Data

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

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

- Originally and currently an Oil well.

2. Name of the Injection Formation:

- Seven Rivers and Queen Formations

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

- [33820] JALMAT;TAN-YATES-7 RVRS (OIL) ;
- [37240] LANGLIE MATTIX;7 RVRS-Q-GRAYBURG

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

- This well has only been perforation within the Seven Rivers and Queen Formations.

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

- Overlying Oil/Gas Zone: Yates/Seven Rivers
 - Depth of Zone: 2,901'
- Underlying Oil Zone: Grayburg
 - Depth of Zone: +/- 4,000'

III. Well Data
 (Well 5 of 15)

INJECTION WELL DATA SHEET

Well Name: C D WOOLWORTH #010 Lease No: _____ Lease Type: FEE
 Township: 24S Range: 37E Sec: 30 Location: 1400' FSL & 2630' FEL
 County: Lea State: NM API: 30-025-33881 Formations: [20020] JALMAT, TAN YATES 7 RIVERS (GL)
[30240] LANGRIF MATRIX, 7 RIVERS (GL)

Surface Cas

Size: 8.50"
 Wt. & Thrd: 20# ST&C
 Grade: J-55
 Set @: 477'
 Sgs cmt: 260 sgs
 Circ: Yes, 58 sgs
 TOC: Surface
 Hole Size: 11"

KB: _____
 DF: _____
 GL: 325.7'
 Spud Date: 3/29/1997
 Compl. Date: 2/8/1998

History - Highlights

9/27/1997: Perforate & treat 3198-3376 holes, acidize w/ 2500 gallons 15% NEFE acid. Frac perfor with 38,872 gal SFG 3000+130,000# 16/30 sand
9/28/2022: Re-acidized perforations 3198-3376 w/ 3000 gals 15% NEFE HCL acid and 600# rock salt in 25 bbls brine water. Flashed with 300 bbls fresh water. RTP

Rod String			
	Count	Length (ft)	Depth (ft)
1.25" x 20' SR	1	20.0	20
3/4" Rods	138	3450.0	3470
1.5" Striker Bars	6	150.0	3620
1.5" x 36" RWBC	1	16.0	3636

Production Tubing			
	Count	Length (ft)	Depth (ft)
2-3/8" tbg	115	3639.0	3639
SN	1	1.1	3640
4" Perf Sub	1	4.1	3644
(BPM)	1	12.6	3657

Production Cas

Size: 4-1/2"
 Wt. & Thrd: 11.6# LTRC
 Grade: J-55
 Set @: 3756'
 Sgs cmt: 1025 sgs
 Circ: Yes, 140 sgs
 TOC: Surface
 Hole Size: 7.70"

YATES (Top @ 2912')

7-RIVERS (Top @ 3149')

Perfs: 3198-3376' (26 holes)

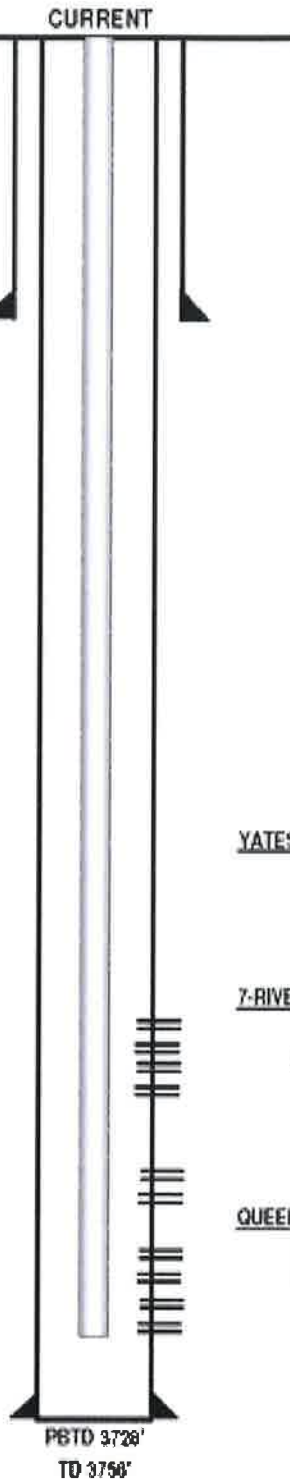
9/27/1997: 2500 gallons NEFE acid, 38,872 gallons SFG 3000+130,000# 16/30 sand

QUEEN (Top @ 3589')

Perfs: 3502', 3519', 3536', 3561', 3576', 3593', 3609', 3618', 3632', 3658' (4 SPF- 40 holes)

5/1/1997: 2100 Gal 15% NEFE HCL, 31,00 gal 35# XL gel & 104,000# 12/20 mesh brady sand

9/2022: Re-acidized perfs w/ 3000 gals 15% NEFE HCL Acid & 600# rock salt, flushed with 300 bbls water.



III. Well Data
 (Well 5 of 15)

INJECTION WELL DATA SHEET

Well Name: G D WOOLWORTH #010 Lease No: _____ Lease Type: FEE
 Township: 24S Range: 37E Sec: 30 Location: 1400' FSL & 2630' FEL
 County: Lea State: NM API: 30-025-33881 Formations: [33820] JALMAT, TAN YA TL 5-7 IVRIS (OR)
[37240] LANGLIE MATTIX, 7 RVRS-Q GB

Surface Cas
 Size: 8-5/8"
 Wt. & Thrd: 20# ST&G
 Grade: J-55
 Set @: 477'
 S&S cmt: 260 sxs
 Circ: Yes, 58 sxs
 TOC: Surface
 Hole Size: 11"

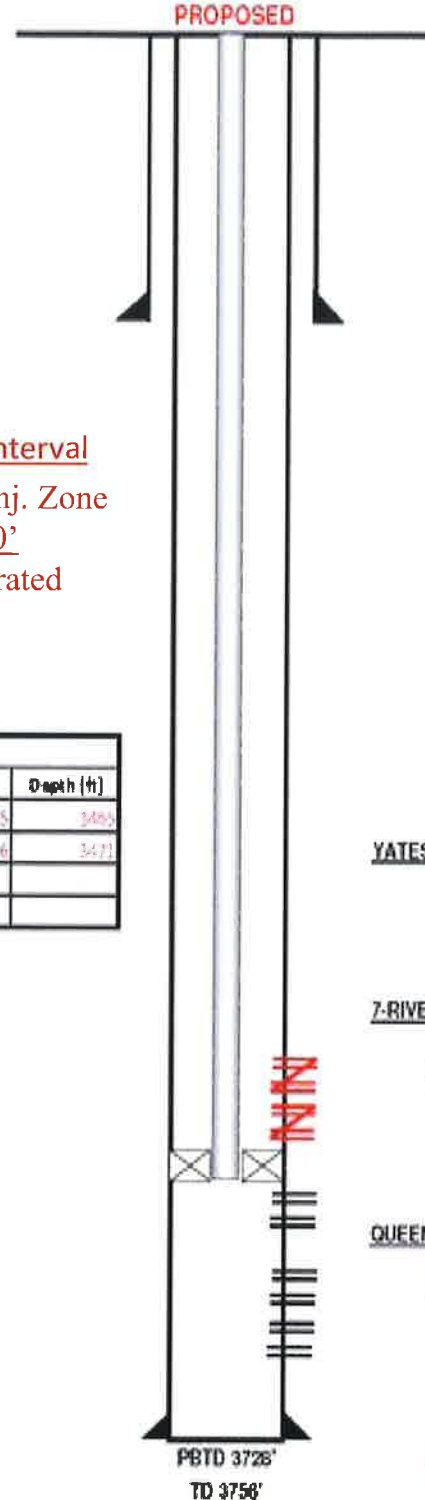
KB: _____
 OF: _____
 CL: 325.7'
 Spud Date: 3/29/1997
 Compl. Date: 2/8/1998

History - Highlights
 9/27/1997: Perforate Jalmat 3198-3376' 26 holes, acidize w/ 2500 gallons 15% NEFE acid, frac parts with 38,872 gal SFG 3000# 130,000# 16/30 sand
 9/28/2022: Re-acidized perforations @ 3502' - 3658' w/ 3000 gals 15% NEFE HCL acid and 600# rock salt in 25 bbls brine water. Flushed with 300 bbls FW RTP
PROPOSED: Convert to injector: Set parts @ 3388' - 3376', acidize existing perforations @ 3102' - 3658' w/ 3000 gals 15% HCL, 600# rock salt, and flush w/ 300 bbls treated FW. Run 2-3/8" internally Plastic Coated (IPC) injection tubing string & 2-3/8" x 4-1/2" AS1-X packer w/ ON/OFF tool. Set pkr @ -3470' Perform MIT test. Begin injection interval 3450'-3670'

Proposed Injection Interval
Seven Rivers/Queen Inj. Zone
~3,450' to 3,670'
Zone will be Perforated

Production Tubing			
	Count	Length (ft)	Depth (ft)
2-3/8" IPC tbg	110	3465	3465
AS1X Inf Packer	1	6	3471

Production Cas
 Size: 4-1/2"
 Wt. & Thrd: 11.6# L18C
 Grade: LS
 Set @: 3756'
 S&S cmt: 1025 sxs
 Circ: Yes, 140 sxs
 TOC: Surface
 Hole Size: 7-7/8"



YATES (Top @ 2912')

7-RIVERS (Top @ 3149')
Perfs: 3198-3376' (26 holes) [PROPOSED - SQUEEZED]
 9/27/1997: 2500 gallons NEFE acid, 38,872 gallons SFG 3000# 130,000# 16/30 sand

QUEEN (Top @ 3589')
Perfs: 3502', 3519', 3536', 3551', 3576', 3593', 3609', 3618', 3632', 3658' (4 SPF- 40 holes)
 5/1/1997: 2100 Gal 15% NEFE HCL, 31,00 gal 35# XL gel & 104,000# 12/20 mesh brady sand
 9/2022: Re-acidized perfs w/ 3000 gals 15% NEFE HCL Acid & 600# rock salt, flushed with 300 bbls water.
 Acidize entire interval w/ 3000 gals 15% NEFE HCL Acid - **PROPOSED**

PBTD 3726'
 TD 3756'

iii. Well Data

INJECTION WELL DATA SHEET

(Well 5 of 15)

OPERATOR: FAE II Operating, LLC

API NUMBER: 30-025-33881

WELL NAME & NUMBER: C D WOOLWORTH #010

WELL LOCATION: <u>1400 FSL 2630 FEL</u>	<u>J</u>	<u>30</u>	<u>24S</u>	<u>37E</u>
FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

Additional Data

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

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

- Originally and currently an Oil well.

2. Name of the Injection Formation:

- Seven Rivers and Queen Formations

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

- [33820] JALMAT;TAN-YATES-7 RVRS (OIL) ;
- [37240] LANGLIE MATTIX;7 RVRS-Q-GRAYBURG

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

- This well has only been perforation within the Seven Rivers and Queen Formations.

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

- Overlying Oil/Gas Zone: Yates/Seven Rivers
 - Depth of Zone: 2,912'
- Underlying Oil Zone: Grayburg
 - Depth of Zone: +/- 4,000'

III. Well Data

North Jal Unit

New Drill Injector Example

For the Following Wells:

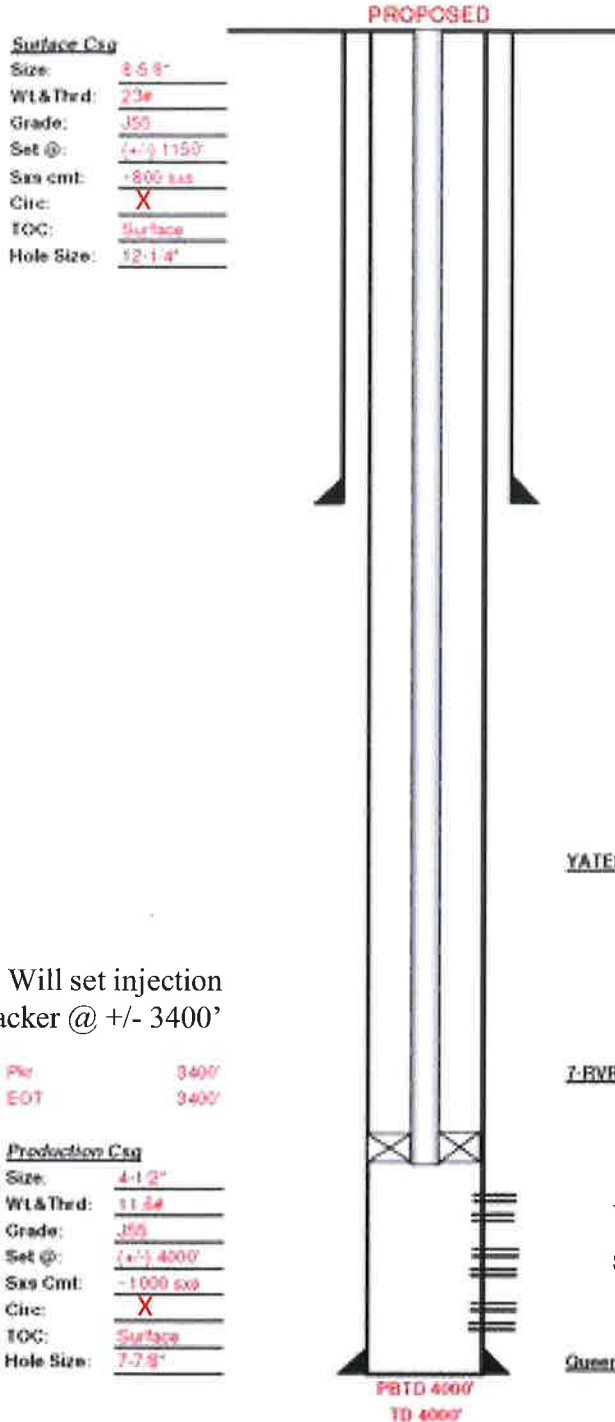
- | | |
|----------------------|-----------------------|
| 6. FLUOR HARRISON #2 | 11. JACK B 30 #7 |
| 7. KIMMY #5 | 12. JACK B 30 #8 |
| 8. KIMMY #6 | 13. C D WOOLWORTH #12 |
| 9. JACK B 30 #5 | 14. C D WOOLWORTH #13 |
| 10. JACK B 30 #6 | 15. C D WOOLWORTH #14 |

Legal: Sect 20, 29, & 30, Twn 24S Rge 37E

API # 30-025-xxxxx

Completion Date: TBD

These wells will be drilled for the purpose of injection



KB:	TBD
DF:	TBD
GL:	TBD
Spud Date:	TBD
Compl. Date:	TBD

Well	Proposed Injection Interval
FLUOR HARRISON #2	3400'-3700'
KIMMY #5	3400'-3700'
KIMMY #6	3400'-3700'
JACK B 30 #5	3430'-3730'
JACK B 30 #6	3400'-3700'
JACK B 30 #7	3430'-3730'
JACK B 30 #8	3430'-3730'
C D WOOLWORTH #12	3430'-3730'
C D WOOLWORTH #13	3430'-3730'
C D WOOLWORTH #14	3430'-3730'

Will set injection packer @ +/- 3400'

Plr 3400'
 EOT 3400'

Will perforate Seven Rivers-Queen in specific intervals from ~3,400'–3,730'

Tubulars - Capacities and Performance
2-3/8" J55 IPC Reg (PKR On/Off tool 105 ps)

III. Well Data

North Jal Unit

New Drill Injector Example

For the Following Wells:

- | | |
|----------------------|-----------------------|
| 6. FLUOR HARRISON #2 | 11. JACK B 30 #7 |
| 7. KIMMY #5 | 12. JACK B 30 #8 |
| 8. KIMMY #6 | 13. C D WOOLWORTH #12 |
| 9. JACK B 30 #5 | 14. C D WOOLWORTH #13 |
| 10. JACK B 30 #6 | 15. C D WOOLWORTH #14 |

Legal: Sect 20, 29, & 30, Twn 24S Rge 37E

API # 30-025-xxxxxx

Completion Date: TBD

These wells will be drilled for the purpose of injection

Additional Data

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

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

2. Name of the Injection Formation:

- Seven Rivers and Queen Formations

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

- [33820] JALMAT;TAN-YATES-7 RVRs (OIL) ;
- [37240] LANGLIE MATTIX;7 RVRs-Q-GRAYBURG

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

- No, it will be perforated in the Seven Rivers and Queen Formations.

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

- Overlying Oil/Gas Zone: Yates/Seven Rivers
 - Depth of Zone: +/- 2,900'
- Underlying Oil Zone: Grayburg
 - Depth of Zone: +/- 4,000'

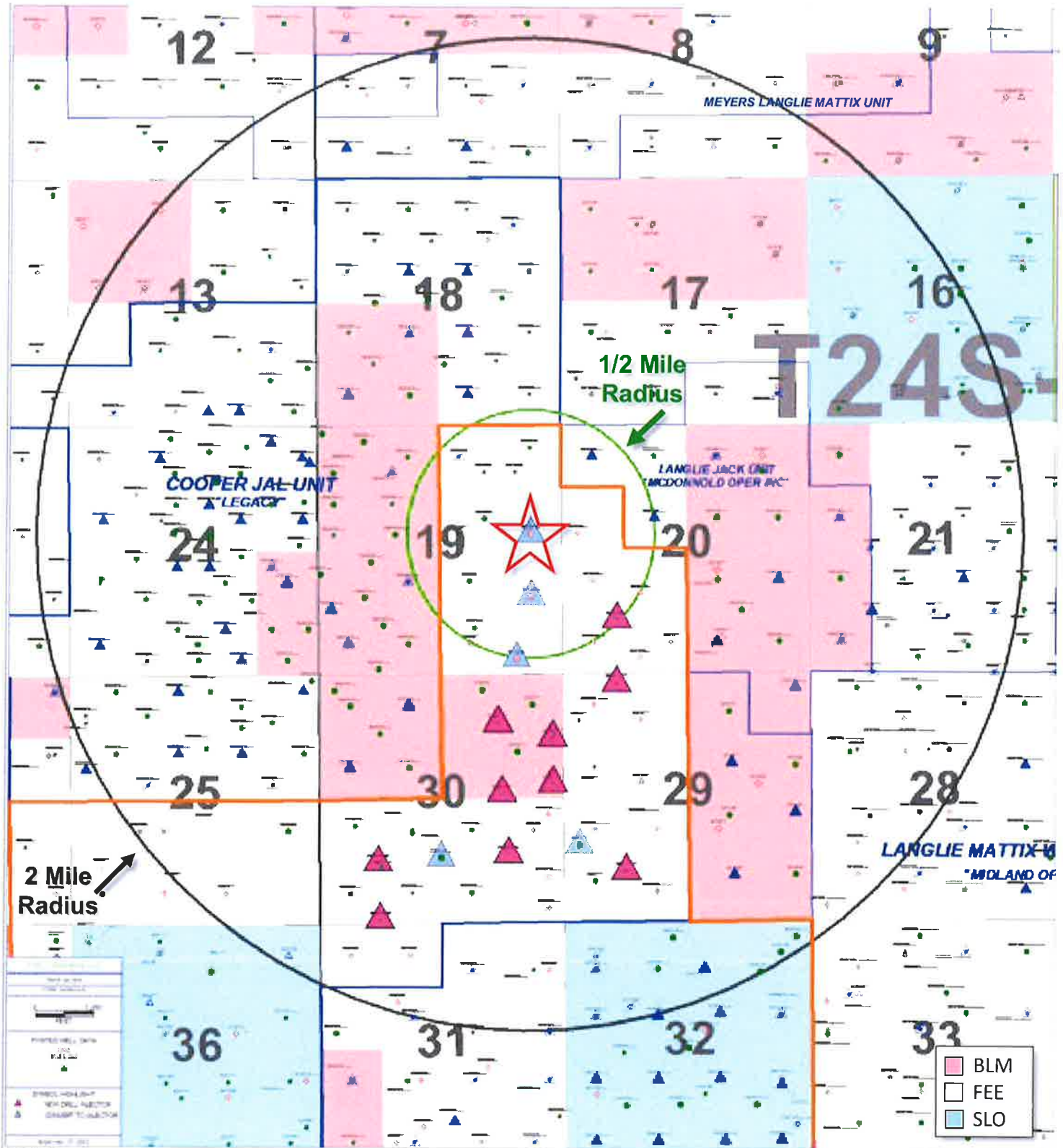
Part V.

V.

Exhibit A1 shows 14 unique well locations within a 1/2 mile radius of the proposed new drill injector location, and 327 unique well locations within a 2-mile radius.

CITIES THOMAS #3

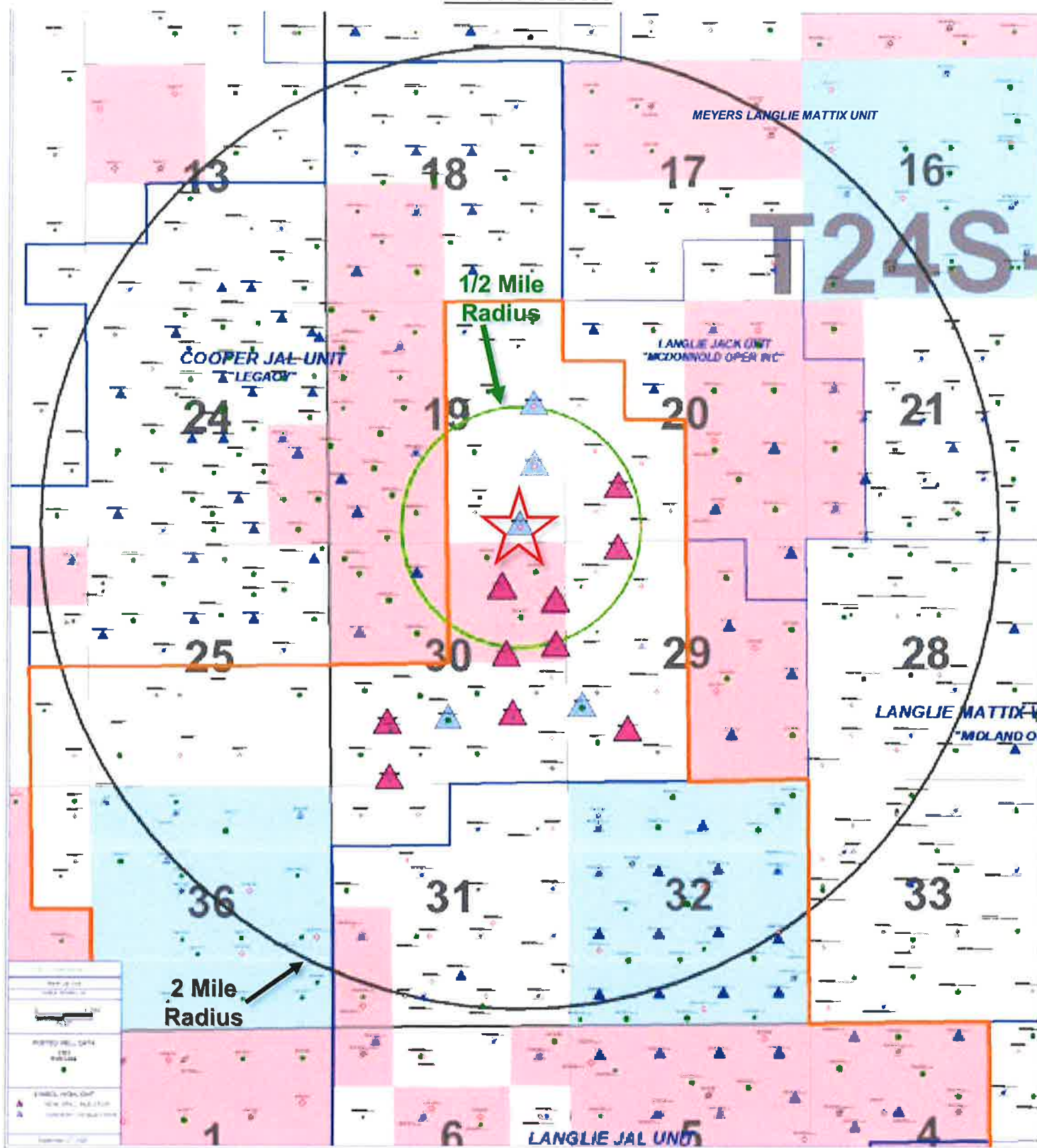
API: 30-025-25608



V.
Exhibit A2 shows 19 unique well locations within a 1/2 mile radius of the proposed new drill injector location, and 344 unique well locations within a 2-mile radius.

ADELE SOWELL #1

API: 30-025-25630

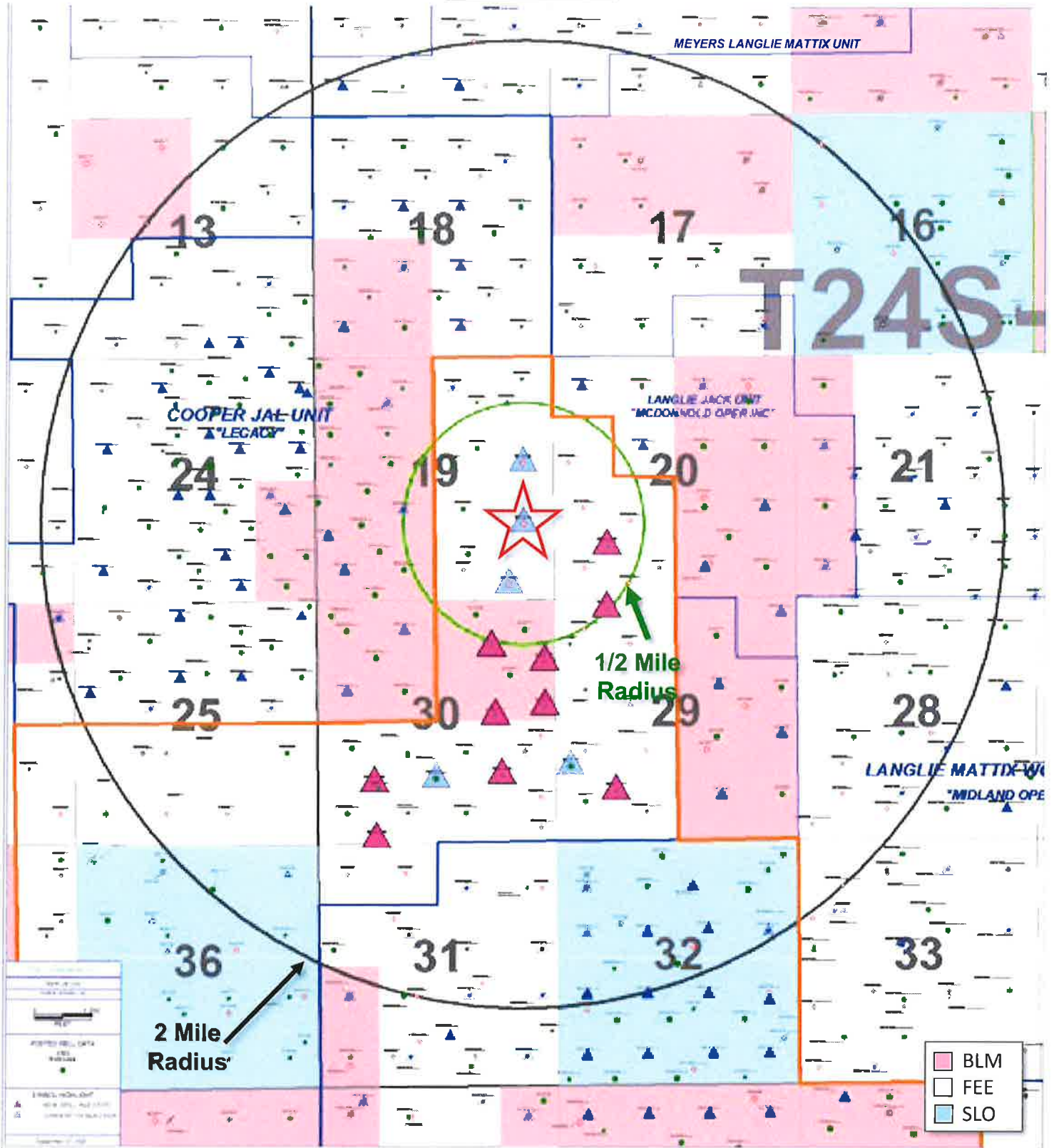


V.

Exhibit A3 shows 16 unique well locations within a 1/2 mile radius of the proposed new drill injector location, and 330 unique well locations within a 2-mile radius.

ADELE SOWELL #2

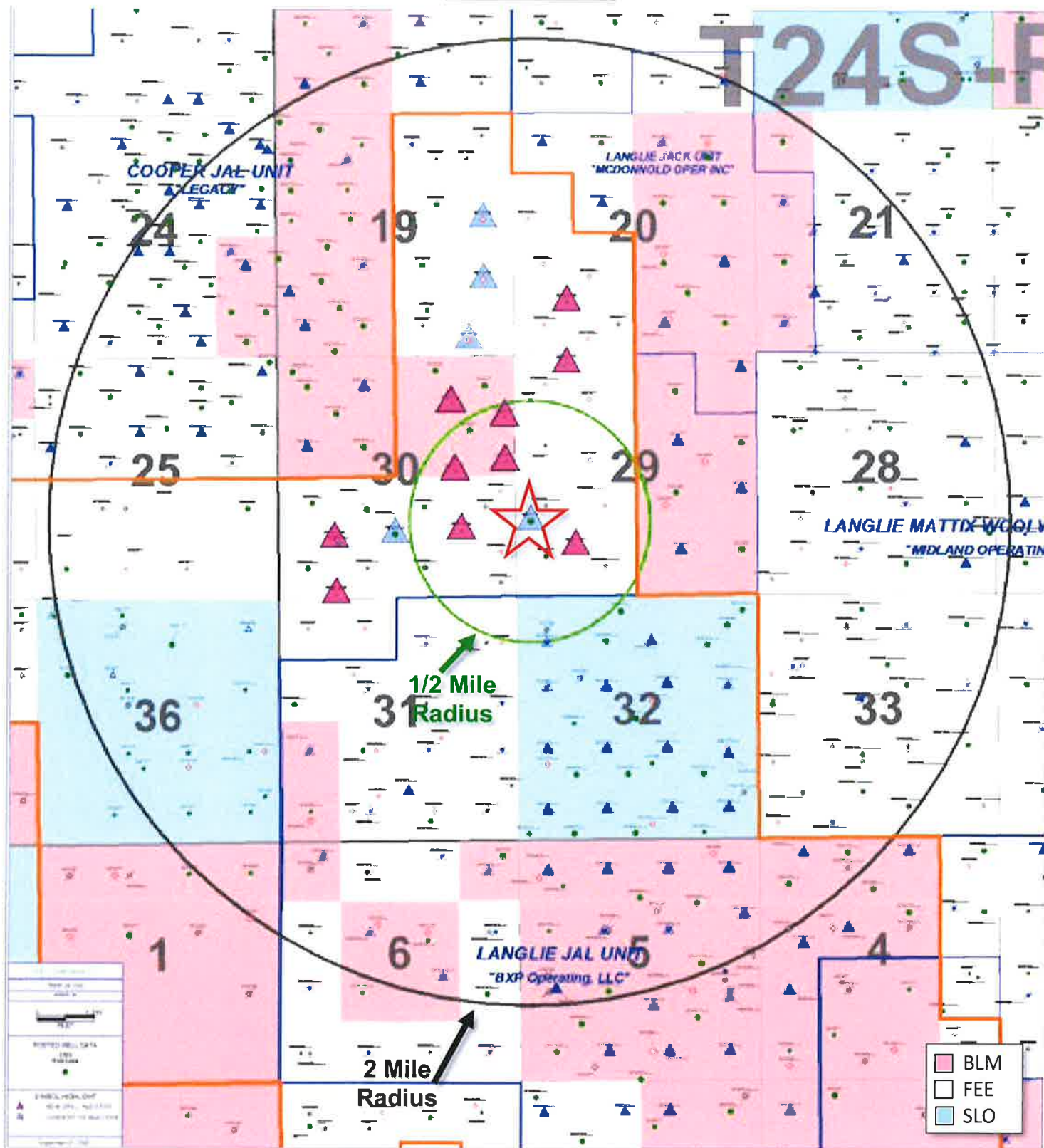
API: 30-025-25755



V.
Exhibit A4 shows 20 unique well locations within a ½ mile radius of the proposed new drill injector location, and 353 unique well locations within a 2-mile radius.

KIMMY #3

API: 30-025-26437

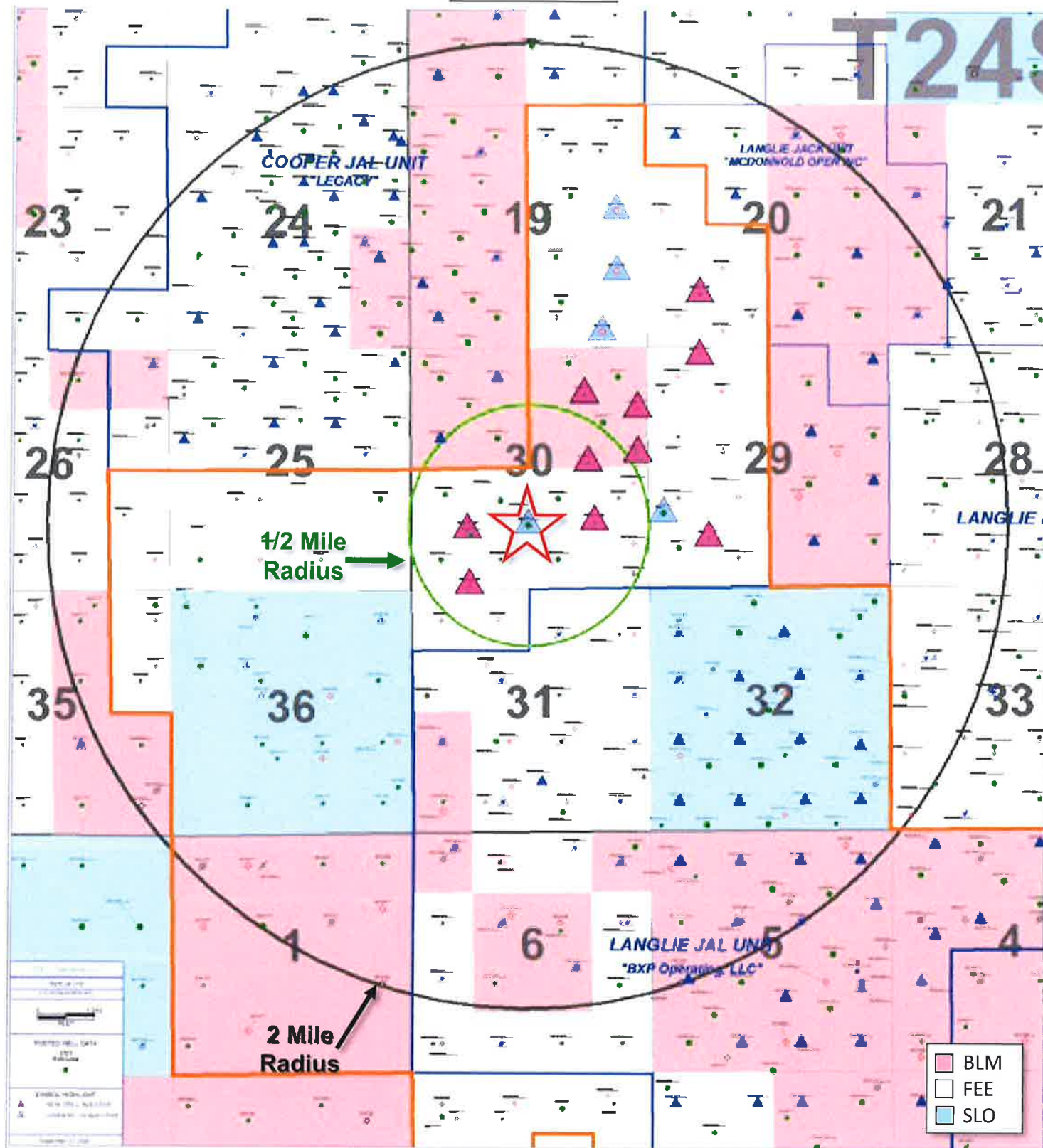


V.

Exhibit A5 shows 20 unique well locations within a ½ mile radius of the proposed new drill injector location, and 354 unique well locations within a 2-mile radius.

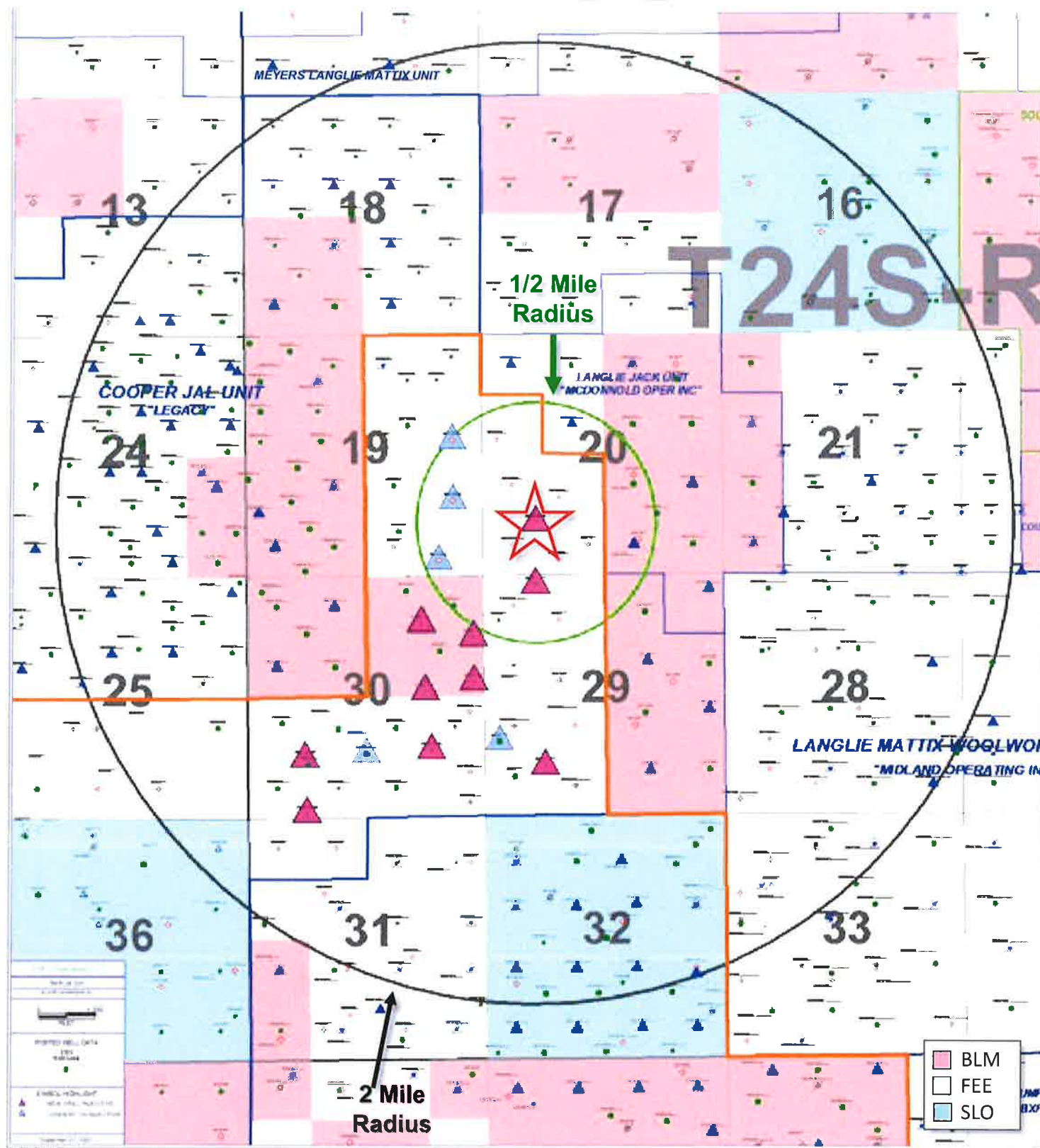
C D WOOLWORTH #10

API: 30-025-33881



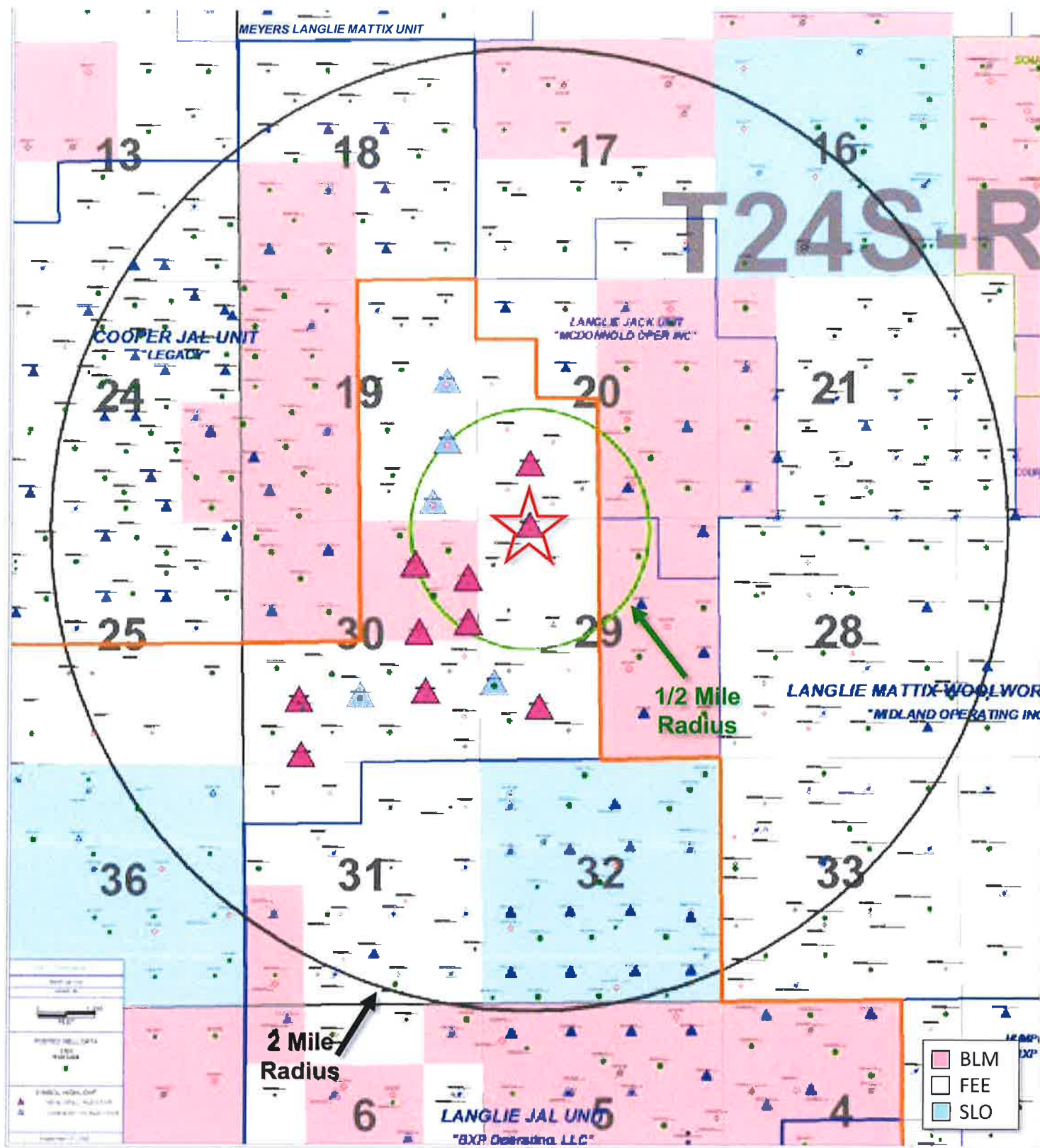
V.
Exhibit A6 shows 20 unique well locations within a 1/2 mile radius of the proposed new drill injector location, and 345 unique well locations within a 2-mile radius.

FLUOR HARRISON #2



V.
Exhibit A7 shows 21 unique well locations within a ½ mile radius of the proposed new drill injector location, and 351 unique well locations within a 2-mile radius.

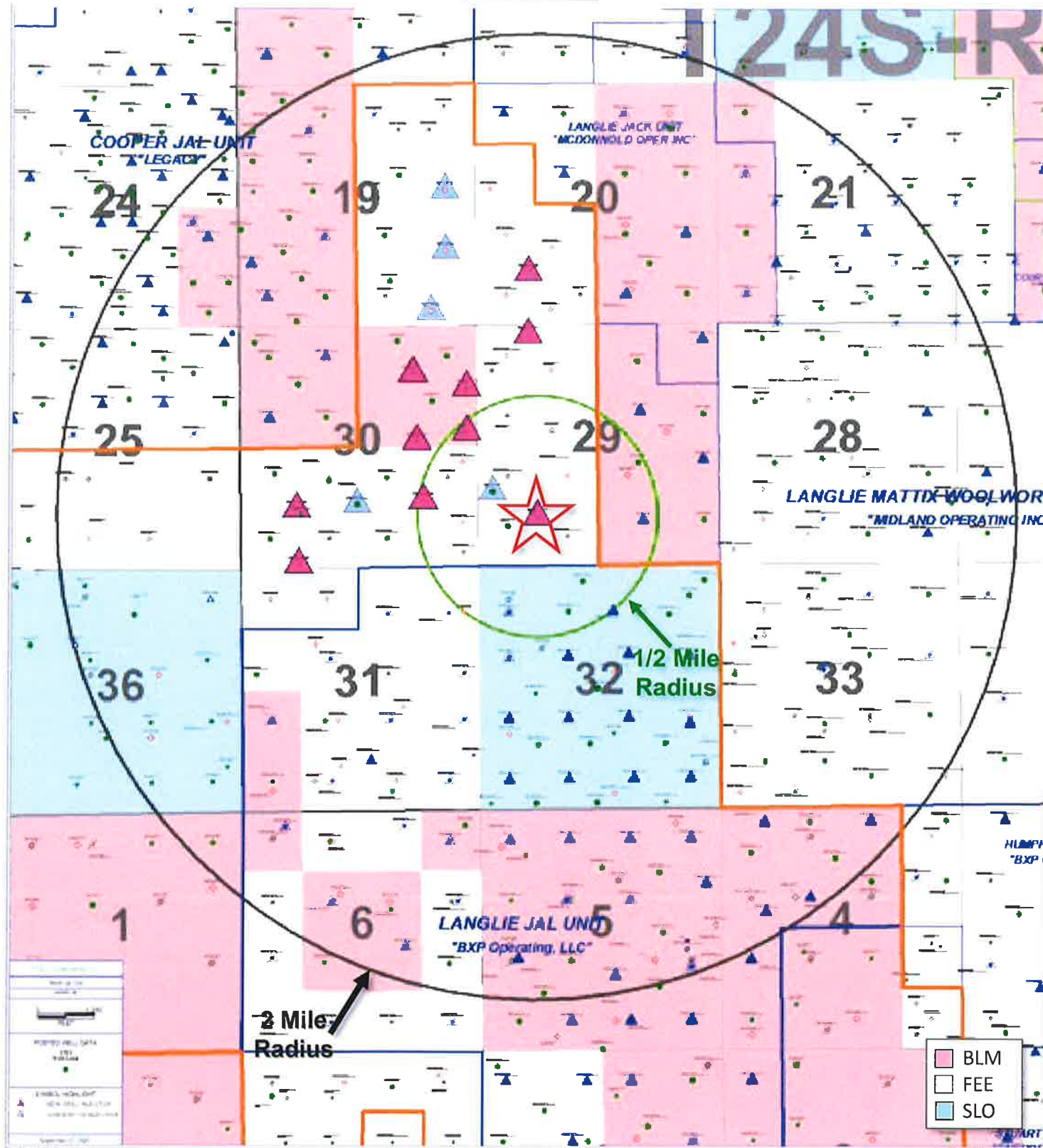
KIMMY #5



V.

Exhibit A8 shows 21 unique well locations within a ½ mile radius of the proposed new drill injector location, and 357 unique well locations within a 2-mile radius.

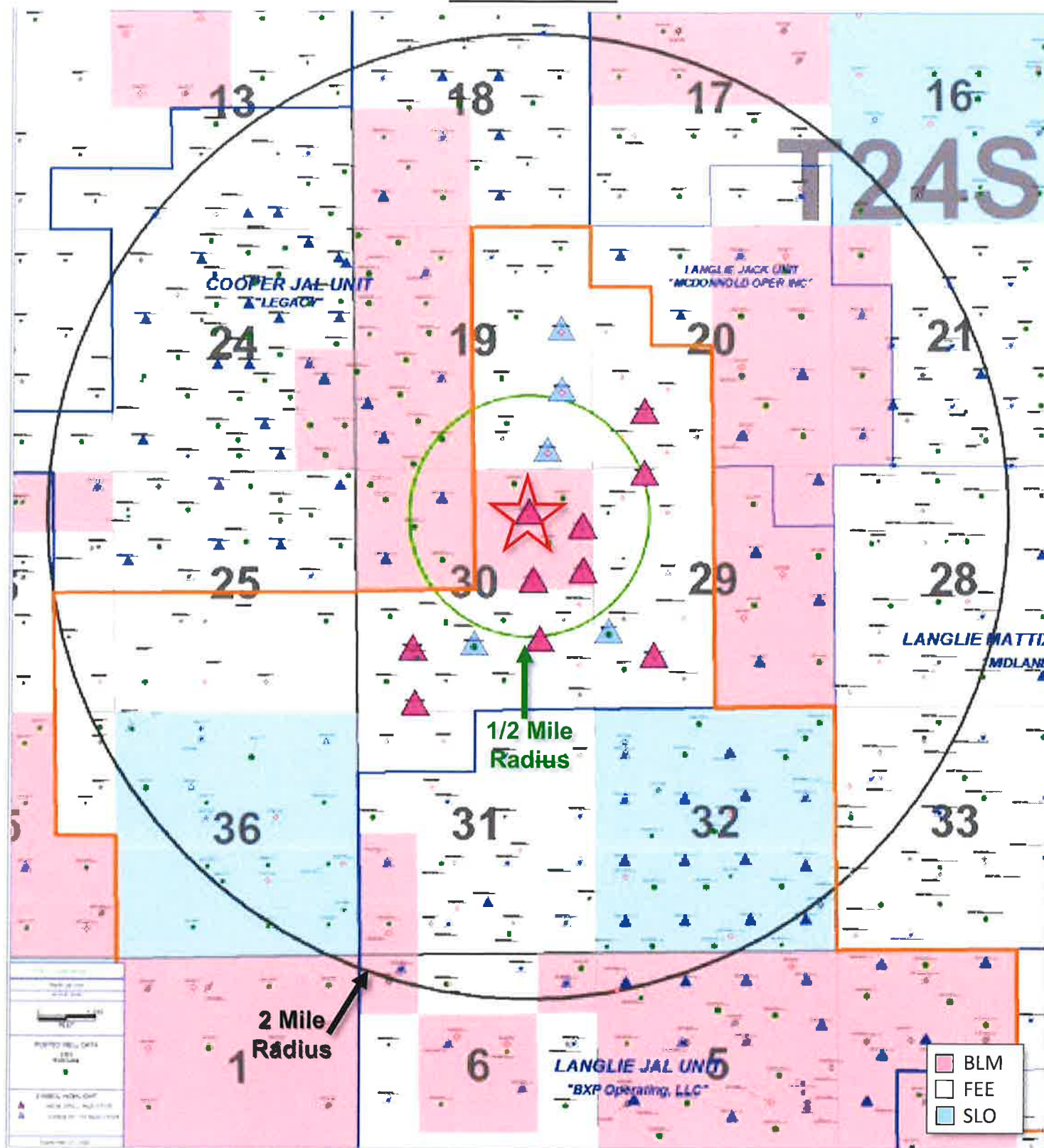
KIMMY #6



V.

Exhibit A9 shows 20 unique well locations within a ½ mile radius of the proposed new drill injector location, and 359 unique well locations within a 2-mile radius.

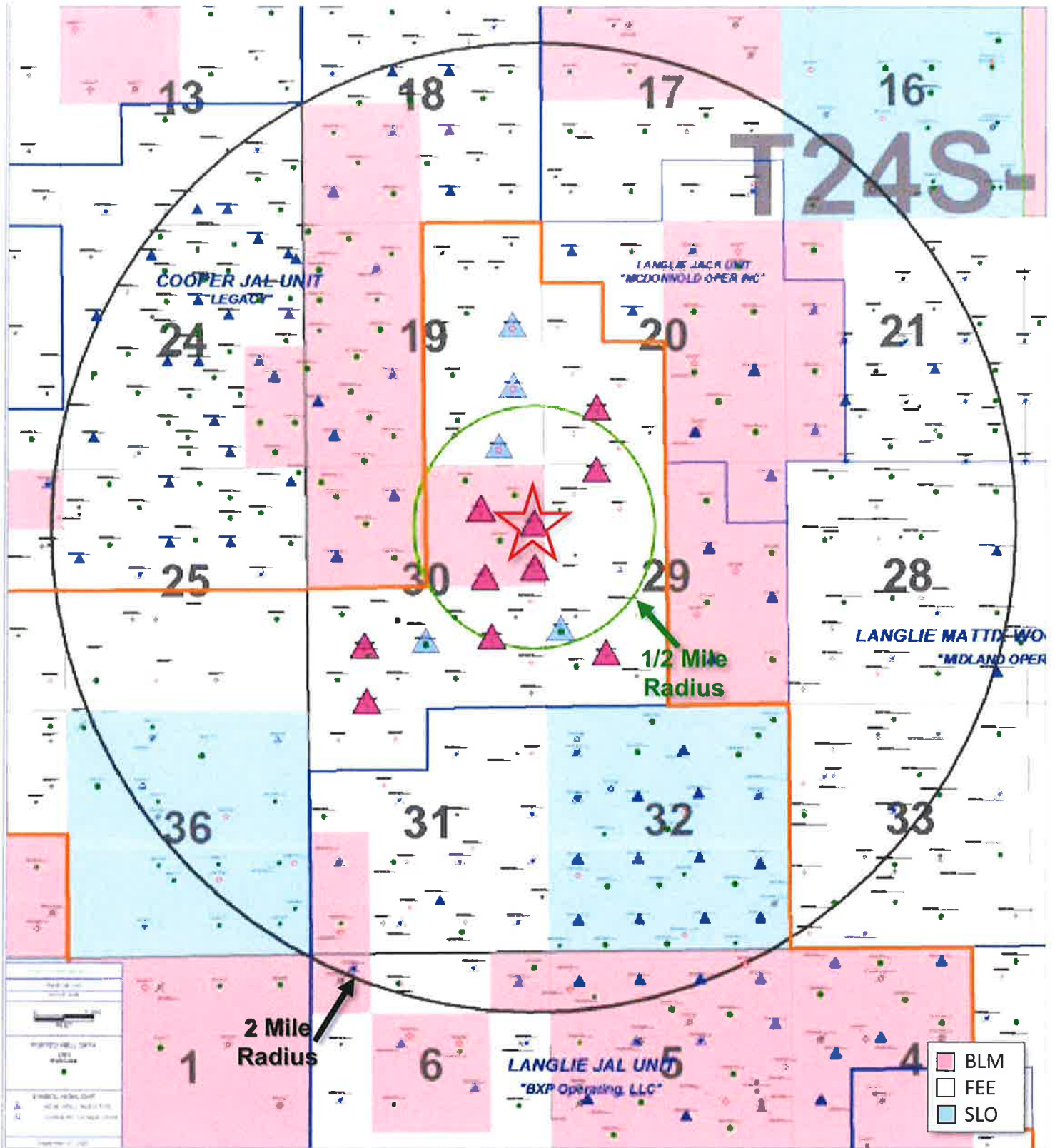
JACK B 30 #5



V.

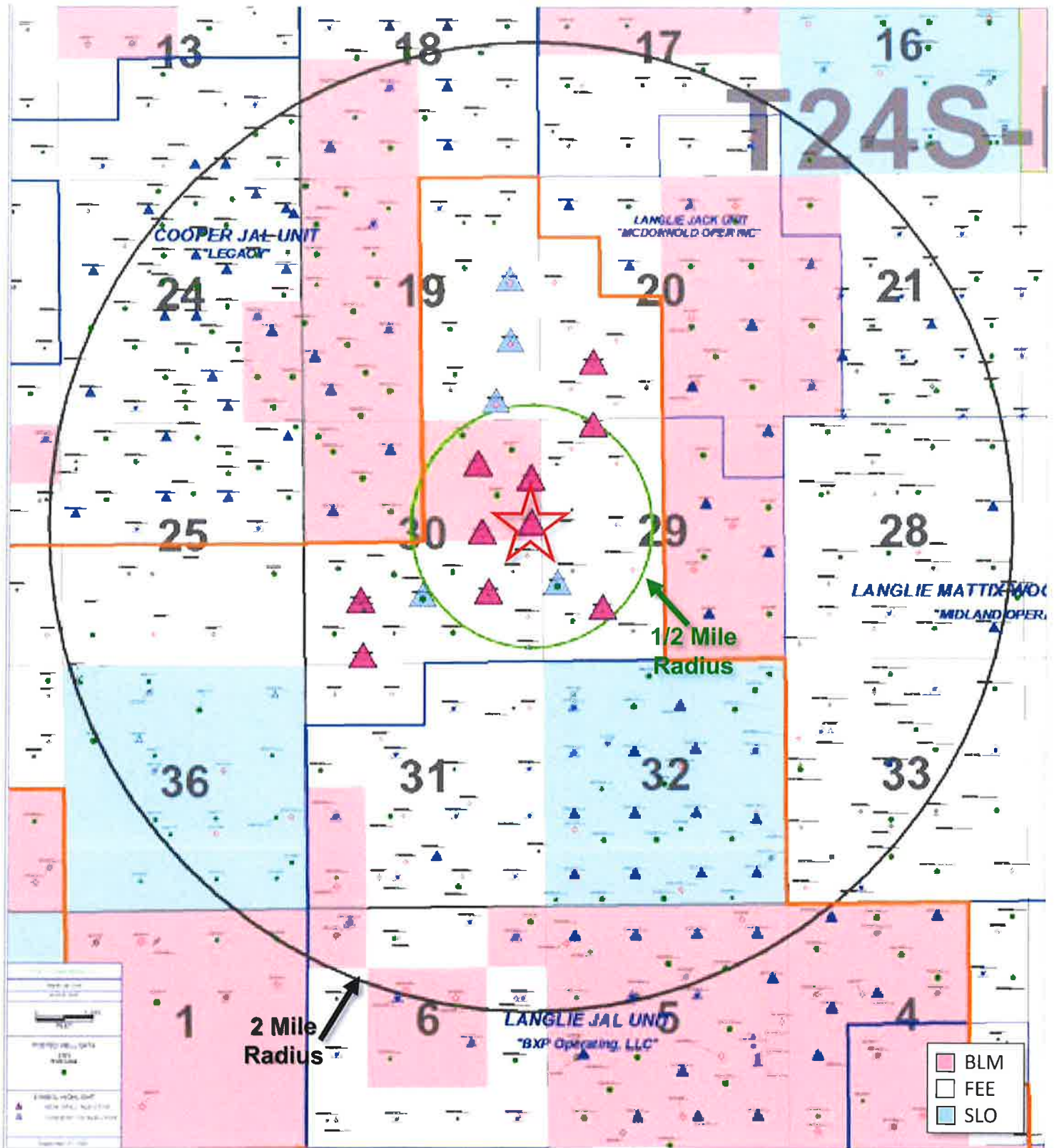
Exhibit A10 shows 21 unique well locations within a ½ mile radius of the proposed new drill injector location, and 360 unique well locations within a 2-mile radius.

JACK B 30 #6



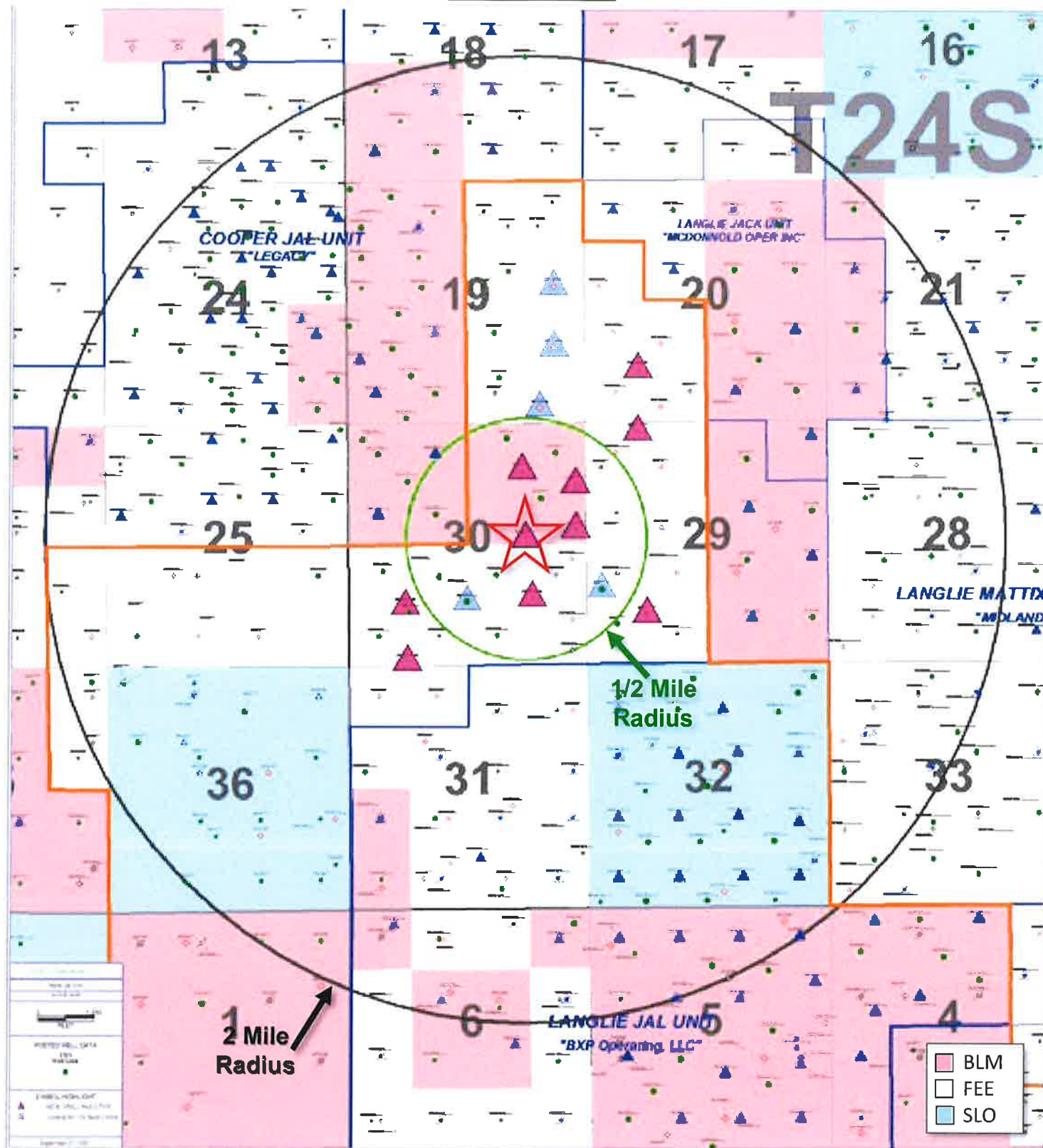
V.
Exhibit A11 shows 24 unique well locations within a ½ mile radius of the proposed new drill injector location, and 364 unique well locations within a 2-mile radius.

JACK B 30 #7



V.
Exhibit A12 shows 22 unique well locations within a ½ mile radius of the proposed new drill injector location, and 368 unique well locations within a 2-mile radius.

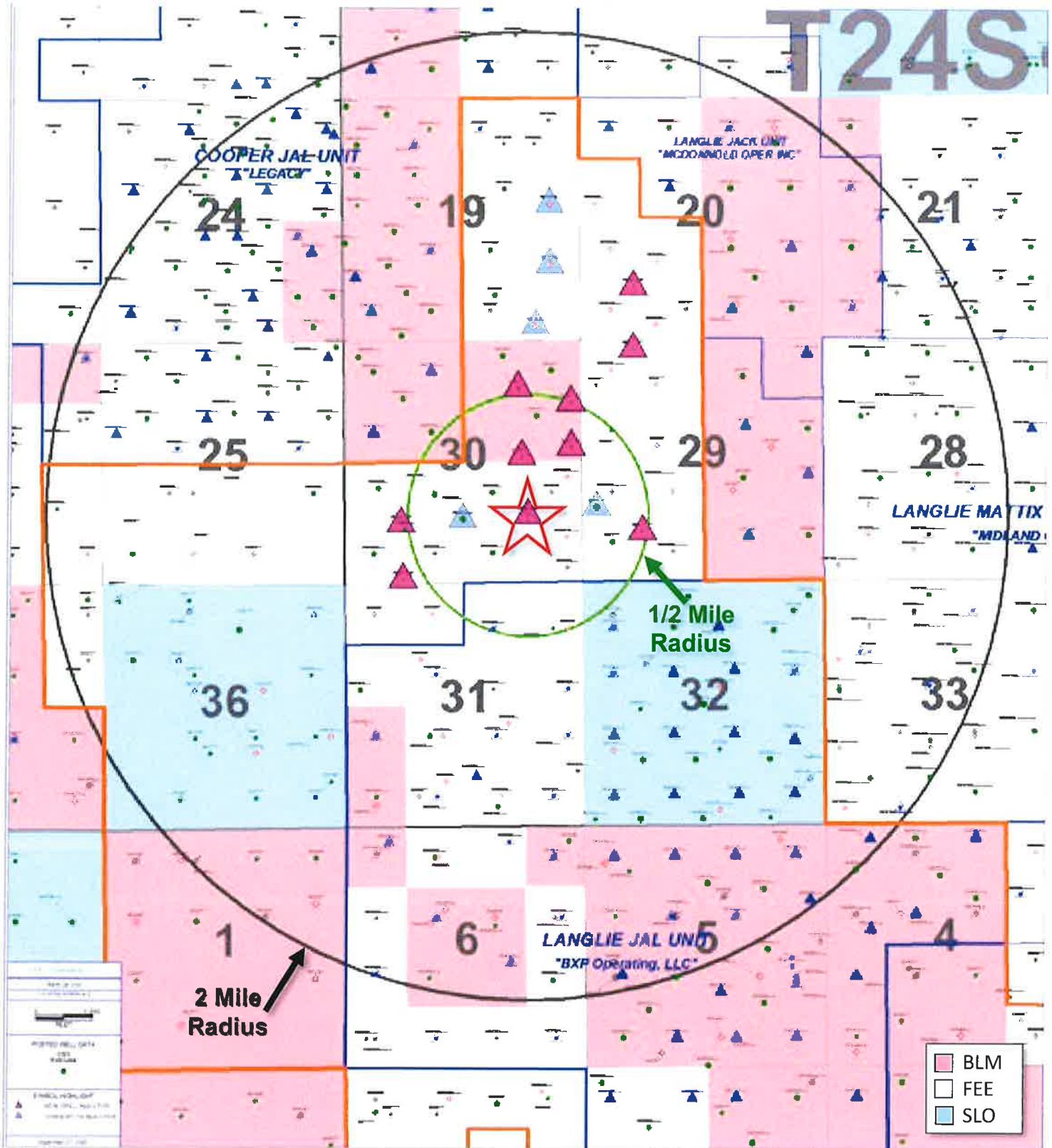
JACK B 30 #8



V.

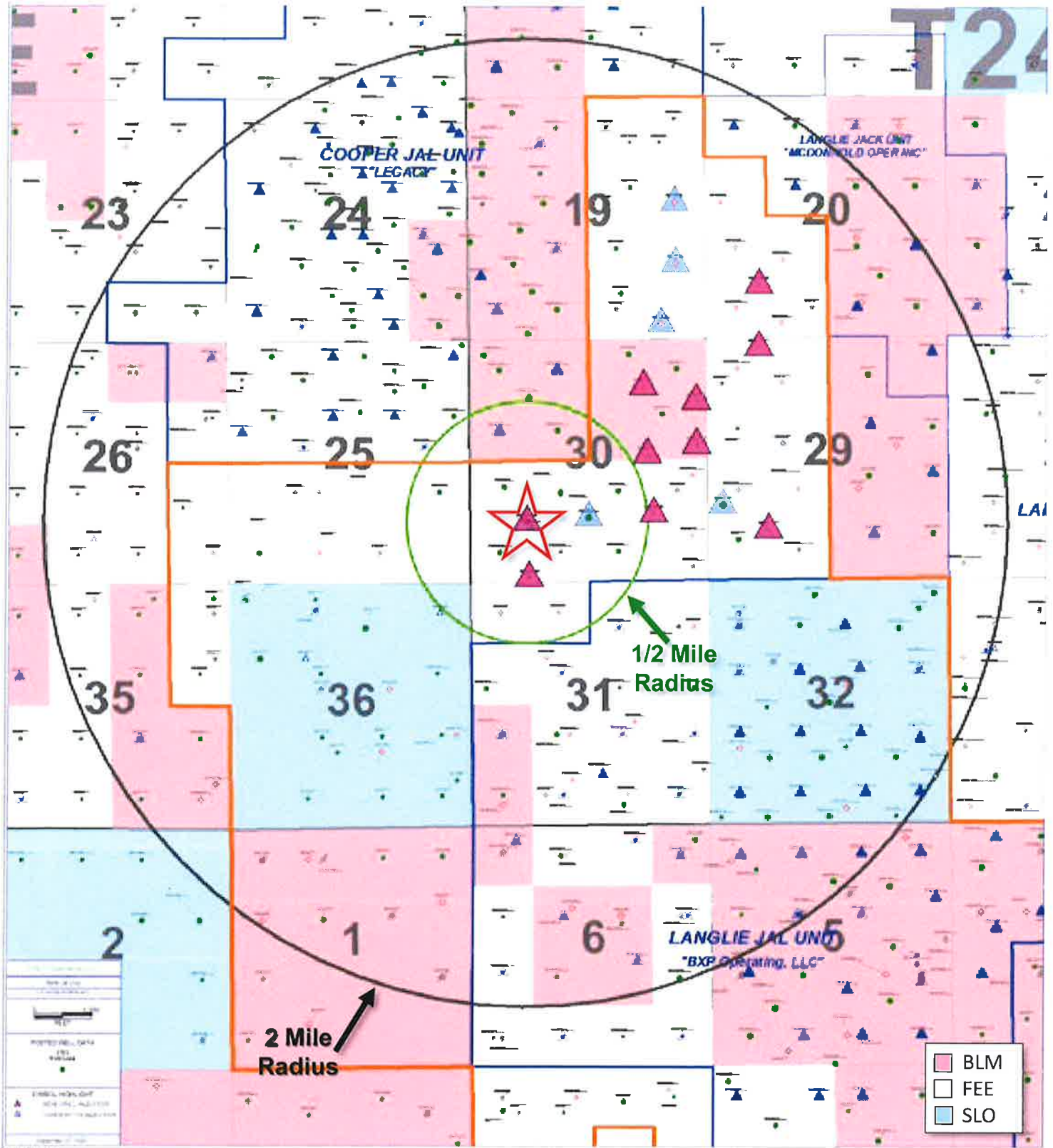
Exhibit A13 shows 22 unique well locations within a ½ mile radius of the proposed new drill injector location, and 363 unique well locations within a 2-mile radius.

C D WOOLWORTH #12



V.
Exhibit A14 shows 16 unique well locations within a ½ mile radius of the proposed new drill injector location, and 347 unique well locations within a 2-mile radius.

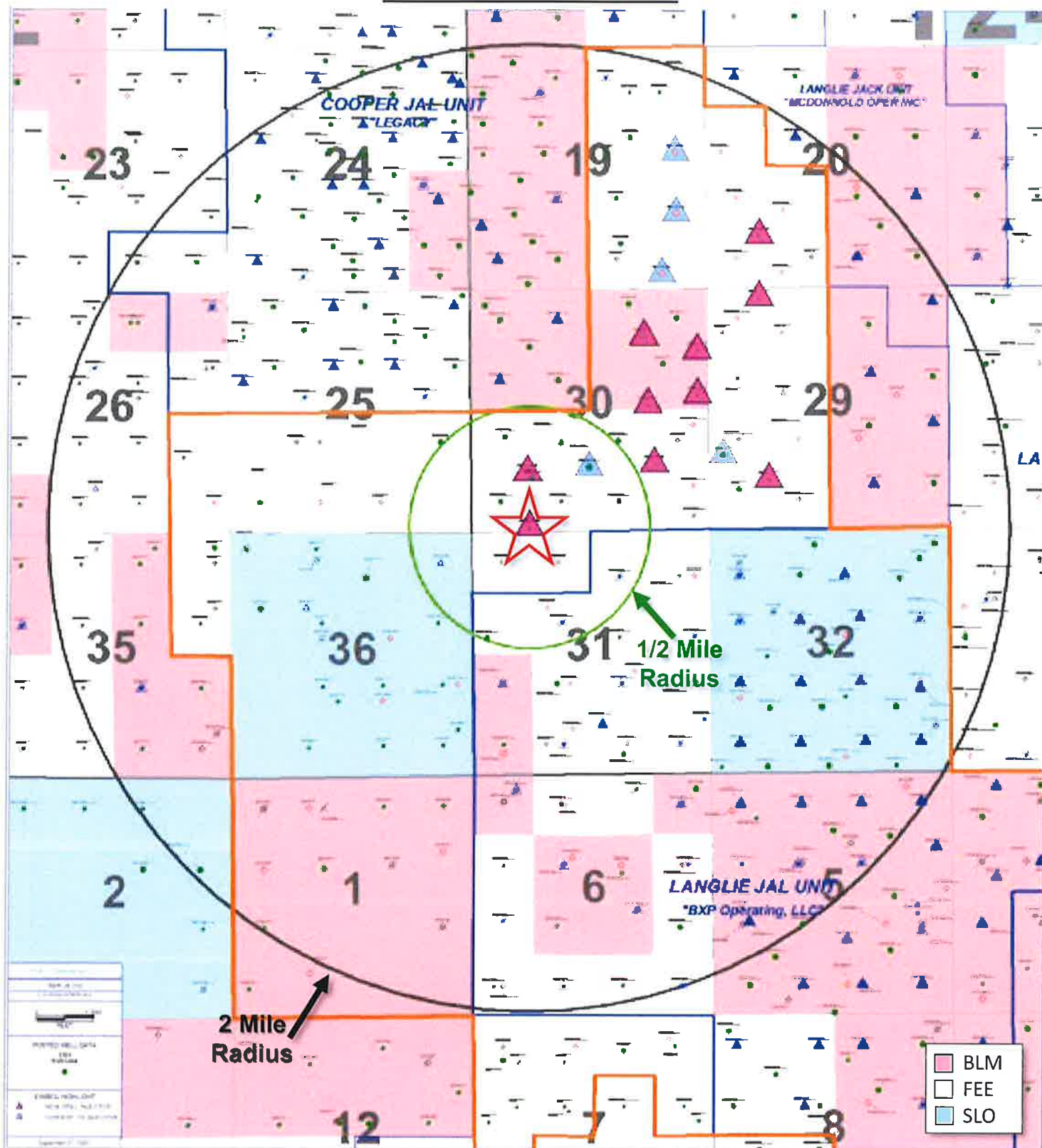
C D WOOLWORTH #13



V.

Exhibit A15 shows 17 unique well locations within a ½ mile radius of the proposed new drill injector location, and 344 unique well locations within a 2-mile radius.

C D WOOLWORTH #14



Part VI.

Following Exhibits, B1-B15, are the tabulation of the wells with each well's type, construction, date drilled, location, depth, and completion date of wells within a ½ mile radius that are displayed in Exhibits A1-A15. The plugged well wellbore diagrams are displayed in Exhibits C1-C26.

Exhibit B1

CITIES THOMAS #3
API: 30-025-25608

UWI/API	OPERATOR	WELL LABEL	ID	WELL TYPE	CURRENT ZONE	Distance from CITIES THOMAS 3 (feet)	SPUD DATE	COMP DATE	TOWNSHIP	RANGE	SECTION	FOOTAGE
30025256080000	FAE II Operating LLC	CITIES THOMAS 3	3700	GAS	[37240] LANGUE MATTX;7 RVRS-Q-GRAYBURG	0	8/17/1977	9/11/1977	245	37E	19	660 FEL 2310 FNL
30025256290000	Finaly Resources LLC	KING HARRISON C #1	3757	GAS	[79240] JALMAT;TAN-YATES-7 RVRS (GAS)	989.92	9/8/1977	10/18/1977	245	37E	20	330 FWL 2310 FNL
30025257560000	FAE II Operating LLC	CITIES THOMAS 4	3733	OIL	[37240] LANGUE MATTX;7 RVRS-Q-GRAYBURG	1046.75	12/28/1977	2/1/1978	245	37E	19	1650 FEL 1980 FNL
30025257550000	FAE II Operating LLC	ADELE SOWELL 2	3718	GAS	[37240] LANGUE MATTX;7 RVRS-Q-GRAYBURG	1327.96	1/10/1978	1/31/1978	245	37E	19	660 FEL 1650 FSL
30025286260000	CIMAREX ENERGY CO. OF COLORADO	CITIES THOMAS #5	3750	PLUGOIL	PLUGGED	1363.03	3/22/1984	4/3/1984	245	37E	19	990 FEL 990 FNL
30025111640000	OXY USA WTP LIMITED PARTNERSHIP	THOMAS #2	3680	PLUGOIL	PLUGGED	1549.85	8/31/1951	9/28/1951	245	37E	19	2210 FEL 2310 FNL
30025261390000	FAE II Operating LLC	THOMAS A #3	3750	OIL	[37240] LANGUE MATTX;7 RVRS-Q-GRAYBURG	1652.15	3/26/1979	4/27/1979	245	37E	19	1980 FEL 1980 FSL
30025254000000	CIMAREX ENERGY CO. OF COLORADO	CITIES THOMAS #1	3696	PLUGOIL	PLUGGED	1654.19	1/19/1977	2/5/1977	245	37E	19	1650 FEL 990 FNL
30025111680000	Finaly Resources LLC	KING HARRISON C #3	3694	GAS	[79240] JALMAT;TAN-YATES-7 RVRS (GAS)	1657.36	6/8/1937	8/8/1937	245	37E	20	660 FWL 1980 FSL
30025255120000	CIMAREX ENERGY CO. OF COLORADO	CITIES THOMAS #2	3710	PLUGOIL	PLUGGED	1830.04	4/21/1977	5/26/1977	245	37E	19	660 FEL 480 FNL
30025111730000	MCDONNOLD OPERATING INC	LANGUE JACK UNIT #6	3611	INJECT	[37240] LANGUE MATTX;7 RVRS-Q-GRAYBURG	2106.32	6/11/1947	8/7/1947	245	37E	20	660 FWL 660 FNL
30025111650000	EL PASO NATURAL GAS CO	J J THOMAS #1	3676	PLUGOIL	PLUGGED	2243.35	6/19/1959	11/27/1959	245	37E	19	2173 FEL 660 FNL
30025294640000	FAE II Operating LLC	THOMAS A #4	3691	OIL	[37240] LANGUE MATTX;7 RVRS-Q-GRAYBURG	2330.47	12/16/1983	1/13/1984	245	37E	19	1880 FEL 990 FSL
J 245-37E 20KK	FAE II Operating LLC	FLUOR HARRISON #2		LOC-INI	New Injection Location	2587.79	TBD	TBD	245	37E	20	1158 FSL 1136 FSL

Exhibit B2

ADELE SOWELL #1
API: 30-025-25630

UWI/API	OPERATOR	WELL LABEL	TD	WELL TYPE	CURRENT ZONE	Distance from ADELE SOWELL 1 (feet)	SPUD DATE	COMP DATE	TOWNSHIP	RANGE	SECTION	FOOTAGE
30025256300000	FAE II Operating LLC	ADELE SOWELL 1	3700	GAS	[37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG	0	8/27/1977	9/23/1977	24S	37E	19	990 FEL 330 FSL
30025258710000	FAE II Operating LLC	JACK B 30 2	3715	OIL	[37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG; [79240] JALMA-TAN-YATES-7 RVR5 (GAS)	987.96	3/8/1978	7/1/1978	24S	37E	30	1725 FEL 330 FNL
30025116300000	CITIES SERVICE OIL & GAS CORPORATION	THOMAS 1	3663	PLUGGAS	PLUGGED	1042.74	8/30/1950	10/9/1950	24S	37E	19	1980 FEL 660 FSL
30025351390000	FAE II Operating LLC	JACK B 30 3	3700	OIL	[33820] JALMA-TAN-YATES-7 RVR5 (OIL); [37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG	1044.48	9/8/2000	9/25/2000	24S	37E	30	660 FEL 660 FNL
30025284640000	FAE II Operating LLC	THOMAS A #4	3691	OIL	[37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG	1110.42	12/16/1983	1/13/1984	24S	37E	19	1880 FEL 990 FSL
300252575550000	FAE II Operating LLC	ADELE SOWELL 2	3718	GAS	[37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG	1360.03	1/10/1978	1/31/1978	24S	37E	19	660 FEL 1650 FSL
NIU 24S 37E 30AA	FAE II Operating LLC	JACK B 30 5		LOC-INJ	New Injection Location	1427.53	TBD	TBD	24S	37E	30	1030 FNL 1416 FEL
30025254910000	FAE II Operating LLC	FLUOR HARRISON #1	3700	GAS	[79240] JALMA-TAN-YATES-7 RVR5 (GAS)	1681.87	4/11/1977	5/4/1977	24S	37E	20	660 FNL 660 FSL
NIU 24S 37E 29DD	FAE II Operating LLC	JACK B 30 6		LOC-INJ	New Injection Location	1854.23	TBD	TBD	24S	37E	30	1348 FNL 250 FEL
30025262390000	ATLANTIC RICHFIELD COMPANY THE	HARRISON 2	3682	PLUGOIL	PLUGGED	1867.6	2/17/1979	4/26/1979	24S	37E	29	330 FNL 990 FNL
30025261390000	FAE II Operating LLC	THOMAS A #3	3750	OIL	[37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG	1925.77	3/26/1979	4/27/1979	24S	37E	19	1980 FEL 1980 FSL
30025112820000	APACHE CORPORATION	W H HARRISON A WN COM #2	3650	GAS	[79240] JALMA-TAN-YATES-7 RVR5 (GAS)	1925.8	1/3/1937	3/17/1937	24S	37E	29	660 FNL 660 FSL
3025112840000	FAE II Operating LLC	JACK B 30 1	3715	OIL	[33820] JALMA-TAN-YATES-7 RVR5 (OIL); [37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG; [79240] JALMA-TAN-YATES-7 RVR5 (GAS)	1979.19	9/17/1947	10/20/1947	24S	37E	30	990 FEL 1650 FSL
I 24S 37E ZONN	FAE II Operating LLC	KIMINY 5		LOC-INJ	New Injection Location	2203.26	TBD	TBD	24S	37E	29	201 FNL 1120 FSL
J 24S 37E ZOHK	FAE II Operating LLC	FLUOR HARRISON #2		LOC-INJ	New Injection Location	2302.87	TBD	TBD	24S	37E	20	1158 FSL 1136 FSL
302511600000	LEGACY RESERVES OPERATING, LP	COOPER JAL UNIT #221	3770	OIL	[33820] JALMA-TAN-YATES-7 RVR5 (OIL); [37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG	2327.47	8/29/1949	9/16/1949	24S	37E	19	1916 FNL 660 FSL
302511680000	Finaly Resources LLC	KING HARRISON C #3	3694	GAS	[79240] JALMA-TAN-YATES-7 RVR5 (GAS)	2329.56	6/8/1937	8/8/1937	24S	37E	20	660 FNL 1980 FSL
3025112900000	LEGACY RESERVES OPERATING, LP	COOPER JAL UNIT #228	3134	INJECT	[33820] JALMA-TAN-YATES-7 RVR5 (OIL)	2511.22	10/30/1949	11/24/1949	24S	37E	30	1917 FNL 660 FSL

Exhibit B3

ADELE SOWELL #2
API: 30-025-25755

UWI/API	OPERATOR	WELL LABEL	TD	WELL TYPE	CURRENT ZONE	Distance from ADELE SOWELL 2 (feet)	SPUD DATE	COMP DATE	TOWNSHIP	RANGE	SECTION	FOOTAGE
30025257550000	FAE II Operating LLC	ADELE SOWELL 2	3718	GAS	[37240] LANGUE MATTX;7 RVRS-Q-GRAVBURG	0	1/10/1978	1/31/1978	245	37E	19	660 FEL 1650 FSL
30025256080000	FAE II Operating LLC	CITIES THOMAS 3	3700	GAS	[37240] LANGUE MATTX;7 RVRS-Q-GRAVBURG	1327.96	8/17/1977	9/11/1977	245	37E	19	660 FEL 2310 FWL
30025111680000	Finaly Resources LLC	KING HARRISON C #3	3694	GAS	[79240] JALMAT;TAN-YATES-7 RVRS (GAS)	1358.83	6/8/1937	8/8/1937	245	37E	20	660 FWL 1980 FSL
30025256300000	FAE II Operating LLC	ADELE SOWELL 1	3700	GAS	[37240] LANGUE MATTX;7 RVRS-Q-GRAVBURG	1360.03	8/27/1977	9/23/1977	245	37E	19	990 FEL 330 FSL
30025261390000	FAE II Operating LLC	THOMAS A #3	3750	OIL	[37240] LANGUE MATTX;7 RVRS-Q-GRAVBURG	1360.95	3/26/1979	4/27/1979	245	37E	19	1980 FEL 1980 FSL
30025264640000	FAE II Operating LLC	THOMAS A #4	3691	OIL	[37240] LANGUE MATTX;7 RVRS-Q-GRAVBURG	1387.15	12/16/1983	1/13/1984	245	37E	19	1880 FEL 990 FSL
30025111630000	CITIES SERVICE OIL & GAS CORPORATION	THOMAS 1	3663	PLUGGAS	[79240] JALMAT;TAN-YATES-7 RVRS (GAS)	1647.8	8/30/1950	10/9/1950	245	37E	19	1980 FEL 660 FSL
30025256290000	Finaly Resources LLC	KING HARRISON C #1	3757	GAS	[79240] JALMAT;TAN-YATES-7 RVRS (GAS)	1652.64	9/8/1977	10/18/1977	245	37E	20	330 FWL 2310 FNL
30025254910000	FAE II Operating LLC	FLUOR HARRISON #1	3700	GAS	[79240] JALMAT;TAN-YATES-7 RVRS (GAS)	1653.03	4/11/1977	5/4/1977	245	37E	20	660 FWL 660 FSL
NIU 245-37E 20KK	FAE II Operating LLC	FLUOR HARRISON #2		LOC-NU	New Injection Location	1893.43	TBD	TBD	245	37E	20	1158 FSL 1136 FWL
30025257560000	FAE II Operating LLC	CITIES THOMAS 4	3733	OIL	[37240] LANGUE MATTX;7 RVRS-Q-GRAVBURG	1936.69	12/28/1977	2/1/1978	245	37E	19	1650 FEL 1980 FNL
30025111640000	OXY USA WTP LIMITED PARTNERSHIP	THOMAS #2	3680	PLUGOIL	[79240] JALMAT;TAN-YATES-7 RVRS (GAS)	2045.67	8/31/1951	9/28/1951	245	37E	19	2210 FEL 2310 FNL
30025258710000	FAE II Operating LLC	JACK B 30 2	3715	OIL	[37240] LANGUE MATTX;7 RVRS-Q-GRAVBURG	2247.45	3/8/1978	7/1/1978	245	37E	30	1725 FEL 330 FNL
3025351390000	FAE II Operating LLC	JACK B 30 3	3700	OIL	[33820] JALMAT;TAN-YATES-7 RVRS (OIL); [37240] LANGUE MATTX;7 RVRS-Q-GRAVBURG	2310.27	9/8/2000	9/25/2000	245	37E	30	660 FEL 660 FNL
3025240710000	Finaly Resources LLC	KING HARRISON C #5	3620	GAS	[37240] LANGUE MATTX;7 RVRS-Q-GRAVBURG	2339.34	3/29/1972	4/8/1972	245	37E	20	1680 FWL 1700 FNL
NI 245-37E 20NN	FAE II Operating LLC	KIMMY 5		LOC-NU	New Injection Location	2595.2	TBD	TBD	245	37E	29	201 FNL 1120 FNL

1/2 Mile Radius

Exhibit B4

KIMMY #3
API: 30-025-26437

1/2 Mile Radius

UWI/API	OPERATOR	WELL LABEL	TD	WELL TYPE	CURRENT ZONE	Distance from Kimmy #3 (Feet)	SPUD DATE	COMP DATE	TOWNSHIP	RANGE	SECTION	FOOTAGE
30025264900000	FAE II Operating LLC	KIMMY #3	3670	OIL	[37240] LANGUE MATTX;7 RVR-S-Q-GRAYBURG	0	8/23/1979	10/27/1979	245	37E	29	330 FWL 1650 FSL
30025112830000	APACHE CORPORATION	WM H HARRISON D WN COM #1	3699	PLUGGAS	PLUGGED	468.21	6/23/1937	8/27/1937	245	37E	29	660 FWL 1980 FSL
30025266380000	FAE II Operating LLC	KIMMY #4	3653	OIL	[37240] LANGUE MATTX;7 RVR-S-Q-GRAYBURG	829.33	1/24/1980	2/2/1980	245	37E	29	660 FWL 890 FSL
30025261000000	FAE II Operating LLC	GULF EDDIE CORRIGAN 2	3734	GAS	[37240] LANGUE MATTX;7 RVR-S-Q-GRAYBURG	931.65	10/8/1978	10/29/1978	245	37E	30	330 FEL 2310 FSL
30025260860000	FAE II Operating LLC	GULF EDDIE CORRIGAN 1	3750	GAS	[37240] LANGUE MATTX;7 RVR-S-Q-GRAYBURG	934.24	9/29/1978	10/27/1978	245	37E	30	330 FEL 990 FSL
30025112835000	GULF OIL CORPORATION	WOOLWORTH 1	3803	PLUGGAS	PLUGGED	1042.85	3/27/1937	5/23/1937	245	37E	30	660 FWL 1980 FSL
NIU_245_37E_29KK	FAE II Operating LLC	KIMMY 6		LOC-NU	PLUGGED	1133.82	TBD	TBD	245	37E	29	1085 FSL 1299 FWL
NIU_245_37E_29EE	FAE II Operating LLC	JACK B 307		LOC-NU	New Injection Location	1425.8	TBD	TBD	245	37E	30	2320 FWL 248 FEL
30025112860000	GULF OIL CORPORATION	WOOLWORTH 2	3657	PLUGGAS	PLUGGED	1474.6	1/1/1940	4/10/1940	245	37E	30	330 FEL 330 FSL
NIU_245_37E_30II	FAE II Operating LLC	C D WOOLWORTH #12		LOC-NU	New Injection Location	1526.88	TBD	TBD	245	37E	30	1461 FSL 1210 FEL
30025273670000	APACHE CORPORATION	WM H HARRISON D WN COM #7	3756	GAS	[79240] JALMAT;7 RVR-S (GAS)	1682.79	4/23/1981	8/9/1981	245	37E	29	1980 FWL 1980 FSL
30025260600000	YURONKA JOHN	HARRISON 1	3680	PLUGOIL	PLUGGED	1694.69	8/21/1978	10/26/1978	245	37E	29	660 FWL 1980 FNL
30025264900000	FAE II Operating LLC	KIMMY K #002	3660	SWD	[37240] LANGUE MATTX;7 RVR-S-Q-GRAYBURG; [96121] SWD;SAN ANDRES; [96132] SWD;SEVEN RIVERS-QUEEN	1876.2	10/4/1979	12/10/1979	245	37E	29	1650 FWL 2310 FNL
30025246690000	APACHE CORPORATION	WM H HARRISON D WN COM #6	3656	PLUGGAS	PLUGGED	1924.1	4/11/1974	5/21/1974	245	37E	29	1980 FWL 660 FSL
NIU_245_37E_30HH	FAE II Operating LLC	JACK B 308		LOC-NU	New Injection Location	1986.23	TBD	TBD	245	37E	30	2523 FNL 1340 FSL
30025287980000	FAE II Operating LLC	C D WOOLWORTH #7	3750	OIL	[33820] JALMAT;7 RVR-S-Q-GRAYBURG; [37240] LANGUE MATTX;7 RVR-S-Q-GRAYBURG	2331.32	7/31/1984	10/1/1984	245	37E	30	1980 FWL 1980 FSL
NIU_245_37E_29DD	FAE II Operating LLC	JACK B 306		LOC-NU	New Injection Location	2352.6	TBD	TBD	245	37E	30	1348 FNL 250 FSL
30025345550000	HERMAN L LOEB LLC	STATE A 32 #005	3200	PLUGGAS	PLUGGED	2384.72	6/4/1999	7/8/1999	245	37E	32	660 FWL 710 FNL
30025112840000	FAE II Operating LLC	JACK B-30 1	3715	OIL	[33820] JALMAT;7 RVR-S-Q-GRAYBURG; [37240] LANGUE MATTX;7 RVR-S-Q-GRAYBURG	2391.74	9/17/1947	10/20/1947	245	37E	30	990 FEL 1650 FNL
30025287310000	FAE II Operating LLC	C D WOOLWORTH #6	3750	OIL	[33820] JALMAT;7 RVR-S-Q-GRAYBURG; [37240] LANGUE MATTX;7 RVR-S-Q-GRAYBURG	2512.87	5/31/1984	10/10/1984	245	37E	30	1980 FEL 660 FSL

Exhibit B5

C D WOOLWORTH #10
API: 30-025-33881

UWI/API	OPERATOR	WELL LABEL	TD	WELL TYPE	CURRENT ZONE	Distance from C D WOOLWORTH #10 (feet)	SPUD DATE	COMP DATE	TOWNSHIP	RANGE	SECTION	FOOTAGE
30025338810000	FAE II Operating LLC	C D WOOLWORTH #10	3750	OIL	[33820] JALMAT-TAN-YATES-7 RVR5 (OIL) ; [37240] LANGUE MATTIX-7 RVR5-Q-GRAYBURG	0	3/29/1997	5/29/1997	245	37E	30	2630 FEL 1400 FSL
30025328620000	FAE II Operating LLC	C D WOOLWORTH #8	3800	OIL	[33820] JALMAT-TAN-YATES-7 RVR5 (OIL)	810.81	4/24/1995	7/14/1995	245	37E	30	1980 FWL 1930 FSL
30025128700000	GULF OIL CORPORATION	CD WOOLWORTH 3	3300	PLUGGAS		844.84	5/9/1949	6/12/1949	245	37E	30	1980 FWL 1980 FSL
30025287980000	FAE II Operating LLC	C D WOOLWORTH #7	3750	OIL	[33820] JALMAT-TAN-YATES-7 RVR5 (OIL) ; [37240] LANGUE MATTIX-7 RVR5-Q-GRAYBURG	869.96	7/31/1984	10/1/1984	245	37E	30	1980 FEL 1980 FSL
30025328630000	OXY USA INC	C D WOOLWORTH #9	3800	PLUGOIL	PLUGGED	966.33	4/30/1995	6/21/1995	245	37E	30	1980 FWL 660 FSL
30025287310000	FAE II Operating LLC	C D WOOLWORTH #6	3750	OIL	[33820] JALMAT-TAN-YATES-7 RVR5 (OIL) ; [37240] LANGUE MATTIX-7 RVR5-Q-GRAYBURG	986.44	5/31/1984	10/10/1984	245	37E	30	1980 FEL 660 FSL
30025338820000	OXY USA INC	C D WOOLWORTH #11	3760	PLUGOIL	PLUGGED	1286.64	4/14/1997	5/22/1997	245	37E	30	1330 FWL 1185 FSL
NIU_245-37E_30KK	FAE II Operating LLC	C D WOOLWORTH #13		LOC-NU	New Injection Location	1348.09	TBD	TBD	245	37E	30	1323 FSL 1212 FWL
NIU_245-37E_30II	FAE II Operating LLC	C D WOOLWORTH #12		LOC-NU	New Injection Location	1443.48	TBD	TBD	245	37E	30	1461 FSL 1210 FEL
NIU_245-37E_30NN	FAE II Operating LLC	C D WOOLWORTH #14		LOC-NU	New Injection Location	1845.91	TBD	TBD	245	37E	30	109 FSL 1249 FWL
NIU_245-37E_30HH	FAE II Operating LLC	JACK B 30 8		LOC-NU	New Injection Location	1888.14	TBD	TBD	245	37E	30	2523 FNL 1940 F
30025254640000	FAE II Operating LLC	C D WOOLWORTH #4	3700	OIL	[33820] JALMAT-TAN-YATES-7 RVR5 (OIL) ; [37240] LANGUE MATTIX-7 RVR5-Q-GRAYBURG	1956.88	3/22/1977	5/14/1977	245	37E	30	760 FWL 2080 F
30025128900000	LEGACY RESERVES OPERATING, LP	COOPER JAL UNIT #232	3130	OIL	[33820] JALMAT-TAN-YATES-7 RVR5 (OIL)	2023.25	9/11/1949	10/12/1949	245	37E	30	1917 FWL 1980 F
30025128500000	GULF OIL CORPORATION	WOOLWORTH 1	3803	PLUGGAS		2051.12	3/27/1937	5/23/1937	245	37E	30	660 FEL 1980 F
30025257900000	FAE II Operating LLC	C D WOOLWORTH #5	3750	OIL	[33820] JALMAT-TAN-YATES-7 RVR5 (OIL) ; [37240] LANGUE MATTIX-7 RVR5-Q-GRAYBURG	2074.28	2/27/1978	3/21/1978	245	37E	30	660 FWL 660 F
30025379590000	FAE II Operating LLC	MARTIN B 3	3550	GAS	[76480] EUMONT-YATES-7 RVR5-QUEEN (GAS) ; [79240] JALMAT-TAN-YATES-7 RVR5 (GAS)	2167.84	1/3/2007	2/15/2007	245	37E	31	1917 FWL 660 F
30025261000000	FAE II Operating LLC	GULF EDDIE CORRIGAN 1	3750	GAS	[37240] LANGUE MATTIX-7 RVR5-Q-GRAYBURG	2335.44	9/29/1978	10/27/1978	245	37E	30	330 FEL 990 F
30025130400000	LEGACY RESERVES OPERATING, LP	LANGLUE JAL UNIT #01	3548	PLUGINI	[37240] LANGUE MATTIX-7 RVR5-Q-GRAYBURG	2472.31	10/8/1978	10/29/1978	245	37E	30	330 FEL 2310 F
30025128600000	GULF OIL CORPORATION	WOOLWORTH 2	3657	PLUGGAS	PLUGGED	2478.66	7/19/1957	9/11/1957	245	37E	31	1977 FEL 990 F
						2538.44	1/1/1940	4/10/1940	245	37E	30	330 FEL 330 F

Exhibit B6

FLUOR HARRISON #2

UWI/API	OPERATOR	WELL LABEL	TD	WELL TYPE	CURRENT ZONE	Distance from FLUOR HARRISON #2 (feet)	SPUD DATE	COMP DATE	TOWNSHIP	RANGE	SECTION	FOOTAGE
NIU 245-37E 20KK	FAE II Operating LLC	FLUOR HARRISON #2	3700	LOC INJ	New Injection Location	0	TBD	TBD	245	37E	20	1158 FSL 1136 FWL
30025254910000	FAE II Operating LLC	FLUOR HARRISON #1	3700	GAS	[79240] JALUMAT; TAN-VATES-7 RVRIS (GAS)	702.11	4/11/1977	5/4/1977	245	37E	20	660 FWL 660 FSL
30025240710000	Finaly Resources LLC	KING HARRISON C #5	3620	GAS	[79240] JALUMAT; TAN-VATES-7 RVRIS (GAS)	751.7	3/29/1972	4/8/1972	245	37E	20	1680 FWL 1700 FSL
30025260360000	FAE II Operating LLC	HENRY HARRISON #1	3816	GAS	[37240] LANGUE MATTX; 7 RVRIS-Q-GRAYBURG	955.35	8/31/1978	9/26/1978	245	37E	20	1650 FWL 330 FSL
30025111680000	Finaly Resources LLC	KING HARRISON C #3	3694	GAS	[79240] JALUMAT; TAN-VATES-7 RVRIS (GAS)	973.58	6/8/1937	8/8/1937	245	37E	20	660 FWL 1980 FSL
30025111750000	WISER OIL CO	CALLEY A #1	3635	PLUGGAS	PLUGGED	1247.06	8/9/1939	9/14/1939	245	37E	20	2310 FWL 660 FSL
NIU 245-37E 20NN	FAE II Operating LLC	KIMMY 5		LOC INJ	New Injection Location	1359	TBD	TBD	245	37E	29	201 FWL 1120 FWL
30025112820000	APACHE CORPORATION	W H HARRISON A WN COM #2	3650	GAS	[79240] JALUMAT; TAN-VATES-7 RVRIS (GAS)	1878.7	1/3/1937	3/17/1937	245	37E	29	660 FWL 660 FWL
30025257550000	FAE II Operating LLC	ADELE SOWELL 2	3718	GAS	[37240] LANGUE MATTX; 7 RVRIS-Q-GRAYBURG	1893.43	1/10/1978	1/31/1978	245	37E	19	660 FEL 1650 FSL
30025262900000	Finaly Resources LLC	KING HARRISON C #1	3757	GAS	[79240] JALUMAT; TAN-VATES-7 RVRIS (GAS)	2012.02	9/8/1977	10/18/1977	245	37E	20	330 FWL 2310 FWL
30025262430000	FAE II Operating LLC	KIMMY K #1	3680	GAS	[37240] LANGUE MATTX; 7 RVRIS-Q-GRAYBURG	2194.15	2/28/1979	3/21/1979	245	37E	29	1650 FWL 990 FWL
30025116900000	MCDONNOLD OPERATING INC	LANGUE JACK UNIT #14	3593	INJECT	[37240] LANGUE MATTX; 7 RVRIS-Q-GRAYBURG	2204.19	7/21/1939	9/2/1939	245	37E	20	1980 FEL 660 FSL
30025247890000	FAE II Operating LLC	JACK A 20 10	3428	GAS	[79240] JALUMAT; TAN-VATES-7 RVRIS (GAS)	2281.26	7/20/1974	9/4/1974	245	37E	20	1880 FEL 760 FSL
30025262390000	ATLANTIC RICHFIELD COMPANY THE	HARRISON 2	3682	PLUGOIL	PLUGGED	2293	2/17/1979	4/26/1979	245	37E	29	330 FWL 990 FSL
30025111720000	MCDONNOLD OPERATING INC	LANGUE JACK UNIT #7	3582	INJECT	[37240] LANGUE MATTX; 7 RVRIS-Q-GRAYBURG	2297	6/9/1939	7/11/1939	245	37E	20	1980 FWL 1980 FSL
30025116700000	MCDONNOLD OPERATING INC	LANGUE JACK UNIT #13	3594	OIL	[37240] LANGUE MATTX; 7 RVRIS-Q-GRAYBURG	2297.91	6/5/1939	7/3/1939	245	37E	20	1980 FEL 1980 FSL
30025256300000	FAE II Operating LLC	ADELE SOWELL 1	3700	GAS	[37240] LANGUE MATTX; 7 RVRIS-Q-GRAYBURG	2302.87	8/27/1977	9/23/1977	245	37E	19	990 FEL 330 FSL
30025307090000	FAE II Operating LLC	JACK A 20 11	3472	GAS	[79240] JALUMAT; TAN-VATES-7 RVRIS (GAS)	2377.53	10/24/1989	11/4/1989	245	37E	20	1980 FEL 2180 FSL
30025351390000	FAE II Operating LLC	JACK B 30 3	3700	OIL	[33820] JALUMAT; TAN-VATES-7 RVRIS (OIL) ; [37240] LANGUE MATTX; 7 RVRIS-Q-GRAYBURG	2565.66	9/8/2000	9/25/2000	245	37E	30	660 FEL 660 FSL
30025256080000	FAE II Operating LLC	CITIES THOMAS 3	3700	GAS	[37240] LANGUE MATTX; 7 RVRIS-Q-GRAYBURG	2587.79	8/17/1977	9/11/1977	245	37E	19	660 FEL 2310 FSL

Exhibit B7

KIMMY #5

1/2 Mile Radius												
UWI/API	OPERATOR	WELL LABEL	TD	WELL TYPE	CURRENT ZONE	Distance from KIMMY 5 (feet)	SPUD DATE	COMP DATE	TOWNSHIP	RANGE	SECTION	FOOTAGE
NLU_245-37E_20NN	FAE II Operating LLC	KIMMY 5		LOC-INI	New Injection Location	0	TBD	TBD	245	37E	29	201 FNL 1120 FWL
30025112820000	APACHE CORPORATION	W H HARRISON A WN COM #2	3650	GAS	[79240] JALMAT:TAN-YATES-7 RVRB (GAS)	662.86	1/3/1937	3/17/1937	245	37E	29	660 FWL 660 FNL
3002560360000	FAE II Operating LLC	HENRY HARRISON #1	3816	GAS	[37240] LANGUE MATTX:7 RVRB-Q-GRAYBURG	735.56	8/31/1978	9/26/1978	245	37E	20	1650 FWL 330 FSL
3002562430000	FAE II Operating LLC	KIMMY #1	3680	GAS	[37240] LANGUE MATTX:7 RVRB-Q-GRAYBURG	929.12	2/28/1979	3/21/1979	245	37E	29	1650 FWL 990 FNL
30025354910000	FAE II Operating LLC	FLUOR HARRISON #1	3700	GAS	[79240] JALMAT:TAN-YATES-7 RVRB (GAS)	996.04	4/11/1977	5/4/1977	245	37E	20	660 FWL 660 FSL
3002562390000	ATLANTIC RICHFIELD COMPANY THE	HARRISON 2	3682	PLUGOIL	PLUGGED	1126.14	2/17/1979	4/26/1979	245	37E	29	330 FWL 990 FNL
NLU_245-37E_20KK	FAE II Operating LLC	FLUOR HARRISON #2		LOC-INI	New Injection Location	1359	TBD	TBD	245	37E	20	1158 FSL 1136 FWL
30025111750000	WISER OIL CO	ALLEY A #1	3635	PLUGGAS	PLUGGED	1450.07	8/9/1939	9/14/1939	245	37E	20	2310 FWL 660 FSL
NLU_245-37E_29DD	FAE II Operating LLC	JACK B 30 6		LOC-INI	New Injection Location	1788.19	TBD	TBD	245	37E	30	1348 FNL 250 FSL
3002560600000	YURONKA JOHN	HARRISON 1	3680	PLUGOIL	PLUGGED	1837.12	8/21/1978	10/26/1978	245	37E	29	660 FWL 1980 FNL
30025351390000	FAE II Operating LLC	JACK B 30 3	3700	OIL	[33820] JALMAT:TAN-YATES-7 RVRB (OIL) ; [37240] LANGUE MATTX:7 RVRB-Q-GRAYBURG	1858.48	9/8/2000	9/25/2000	245	37E	30	660 FWL 660 FNL
30025240710000	Finally Resources LLC	KING HARRISON C #5	3620	GAS	[79240] JALMAT:TAN-YATES-7 RVRB (GAS)	1980.39	3/29/1972	4/8/1972	245	37E	20	1680 FWL 1700 FSL
3002564900000	FAE II Operating LLC	KIMMY K #002	3660	SWD	[37240] LANGUE MATTX:7 RVRB-Q-GRAYBURG ; [96121] SWD:SAN ANDRES ; [96132] SWD:SEVEN RIVERS-QUEEN	2160.99	10/4/1979	12/10/1979	245	37E	29	1650 FWL 2310 FNL
30025356300000	FAE II Operating LLC	ADELE SOWELL 1	3700	GAS	[37240] LANGUE MATTX:7 RVRB-Q-GRAYBURG	2203.26	8/27/1977	9/23/1977	245	37E	19	990 FEL 330 FS
3025111680000	Finally Resources LLC	KING HARRISON C #3	3694	GAS	[79240] JALMAT:TAN-YATES-7 RVRB (GAS)	2244.14	6/8/1937	8/8/1937	245	37E	20	660 FWL 1980 FNL
3025111690000	MCDONNOLD OPERATING INC	LANGUE JACK UNIT #14	3593	INJECT	[37240] LANGUE MATTX:7 RVRB-Q-GRAYBURG	2331.42	7/21/1939	9/2/1939	245	37E	20	1980 FEL 660 FS
3025247890000	FAE II Operating LLC	JACK A 20 10	3428	GAS	[79240] JALMAT:TAN-YATES-7 RVRB (GAS)	2461.91	7/20/1974	9/4/1974	245	37E	20	1880 FEL 760 FS
3025233990000	MCDONNOLD OPERATING INC	JACK A 29 #5	3630	OIL	[37240] LANGUE MATTX:7 RVRB-Q-GRAYBURG	2473.63	11/1/1970	11/20/1970	245	37E	29	1750 FEL 825 FS
NLU_245-37E_29FE	FAE II Operating LLC	JACK B 30 7		LOC-INI	New Injection Location	2534.54	TBD	TBD	245	37E	30	2320 FNL 248 FS
3025112840000	FAE II Operating LLC	JACK B 30 1	3715	OIL	[33820] JALMAT:TAN-YATES-7 RVRB (OIL) ; [37240] LANGUE MATTX:7 RVRB-Q-GRAYBURG ; [79240] JALMAT:TAN-YATES-7 RVRB (GAS)	2572.6	9/17/1947	10/20/1947	245	37E	30	990 FEL 1650 FNL
30252555500000	FAE II Operating LLC	ADELE SOWELL 2	3718	GAS	[37240] LANGUE MATTX:7 RVRB-Q-GRAYBURG	2595.2	1/10/1978	1/31/1978	245	37E	19	660 FEL 1650 FS

Exhibit B8

KIMMY #6

UW/API	OPERATOR	WELL LABEL	TD	WELL TYPE	CURRENT ZONE	Distance from KIMMY 6 (feet)	SPUD DATE	COMP DATE	TOWNSHIP	RANGE	SECTION	FOOTAGE
NIU 245-37E 29KK	FAE II Operating LLC	KIMMY 6		LOC-INT	New Injection Location	0	TBD	TBD	245	37E	29	1085 FSL 1299 FWL
30025266380000	FAE II Operating LLC	KIMMY #4	3653	OIL	[37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG PLUGGED	695.75	1/24/1980	2/2/1980	245	37E	29	660 FWL 890 FSL
30025246690000	APACHE CORPORATION	WMH HARRISON D WN COM #6	3656	PLUGGAS	[37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG PLUGGED	791.94	4/11/1974	5/21/1974	245	37E	29	1980 FWL 660 FSL
30025273670000	APACHE CORPORATION	WMH HARRISON D WN COM #7	3756	GAS	[79240] JALMAT;TAN-YATES-7 RVR5 (GAS) PLUGGED	1098.82	4/23/1981	8/9/1981	245	37E	29	1980 FWL 1980 FSL
30025112830000	APACHE CORPORATION	WMH HARRISON D WN COM #1	3699	PLUGGAS	[37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG PLUGGED	1099.63	6/23/1937	8/27/1937	245	37E	29	660 FWL 1980 FSL
30025264370000	FAE II Operating LLC	KIMMY #3	3670	OIL	[37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG PLUGGED	1133.82	8/23/1979	10/27/1979	245	37E	29	330 FWL 1650 FSL
30025260860000	FAE II Operating LLC	GULF EDDIE CORRIGAN 1	3750	GAS	[37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG PLUGGED	1656.33	9/29/1978	10/27/1978	245	37E	30	330 FEL 990 FSL
30025113160000	FAE II Operating LLC	PENROC STATE #1	3587	OIL	[38820] JALMAT;TAN-YATES-7 RVR5 (OIL) PLUGGED	1738.27	4/28/1941	8/24/1941	245	37E	32	2310 FWL 330 FNL
30025112860000	GULF OIL CORPORATION	WOOLWORTH 2	3657	PLUGGAS	[37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG; [96121] SWD;SAN ANDRES ; [96132] SWD;SEVEN RIVERS-QUEEN	1821.74	1/1/1940	4/10/1940	245	37E	30	330 FEL 330 FSL
30025264900000	FAE II Operating LLC	KIMMY K #002	3660	SWD	[37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG; [96121] SWD;SAN ANDRES ; [96132] SWD;SEVEN RIVERS-QUEEN	1909.89	10/4/1979	12/10/1979	245	37E	29	1650 FWL 2310 FNL
30025345550000	HERMAN L LOEB LLC	STATE A 32 #005	3200	PLUGGAS	[37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG PLUGGED	1930.35	6/4/1999	7/8/1999	245	37E	32	660 FWL 710 FNL
30025261000000	FAE II Operating LLC	GULF EDDIE CORRIGAN 2	3734	GAS	[37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG PLUGGED	2045.21	10/8/1978	10/29/1978	245	37E	30	330 FEL 2310 FS
30025112850000	GULF OIL CORPORATION	WOOLWORTH 1	3803	PLUGGAS	[79240] JALMAT;TAN-YATES-7 RVR5 (GAS) PLUGGED	2167.5	3/27/1937	5/23/1937	245	37E	30	660 FEL 1980 FS
30025247880000	MCDONNOLD OPERATING INC	JACK A 29 #8	3200	GAS	[37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG PLUGGED	2173.91	7/24/1974	9/4/1974	245	37E	29	1980 FEL 1980 FSL
30025248380000	BXP Operating, LLC	LANGUE JAL UNIT #004	3850	OIL	[37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG PLUGGED	2198.73	8/31/1974	10/3/1974	245	37E	32	1980 FWL 990 FI
30025131100000	LEGACY RESERVES OPERATING, LP	LANGUE JAL UNIT #003	3575	PLUGIN	[37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG PLUGGED	2199.74	10/13/1939	11/14/1939	245	37E	32	660 FWL 990 FNL
30025260600000	YURONKA JOHN	HARRISON 1	3880	PLUGOIL	[37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG PLUGGED	2307.47	8/21/1978	10/26/1978	245	37E	29	660 FWL 1980 FSL
30025112790000	MCDONNOLD OPERATING INC	JACK A 29 #004	3589	INJECT	[37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG PLUGGED	2316.8	6/3/1940	7/10/1940	245	37E	29	1650 FEL 990 FS
U 245-37E 29EE	FAE II Operating LLC	JACK B 30 7		LOC-INT	New Injection Location	2420.73	TBD	TBD	245	37E	30	2320 FWL 248 FS
30025237790000	MCDONNOLD OPERATING INC	JACK A 29 #007	3660	OIL	[37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG New Injection Location	2497.07	5/19/1971	6/8/1971	245	37E	29	1750 FEL 2250 FS
U 245-37E 30H	FAE II Operating LLC	C D WOOLWORTH #12		LOC-INT	New Injection Location	2536.29	TBD	TBD	245	37E	30	1461 FSL 1210 FNL

Exhibit B9

JACK B 30 #5

UWI/API	OPERATOR	WELL LABEL	TD	WELL TYPE	CURRENT ZONE	Distance from JACK B 30 5 (feet)	SPUD DATE	COMP DATE	TOWNSHIP	RANGE	SECTION	FOOTAGE
NIU 245-37E 30AA	FAE II Operating LLC	JACK B 30 5		LOC-INJ	New Injection Location	0	TBD	TBD	245	37E	30	1030 FNL 1416 FEL
30025112840000	FAE II Operating LLC	JACK B-30 1	3715	OIL	[33820] JALMATITAN-YATES-7 RVR5 (OIL) ; [37240] LANGLE MATTX;7 RVR5-Q-GRAYBURG ; [79240] JALMATITAN-YATES-7 RVR5 (GAS)	730.23	9/17/1947	10/20/1947	245	37E	30	990 FEL 1650 FNL
3002528710000	FAE II Operating LLC	JACK B 30 2	3715	OIL	[37240] LANGLE MATTX;7 RVR5-Q-GRAYBURG ; [79240] JALMATITAN-YATES-7 RVR5 (GAS)	784.12	3/8/1978	7/1/1978	245	37E	30	1725 FEL 330 FNL
30025351390000	FAE II Operating LLC	JACK B 30 3	3700	OIL	[33820] JALMATITAN-YATES-7 RVR5 (OIL) ; [37240] LANGLE MATTX;7 RVR5-Q-GRAYBURG	825.43	9/8/2000	9/25/2000	245	37E	30	660 FEL 660 FNL
NIU 245-37E 29DD	FAE II Operating LLC	JACK B 30 6		LOC-INJ	New Injection Location	1208.01	TBD	TBD	245	37E	30	1348 FNL 250 FEL
30025256300000	FAE II Operating LLC	ADELE SOWELL 1	3700	GAS	[37240] LANGLE MATTX;7 RVR5-Q-GRAYBURG	1427.53	8/27/1977	9/23/1977	245	37E	19	990 FEL 330 FSL
NIU 245-37E 30HH	FAE II Operating LLC	JACK B 30 8		LOC-INJ	New Injection Location	1495.2	TBD	TBD	245	37E	30	2523 FNL 1340 FEL
30025262390000	ATLANTIC RICHFIELD COMPANY THE	HARRISON 2	3682	PLUGOIL	PLUGGED	1722.94	2/17/1979	4/26/1979	245	37E	29	330 FNL 990 FNL
NIU 245-37E 29EE	FAE II Operating LLC	JACK B 30 7		LOC-INJ	New Injection Location	1740.07	TBD	TBD	245	37E	30	2320 FNL 248 FEL
30025111630000	CITIES SERVICE OIL & GAS CORPORATION	THOMAS 1	3663	PLUGGAS	PLUGGED	1798.64	8/30/1950	10/9/1950	245	37E	19	1980 FEL 660 FSL
30025112900000	LEGACY RESERVES OPERATING, LP	COOPER JAL UNIT #228	3134	INJECT	[33820] JALMATITAN-YATES-7 RVR5 (OIL)	1943.36	10/30/1949	11/24/1949	245	37E	30	1917 FNL 660 FNL
30025112820000	APACHE CORPORATION	W H HARRISON A WN COM #2	3650	GAS	[79240] JALMATITAN-YATES-7 RVR5 (GAS)	2085.21	1/3/1937	3/17/1937	245	37E	29	660 FNL 660 FNL
30025286460000	FAE II Operating LLC	THOMAS A #4	3691	OIL	[37240] LANGLE MATTX;7 RVR5-Q-GRAYBURG	2089.24	12/16/1983	1/13/1984	245	37E	19	1880 FEL 990 FNL
025112890000	LEGACY RESERVES OPERATING, LP	COOPER JAL UNIT #232	3130	OIL	[33820] JALMATITAN-YATES-7 RVR5 (OIL)	2131.83	9/11/1949	10/12/1949	245	37E	30	1917 FNL 1980 FNL
025261000000	FAE II Operating LLC	GULF EDDIE CORRIGAN 2	3734	GAS	[37240] LANGLE MATTX;7 RVR5-Q-GRAYBURG	2216.71	10/8/1978	10/29/1978	245	37E	30	330 FEL 2310 FNL
025260600000	YURONKA JOHN	HARRISON 1	3680	PLUGOIL	PLUGGED	2257.83	8/21/1978	10/26/1978	245	37E	29	660 FNL 1980 FNL
025287980000	FAE II Operating LLC	C D WOOLWORTH #7	3750	OIL	[33820] JALMATITAN-YATES-7 RVR5 (OIL) ; [37240] LANGLE MATTX;7 RVR5-Q-GRAYBURG	2348.01	7/31/1984	10/1/1984	245	37E	30	1980 FEL 1980 FNL
025112850000	GULF OIL CORPORATION	WOOLWORTH 1	3803	PLUGGAS	PLUGGED	2390.38	3/27/1937	5/23/1937	245	37E	30	660 FEL 1980 FNL
025329690000	LEGACY RESERVES OPERATING, LP	COOPER JAL UNIT #A13	3775	OIL	[33820] JALMATITAN-YATES-7 RVR5 (OIL) ; [37240] LANGLE MATTX;7 RVR5-Q-GRAYBURG	2534.97	5/27/1995	8/14/1995	245	37E	30	1300 FNL 1250 FNL
025111600000	LEGACY RESERVES OPERATING, LP	COOPER JAL UNIT #221	3770	OIL	[33820] JALMATITAN-YATES-7 RVR5 (OIL) ; [37240] LANGLE MATTX;7 RVR5-Q-GRAYBURG	2551.22	8/29/1949	9/16/1949	245	37E	19	1916 FNL 660 FNL

Exhibit B10

JACK B 30 #6

UWI/API	OPERATOR	WELL LABEL	TD	WELL TYPE	CURRENT ZONE	Distance from JACK B 30 6 (feet)	SPUD DATE	COMP DATE	TOWNSHIP	RANGE	SECTION	FOOTAGE
NUJ 245 37E 29DD	FAE II Operating LLC	JACK B 30 6	3682	LOC -INJ	New Injection Location	0	TBD	TBD	245	37E	30	1348 FNL 250 FEL
30025262930000	ATLANTIC RICHFIELD COMPANY THE	HARRISON 2		PLUGOIL	[33820] JALMAT:TAN -YATES-7 RVR5 (OIL) ; [37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG ; [79240] JALMAT:TAN -YATES-7 RVR5 (GAS)	668.62	2/17/1979	4/26/1979	245	37E	29	330 FWL 990 FNL
30025112840000	FAE II Operating LLC	JACK B-30 1	3715	OIL	[33820] JALMAT:TAN -YATES-7 RVR5 (OIL) ; [37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG	815.45	9/17/1947	10/20/1947	245	37E	30	990 FEL 1650 FNL
30025351390000	FAE II Operating LLC	JACK B 30 3	3700	OIL	[33820] JALMAT:TAN -YATES-7 RVR5 (OIL) ; [37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG	821.92	9/8/2000	9/25/2000	245	37E	30	660 FEL 660 FNL
NUJ 245 37E 29EE	FAE II Operating LLC	JACK B 30 7		LOC -INJ	New Injection Location	972.49	TBD	TBD	245	37E	30	2320 FNL 248 FEL
30025260600000	YURONKA JOHN	HARRISON 1	3680	PLUGOIL	PLUGGED	1083.98	8/21/1978	10/26/1978	245	37E	29	660 FWL 1980 FNL
30025112820000	APACHE CORPORATION	W H HARRISON A WVN COM #2	3650	GAS	[79240] JALMAT:TAN -YATES-7 RVR5 (GAS)	1126.75	1/3/1937	3/17/1937	245	37E	29	660 FWL 660 FNL
NUJ 245 37E 30AA	FAE II Operating LLC	JACK B 30 5		LOC -INJ	New Injection Location	1208.01	TBD	TBD	245	37E	30	1030 FNL 1416 FEL
NUJ 245 37E 30HH	FAE II Operating LLC	JACK B 30 8		LOC -INJ	New Injection Location	1602.63	TBD	TBD	245	37E	30	2523 FNL 1340 FEL
30025261000000	FAE II Operating LLC	GULF EDDIE CORRIGAN 2	3734	GAS	[37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG	1629.63	10/8/1978	10/29/1978	245	37E	30	330 FEL 2310 FSL
NUJ 245 37E 20NN	FAE II Operating LLC	KIMMY 5		LOC -INJ	New Injection Location	1788.19	TBD	TBD	245	37E	29	201 FNL 1120 FWL
30025258710000	FAE II Operating LLC	JACK B 30 2	3715	OIL	[37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG ; [79240] JALMAT:TAN -YATES-7 RVR5 (GAS)	1817.98	3/8/1978	7/1/1978	245	37E	30	1725 FEL 330 FNL
30025260300000	FAE II Operating LLC	ADELE SOWELL 1	3700	GAS	[37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG	1854.23	8/27/1977	9/23/1977	245	37E	19	990 FEL 330 FSL
30025262430000	FAE II Operating LLC	KIMMY K #1	3680	GAS	[37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG	1910.72	2/28/1979	3/21/1979	245	37E	29	1650 FWL 990 FNL
30025112850000	GULF OIL CORPORATION	WOOLWORTH 1	3803	PLUGGAS	PLUGGED	2004.46	3/27/1937	5/23/1937	245	37E	30	660 FEL 1980 FNL
30025264900000	FAE II Operating LLC	KIMMY K #002	3660	SWD	[37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG ; [96121] SWD;SAN ANDRES ; [96132] SWD;SEVEN RIVERS-QUEEN	2104.14	10/4/1979	12/10/1979	245	37E	29	1650 FWL 2310 F
30025112830000	APACHE CORPORATION	WIM H HARRISON D WVN COM #1	3699	PLUGGAS	PLUGGED	2147.4	6/23/1937	8/27/1937	245	37E	29	660 FWL 1980 F
30025254910000	FAE II Operating LLC	FLUOR HARRISON #1	3700	GAS	[79240] JALMAT:TAN -YATES-7 RVR5 (GAS)	2202.82	4/11/1977	5/4/1977	245	37E	20	660 FWL 660 FNL
30025264370000	FAE II Operating LLC	KIMMY #3	3670	OIL	[37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG	2352.56	8/23/1979	10/27/1979	245	37E	29	330 FWL 1650 F
30025260390000	FAE II Operating LLC	HENRY HARRISON #1	3816	GAS	[37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG	2519.98	8/31/1978	9/26/1978	245	37E	20	1650 FWL 330 F
30025287980000	FAE II Operating LLC	C D WOOLWORTH #7	3750	OIL	[33820] JALMAT:TAN -YATES-7 RVR5 (OIL) ; [37240] LANGUE MATTX;7 RVR5-Q-GRAVBURG	2624.91	7/31/1984	10/1/1984	245	37E	30	1980 FEL 1980 F

Exhibit B11

JACK B 30 #7

UWI/API	OPERATOR	WELL LABEL	TD	WELL TYPE	CURRENT ZONE	Distance from JACK B 30 7 (feet)	SPUD DATE	COMP DATE	TOWNSHIP	RANGE	SECTION	FOOTAGE
NIU_245-37E_29EE	FAE II Operating LLC	JACK B 30 7		LOC-INI	New Injection Location	0	TBD	TBD	245	37E	30	2320 FNL 248 FEL
30025261000000	FAE II Operating LLC	GULF EDDIE CORRIGAN 2	3734	GAS	[37240] LANGUE MATTX:7 RVR5-Q-GRAVBURG	662.06	10/8/1978	10/29/1978	245	37E	30	330 FEL 2310 FSL
30025260600000	YURONKA JOHN	HARRISON 1	3680	PLUGOIL	PLUGGED	951.4	8/21/1978	10/26/1978	245	37E	29	660 FWL 1980 FNL
NIU_245-37E_29DD	FAE II Operating LLC	JACK B 30 6		LOC-INI	New Injection Location	972.49	TBD	TBD	245	37E	30	1348 FNL 250 FEL
30025112840000	FAE II Operating LLC	JACK B-30 1	3715	OIL	[33820] JALMAT: TAN-YATES-7 RVR5 (OIL) ; [37240] LANGUE MATTX:7 RVR5-Q-GRAVBURG ; [79240] JALMAT: TAN-YATES-7 RVR5 (GAS)	1023.84	9/17/1947	10/20/1947	245	37E	30	990 FEL 1650 FNL
30025112850000	GULF OIL CORPORATION	WOOLWORTH 1	3803	PLUGGAS	PLUGGED	1076.29	3/27/1937	5/23/1937	245	37E	30	660 FEL 1980 FSL
NIU_245-37E_30HH	FAE II Operating LLC	JACK B 30 8		LOC-INI	New Injection Location	1110.1	TBD	TBD	245	37E	30	2523 FNL 1340 FEL
30025112830000	APACHE CORPORATION	WM H HARRISON D WN COM #1	3699	PLUGGAS	PLUGGED	1323.48	6/23/1937	8/27/1937	245	37E	29	660 FWL 1980 FSL
30025264370000	FAE II Operating LLC	KIMMY #3	3670	OIL	[37240] LANGUE MATTX:7 RVR5-Q-GRAVBURG	1425.8	8/23/1979	10/27/1979	245	37E	29	330 FWL 1650 FSL
30025262390000	ATLANTIC RICHFIELD COMPANY THE	HARRISON 2	3682	PLUGOIL	PLUGGED	1452.87	2/17/1979	4/26/1979	245	37E	29	330 FWL 990 FNL
30025351390000	FAE II Operating LLC	JACK B 30 3	3700	OIL	[33820] JALMAT: TAN-YATES-7 RVR5 (OIL) ; [37240] LANGUE MATTX:7 RVR5-Q-GRAVBURG	1726.77	9/8/2000	9/25/2000	245	37E	30	660 FEL 660 FNL
NIU_245-37E_30AA	FAE II Operating LLC	JACK B 30 5		LOC-INI	New Injection Location	1740.07	TBD	TBD	245	37E	30	1030 FNL 1416 FEL
NIU_245-37E_30II	FAE II Operating LLC	C D WOOLWORTH #12		LOC-INI	New Injection Location	1774.03	TBD	TBD	245	37E	30	1461 FSL 1210 FEL
30025264900000	FAE II Operating LLC	KIMMY K #002	3660	SWD	[37240] LANGUE MATTX:7 RVR5-Q-GRAVBURG ; [96121] SWD:SAN ANDRES ; [96132] SWD:SEVEN RIVERS-QUEEN	1874.9	10/4/1979	12/10/1979	245	37E	29	1650 FWL 2310 FNL
30025112820000	APACHE CORPORATION	WM HARRISON A WN COM #2	3650	GAS	[79240] JALMAT: TAN-YATES-7 RVR5 (GAS)	1889.02	1/3/1937	3/17/1937	245	37E	29	660 FWL 660 FNL
30025260860000	FAE II Operating LLC	GULF EDDIE CORRIGAN 1	3750	GAS	[37240] LANGUE MATTX:7 RVR5-Q-GRAVBURG	1977.42	9/29/1978	10/27/1978	245	37E	30	330 FEL 990 FSL
30025267980000	FAE II Operating LLC	C D WOOLWORTH #7	3750	OIL	[33820] JALMAT: TAN-YATES-7 RVR5 (OIL) ; [37240] LANGUE MATTX:7 RVR5-Q-GRAVBURG	2009.51	7/31/1984	10/1/1984	245	37E	30	1980 FEL 1980 FSL
30025266380000	FAE II Operating LLC	KIMMY #4	3653	OIL	[37240] LANGUE MATTX:7 RVR5-Q-GRAVBURG	2255.11	1/24/1980	2/27/1980	245	37E	29	660 FWL 890 FSL
30025262430000	FAE II Operating LLC	KIMMY K #1	3680	GAS	[37240] LANGUE MATTX:7 RVR5-Q-GRAVBURG	2303.77	2/28/1979	3/21/1979	245	37E	29	1650 FWL 990 FSL
30025273670000	APACHE CORPORATION	WM H HARRISON D WN COM #7	3756	GAS	[79240] JALMAT: TAN-YATES-7 RVR5 (GAS)	2412.9	4/23/1981	8/9/1981	245	37E	29	1980 FWL 1980 FSL
J_245-37E_29KK	FAE II Operating LLC	KIMMY 6		LOC-INI	New Injection Location	2420.73	TBD	TBD	245	37E	29	1085 FSL 1299 FSL
30025258710000	FAE II Operating LLC	JACK B 30 2	3715	OIL	[37240] LANGUE MATTX:7 RVR5-Q-GRAVBURG ; [79240] JALMAT: TAN-YATES-7 RVR5 (GAS)	2500.82	3/8/1978	7/1/1978	245	37E	30	1725 FEL 330 FSL
J_245-37E_20NN	FAE II Operating LLC	KIMMY 5		LOC-INI	New Injection Location	2524.54	TBD	TBD	245	37E	29	201 FNL 1120 FSL
30025112860000	GULF OIL CORPORATION	WOOLWORTH 2	3657	PLUGGAS	PLUGGED	2635.15	1/1/1940	4/10/1940	245	37E	30	330 FEL 330 FSL

Exhibit B12

JACK B 30 #8

UWI/API	OPERATOR	WELL LABEL	TD	WELL TYPE	CURRENT ZONE	Distance from JACK B 30 8 (feet)	SPUD DATE	COMP DATE	TOWNSHIP	RANGE	SECTION	FOOTAGE
NIU_245-37E_30HH	FAE II Operating LLC	JACK B 30 8		LOC-1N1	New Injection Location	0	TBD	TBD	245	37E	30	2523 FNL 1340 FEL
30025112840000	FAE II Operating LLC	JACK B-30 1	3715	OIL	[33820] JALMATITAN-YATES-7 RVRB (OIL) ; [37240] LANGUE MATTIK;7 RVRB-Q-GRAVBURG ; [79240] JALMATITAN-YATES-7 RVRB (GAS)	943.38	9/17/1947	10/20/1947	245	37E	30	990 FEL 1650 FNL
30025112850000	GULF OIL CORPORATION	WOOLWORTH 1	3803	PLUGGAS	PLUGGED	1021.38	3/27/1937	5/23/1937	245	37E	30	660 FEL 1980 FSL
30025287980000	FAE II Operating LLC	C D WOOLWORTH #7	3750	OIL	[33820] JALMATITAN-YATES-7 RVRB (OIL) ; [37240] LANGUE MATTIK;7 RVRB-Q-GRAVBURG	1022.91	7/31/1984	10/1/1984	245	37E	30	1980 FEL 1980 FSL
30025261000000	FAE II Operating LLC	GULF EDDIE CORRIGAN 2	3734	GAS	[37240] LANGUE MATTIK;7 RVRB-Q-GRAVBURG	1086.59	10/8/1978	10/29/1978	245	37E	30	330 FEL 2310 FSL
NIU_245-37E_29EE	FAE II Operating LLC	JACK B 30 7		LOC-1N1	New Injection Location	1110.1	TBD	TBD	245	37E	30	2320 FNL 248 FEL
NIU_245-37E_30I1	FAE II Operating LLC	C D WOOLWORTH #12		LOC-1N1	New Injection Location	1294.98	TBD	TBD	245	37E	30	1461 FSL 1210 FEL
NIU_245-37E_30AA	FAE II Operating LLC	JACK B 30 5		LOC-1N1	New Injection Location	1495.2	TBD	TBD	245	37E	30	1030 FNL 1416 FEL
NIU_245-37E_29DD	FAE II Operating LLC	JACK B 30 6		LOC-1N1	New Injection Location	1602.63	TBD	TBD	245	37E	30	1348 FNL 250 FEL
30025338810000	FAE II Operating LLC	C D WOOLWORTH #10	3750	OIL	[33820] JALMATITAN-YATES-7 RVRB (OIL) ; [37240] LANGUE MATTIK;7 RVRB-Q-GRAVBURG	1888.14	3/29/1997	5/29/1997	245	37E	30	2630 FEL 1400 FSL
30025351390000	FAE II Operating LLC	JACK B 30 3	3700	OIL	[33820] JALMATITAN-YATES-7 RVRB (OIL) ; [37240] LANGUE MATTIK;7 RVRB-Q-GRAVBURG	1985.61	9/8/2000	9/25/2000	245	37E	30	660 FEL 660 FNL
30025264370000	FAE II Operating LLC	KIMINY #3	3670	OIL	[37240] LANGUE MATTIK;7 RVRB-Q-GRAVBURG	1986.23	8/23/1979	10/27/1979	245	37E	29	330 FNL 1650 FSL
30025260860000	FAE II Operating LLC	GULF EDDIE CORRIGAN 1	3750	GAS	[37240] LANGUE MATTIK;7 RVRB-Q-GRAVBURG	2028.32	9/29/1978	10/27/1978	245	37E	30	330 FEL 990 FSL
30025260600000	YURONKA JOHN	HARRISON 1	3680	PLUGOIL	PLUGGED	2052.06	8/21/1978	10/26/1978	245	37E	29	660 FNL 1980 FSL
30025112890000	LEGACY RESERVES OPERATING, LP	COOPER JAL UNIT #232	3130	OIL	[33820] JALMATITAN-YATES-7 RVRB (OIL)	2061.32	9/11/1949	10/12/1949	245	37E	30	1917 FNL 1980 FSL
02512870000	GULF OIL CORPORATION	CD WOOLWORTH 3	3300	PLUGGAS	PLUGGED	2078.15	5/9/1949	6/12/1949	245	37E	30	1980 FNL 1980 FSL
025128620000	FAE II Operating LLC	C D WOOLWORTH #8	3800	OIL	[33820] JALMATITAN-YATES-7 RVRB (OIL)	2097.83	7/14/1995	7/14/1995	245	37E	30	1980 FNL 1930 FSL
025112830000	APACHE CORPORATION	WMH HARRISON DWN COM #1	3699	PLUGGAS	PLUGGED	2126.34	6/23/1937	8/27/1937	245	37E	29	660 FNL 1980 FSL
025287310000	FAE II Operating LLC	C D WOOLWORTH #6	3750	OIL	[33820] JALMATITAN-YATES-7 RVRB (OIL) ; [37240] LANGUE MATTIK;7 RVRB-Q-GRAVBURG	2203.23	5/31/1984	10/10/1984	245	37E	30	1980 FEL 660 FSL
025258710000	FAE II Operating LLC	JACK B 30 2	3715	OIL	[37240] LANGUE MATTIK;7 RVRB-Q-GRAVBURG ; [79240] JALMATITAN-YATES-7 RVRB (GAS)	2240.33	3/8/1978	7/1/1978	245	37E	30	1725 FEL 330 FSL
025262390000	ATLANTIC RICHFIELD COMPANY THE	HARRISON 2	3682	PLUGOIL	PLUGGED	2258.09	2/17/1979	4/26/1979	245	37E	29	330 FNL 990 FSL
025112860000	GULF OIL CORPORATION	WOOLWORTH 2	3657	PLUGGAS	PLUGGED	2624.15	1/1/1940	4/10/1940	245	37E	30	330 FEL 330 FSL

Exhibit B13

C D WOOLWORTH #12

UWI/API	OPERATOR	WELL LABEL	ID	WELL TYPE	CURRENT ZONE	Distance from C D WOOLWORTH #12 (feet)	SPUD DATE	COMP DATE	TOWNSHIP	RANGE	SECTION	FOOTAGE
NIU 245-37E 30I1	FAE II Operating LLC	C D WOOLWORTH #12		LOC-INJ	New Injection Location	0	TBD	TBD	245	37E	30	1461 FSL 1210 FEL
30025112850000	GULF OIL CORPORATION	WOOLWORTH 1	3803	PLUGGAS	PLUGGED	730.65	3/27/1937	5/23/1937	245	37E	30	660 FEL 1980 FSL
30025287980000	FAE II Operating LLC	C D WOOLWORTH #7	3750	OIL	[33820] JALMATI-TAN-VATES-7 RVRs (OIL); [37240] LANGUE MATTX;7 RVRs-Q-GRAYBURG	940.29	7/31/1984	10/1/1984	245	37E	30	1980 FEL 1980 FSL
30025260860000	FAE II Operating LLC	GULF EDDIE CORRIGAN 1	3750	GAS	[37240] LANGUE MATTX;7 RVRs-Q-GRAYBURG	983.78	9/29/1978	10/27/1978	245	37E	30	330 FEL 990 FSL
30025287310000	FAE II Operating LLC	C D WOOLWORTH #6	3750	OIL	[33820] JALMATI-TAN-VATES-7 RVRs (OIL); [37240] LANGUE MATTX;7 RVRs-Q-GRAYBURG	1135.47	5/31/1984	10/10/1984	245	37E	30	1980 FEL 660 FSL
30025261000000	FAE II Operating LLC	GULF EDDIE CORRIGAN 2	3734	GAS	[37240] LANGUE MATTX;7 RVRs-Q-GRAYBURG	1198.81	10/8/1978	10/29/1978	245	37E	30	330 FEL 2310 FSL
NIU 245-37E 30HH	FAE II Operating LLC	JACK B 30 8		LOC-INJ	New Injection Location	1294.98	TBD	TBD	245	37E	30	2523 FWL 1340 FEL
30025112860000	GULF OIL CORPORATION	WOOLWORTH 2	3657	PLUGGAS	PLUGGED	1429.14	1/1/1940	4/10/1940	245	37E	30	330 FEL 330 FSL
30025338810000	FAE II Operating LLC	C D WOOLWORTH #10	3750	OIL	[33820] JALMATI-TAN-VATES-7 RVRs (OIL); [37240] LANGUE MATTX;7 RVRs-Q-GRAYBURG	1443.48	3/29/1997	5/29/1997	245	37E	30	2630 FEL 1400 FSL
30025264370000	FAE II Operating LLC	KIMMY #3	3670	OIL	[37240] LANGUE MATTX;7 RVRs-Q-GRAYBURG	1526.88	8/23/1979	10/27/1979	245	37E	29	330 FWL 1650 FSL
30025112830000	APACHE CORPORATION	WM H HARRISON DWIN COM #1	3699	PLUGGAS	PLUGGED	1774.03	TBD	TBD	245	37E	30	2320 FWL 248 FEL
30025263800000	FAE II Operating LLC	KIMMY #4	3653	OIL	[37240] LANGUE MATTX;7 RVRs-Q-GRAYBURG	1916.62	6/23/1937	8/27/1937	245	37E	29	660 FWL 1980 FSL
025228620000	FAE II Operating LLC	C D WOOLWORTH #8	3800	OIL	[33820] JALMATI-TAN-VATES-7 RVRs (OIL)	1936.56	1/24/1980	2/12/1980	245	37E	29	660 FWL 880 FSL
025112870000	GULF OIL CORPORATION	CD WOOLWORTH 3	3300	PLUGGAS	PLUGGED	2107.35	4/24/1995	7/14/1995	245	37E	30	1980 FWL 1930 FSL
025112840000	FAE II Operating LLC	JACK B-30 1	3715	OIL	[33820] JALMATI-TAN-VATES-7 RVRs (OIL); [37240] LANGUE MATTX;7 RVRs-Q-GRAYBURG; [79240] JALMATI-TAN-VATES-7 RVRs (GAS)	2118.96	5/9/1949	6/12/1949	245	37E	30	1980 FWL 1980 FSL
025228630000	OXY USA INC	C D WOOLWORTH #9	3800	PLUGOIL	PLUGGED	2215.4	4/30/1995	6/21/1995	245	37E	30	990 FEL 1650 FSL
025248370000	LEGA CV RESERVES OPERATING, LP	LANGUE JAL UNIT #002	3850	PLUGOIL	PLUGGED	2518.07	9/7/1974	10/5/1974	245	37E	31	660 FEL 990 FSL
I 245-37E 29KK	FAE II Operating LLC	KIMMY 6		LOC-INJ	New Injection Location	2536.29	TBD	TBD	245	37E	29	1085 FSL 1299 FSL
025113040000	LEGA CV RESERVES OPERATING, LP	LANGUE JAL UNIT #001	3548	PLUGOIL	PLUGGED	2584.17	7/19/1957	9/11/1957	245	37E	31	1977 FEL 990 FSL
025286000000	YIRONKA JOHN	HARRISON 1	3880	PLUGOIL	PLUGGED	2606.67	8/21/1978	10/26/1978	245	37E	29	660 FWL 1980 FSL
025112940000	Petroleum Exploration Company Ltd., Limi	MARTIN A #002	3545	GAS	[79240] JALMATI-TAN-VATES-7 RVRs (GAS)	2607.82	8/11/1939	10/16/1939	245	37E	31	330 FEL 990 FSL

Exhibit B14

C D WOOLWORTH #13

UWI/API	OPERATOR	WELL LABEL	TD	WELL TYPE	CURRENT ZONE	Distance from C D WOOLWORTH #13 (feet)	SPUD DATE	COMP DATE	TOWNSHIP	RANGE	SECTION	FOOTAGE
NIU 245-37E-30KK	FAE II Operating LLC	C D WOOLWORTH #13		LOC-INJ	New Injection Location	0	TBD	TBD	245	37E	30	1323 FSL 1212 FWL
30025338820000	OXY USA INC	C D WOOLWORTH #11	3760	PLUGOIL	[33820] JALMAT-TAN-YATES-7 RVRB (OIL) ; [37240] LANGUE MATTX-7 RVRB-Q-GRAYBURG	145.84	4/14/1997	5/22/1997	245	37E	30	1330 FWL 1385 FSL
30025257900000	FAE II Operating LLC	C D WOOLWORTH #5	3750	OIL	[37240] LANGUE MATTX-7 RVRB-Q-GRAYBURG	880.39	2/27/1978	3/21/1978	245	37E	30	660 FWL 660 FSL
30025254640000	FAE II Operating LLC	C D WOOLWORTH #4	3700	OIL	[33820] JALMAT-TAN-YATES-7 RVRB (OIL) ; [37240] LANGUE MATTX-7 RVRB-Q-GRAYBURG	913.24	3/22/1977	5/14/1977	245	37E	30	760 FWL 2080 FSL
30025328620000	FAE II Operating LLC	C D WOOLWORTH #8	3800	OIL	[33820] JALMAT-TAN-YATES-7 RVRB (OIL)	955.94	4/24/1995	7/14/1995	245	37E	30	1980 FWL 1930 FSL
30025328630000	OXY USA INC	C D WOOLWORTH #9	3800	PLUGOIL	PLUGGED	975.79	4/30/1995	6/21/1995	245	37E	30	1980 FWL 660 FSL
30025112870000	GULF OIL CORPORATION	CD WOOLWORTH 3	3300	PLUGGAS	PLUGGED	989.63	5/9/1949	6/12/1949	245	37E	30	1980 FWL 1980 FSL
NIU 245-37E-30NN	FAE II Operating LLC	C D WOOLWORTH #14		LOC-INJ	New Injection Location	1213.25	TBD	TBD	245	37E	30	109 FSL 1299 FWL
30025338810000	FAE II Operating LLC	C D WOOLWORTH #10	3750	OIL	[33820] JALMAT-TAN-YATES-7 RVRB (OIL) ; [37240] LANGUE MATTX-7 RVRB-Q-GRAYBURG	1348.09	3/29/1997	5/29/1997	245	37E	30	2630 FEL 1400 FSL
30025096560000	FAE II Operating LLC	VAN ZANDT 1	3650	OIL	[37240] LANGUE MATTX-7 RVRB-Q-GRAYBURG	2024.93	11/6/1948	2/1/1949	245	36E	25	660 FEL 1980 FSL
30025388830000	FAE II Operating LLC	MARTIN B 4	3835	TA	[37240] LANGUE MATTX-7 RVRB-Q-GRAYBURG ; [79240] JALMAT-TAN-YATES-7 RVRB (GAS)	2054.91	9/2/2008	10/18/2008	245	37E	31	660 FWL 660 FSL
30025379590000	FAE II Operating LLC	MARTIN B 3	3550	GAS	[76480] EUMONT-YATES-7 RVRB-QUEEN (GAS) ; [79240] JALMAT-TAN-YATES-7 RVRB (GAS)	2078.82	1/3/2007	2/15/2007	245	37E	31	1917 FWL 660 FSL
30025112880000	LEGACY RESERVES OPERATING, LP	COOPER JAL UNIT #39	3180	INJECT	[33820] JALMAT-TAN-YATES-7 RVRB (OIL)	2081.85	4/13/1949	7/16/1949	245	37E	30	660 FWL 1980 FSL
30025287310000	FAE II Operating LLC	C D WOOLWORTH #6	3750	OIL	[33820] JALMAT-TAN-YATES-7 RVRB (OIL) ; [37240] LANGUE MATTX-7 RVRB-Q-GRAYBURG	2098.61	5/31/1984	10/10/1984	245	37E	30	1980 FEL 660 FSL
30025287980000	FAE II Operating LLC	C D WOOLWORTH #7	3750	OIL	[33820] JALMAT-TAN-YATES-7 RVRB (OIL) ; [37240] LANGUE MATTX-7 RVRB-Q-GRAYBURG	2103.98	7/31/1984	10/1/1984	245	37E	30	1980 FEL 1980 FSL
30025112890000	LEGACY RESERVES OPERATING, LP	COOPER JAL UNIT #32	3130	OIL	[33820] JALMAT-TAN-YATES-7 RVRB (OIL)	2105.45	9/11/1949	10/12/1949	245	37E	30	1917 FWL 1980 FSL

Exhibit B15

C D WOOLWORTH #14

UWI/API	OPERATOR	WELL LABEL	TD	WELL TYPE	CURRENT ZONE	Distance from C D WOOLWORTH #14 (feet)	SPUD DATE	COMP DATE	TOWNSHIP	RANGE	SECTION	FOOTAGE
1/2 Mile Radius												
NIU_245-37E_30NN	FAE II Operating LLC	C D WOOLWORTH #14		LOC-INTJ	New Injection Location	0	TBD	TBD	245	37E	30	109 FSL 1249 FWL
30025257900000	FAE II Operating LLC	C D WOOLWORTH #5	3750	OIL	[33820] JALMAT:TAN-YATES-7 RVRs (OIL); [37240] LANGUE MATTX:7 RVRs-Q-GRAYBURG	843.23	2/27/1978	3/21/1978	245	37E	30	660 FWL 660 FSL
30025328630000	OXY USA INC	C D WOOLWORTH #9	3800	PLUGOIL	PLUGGED	888.12	4/30/1995	6/21/1995	245	37E	30	1980 FWL 660 FSL
30025388830000	FAE II Operating LLC	MARTIN B 4	3835	TA	[37240] LANGUE MATTX:7 RVRs-Q-GRAYBURG; [79240] JALMAT:TAN-YATES-7 RVRs (GAS)	981.93	9/2/2008	10/18/2008	245	37E	31	660 FWL 660 FNL
30025379590000	FAE II Operating LLC	MARTIN B 3	3550	GAS	[76480] EUMONT-YATES-7 RVRs-QUEEN (GAS); [79240] JALMAT:TAN-YATES-7 RVRs (GAS)	984.02	1/3/2007	2/15/2007	245	37E	31	1917 FWL 660 FNL
30025338820000	OXY USA INC	C D WOOLWORTH #11	3760	PLUGOIL	PLUGGED	1089.16	4/14/1997	5/22/1997	245	37E	30	1330 FWL 1185 FSL
NIU_245-37E_30KK	FAE II Operating LLC	C D WOOLWORTH #13		LOC-INTJ	New Injection Location	1213.25	TBD	TBD	245	37E	30	1323 FSL 1212 FWL
30025112950000	FAE II Operating LLC	MARTIN B 1	3187	GAS	[79240] JALMAT:TAN-YATES-7 RVRs (GAS)	1787.98	8/18/1947	10/10/1947	245	37E	31	1650 FWL 1650 FNL
30025338810000	FAE II Operating LLC	C D WOOLWORTH #10	3750	OIL	[33820] JALMAT:TAN-YATES-7 RVRs (OIL); [37240] LANGUE MATTX:7 RVRs-Q-GRAYBURG	1845.91	3/29/1997	5/29/1997	245	37E	30	2630 FEL 1400 F
3025328620000	FAE II Operating LLC	C D WOOLWORTH #8	3800	OIL	[33820] JALMAT:TAN-YATES-7 RVRs (OIL)	1956.95	4/24/1995	7/14/1995	245	37E	30	1980 FWL 1930 F
3025112870000	GULF OIL CORPORATION	CD WOOLWORTH 3	3300	PLUGGAS	PLUGGED	2004.68	5/9/1949	6/12/1949	245	37E	30	1980 FWL 1980 F
3025287310000	FAE II Operating LLC	C D WOOLWORTH #6	3750	OIL	[33820] JALMAT:TAN-YATES-7 RVRs (OIL); [37240] LANGUE MATTX:7 RVRs-Q-GRAYBURG	2035.99	5/31/1984	10/10/1984	245	37E	30	1980 FEL 660 F
3025254640000	FAE II Operating LLC	C D WOOLWORTH #4	3700	OIL	[33820] JALMAT:TAN-YATES-7 RVRs (OIL); [37240] LANGUE MATTX:7 RVRs-Q-GRAYBURG	2052.4	3/22/1977	5/14/1977	245	37E	30	760 FWL 2080 F
3025097090000	FAE II Operating LLC	MCKINNEY #001	3500	SWD	[96131] SWD;SEVEN RIVERS-QUEEN [96132] SWD;SEVEN RIVERS-QUEEN	2088.06	11/6/1948	3/31/1949	245	36E	36	660 FEL 660 FN
3025298650000	LEGACY RESERVES OPERATING, LP	LANGUE JAL UNIT #013	3600	PLUGINTJ	PLUGGED	2191.85	9/25/1971	4/10/1972	245	37E	31	1980 FWL 1980 F
3025113040000	LEGACY RESERVES OPERATING, LP	LANGUE JAL UNIT #001	3548	PLUGINTJ	PLUGGED	2244.32	7/19/1957	9/11/1957	245	37E	31	1977 FEL 990 FN
3025112860000	BXP Operating, LLC	LANGUE JAL UNIT #14	3517	OIL	[37240] LANGUE MATTX:7 RVRs-Q-GRAYBURG	2587.84	6/10/1949	7/25/1949	245	37E	31	330 FWL 2310 F

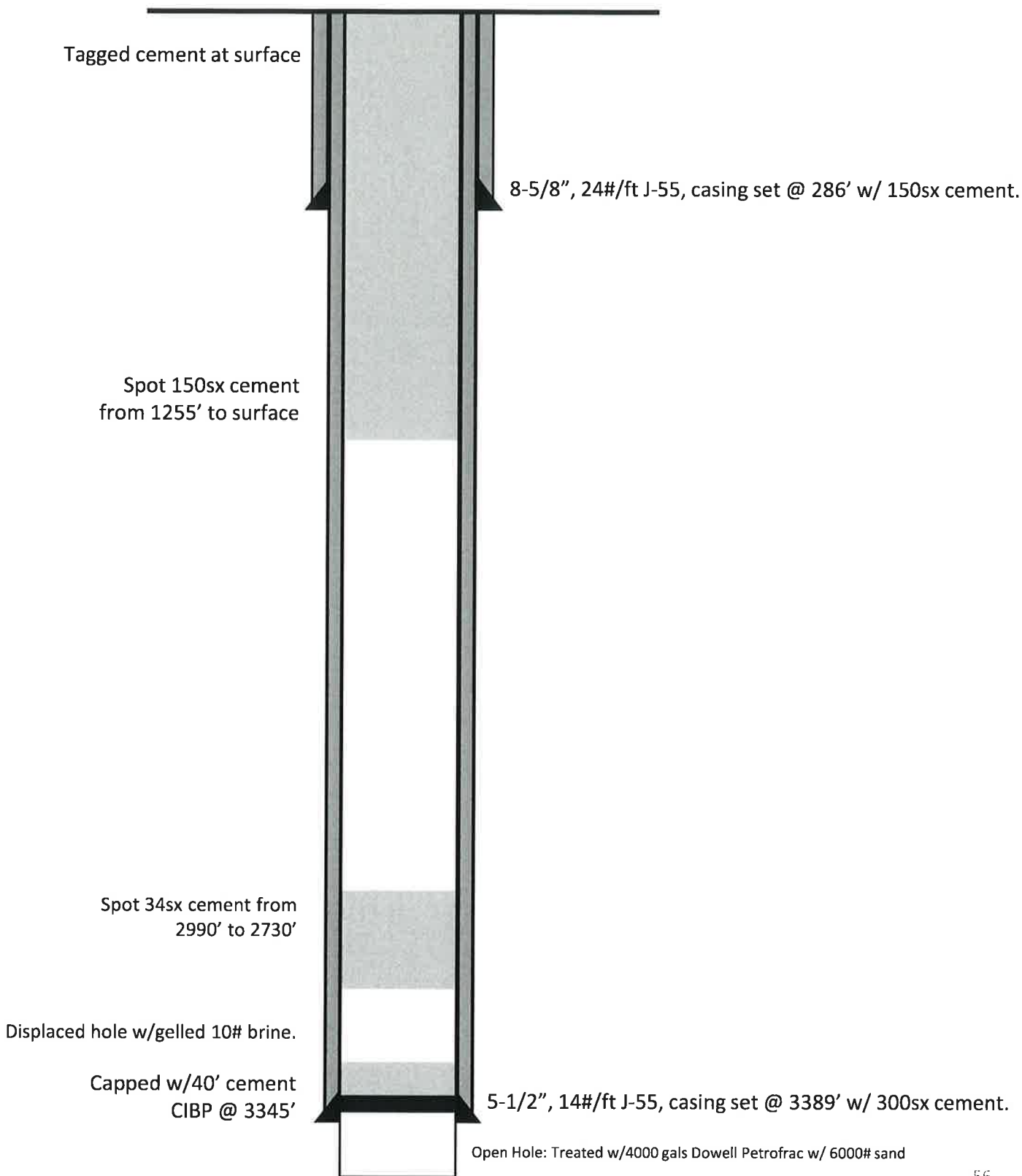
Part VI. Continued

Plugged Wellbore Diagrams

COOPER JAL UNIT #144

VI. Exhibit C1

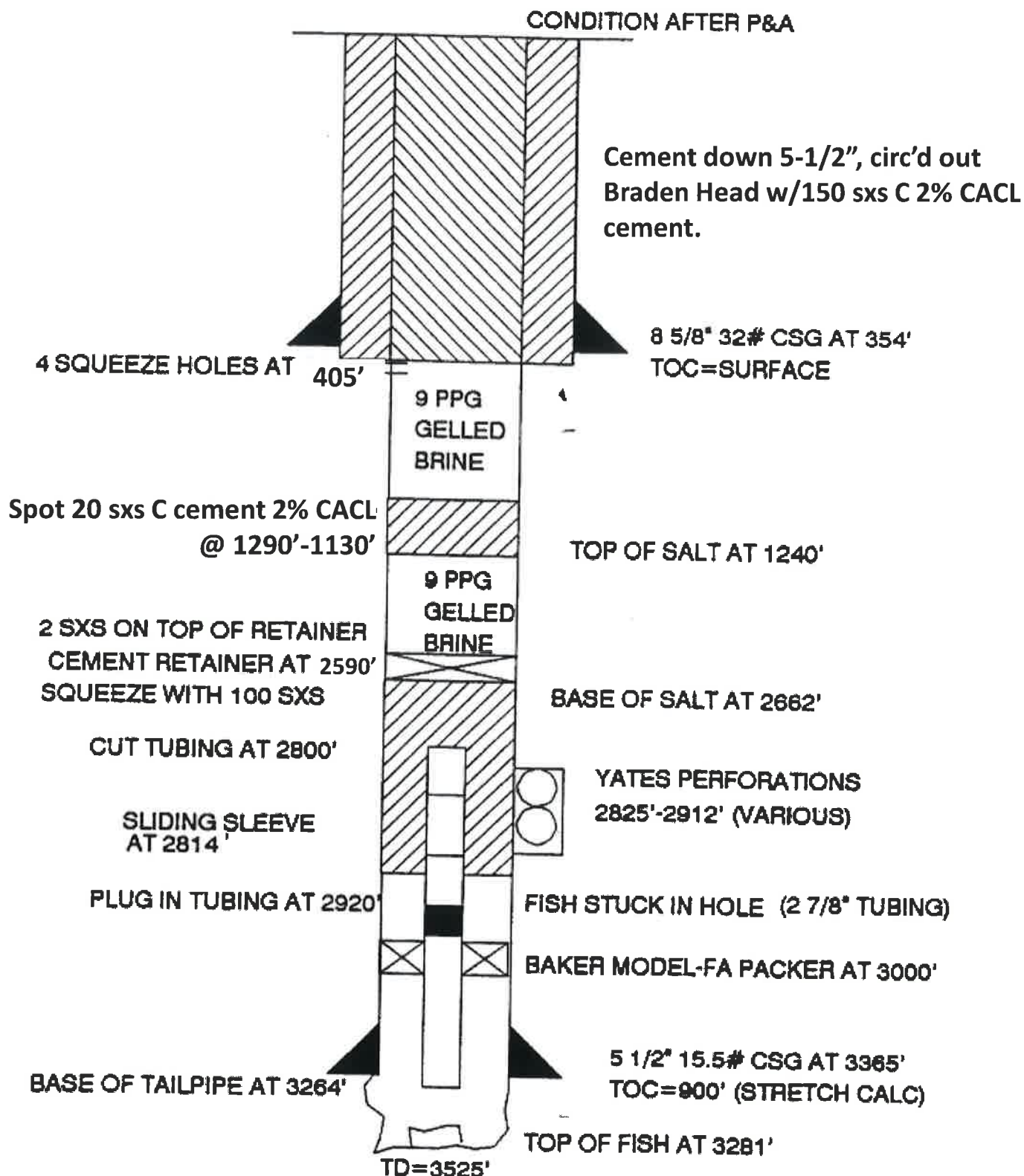
API# 30-025-09663
990 FEL 2310 FNL,
Sec 25, T24S, R37E Lea Co., NM



LANGLIE A STATE #2Y

VI. Exhibit C2

API# 30-025-09714
735 FEL 1980 FNL,
Sec 36, T24S, R36E Lea Co., NM



COOPER JAL UNIT #129

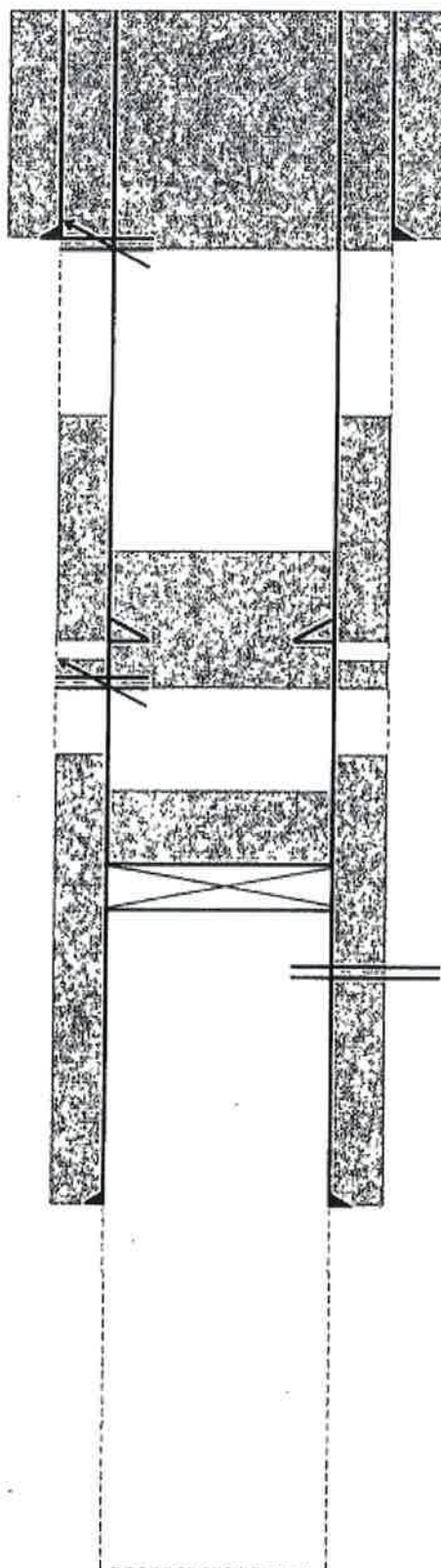
API# 30-025-11152
 1583 FWL 1653 FNL,
 Sec 19, T24S, R37E Lea Co., NM

VI. Exhibit C3

perf sqz holes @ 400'
 sqz 155 sx cmt, circulated to surface

perf sqz holes @ 1300'
 sqz 50 sx cmt
 TOC tagged inside 5 1/2" @ 1670'

CIBP @ 2975' w/ 30 sx cmt



Surface Casing

Hole Size (in):	Unknown
Casing Size (in):	8 5/8
Casing Weight (ppf):	Unknown
Setting Depth (ft):	330
Amount Cement (sx):	175
Top of Cement (ft):	Unknown
TOC Method:	-----

DV Tool

Depth (ft):	Unknown
Amount Cement (sx):	100
Top of Cement (ft):	Unknown
TOC Method:	-----

Perforations

Top (ft):	3018
Bottom (ft):	3215

Production Casing

Hole Size (in):	Unknown
Casing Size (in):	5 1/2
Casing Weight (ppf):	Unknown
Setting Depth (ft):	3386
Amount Cement (sx):	200
Top of Cement (ft):	Unknown
TOC Method:	-----

Open Hole

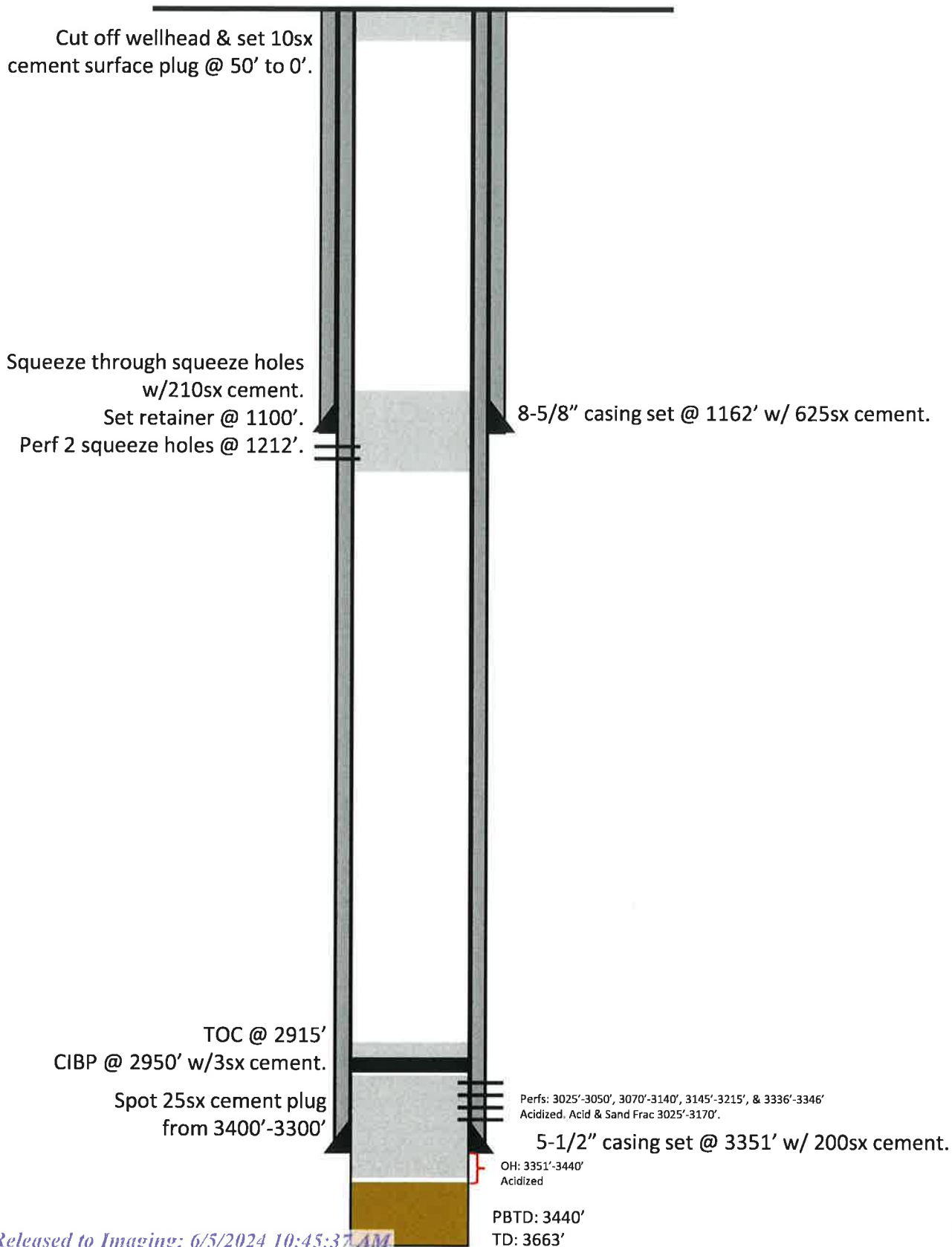
Hole Size (in):	Unknown
Top (ft):	3386
Bottom (ft):	3670

Total Depth (ft) 3670

THOMAS #1

VI. Exhibit C5

API# 30-025-11163
1980 FEL 660 FSL,
Sec 19, T24S, R37E Lea Co., NM



THOMAS #2

VI. Exhibit C6

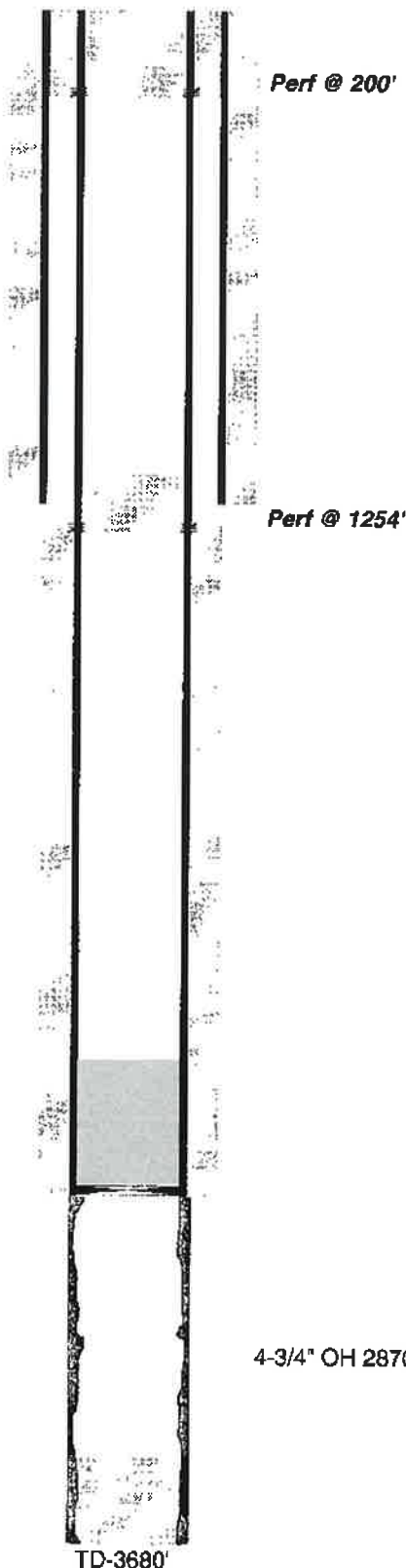
API# 30-025-11164
2210 FEL 2310 FNL,
Sec 19, T24S, R37E Lea Co., NM

API No. 30-025-11164

65sx Class C Cement circulated
from 200' to Surface.

TOC tagged @ 1079'.
25sx Class C Cement @ 1310'.

TOC @ 2580'
CIBP @ 2820' w/ 25sx



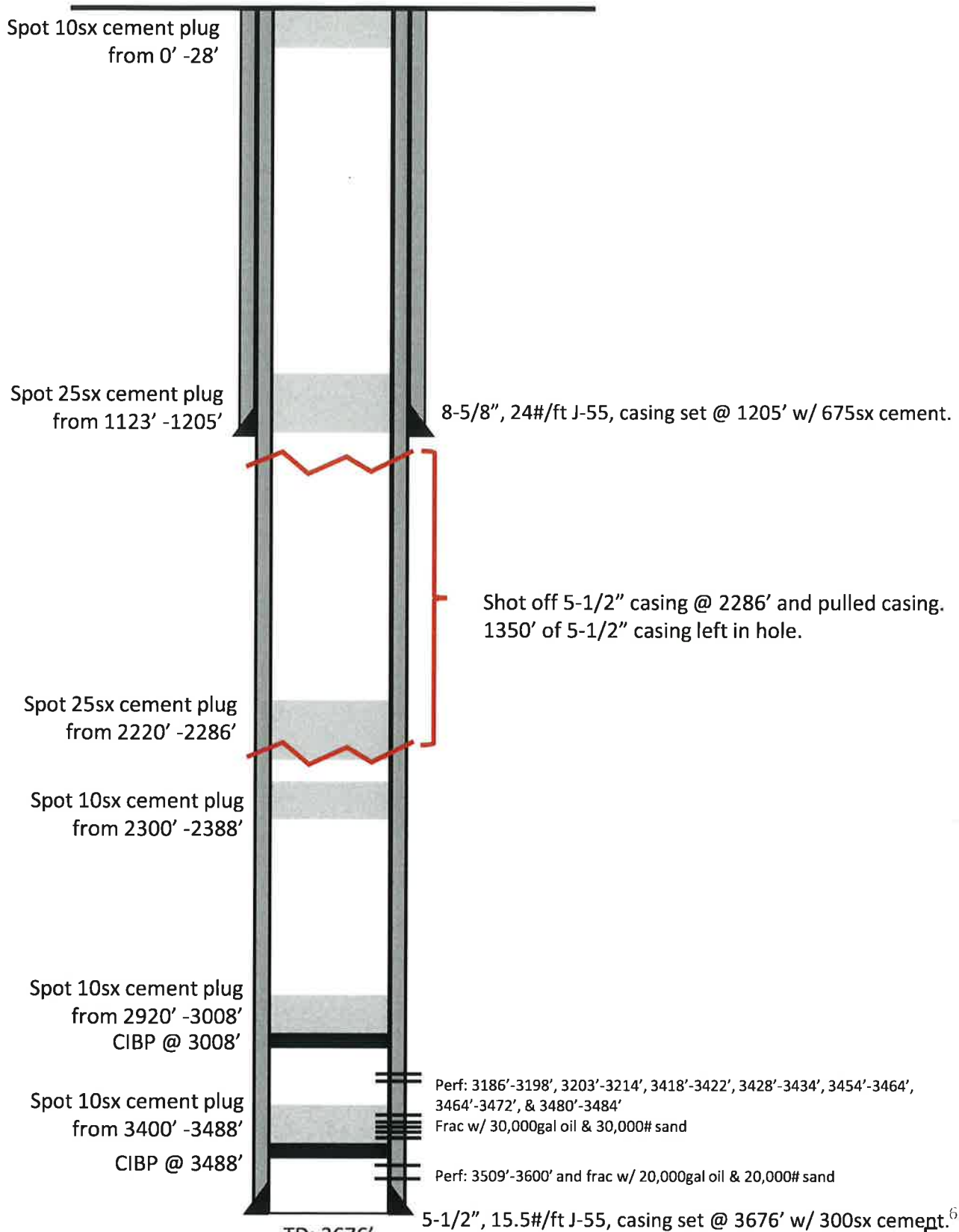
11" hole @ 1204'
8-5/8" csg @ 1204"
w/625sx-TOC-Surf-Circ

7-7/8" hole @ 2870'
5-1/2" csg @ 2870'
w/250sx-TOC-1282'-Calc

J J THOMAS #1

VI. Exhibit C7

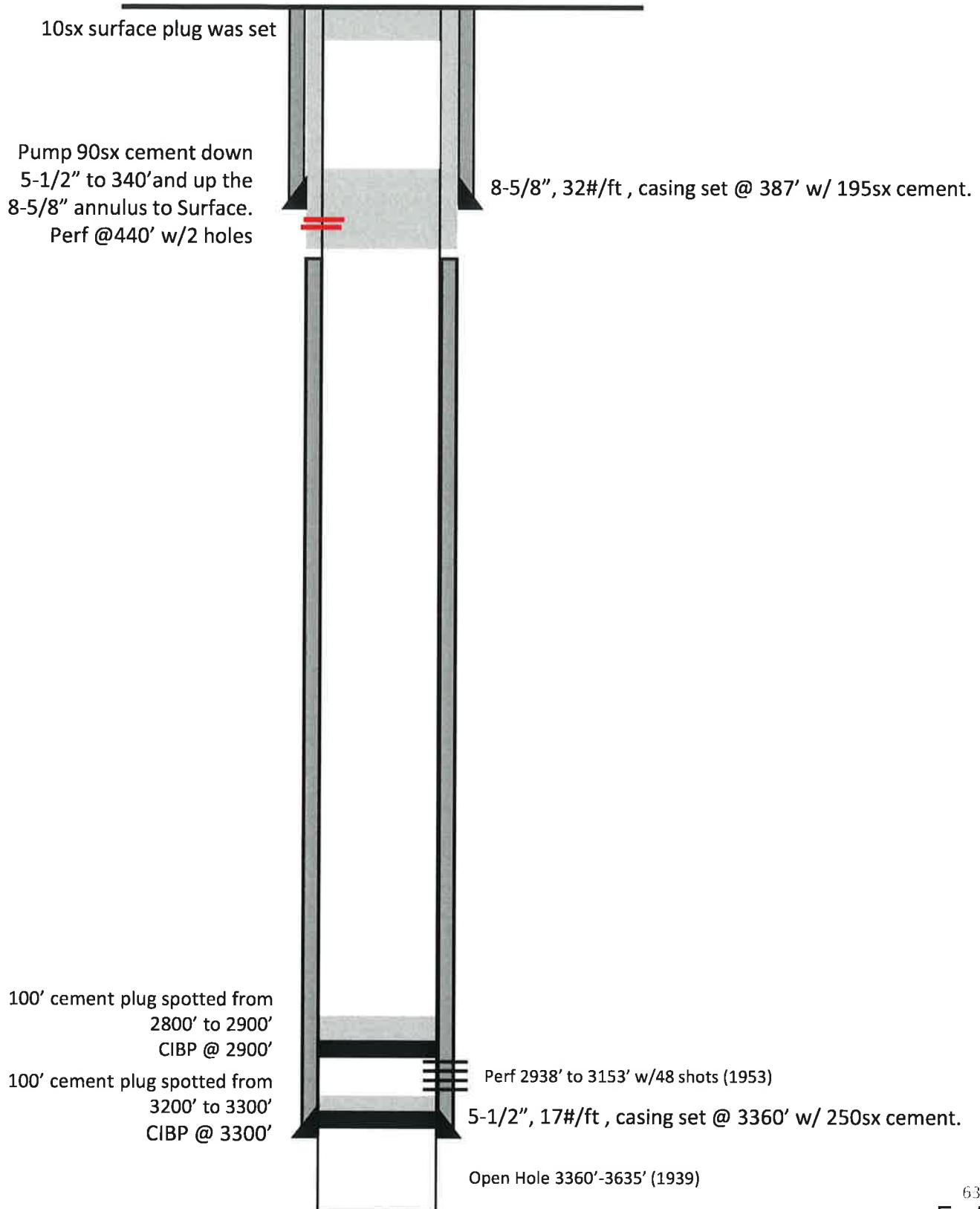
API# 30-025-11165
2173 FEL 660 FNL,
Sec 19, T24S, R37E Lea Co., NM



CALLEY A #1

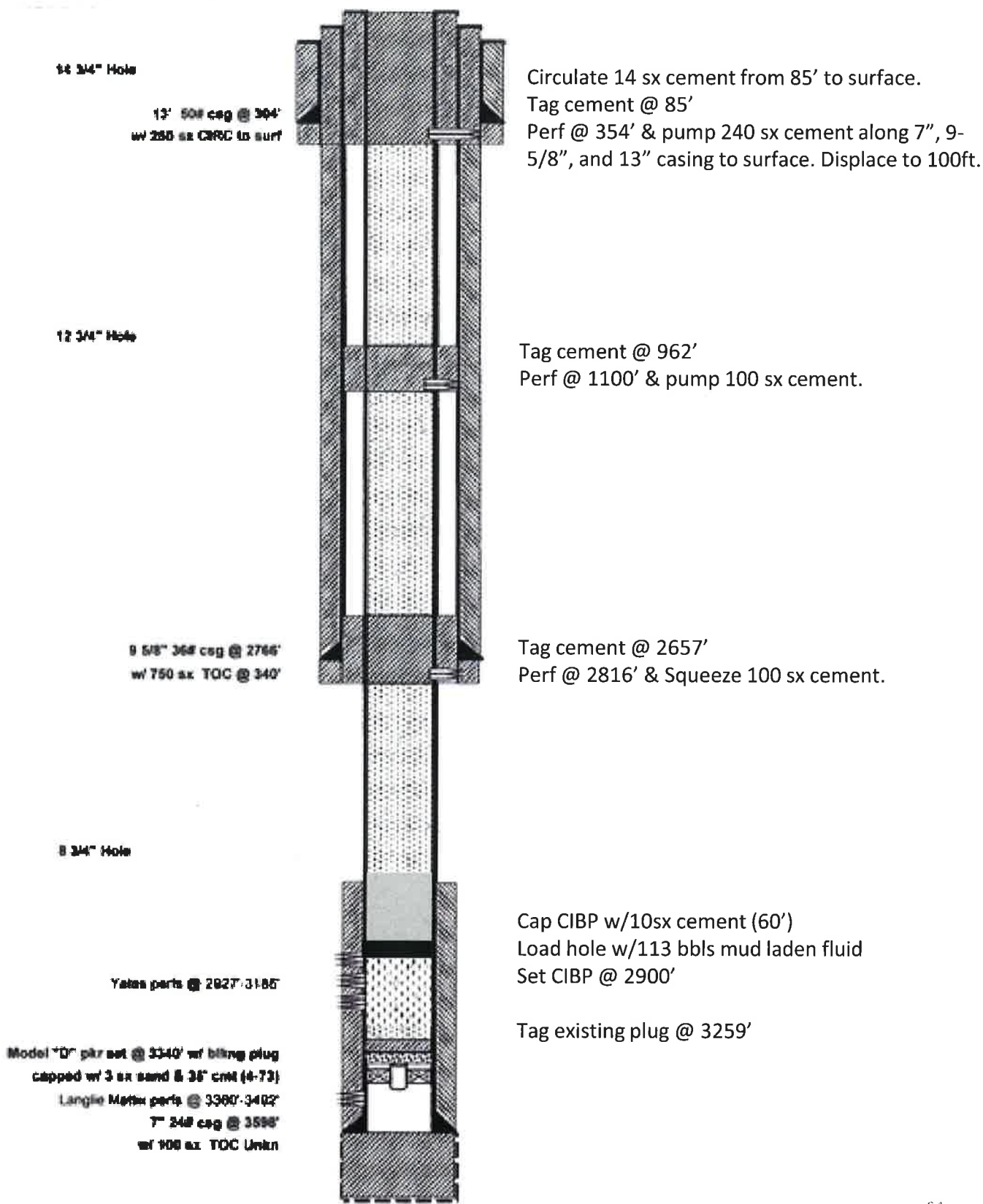
VI. Exhibit C8

API# 30-025-11175
2310 FWL 660 FSL,
Sec 20, T24S, R37E Lea Co., NM



WM H HARRISON D WN COM #1 VI. Exhibit C9

API# 30-025-11283
660 FWL 1980 FSL,
Sec 29, T24S, R37E Lea Co., NM



Circulate 14 sx cement from 85' to surface.
Tag cement @ 85'
Perf @ 354' & pump 240 sx cement along 7", 9-5/8", and 13" casing to surface. Displace to 100ft.

Tag cement @ 962'
Perf @ 1100' & pump 100 sx cement.

Tag cement @ 2657'
Perf @ 2816' & Squeeze 100 sx cement.

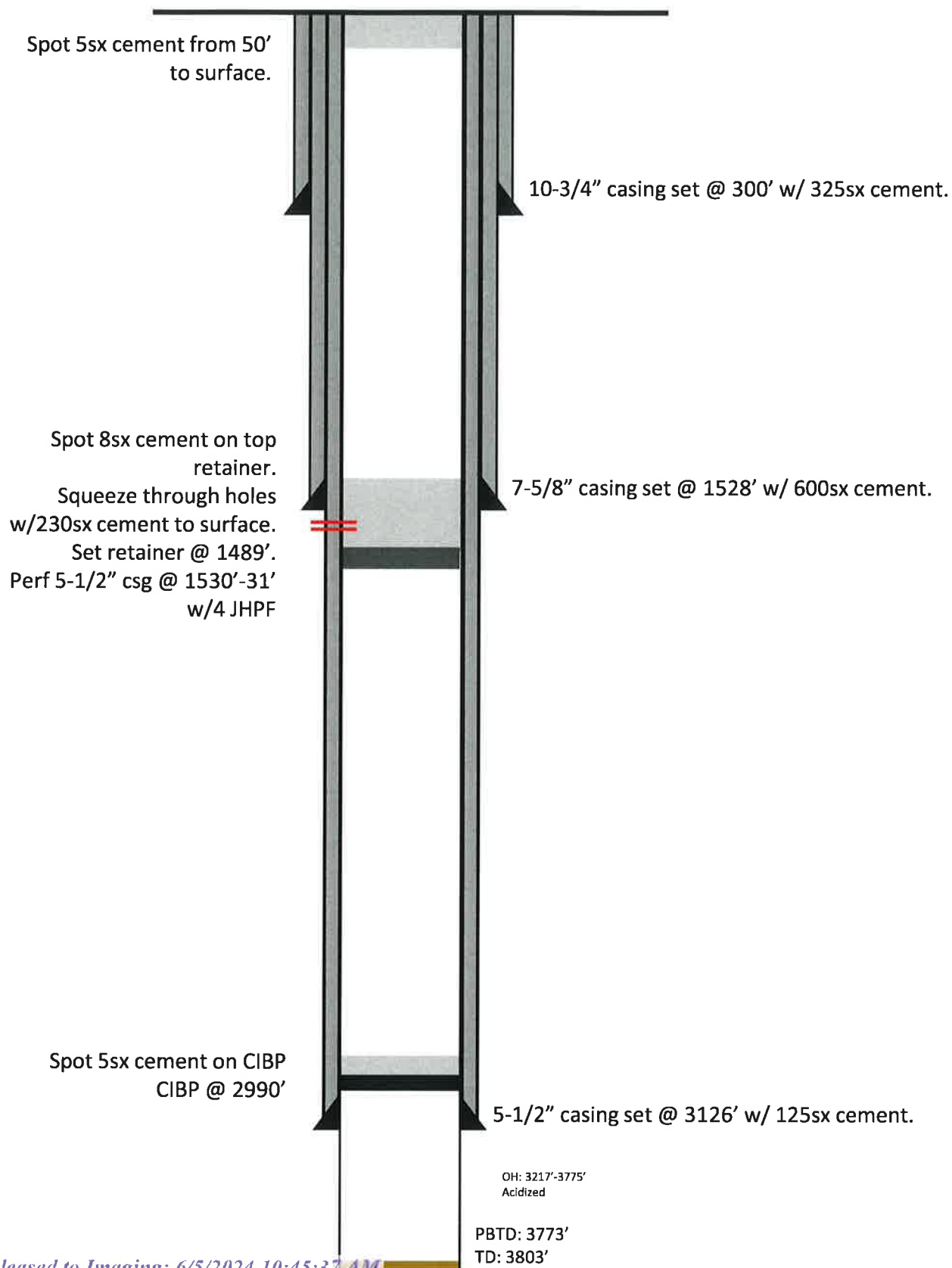
Cap CIBP w/10sx cement (60')
Load hole w/113 bbls mud laden fluid
Set CIBP @ 2900'

Tag existing plug @ 3259'

WOOLWORTH #1

VI. Exhibit C10

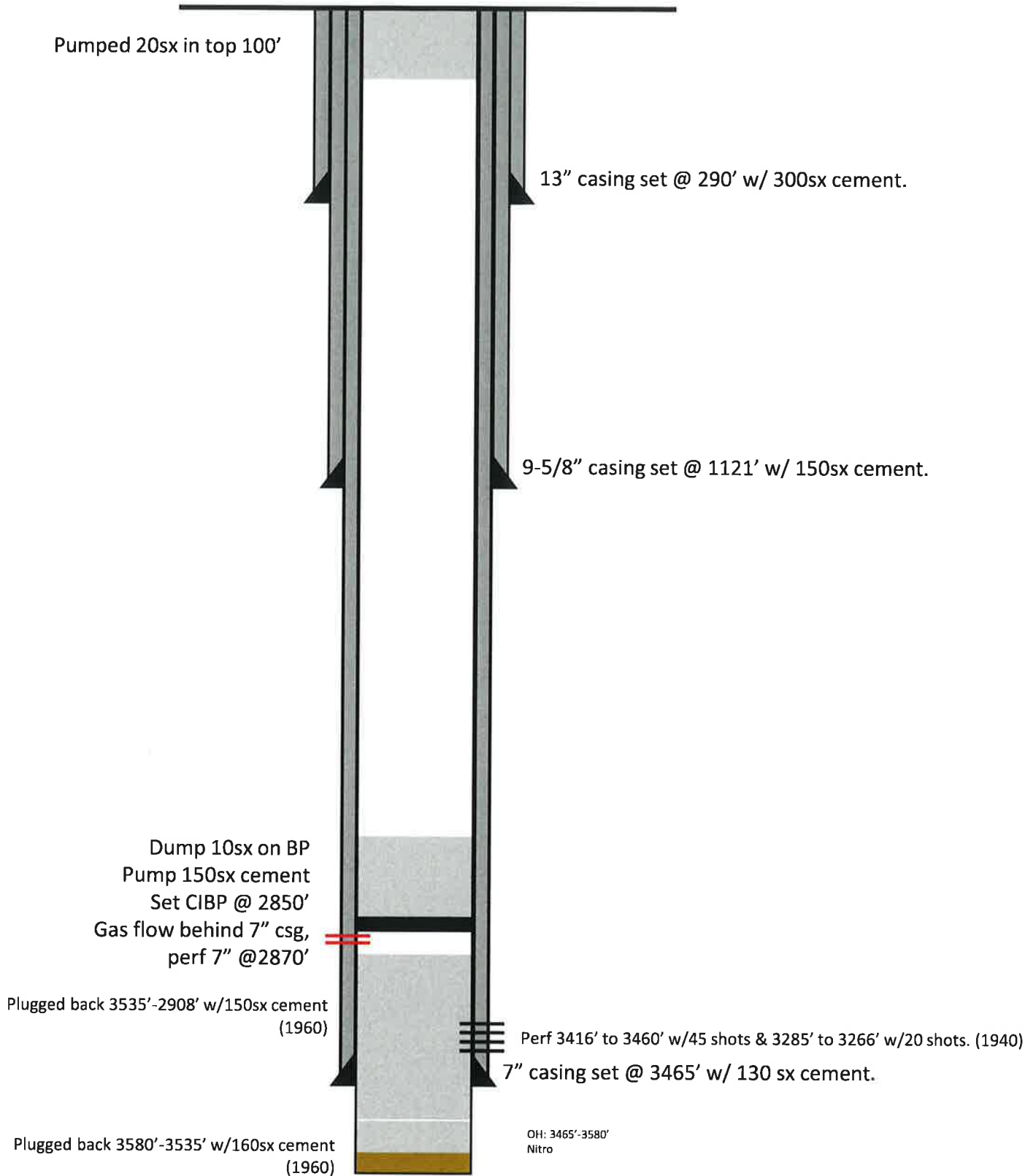
API# 30-025-11285
660 FEL 1980 FSL,
Sec 30, T24S, R37E Lea Co., NM



WOOLWORTH #2

VI. Exhibit C11

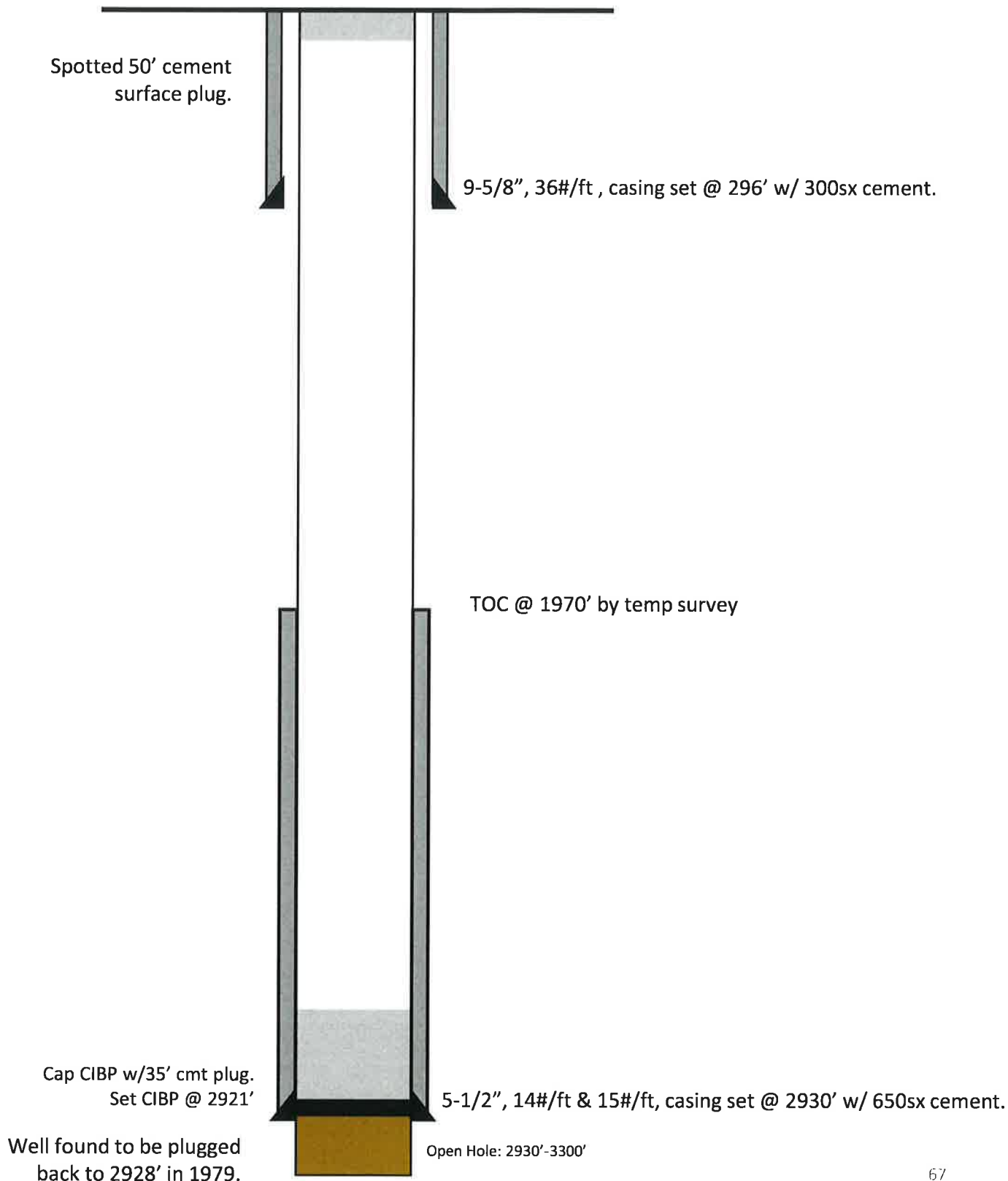
API# 30-025-11286
330 FEL 330 FSL,
Sec 30, T24S, R37E Lea Co., NM



CD WOOLWORTH #3

VI. Exhibit C12

API# 30-025-11287
1980 FWL 1980 FSL,
Sec 30, T24S, R37E Lea Co., NM



LANGLIE JAL UNIT #012

VI. Exhibit C13

API# 30-025-11303
 1977 FEL 2310 FNL,
 Sec 31, T24S, R37E Lea Co., NM

Pin#: **Langlie Mattix (7-Rivers & Queen)**

Langlie Jal Unit #12

Location	
Footage	1977 FEL & 2310 FNL
Section	31 T - 24S R - 37E
Block	
Survey	
County	Lea
Lot	
Legal	
Elevations:	
GL	3236
DF	3250
KB	3250
KB Calc	
OK w/og?	

Date	History
01-Jun-57	OTD - 3545', Treated w/ 100 gals Controlflow prior to frac. Hydra frac O.H. from 3475' to 3545' w/ 20,000 gals refined oil carrying 58,000# sand. Pmp'g 60 bwpd & 18 bwpd.
15-Mar-74	Perfd 7-R and queen from 3395'-3400', 3408'-12', 3416'-15', 3436'-38' & 3,444'-3451'. 1 .SPPF, 25 holes. Acidized with 2,000 gals Pmp'g 30 bwpd & 38 bwpd - TSTM gas.
15-Jul-81	Ran GR-CNL-Cid. Acid Sand frac'd w/ 10,000 gals 15% HCl & 10,000# 20/40 mesh sand. Prior test: 20 bwpd & 30 bwpd. After treatment test: 50 bwpd & 83 bwpd.
08-May-84	Ret w/d cleaned out fr 3488'. Drilled out to 3547'. Ran GR/Cont logs from 3488' to 3483'. Set CIBP @ 3385'. Swabbed test from 3385' to 3281'. No test reported. Drilled out CIBP and push to 3485'.
3-Oct-85	RJ Wireline & set RBP @ 3342'. Perfd 7-R from 3131'-3336'. Frac'd w/ 2000 gals 15% HCl plus 22,148# 18/30 mesh sand. Pumped out to 3450'. Pressured to 1524' psig. Test back side. Drilled out to 3486'. Acidized perfs 3394'-3463' w/ 4000 gals 7-1/2% FeA2x. No test reported.

Tubing Detail (top to bottom)			
Joints	Description	Footage	Depth
115	2-3/8 4.8# J-55 Tubing	3,532	3,532
1	2-7/8" x 7" TAC	4	3,536
1	2-7/8" SM	4	3,540
1	Pail Sub	4	3,544
1	2-3/8" Mud Anchor	32	3,576

Rod Detail (top to bottom)			
Rods	Description	Footage	Depth
1	1-1/4" x 22' polished rod w/ 3/8" pin	18	18
1	1-1/4" x 1-1/2" x 0' polished rod later	0	18
4	0", 8", 6", 4" - 7/8" pony rods	18	36
140	3/4" steel rods	3,500	3,536
1	2" x 1-1/4" x 12'	12	3,548

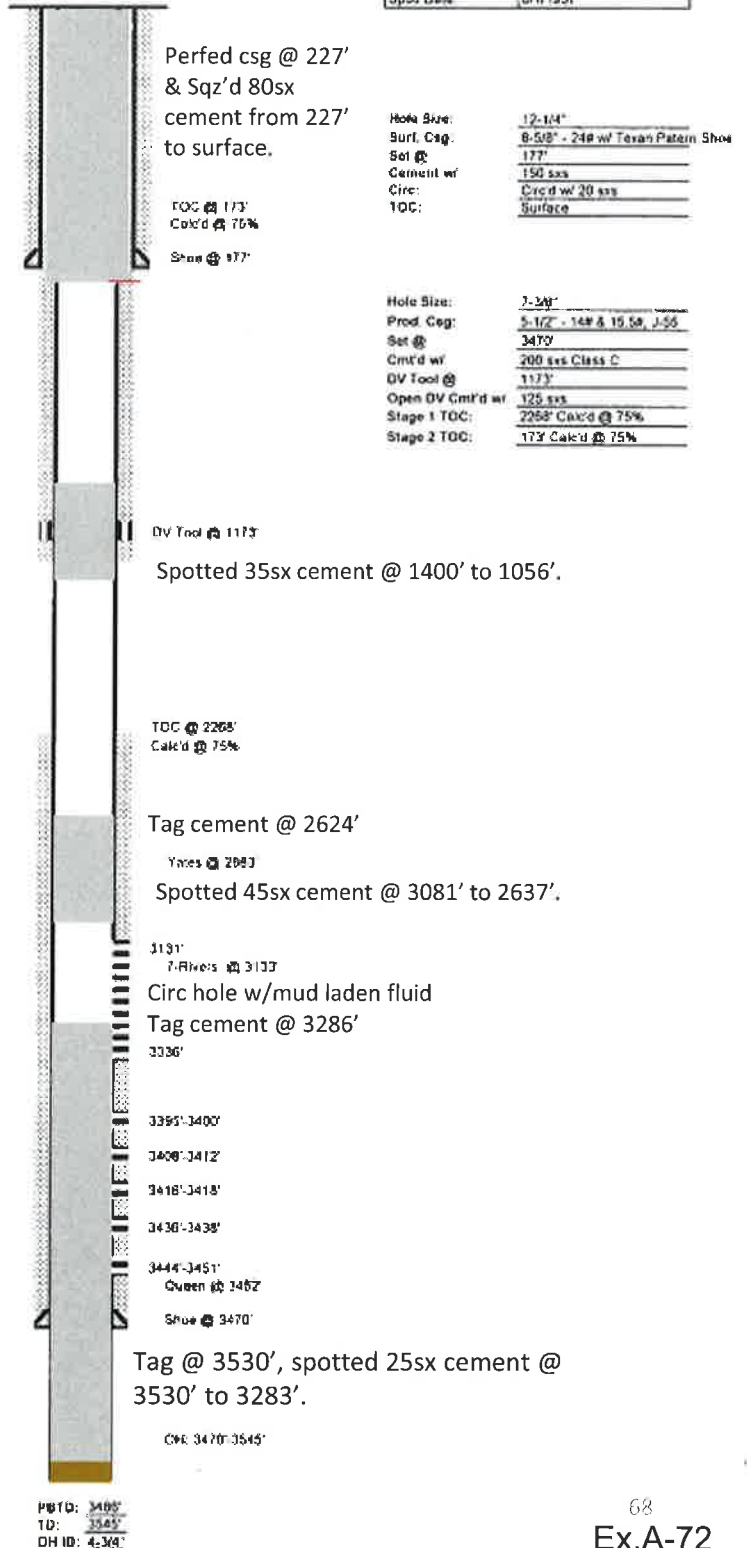
Pumping Unit
 Updated: RG 7/26/2014

Reservoir: Langlie Jal	
Well ID Info:	12
API No:	30-025-11303
Spud Date:	6/17/1957

Hole Size:	12-1/4"
Surf. Csg:	8-5/8" - 24# w/ Texas Pattern Show
Set @:	177'
Cement w/:	150 sxx
Circ:	Circ'd w/ 20 sxx
TOC:	Surface

Hole Size:	7-3/8"
Prod. Csg:	5-1/2" - 14# & 15.5# J-55
Set @:	3470'
Cm'd w/:	200 sxx Class C
DV Tool @:	1173'
Open DV Cm'd w/:	125 sxx
Stage 1 TOC:	2258' Calc'd @ 75%
Stage 2 TOC:	173' Calc'd @ 75%

Wellbore Diagram

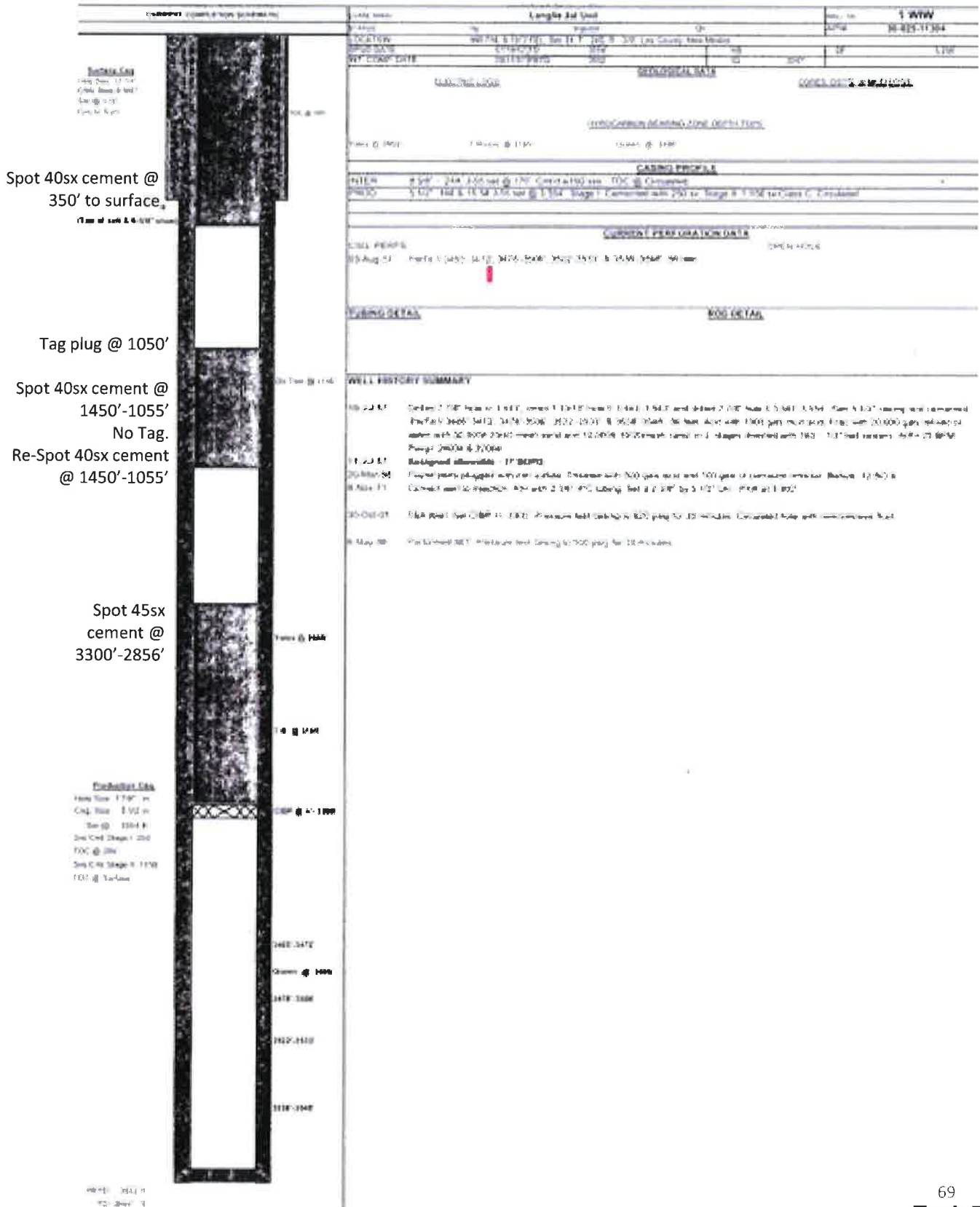


PBTD: 3485'
 TD: 3545'
 OH ID: 4.38"

LANGLIE JAL UNIT #001

VI. Exhibit C14

API# 30-025-11304
 1977 FEL 990 FNL,
 Sec 31, T24S, R37E Lea Co., NM



LANGLIE JAL UNIT #003

VI. Exhibit C15

API# 30-025-11311
 660 FWL 990 FNL,
 Sec 32, T24S, R37E Lea Co., NM

Parent: **Langlie Matrix (7-Rivers & Queen)**

Langlie Jal Unit #3

Location	
Footage	660 FNL & 660 FNA
Section	32 T - 24S R - 37E
Block	
County	
Lease	Lea
Land	
Elevations	
GS	5,252'
DT	5,287'
KT	5,380'
MS Calc	
CK welling?	

Revision	
Well ID Info	J 11311
API No	30-025-11311
Legal Date	01/17/2008

Wellbore Diagram

Perf csg @ 95'
 Sqz'd 40sx cement to surface

Tag plug @ 95'

Perf csg @ 200'
 Sqz'd 80sx cement & displaced to 100'.

3 1/2" @ 647'

Cap @ 497' (43)

8 1/2" @ 250' (43)

5 1/2" @ 180' (43)

TOC @ 725'

Calc'd @ 75%

Tag plug @ 530'
 Spotted 40sx cement plug @ 800'-561'

Yield @ 2850'

Tag plug @ 3000'
 Spotted 40sx cement on top of plug @ 3250'-3011'

Circ hole w/mud laden fluid

3 1/2" @ 1250'

Calc'd @ 1250'

3 1/2" @ 1250'

3 1/2"

3 1/2" @ 1250'

3 1/2" @ 1250'

3 1/2" @ 1250'

PRINTED 2/22/24
 TD 3/2/24

Well Size	12-1/4"
Start Log	3,500' - 25,780' - 4,000'
Well ID	947
Comment on Log	See well
TOC	Surface
Well Type	Oil
Prod. Log	J - 278 - 1140
Well ID	947
Card'd w/	200 hrs. Class C
Class	No
TOC	225' Calc'd @ 15%

Date	History
01-Nov-38	Treated open hole from 3447 to 3575 with 180 quarts of H ₂ O ₂ UP 18 @OPQ and 180 MDPD
18-Apr-72	Completed in operation
05-Oct-74	Perf'd 7R & D 1' 3345-32' 3348' 3371-3377' 1' perf 43 holes.
1-Jun-81	Acidized w/ 5000 gals acid plus 1250 gals dispersing agent
17-Sep-88	Sqz'd csg @ 647-671' with 250 sacks and re-sqz'd w/ 100sacs. Acidized all parts with 5000 gals 18% H ₂ FE; H ₂ O ₂ and plus 15000 lbs of oil
24-Mar-08	Approved to TA well. Set CBSP 5250'

Time	Logging Detail (top to bottom)	Footage	Depth

Runs	Red Detail (top to bottom)	Footage	Depth

Pumping Unit
 Updated 04/2/2024

LANGLIE JAL UNIT #013

VI. Exhibit C16

API# 30-025-23865
 1980 FWL 1980 FNL,
 Sec 31, T24S, R37E Lea Co., NM

Field: **Langlie Mattix (7-Rivers & Queen)**

Langlie Jal Unit #13

Location:	
Footage:	1980 FNL & 1980 FWL
Section:	31, T - 24S R - 37E
Block:	
Survey:	
County:	Lea
LM:	
Log:	
Elevations:	
GR:	3243
DF:	
KB:	
KB Calc:	
Ch wlog?	

Well ID Info:	
Well ID:	UJ WW
API No:	30-025-23865
Spud Date:	02/5/07

Hole Size:	12-1/4"
Surf. Csg:	8-5/8" - 240, J-55
Set @:	500'
Cement w/:	47.5 gal
Circ:	Yes
TOC:	Surface

Hole Size:	7-7/8"
Prod. Csg:	4-1/2" - 10 5/8, J-55
Set @:	3600'
Circ'd w/:	1222 gal C-Block C
Circ:	No
TOC:	1500' Calc'd by Terra Survey

Date	History
29-Mar-72	Perf'd 7-Rivers/Queen V 3280-85', 3315-22', 3343'-46', 3363'-07', 3449', 3458', 3512', 3520', 3530', 3543', & 3567'-27' (net, 1 J55PF. Acidized with 500 gal Mll acid.
24-Jun-03	T&A Well
23-Feb-12	POOH with injection string and 4 1/2" PKR. Hydrobed tubing in hole. 2 bad ps. Found leak at top 4 1/2" segs. Welled new 4 1/2" st.b. Test 4 1/2" casing in 550 psig - unry. RRI with 4 1/2" AD-1 PKR. Set PKR at 3,200'. Pressure annulus to 550 psig - Isled. Hydrobed 2 1/8" IFC tubing - found robin leak. 17 stand from surface. Set Arrow and PKR at 3,200' psig. Test annulus to 520 psig. MT passed.

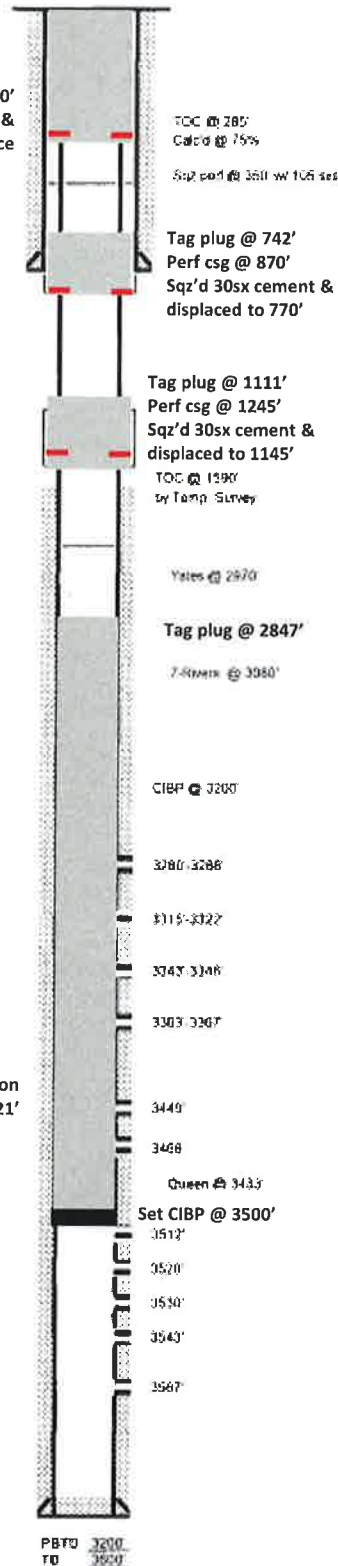
Tubing Detail (top to bottom)			
Joints	Description	Footage	Depth

Rod Detail (top to bottom)			
Rods	Description	Footage	Depth

Project: UML
 Updated: AG 7/25/2014

Spotted 40sx cement on top of plug @ 3500'-2921'

Wellbore Diagram

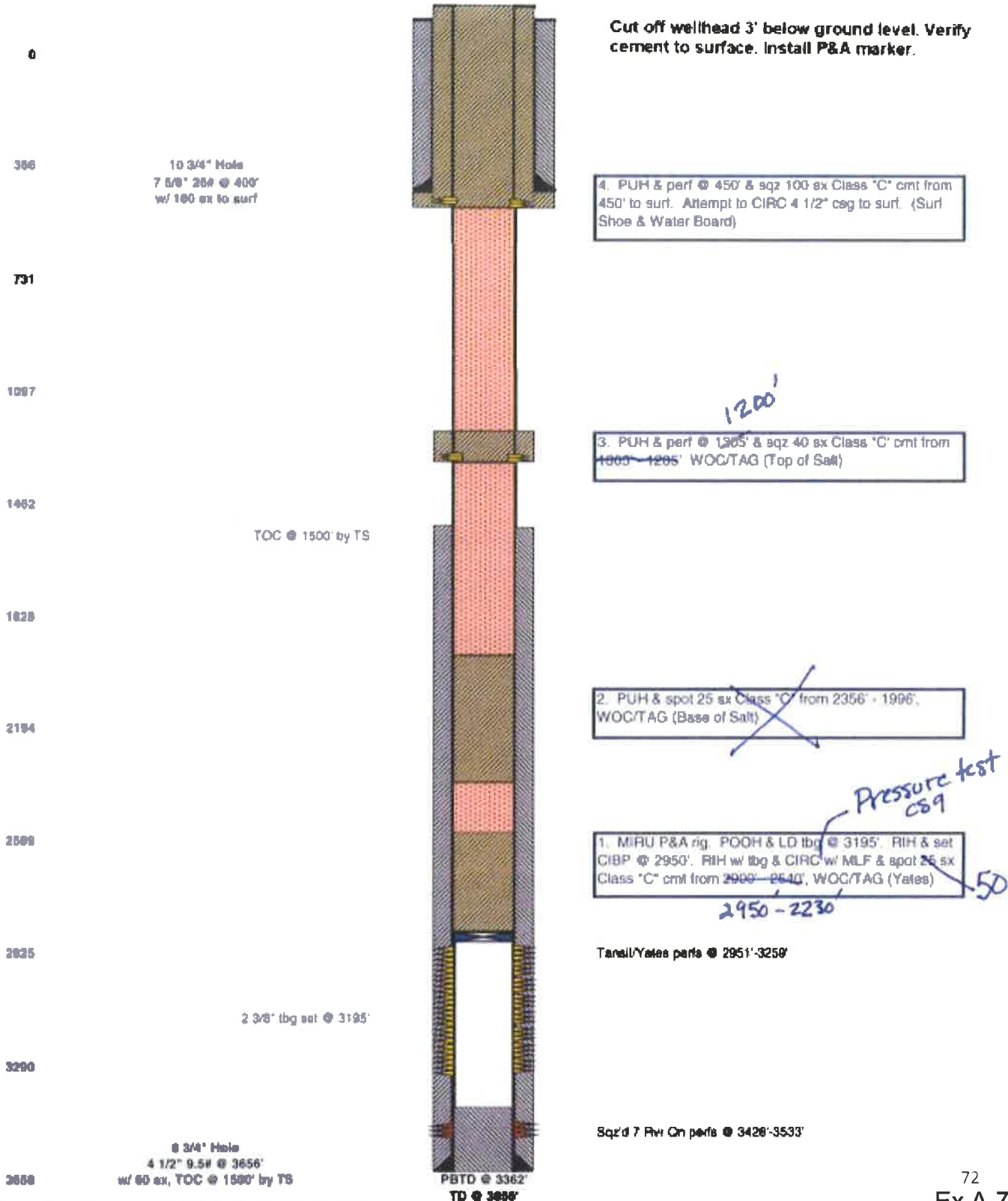


PBTD 3200
 TD 3500

WM H HARRISON D WN COM #6 VI. Exhibit C17

API# 30-025-24669
 1980 FWL 660 FSL,
 Sec 29, T24S, R37E Lea Co., NM

LEASE NAME	WM H Harrison D WM Com
WELL #	6
API #	30-025-24669
COUNTY	LEA



LANGLIE JAL UNIT #002

VI. Exhibit C18

API# 30-025-24837
 660 FEL 990 FNL,
 Sec 31, T24S, R37E Lea Co., NM

Field: Langlie Matrix (T-Rivers & Queen)

1448884	
Formation	660 FNL & 660 FEL
Section	31, T-24S, R-37E
Block	
Section	
Sub-Prop	Sub
Lease	
County	
State	
Well	
Depth	
GR	3200'
OR	
SR	
SR Class	
OR Class	

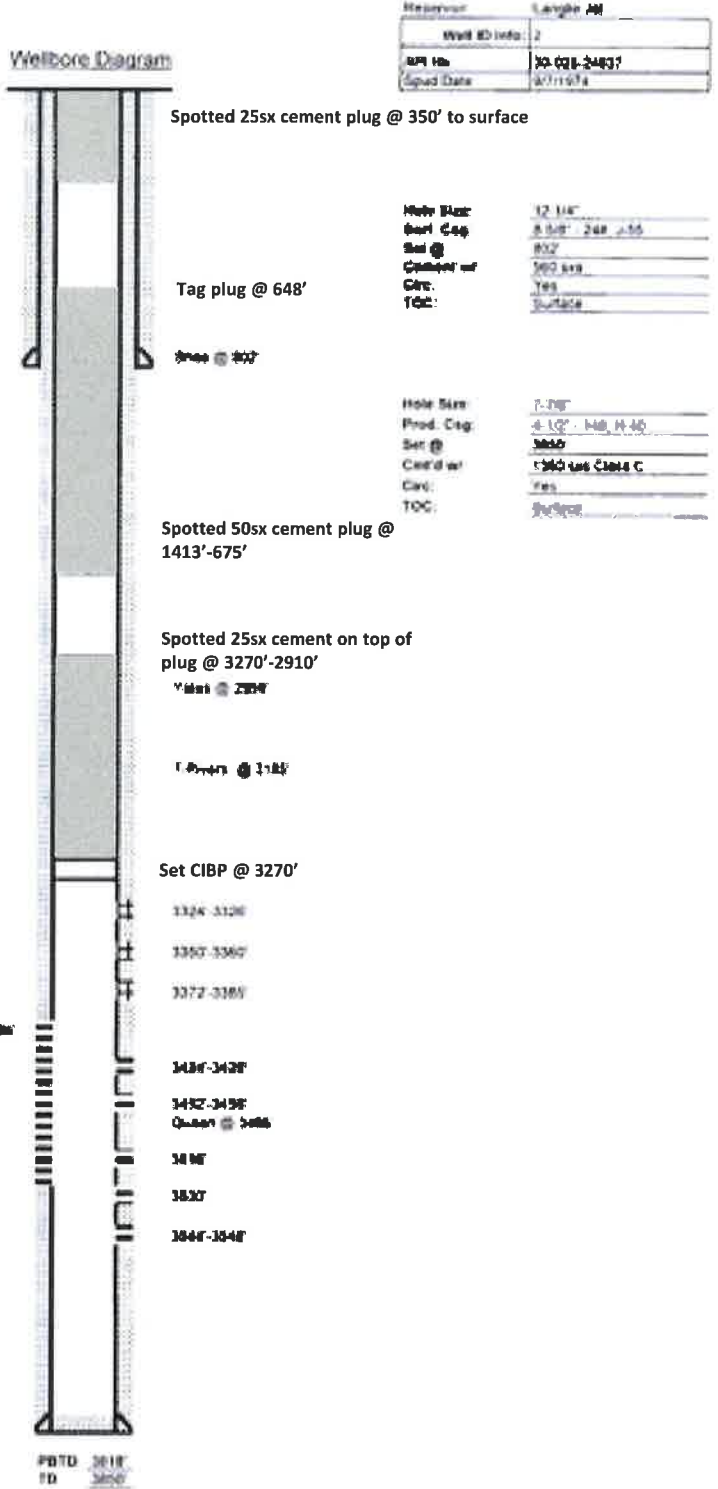
Date	History
05-Oct-14	Perfs from 3324-36, 3350-60, 3372-80, 3428-28, 3452-58, 3516-550' and 3544-48, 1 perf, 47 hours. Run 5 1/2" casing and cemented. Perfs @ 3400'-3477', 3477'-3508', 3527'-3537', & 3538'-3548'. Set four Acidized with 180T gals 15% HCl acid. 7 ac with 30,000 gals gelbed foam sand packer fluid with 30,000 20/40 mesh sand and 5,000T acid. Set IP 13 (CIBP) & set BWPB & C&S T&T's
1-May-17	POOH with production strong. Acidized perforations with 2,000 gals 15% w/ 500 gals slugs.
31-Oct-18	T&A Well. POOH laying down with production strong. GRH with 4 1/2" CIBP and set at 3274' above perfs. Pressure test casing to 300 psig. Circulate hole with inhibited packer fluid.
28-Dec-18	Squeezed perfs 3324-3385. Perf Queen II 3, 600-3,528. Acidized. Returns production.
6-Jun-11	Form C-103 filed in 10/11 with OCC shows well as shut in. Note: The well was to be acidized & restored to production by July 1, 2014.

Depth	Tubing Detail (top to bottom)	Perforations	Depth

Depth	Well Detail (top to bottom)	Perforations	Depth

Pumping Unit
 Updated: 02-11-2014

Langlie Jal Unit #2



CITIES THOMAS #1

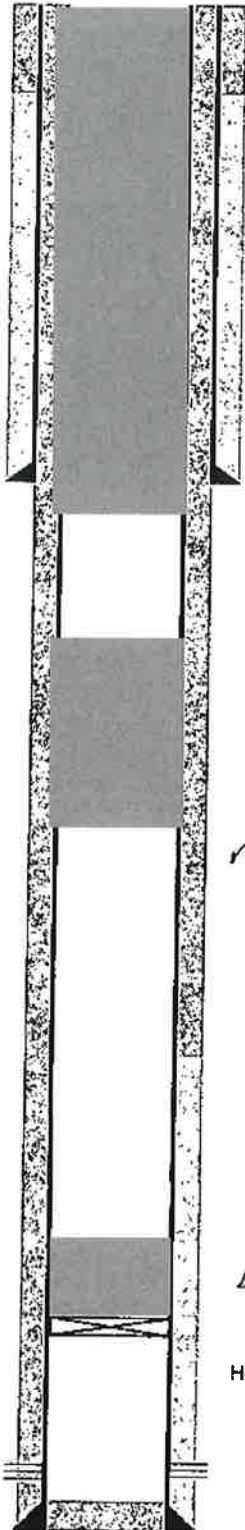
VI. Exhibit C19

API# 30-025-25400
1650 FEL 990 FNL,
Sec 19, T24S, R37E Lea Co., NM



Cimarex Energy Co. of Colorado
Cities - Thomas #1
API 30-025-25400
990' FNL & 1650' FEL, Sec 19, T19S R34E
Lea County, NM
GL:3299' KB: 3312'

8-5/8" 28# csg @ 417'
Cmt w/260 sx, circ to surface



Mix & Circ to surface a 45sx
cement plug from 544'-3'.

Mix & Pump 45sx cement
plug from 1455'-956' (tag).

Mix & Pump 25sx cement
plug from 2977'-2700' (calc).
Tag CIBP @ 2977'

4-1/2" 10.5# csg @ 3696'
Cmt w/1450 sx, circ to surface

Hole in Casing from 2990'-3053'

Queen Perfs: 3445'-3614'

Original PBDT: 3626'
TD: 3696'

CITIES THOMAS #2

VI. Exhibit C20

API# 30-025-25512
660 FEL 480 FNL,
Sec 19, T24S, R37E Lea Co., NM



Cimarex Energy Co. of Colorado
Cities - Thomas #2
API 30-025-25512
480' FNL & 660' FEL, Sec 19, T19S R34E
Lea County, NM
GL:3292' KB: 3302'

8-5/8" 28# csg @ 426'
Cmt w/230 sx, circ to surface

Mix & Circ to surface a 50sx
cement plug from 550'-3'.

Mix & Pump 35sx cement
plug from 1455'-928' (tag).

Mix & Pump 55sx cement
plug from 3330'-2700' (calc).
Tag CIBP @ 3330'

Jalmat Perfs: 3390'-3456'

CIBP @ 3490', 10' cmt cap

4-1/2" 10.5# csg @ 3709'
Cmt w/1850 sx, circ to surface

Langlie Mattix Perfs: 3521'-3593"

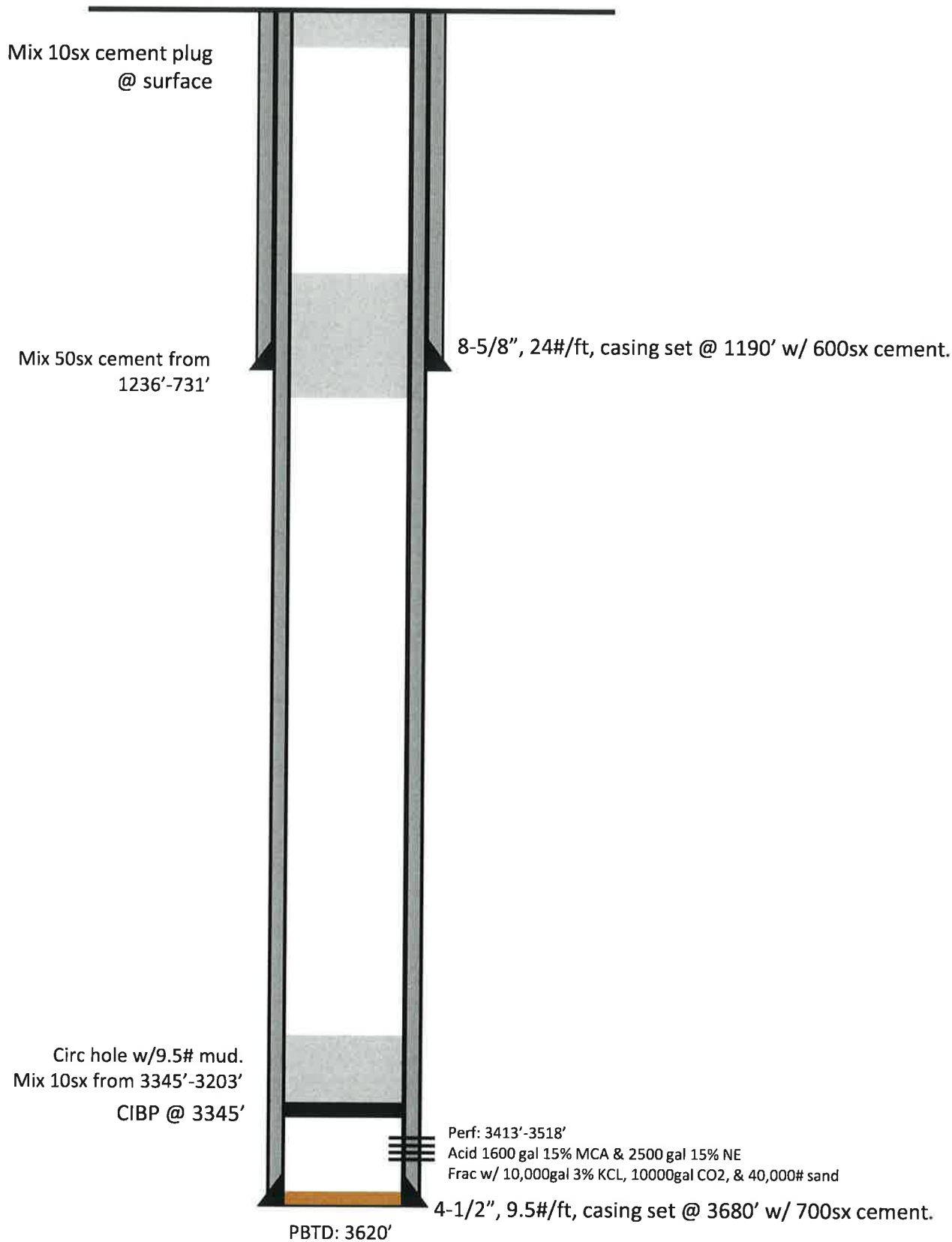


Original PBTD: 3681'
TD: 3710'

HARRISON #1

VI. Exhibit C21

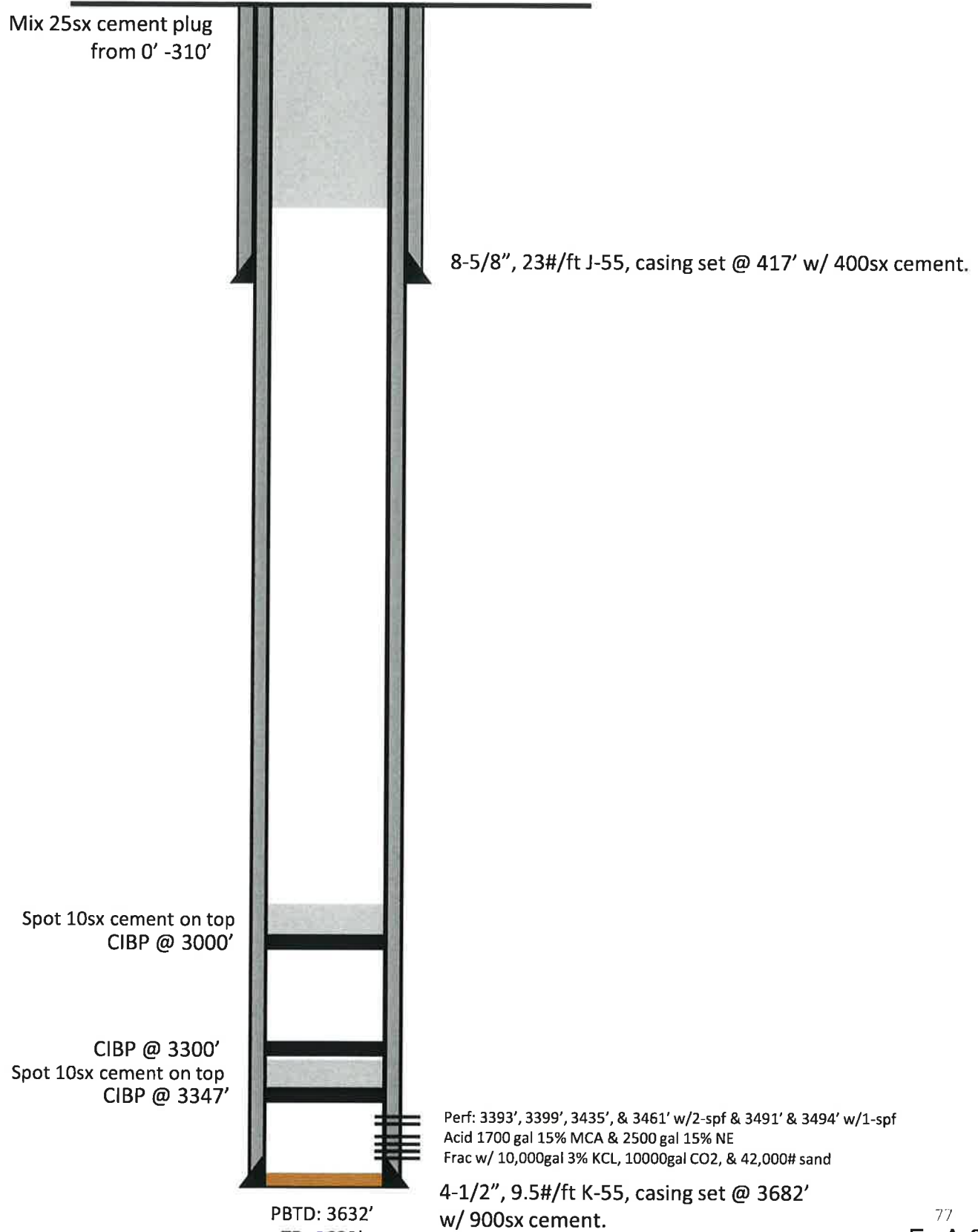
API# 30-025-26060
660 FWL 1980 FNL,
Sec 29, T24S, R37E Lea Co., NM



HARRISON #2

VI. Exhibit C22

API# 30-025-26239
330 FWL 990 FNL,
Sec 29, T24S, R37E Lea Co., NM



CITIES THOMAS #5

VI. Exhibit C23

API# 30-025-28626
990 FEL 990 FNL,
Sec 19, T24S, R37E Lea Co., NM



Cimarex Energy Co. of Colorado
Cities - Thomas #5
API 30-025-28626
990' FNL & 990' FEL, Sec 19, T18S R34E
Lea County, NM
GL 3290' KB

Mix & Circ to Surface, 15sx
cement plug from 63'-3'

9-5/8" 360 csg @ 430'
Cmt w/300 qx, circ to surface

Mix & Pump 35sx cement plug
from 1280'-1090'
Mix & Pump 55sx cement plug
from 1375'-1280'

Mix & Pump 70sx cement plug
from 3020'-2660'

Mix & Pump 35sx cement plug from
3395'-3245' (calc)
NEW CIBP set @ 3395'
Drill Out/Push Down CIBP from 3300' to 3400'

7" 230 csg @ 3780'
Cmt w/650 qx, circ to surface



Mix & Pump 25sx cement plug
from 480'-380' (calc)

✓ TS

✓ BS

Seven Rivers Perfor: 3495'-3585'

Original PBTD: 3710'
TD: 3710'

C D WOOLWORTH #9

VI. Exhibit C24

API# 30-025-32863
1980 FWL 660 FSL,
Sec 30, T24S, R37E Lea Co., NM

OXY USA Inc.
C.D. Woolworth #9
API No. 30-025-32863

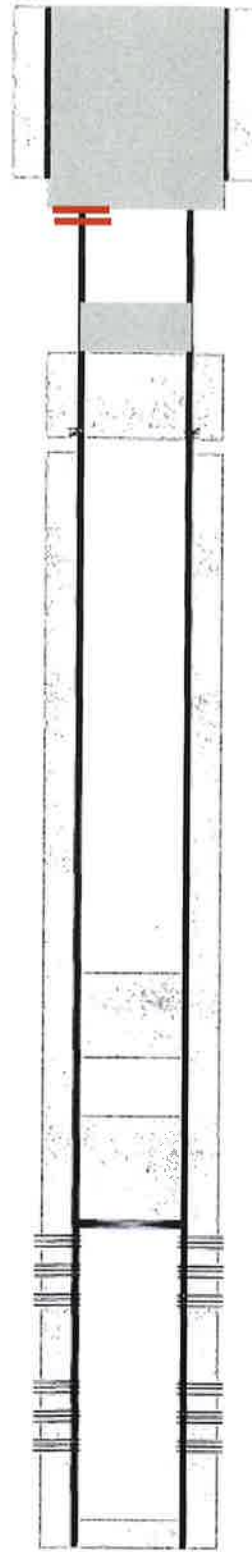
Circulated to surface
Mix & Pump 135sx cement @ 491'

Tag cement @ 730'
Mix & Pump 25sx cement @ 808'

Tag cement @ 808'
Mix & Pump 50sx cement @ 1204'

Tag cement @ 2536'
Mix & Pump 25sx cement @ 2758'

Tag cement @ 2825'
CIBP @ 3125' w/30sx cement on top



12-1/4" hole @ 460'
8-5/8" csg @ 460'
w/ 270sx-TOC-Surf-Circ

RIH w/pkr & found holes @ 528'-491'

Perf @ 1200'

Perfs @ 3175-3358'

Perfs @ 3475-3655'

7-7/8" hole @ 3800'
5-1/2" csg @ 3800'
w/ 350sx-TOC-1250'-TS

PB-3765'

TD-3800'

79

Ex.A-83

C D WOOLWORTH #11

VI. Exhibit C25

API# 30-025-33882
1330 FWL 1185 FSL,
Sec 30, T24S, R37E Lea Co., NM

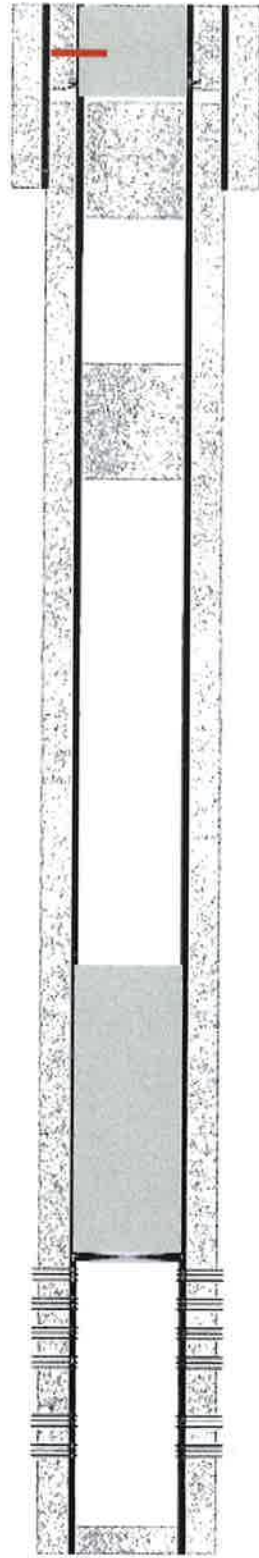
OXY USA Inc:
C.D. Woolworth #11
API No. 30-025-33882

Circulate to surface
Sqz 30sx cement @100'
Perf @100', RIH to 270', & Mix &
Pump 30sx cement to 100'

Tag cement @ 280'
Mix & Pump 25sx cement @ 552'

Tag cement @ 935'
Mix & Pump 25sx cement @ 1258'

Tag cement @ 2423'
CIBP @ 3110' w/45sx cement on top



11" hole @ 479'
8-5/8" csg @ 479'
w/ 260sx-TOC-Surf-Circ
Perf @ 250'

Perfs @ 3161-3349'

Perfs @ 3484-3608'

7-7/8" hole @ 3760'
4-1/2" csg @ 3760'
w/ 1250sx-TOC-284' CBL⁸⁰

PB-3735'

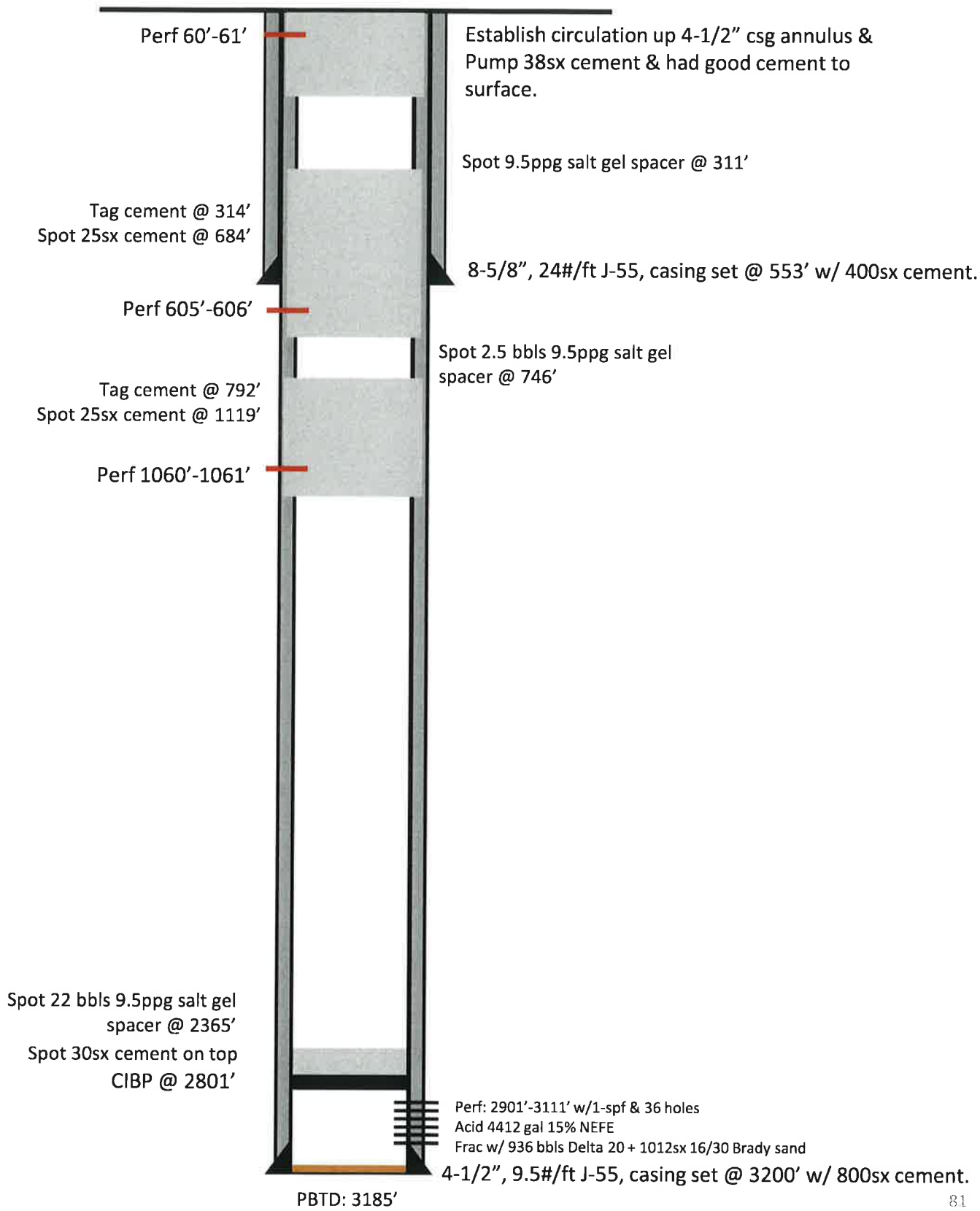
TD-3760'

EX.A-84

STATE A 32 #005

VI. Exhibit C26

API# 30-025-34555
660 FWL 710 FNL,
Sec 32, T24S, R37E Lea Co., NM



VII. Proposed Injection Operation

1. Average injection rate target will be ~800 bpd. Maximum injection rate will be 1600 bpd. These numbers are based off typical injection rates in nearby Seven Rivers - Queen water floods.
2. The system will be a closed system. The injection well will not be made available for commercial disposal purposes.
3. Average injection pressure will be ~650 psi. Maximum injection pressure will be calculated relative to the depth of the highest perforation, using a factor of 0.2 psi/ft. The proposed injector will have top perforation depths of approximately 3,450' to 3,550' (or 690 psi to 710 psi maximum injection pressure, respectively). Pending results of a step rate test, the maximum injection pressure could potentially be increased to a factor of 0.65 psi/ft (or 2,243 psi at 3,450' and 2,308 psi at 3,550').
4. The water source will be produced water from nearby wells and water transfer lines.
5. Injection will be into the Seven Rivers/Queen formation, which is immediately productive in the area.

VIII. Geologic Data

The waterflood will be injecting into the Seven Rivers/Queen reservoir. The portion that will be injected consists mainly of sandstones interbedded with dolomites and anhydrites. The reservoir quality rocks have porosities ranging from 10% to 20% and averages around 16%. Formation Tops Are:

Formation	Offset Top (ADELE SOWELL 2) 30-025-25755	Contents
Alluvium	GL	Fresh Water
Rustler	1180	Anhydrite
Salado (top of salt)	1325	Salt
Tansill (base of salt)	2770	Gas, Oil, & Water
Yates	2930	Gas, Oil, & Water
Seven Rivers	3175	Gas, Oil, & Water
Queen	3536	Gas, Oil, & Water
SR/Queen Injection Interval	3445-3700	Gas, Oil, & Water
Total Depth	3718	

IX. Proposed Stimulation Program

The injectors will be acidized with 5,000 gal 15% HCl for each set of perforations. Acid in the Queen formation is known to break down the perms and cause injection at lower pressures vs perforating alone. The injectors will not be sand frac'd so there will be better vertical conformance.

X. Logging and Test Data for Wells

The CITIES THOMAS #3, ADELE SOWELL #1, ADELE SOWELL #2, KIMMY #3, and C D WOOLWORTH #10 will be converted to injectors. The well logs for these wells have been submitted to the NMOCD previously. The remaining 10 wells are new drill injectors and will be open hole logged before the 2nd string of casing is set. FAE II plans to run GR, RES, DENSITY, NEUTRON, and PE curves.

Test Data for the above-mentioned wells is as follows:

CITIES THOMAS #3

Date: 09/11/1977

Perf Interval: 3408', 3413', 3423', 3433', 3445', 3481, 3518', 3528', 3531', 3550', & 3555' (1 SPF)

Method: Perf and Acidize w/4000 gal 15% MCA; SWF w/ 50,000 gals & 85,000# sand.

Result: 292 MCF in 24hrs.

ADELE SOWELL #1

Date: 9/23/1977

Perf Interval: 3402', 3406', 3410', 3414', 3418', 3424', 3428', 3432', 3436', 3472', 3476', 3492', 3503', 3507', 3511', & 3515' (1 SPF)

Method: Perf and Acidized w/4,000 gals 15% MCA; SWF w/ 50,000 gals & 80,000# sand.

Result: 345 MCF in 24hrs.

ADELE SOWELL #2

Date: 1/31/1978

Perf Interval: 3387', 3391', 3394', 3397', 3400', 3403', 3406', 3409', 3412', 3457', 3460', 3463, 3485', 3488', 3491', 3494', & 3497' (1 SPF)

Method: Perf and Acidized w/4500 gals 15% MCA; SWF w/ 50,000 gals + 85,000# sand.

Result: 288 MCF in 24hrs.

KIMMY #3

Date: 10/27/1979

Perf Interval: 3410', 3445', & 3476' (2 SPF) 3494' & 3510' (1 SPF)

Method: Perf and Acidized w/1700 gals 15% MCA & 2500 gals 15% NE; Frac w/ 10,000 gals 3% KCL, 10,000 gal CO₂ & 43,000# sand.

Result: Pump 15.11 BO, 361.6 MCF, & 8.13 BW in 24hrs.

C D WOOLWORTH #10

Date: 5/29/1997

Perf Interval: 3502'-3658' w/4 JHPF

Method: Perf and Acidized w/2100 gals 15% NEFE HCl; Frac w/ 31,000 gal 35# XL gel & 104,000# 12/20 mesh Brady Sand.

Result: Pump 16 BO, 71 MCF, & 82 BW in 24hrs.

Date: 2/25/1998

Perf Interval: 3198'-3376' (26 Holes) & 3502'-3558' (40 Holes)

Method: Set CIBP @ 3450', Perf 3198'-3376' w/26 holes, Acidize w/2500 gal 15% NEFE Acid, and Frac perms w/38,872 gal SFG 3000 + 130,000# 16/30 sand. Drilled out CIBP & cleaned hole to 3727'. Put back on production as commingled Jalmat and Langlie Mattix pools.

Result: Pump 23 BO, 65 MCF, & 76 BW in 24hrs

XI. Chemical Analysis of Fresh Water Wells

According to records from the Office of the State Engineer (Exhibit D1-8a) there are 0 active water wells within the 1 mile radius around the proposed wells. The OSE indicates there is 1 water well location within 1 mile of ADELE SOWELL #2, FLUOR HARRISON #2, KIMMY #5, and JACK B 30 #6 (CP 00492). The CP 00492 was drilled to 500'. The water bearing interval was found between 80'-100' MD, and it was cased from surface to 300' MD. The hole was then filled with metallurgical coke breeze containing 20 2"x60" anodes and converted to a cathodic protection ground bed. Due to the processes described, the CP 00492 is not actually an active water well. The OSE also indicates the KIMMY #6 location is within 1 mile of the CP 00493. This is also a cathodic protection well, and it is not currently water bearing.

FAE II Operating, LLC has obtained water analyses on 3 freshwater samples. The closest water sample (WS #1), a shallow fresh water well used for watering cattle, is about 280' from the ADELE SOWELL #1. The second water sample (WS #2) was taken about 0.29 Miles east of the ADELE SOWELL #1 and is also a shallow fresh water well used for watering cattle. The third fresh water sample, Randal Crawford's Well and may also be the permitted CP 01931, is a shallow fresh water well for domestic use, and it is about 0.8 Miles South East of the C D WOOLWORTH #10. See Exhibits E1 through E3 for the sample location map and their water analysis results.

With respect to compatibility, the source of the water to be injected will be produced water from other Seven Rivers and Queen formations wells drilled within the Project area and water transfer lines. Exhibit E2 also contains a produced water analysis for the FAE II Operating LLC's CITIES THOMAS #4 (API: 30-025-25756). We do not expect any water compatibility issues to arise from the proposed injection operations.

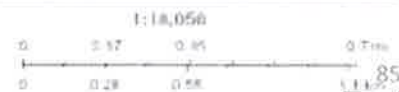
API NUMBER: 30-025-25608
Well: CITIES THOMAS #3
Location: Twn 24S Rge 37E Sec 19
Footages: 660 FEL 2310 FNL
County: Lea

XI. Exhibit D1a

Location For Office of the State Engineer:
NAD 1983 UTM Zone 13
Easting (X): **670062.646** mtrs
Northing (Y): **3564454.783** mtrs



10/6/2023, 5:52:15 PM
GIS WATERS.FGDB
● Active
▲ C-108 Injector



API NUMBER: 30-025-25608
Well: CITIES THOMAS #3
Location: Twn 24S Rge 37E Sec 19
Footages: 660 FEL 2310 FNL
County: Lea

XI. Exhibit D1b

Location For Office of the State Engineer:
NAD 1983 UTM Zone 13
Easting (X): **670062.646** mtrs
Northing (Y): **3564454.783** mtrs

Water Wells Within 1 Mile Radius

**** 0 Locations ****



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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

No records found

Basin/County Search:

Basin: Capitlan **County:** Lea

UTM NAD83 Radius Search (in meters):

Easting (X): 670062.646 **Northing (Y):** 3564454.783 **Radius:** 1609.3

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.

10/6/21 4:57 PM

WATER COLUMN AVERAGE
DEPTH TO WATER.

API NUMBER: 30-025-25755
Well: ADELE SOWELL #2
Location: Twn 24S Rge 37E Sec 19
Footages: 660 FEL 1650 FSL
County: Lea

XI. Exhibit D2a

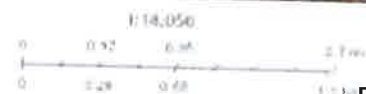
Location For Office of the State Engineer:
NAD 1983 UTM Zone 13
Easting (X): 670071.327 mtrs
Northing (Y): 3564050.143 mtrs



10/6/2021 6:04:55 PM
GIS WATERS.FOD:

▲ C-108 Injector

● Active



API NUMBER: 30-025-25755
Well: ADELE SOWELL #2
Location: Twn 24S Rge 37E Sec 19
Footages: 660 FEL 1650 FSL
County: Lea

XI. Exhibit D2b

Location For Office of the State Engineer:
NAD 1983 UTM Zone 13
Easting (X): 670071.327 mtrs
Northing (Y): 3564050.143 mtrs

Water Wells Within 1 Mile Radius

**** 1 Location ****



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

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q Q Q	Sec	Twn	Rng	X	Y	Distance	Depth	Well	Depth	Water Column
CP00492.POD1	Catholic Protection	CP	LE	3 4 4	20	24S	37E	671592	3563671	1567		500		

Average Depth to Water: --
Minimum Depth: --
Maximum Depth: --

Record Count: 1

Basin/County Search:

Basin: Capitan County: Lea

UTM/NAD83 Radius Search (in meters):

Easting (X): 670071.327 Northing (Y): 3564050.143 Radius: 1609.3

*UTM location was derived from PL55 - see Help

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

10/8/21 5:08 PM

WATER COLUMN/AVERAGE DEPTH TO WATER

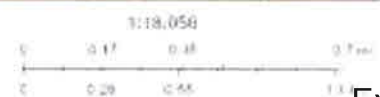
API NUMBER: 30-025-25630
Well: ADELE SOWELL #1
Location: Twn 24S Rge 37E Sec 19
Footages: 990 FEL 330 FSL
County: Lea

XI. Exhibit D3a

Location For Office of the State Engineer:
NAD 1983 UTM Zone 13
Easting (X): **669979.120** mtrs
Northing (Y): **3563646.041** mtrs



10/7/2021, 10:08:02 AM ▲ C-108 Injector
GIS-WATERS.PODs
■ Active



API NUMBER: 30-025-25630
Well: ADELE SOWELL #1
Location: Twn 24S Rge 37E Sec 19
Footages: 990 FEL 330 FSL
County: Lea

XI. Exhibit D3b

Location For Office of the State Engineer:
NAD 1983 UTM Zone 13
Easting (X): 669979.120 mtrs
Northing (Y): 3563646.041 mtrs

Water Wells Within 1 Mile Radius

**** 0 Locations ****



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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

No records found

Basin/County Search:

Basin: Capitan County: Lea

UTM NAD83 Radius Search (in meters):

Easting (X): 669979.12 Northing (Y): 3563646 Radius: 1609.3

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

10/7/21 9:13 AM

WATER COLUMN AVERAGE
DEPTH TO WATER

API NUMBER: 30-025-26437
Well: KIMMY #3
Location: Twn 24S Rge 37E Sec 29
Footages: 330 FWL 1650 FSL
County: Lea

XI. Exhibit D4a

Location For Office of the State Engineer:
NAD 1983 UTM Zone 13
Easting (X): 670403.970 mtrs
Northing (Y): 3562442.133 mtrs



12/1/2022, 2:22:55 PM

▲ C-108 Injector

GIS WATERS POLS:

- Active
- Pending
- Incomplete

1:18,056



Esri, HERE, DeLorme, Swire, Esri, HERE, DeLorme, GeoTechnologies, Inc., IRT, Department of Energy, Office of Energy Management, Mapbox

API NUMBER: 30-025-26437
Well: KIMMY #3
Location: Twn 24S Rge 37E Sec 29
Footages: 330 FWL 1650 FSL
County: Lea

XI. Exhibit D4b

Location For Office of the State Engineer:
NAD 1983 UTM Zone 13
Easting (X): 670403.970 mtrs
Northing (Y): 3562442.133 mtrs

Water Wells Within 1 Mile Radius

**** 0 Active Locations ****



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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters)

No records found.

Basin/County Search:

Basin: Capitan County: Lea

UTM/NADS3 Radius Search (in meters):

Easting (X): 670403.97 Northing (Y): 3562442.133 Radius: 1609.3

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.

12/11/22 1:25 PM

WATER COLUMN AVERAGE
DEPTH TO WATER

API NUMBER: 30-025-33881
Well: C D WOOLWORTH #10
Location: Twn 24S Rge 37E Sec 30
Footages: 2630 FEL 1400 FSL
County: Lea

XI. Exhibit D5a

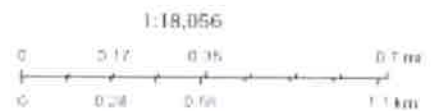
Location For Office of the State Engineer:
NAD 1983 UTM Zone 13
Easting (X): **669503.842** mtrs
Northing (Y): **3562350.556** mtrs



12/1/2022, 2:32:26 PM ▲ C-108 Injector

GIS WATERS.PODs

- Active
- Pending
- Site Boundaries



Esri, HERE, DeLorme, Mapbox, Swire, UNICOM, U.S. Department of State, GeoTechnologies, Inc., (C) Department of Energy & Natural Resources, Massachusetts

Released to Imaging: 6/5/2024 10:45:37 AM

Ex.A-97

Released to Imaging: 9/4/2024 8:14:19 AM

API NUMBER: 30-025-33881
 Well: C D WOOLWORTH #10
 Location: Twn 24S Rge 37E Sec 30
 Footages: 2630 FEL 1400 FSL
 County: Lea

XI. Exhibit D5b

Location For Office of the State Engineer:
 NAD 1983 UTM Zone 13
 Easting (X): 669503.842 mtrs
 Northing (Y): 3562350.556 mtrs

Water Wells Within 1 Mile Radius

**** 0 Active Locations ****



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

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

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

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(in feet)

POD Number	Code	POD Sub-basin	County	Q	Q	Q	Sec	Twn	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 01112 POD1		CP	LE	1	3	4	25	24S	36E	669471	3562696	1090	100		
CP 01112 POD1	Non Water Bearing Geotechnical Data Wells	CP	LE	3	1	4	25	24S	36E	669112	3562471	1396	100		
CP 01113 POD1		CP	LE	1	3	2	25	24S	36E	668082	3562905	1525	100		
													Average Depth to Water	--	
													Minimum Depth	--	
													Maximum Depth	--	

Record Count: 3

Basin/County Search:

Basin: Capitan

County: Lea

UTM/NAD83 Radius Search (in meters):

Easting (X): 669503.842

Northing (Y): 3562350.556

Radius: 1609.3

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.

12/1/22 1:31 PM

WATER COLUMN/AVERAGE DEPTH TO WATER

API NUMBER: 30-025-TBD
Well: FLUOR HARRISON #2
Location: Twn 24S Rge 37E Sec 20
Footages: 1158 FSL 1136 FWL
County: Lea

XI. Exhibit D6a

Location For Office of the State Engineer:
NAD 1983 UTM Zone 13
Easting (X): 670630.491 mtrs
Northing (Y): 3563907.378 mtrs



12/16/2022, 2:39:15 PM ▲ C-108 Injector
GAS WATERBODs

- Active
- Pending



Ex. HERE GeoTechnologies, Inc. Ex. GeoTechnologies, Inc. 175 Department of Energy, Resources and Environment
Lipps Management, LLC

API NUMBER: 30-025-TBD
 Well: FLUOR HARRISON #2
 Location: Twn 24S Rge 37E Sec 20
 Footages: 1158 FSL 1136 FWL
 County: Lea

XI. Exhibit D6b

Location For Office of the State Engineer:
 NAD 1983 UTM Zone 13
 Easting (X): 670630.491 mtrs
 Northing (Y): 3563907.378 mtrs

Water Wells Within 1 Mile Radius

**** 1 Location ****



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

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

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

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-Basin	County	Q1	Q2	Q3	Q4	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00492 POD1	Catholic Protection	CP	LE	3	4	4	20	24S	37E		671592	3563671*	990	590		
														Average Depth to Water	--	
														Minimum Depth	--	
														Maximum Depth	--	

Record Count: 1

Basin/County Search:

Basin: Capitan

County: Lea

UTM/NAD83 Radius Search (in meters):

Easting (X): 670630.491

Northing (Y): 3563907.378

Radius: 1609.1

*UTM location was derived from PLSS - see Help

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

12/1/22 1:38 PM

WATER COLUMN AVERAGE DEPTH TO WATER

API NUMBER: 30-025-TBD
 Well: KIMMY #5
 Location: Twn 24S Rge 37E Sec 29
 Footages: 201 FNL 1120 FWL
 County: Lea

XI. Exhibit D7b

Location For Office of the State Engineer:
 NAD 1983 UTM Zone 13
 Easting (X): 670633.014 mtrs
 Northing (Y): 3563493.191 mtrs

Water Wells Within 1 Mile Radius

**** 1 Location ****



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

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

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

(quarters are 1-NW 2-NE 3-SW 4-SE)
 (quarters are smallest to largest)

(NADS: UTM in meters)

(in feet)

POD Number	Code	POD Sub-basin	County	Q Q Q	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00492.POD1	Catholic Protection	CP	LE	3 4 4	29	24S	37E	671392	3563671	1629.3	975	900	
											Average Depth to Water		--
											Minimum Depth		--
											Maximum Depth		--

Record Count: 1

Basin/County Search:

Basin: Capitan

County: Lea

UTM/NADS U Radius Search (in meters):

Easting (X): 670633

Northing (Y): 3563493.191

Radius: 1629.3

*UTM location was derived from PLSS - see Help

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

12/1/22 2:19 PM

WATER COLUMN AVERAGE DEPTH TO WATER

API NUMBER: 30-025-TBD
 Well: KIMMY #6
 Location: Twn 24S Rge 37E Sec 29
 Footages: 1085 FSL 1299 FWL
 County: Lea

XI. Exhibit D8b

Location For Office of the State Engineer:
 NAD 1983 UTM Zone 13
 Easting (X): 670709.457 mtrs
 Northing (Y): 3562280.556 mtrs

Water Wells Within 1 Mile Radius
**** 1 Location ****



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

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

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

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

(NAD83 UTM in meters)

(in feet)

POD Number	Code	POD Sub-basin	County	Q Q Q	Sec	Twn	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 00491 POD1	Catholic Protection	CP	LE	3 4 2 32	245	37E		671834	3561458*	1393	500		
										Average Depth to Water:			--
										Minimum Depth:			--
										Maximum Depth:			--

Record Count: 1

Basin/County Search:

Basin: Captax County: Lea

UTM/NAD83 Radius Search (in meters):

Easting (X): 670709.457 Northing (Y): 3562280.556 Radius: 1609.3

*UTM location was derived from PLSS - see Help

The data is furnished by the NM-OSE 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.

12/1/22 2:40 PM

WATER COLUMN/AVERAGE DEPTH TO WATER

API NUMBER: 30-025-TBD
Well: JACK B 30 #5
Location: TwN 24S Rge 37E Sec 30
Footages: 1030 FNL 1416 FEL
County: Lea

XI. Exhibit D9a

Location For Office of the State Engineer:
NAD 1983 UTM Zone 13
Easting (X): **669864.884** mtrs
Northing (Y): **3563226.229** mtrs

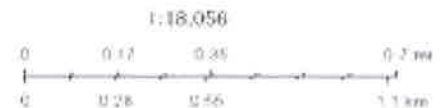


12/1/2022, 3:58:00 PM

GIS WATERS PODs

- Active
- Pending
- Site Boundaries

▲ C-108 Injector



Esri, HERE, GeoTechnologies, Inc., Esri, HERE, Garmin, GeoTechnologies, Inc., U.S. Department of the Interior, Office of Lands Management, Mapbox

Released to Imaging: 6/5/2024 10:45:37 AM

Ex.A-105

Released to Imaging: 9/4/2024 8:14:19 AM

API NUMBER: 30-025-TBD
 Well: JACK B 30 #5
 Location: Twn 24S Rge 37E Sec 30
 Footages: 1030 FNL 1416 FEL
 County: Lea

XI. Exhibit D9b

Location For Office of the State Engineer:
 NAD 1983 UTM Zone 13
 Easting (X): 669864.884 mtrs
 Northing (Y): 3563226.229 mtrs

Water Wells Within 1 Mile Radius
**** 0 Active Locations ****



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

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

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

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

(NAD83 UTM in meters)

(in feet)

POD Number	Code	POD Sub-basin	County	Q Q Q	Sec	Twn	Rge	X	Y	Distance	Depth	Well	Depth	Water Column
CP 01132 PODS	Non Water Bearing Geotechnical Data Well	CP	LE	1 2 4	25	24S	36E	668473	3562895	1490	100			
										Average Depth to Water				-
										Minimum Depth				-
										Maximum Depth				-

Record Count: 1

Basin/County Search:

Basin: Capitan

County: Lea

UTM/NAD83 Radius Search (in meters):

Easting (X): 669864.884

Northing (Y): 3563226.229

Radius: 1609.3

The data is furnished by the NM/OSE/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.

12/1/22 2:57 PM

WATER COLUMN AVERAGE DEPTH TO WATER

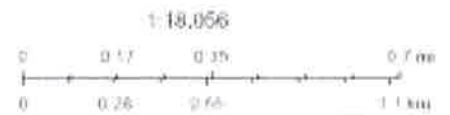
API NUMBER: 30-025-TBD
Well: JACK B 30 #6
Location: Twn 24S Rge 37E Sec 30
Footages: 1348 FNL 250 FEL
County: Lea

XI. Exhibit D10a

Location For Office of the State Engineer:
NAD 1983 UTM Zone 13
Easting (X): 670221.742 mtrs
Northing (Y): 3563135.617 mtrs



12/1/2022, 4:03:44 PM ▲ C-108 Injector
GIS WATERS PODs
● Active
● Pending



Released to Imaging: 6/5/2024 10:45:37 AM

API NUMBER: 30-025-TBD
 Well: JACK B 30 #6
 Location: Twn 24S Rge 37E Sec 30
 Footages: 1348 FNL 250 FEL
 County: Lea

XI. Exhibit D10b

Location For Office of the State Engineer:
 NAD 1983 UTM Zone 13
 Easting (X): 670221.742 mtrs
 Northing (Y): 3563135.617 mtrs

Water Wells Within 1 Mile Radius

**** 1 Location ****



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

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
 (quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q	Q	Q	Sec	Twn	Rng	X	Y	Distance	Depth	Well	Depth	Water Column
CP 00401 POD1	Catholic Protection	CP	1E	3	4	4	20	24S	37E	670221.742	3563135.617	1473	500			
													Average Depth to Water:	--		
													Minimum Depth:	--		
													Maximum Depth:	--		

Record Count: 1

Basin/County Search:

Basin: Capitan County: Lea

UTM/NAD83 Radius Search (in meters):

Easting (X): 670221.742 Northing (Y): 3563135.617 Radius: 1609.3

*UTM location was derived from PL55 - see Help

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

12/1/22 3:01 PM

WATER COLUMN/AVERAGE DEPTH TO WATER

API NUMBER: 30-025-TBD
 Well: JACK B 30 #7
 Location: Twn 24S Rge 37E Sec 30
 Footages: 2320 FNL 248 FEL
 County: Lea

XI. Exhibit D11b

Location For Office of the State Engineer:
 NAD 1983 UTM Zone 13
 Easting (X): 670227.583 mtrs
 Northing (Y): 3562839.280 mtrs

Water Wells Within 1 Mile Radius

**** 1 Location ****



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

(A C1W***** in the
 POD suffix indicates the
 POD has been replaced
 & no longer serves a
 water right file.)

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

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(in feet)

POD Number	Code	POD Sub-basin	County	Q Q Q	Sec	Twn	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 00492 POD1	Catholic Protection	CP	LE	5 4 4	30	24S	37E	671592	3563673	1497	500		
										Average Depth to Water			--
										Maximum Depth			--
										Maximum Depth			--

Record Count: 1

Basin/County Search:

Basin: Capitan

County: Lea

UTM/NAD83 Radius Search (in meters):

Easting (X): 670227.583

Northing (Y): 3562839.28

Radius: 1609.3

*UTM location was derived from PLSS - see Help

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

12/1/22 3:06 PM

WATER COLUMN AVERAGE DEPTH TO WATER

API NUMBER: 30-025-TBD
 Well: JACK B 30 #8
 Location: Twn 24S Rge 37E Sec 30
 Footages: 2523 FNL 1340 FEL
 County: Lea

XI. Exhibit D12b

Location For Office of the State Engineer:
 NAD 1983 UTM Zone 13
 Easting (X): 669896.095 mtrs
 Northing (Y): 3562771.591 mtrs

Water Wells Within 1 Mile Radius

**** 0 Active Locations ****



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

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

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

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

(NAD83 UTM in meters)

(in feet)

POD Number	Code	POD Sub-basin	County	Q Q Q	Sec	Twn	Rge	X	Y	Distance	Depth	WellDepth	Water Column
CP0113 POD2	Non Water Bearing Geotechnical Data Well	CP	LE	1 2 4	25	24S	36E	668471	3562695	1426	100		
										Average Depth to Water:			--
										Minimum Depth:			--
										Maximum Depth:			--

Record Count: 1

Basin/County Search:

Basin: Capitan County: Lea

UTM NAD83 Radius Search (in meters):

Easting (X): 669896 Northing (Y): 3562771.591 Radius: 1609.3

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

12/1/22 3:27 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

API NUMBER: 30-025-TBD
Well: C D WOOLWORTH #12
Location: Twn 24S Rge 37E Sec 30
Footages: 1461 FSL 1210 FEL
County: Lea

XI. Exhibit D13a

Location For Office of the State Engineer:
NAD 1983 UTM Zone 13
Easting (X): **669942.824** mtrs
Northing (Y): **3562379.681** mtrs



12/1/2022, 4:35:35 PM ▲ C-108 Injector

GIS WATERS POOLS

- Active
- Pending
- Site Boundaries



Esri, HERE, GeoTechnologies, Inc., Esri, HERE, Garmin, GeoTechnologies, Inc., U.S. Department of the Interior, Office of Legacy Management, Maxar

API NUMBER: 30-025-TBD
 Well: C D WOOLWORTH #12
 Location: Twn 24S Rge 37E Sec 30
 Footages: 1461 FSL 1210 FEL
 County: Lea

XI. Exhibit D13b

Location For Office of the State Engineer:
 NAD 1983 UTM Zone 13
 Easting (X): 669942.824 mtrs
 Northing (Y): 3562379.681 mtrs

Water Wells Within 1 Mile Radius

**** 0 Active Locations ****



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

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

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

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(in feet)

POD Number	Code	POD Sub-basin	County	Q	Q	Q	Sec	Twn	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP01132 POD1	Non Water Bearing Geotechnical Data Well	CP	LE	1	2	4	35	24S	36E	668471	3562695	1506	100		
													Average Depth to Water:	--	
													Minimum Depth:	--	
													Maximum Depth:	--	

Record Count: 1

Basin/County Search:

Basin: Capitan

County: Lea

UTM/NAD83 Radius Search (in meters):

Easting (X): 669942.824

Northing (Y): 3562379.681

Radius: 1609.3

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

12/1/22 3:34 PM

WATER COLUMN AVERAGE DEPTH TO WATER

API NUMBER: 30-025-TBD
Well: C D WOOLWORTH #13
Location: Twn 24S Rge 37E Sec 30
Footages: 1323 FSL 1212 FWL
County: Lea

XI. Exhibit D14a

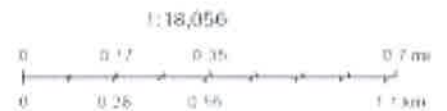
Location For Office of the State Engineer:
NAD 1983 UTM Zone 13
Easting (X): **669094.427** mtrs
Northing (Y): **3562316.157** mtrs



12/1/2022, 4:40:09 PM
GIS WATERS PODs:

- Active
- Pending
- Site Boundaries

▲ C-108 Injector



Enr. HERE GeoTechnologies, Inc. Enr. HERE Garmin
GeoTechnologies, Inc. (U.S. Department of State) Office of
Legacy Management Maps

Ex.A-115

API NUMBER: 30-025-TBD
 Well: C D WOOLWORTH #13
 Location: Twn 24S Rge 37E Sec 30
 Footages: 1323 FSL 1212 FWL
 County: Lea

XI. Exhibit D14b

Location For Office of the State Engineer:
 NAD 1983 UTM Zone 13
 Easting (X): 669094.427 mtrs
 Northing (Y): 3562316.157 mtrs

Water Wells Within 1 Mile Radius

**** 0 Active Locations ****



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

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

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

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec 25	Twn 24S	Rge 36E	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 01132 POD1		CP	LE	1	2	4	25	24S	36E	668471	3562698	731	160		
CP 01132 POD1		CP	LE	3	1	4	25	24S	36E	668211	3562471	995	160		
CP 01132 POD1		CP	LE	1	3	2	25	24S	36E	668082	3562905	1170	160		

**Non Water Bearing
 Geotechnical Data
 Wells**

Average Depth to Water: --
 Minimum Depth: --
 Maximum Depth: --

Record Count: 3

Basin/County Search:

Basin: Capitan County: Lea

UTM/NAD83 Radius Search (in meters):

Easting (X): 669094.427 Northing (Y): 3562316.157 Radius: 1609.3

The data is furnished by the NM OSE 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.

12/1/22 3:39 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

API NUMBER: 30-025-TBD
 Well: C D WOOLWORTH #14
 Location: Twn 24S Rge 37E Sec 30
 Footages: 109 FSL 1249 FWL
 County: Lea

XI. Exhibit D15b

Location For Office of the State Engineer:
 NAD 1983 UTM Zone 13
 Easting (X): **669112.091** mtrs
 Northing (Y): **3561946.806** mtrs

Water Wells Within 1 Mile Radius

**** 0 Active Locations ****



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

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

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

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

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Twn	Rge	X	Y	Distance	Depth Well	Depth Water	Water Column
CP 01132 POD1		CP	LE	1	2	4	25	24S	36E	669471	3562496	955	100		
CP 01132 POD2		CP	LE	3	1	4	25	24S	36E	669111	3562471	1150	100		
CP 01132 POD1		CP	LE	1	3	2	25	24S	36E	669092	3562905	1406	100		
														Average Depth to Water	--
														Minimum Depth	--
														Maximum Depth	--

**Non Water Bearing
 Geotechnical Data
 Wells**

Record Count: 3

Basin/County Search:

Basin: Capital

County: Lea

UTM NAD83 Radius Search (in meters):

Easting (X): 669112

Northing (Y): 3561946.806

Radius: 1609.3

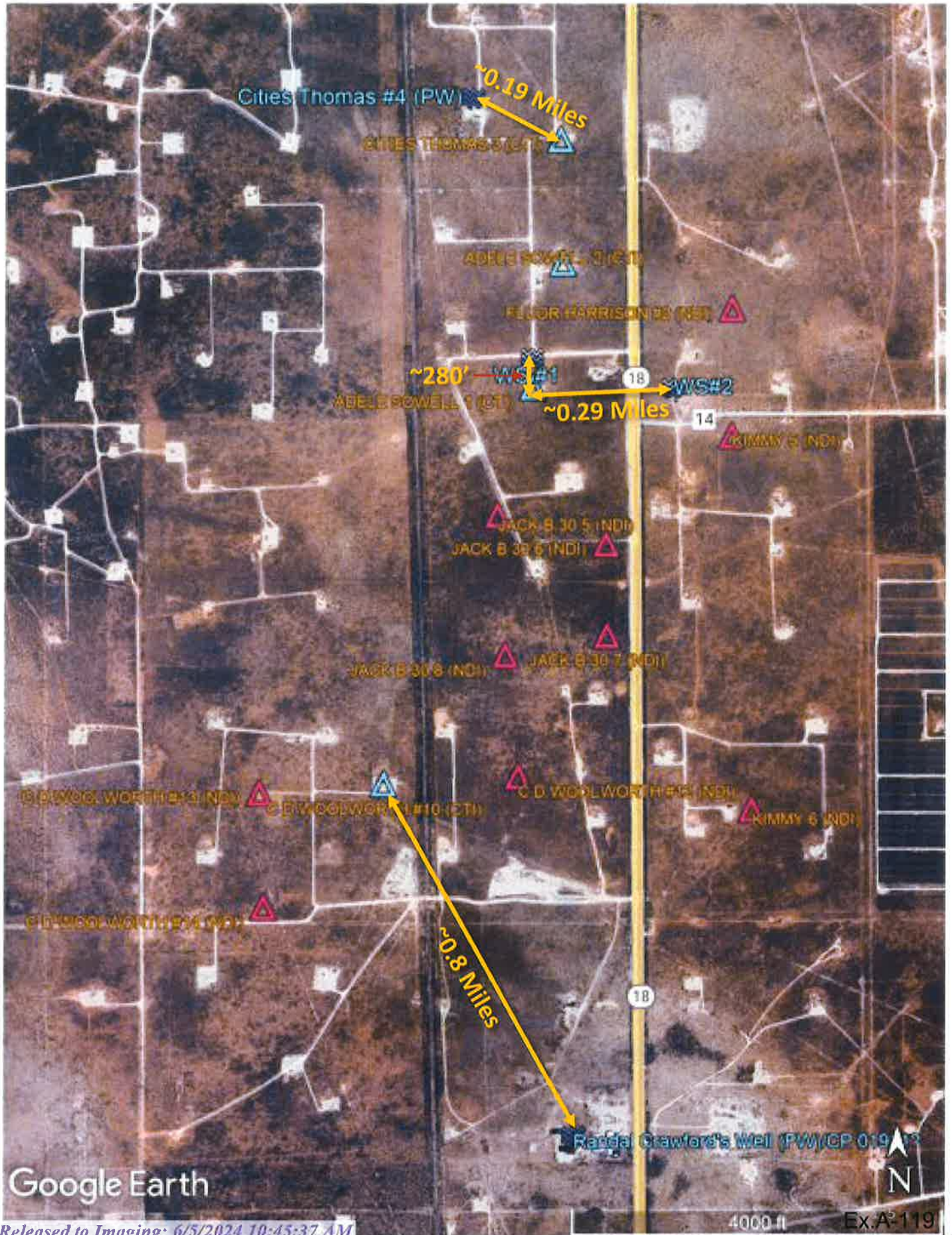
The data is furnished by the NDAOSE ISC and is accepted by the recipient with the expressed understanding that the OSE ISC makes no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

12/1/22 3:45 PM

WATER COLUMN/AVERAGE DEPTH TO WATER

Water Sample Location Map

XI. Exhibit E1



Released to Imaging: 6/5/2024 10:45:37 AM

4000 ft Ex.A-119

XI. Exhibit E2



PHONE (978) 393-2326 • 181 E. MARLAND • HOBBS, NH 03240

October 11, 2021

JAMES MARTINEZ

FORTY ACRES ENERGY

11777 KATY FREEWAY STE. 305 B

HOUSTON, TX 77079

RE: NORTH OF JAL NM

Enclosed are the results of analyses for samples received by the laboratory on 10/07/21 13:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accrred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 557.2	haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celely D. Keene

Lab Director/Quality Manager

XI. Exhibit E2



PHONE (505) 393-2326 • 101 E. MARLAND • HOBBES, NM 86249

Analytical Results For:

FORTY ACRES ENERGY
 JAMES MARTINEZ
 11777 KATY FREEWAY STE. 305 B
 HOUSTON, TX, 77079
 Fax To:

Received:	10/07/2021	Sampling Date:	10/06/2021
Reported:	10/11/2021	Sampling Type:	Water
Project Name:	NORTH OF JAL NM	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SOUTH OF ADELE SOWELL #1 (H212799-01) WS #1 WGS84 Location: 32.197060, -103.196730

Chloride, SM+500Cl-B		mg/L		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	SS	% Recovery	True Value (C)	RSD	Qualifier	
Chloride*	372	4.00	10/08/2021	ND	100	100	100	0.00		
TDS 160.1		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	SS	% Recovery	True Value (C)	RSD	Qualifier	
TDS*	1070	5.00	10/11/2021	ND	252	84.0	300	0.278		

Sample ID: EAST OF ADELE SOWELL #1 (H212799-02) WS #2 WGS84 Location: 32.196149, -103.191839

Chloride, SM+500Cl-B		mg/L		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	SS	% Recovery	True Value (C)	RSD	Qualifier	
Chloride*	160	4.00	10/08/2021	ND	100	100	100	0.00		
TDS 160.1		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	SS	% Recovery	True Value (C)	RSD	Qualifier	
TDS*	809	5.00	10/11/2021	ND	252	84.0	300	0.278		

Sample ID: CITI THOMAS #4 PW (H212799-03) WGS84 Location: 32.204713, -103.198731

Chloride, SM+500Cl-B		mg/L		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	SS	% Recovery	True Value (C)	RSD	Qualifier	
Chloride*	35000	4.00	10/08/2021	ND	100	100	100	0.00		
TDS 160.1		mg/L		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	SS	% Recovery	True Value (C)	RSD	Qualifier	
TDS*	64600	5.00	10/11/2021	ND	252	84.0	300	0.278		

Cardinal Laboratories

*=Accredited Analyte

INQUIRY NOTE: Field and Sample - Cardinal field and client records related to any client strip, whether tested in contact or not, shall be tested in the secure path by client for analysis. All items, including those for negligence and any other claim whatsoever shall be deemed voided unless such is strip and received by Cardinal within 90(90) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage, including without limitation business interruption, loss of use or loss of profits, incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services provided by Cardinal, regardless of whether such claim is a consequence of the described events or otherwise. Results subject to: [https://cardinal.com](#). The report shall not be reproduced except in full with reference to Cardinal Laboratories.

Celely D. Keene

Celely D. Keene, Lab Director/Quality Manager

XI. Exhibit E2



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- Samples not received at proper temperature of 6°C or below.
- Insufficient time to reach temperature.
- Chloride by SM5003-S does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

INTEGRITY, Quality, and Compliance. Cardinal Health and client's customer records for any data entry, whether based in person or via, shall be based in the secure part by client for analysis. All data, including those for regulatory and any other cases whatsoever shall be stored, used, when such is using and stored by Cardinal Health, only (99) days after completion of the applicable process. By its use, client shall Cardinal Health, its products or associated damage, including without limitation business interruption, loss of use or loss of profits, incurred by client or its affiliates, officers or associates arising out of or related to the performance of the services provided by Cardinal regardless of whether such claims are based on any of the above-stated reasons or otherwise. Liability is hereby limited to the extent of the amount of the report. This report is not to be used for any other purpose than for the intended use.

Caley D. Keene, Lab Director/Quality Manager

XI. Exhibit E3



PHONE (575) 393-2326 • 101 E. HARLAND • HOBBS, NM 88240

September 14, 2023

JAMES MARTINEZ

FORTY ACRES ENERGY

11777 KATY FREEWAY STE. 305 B

HOUSTON, TX 77079

RE: NORTH OF JAL NM

Enclosed are the results of analyses for samples received by the laboratory on 09/05/23 15:02.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704598-02-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at:

www.tceq.texas.gov/fielddata/accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V5)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-3	Total Coliform and E. coli (Coliform MFC-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Caley D. Keene".

Caley D. Keene

Lab Director/Quality Manager

XI. Exhibit E3



PHONE (575) 799-2726 • 101 E. MAIN AND • HOBBS, NM 88240

Analytical Results For:

FORTY ACRES ENERGY 11777 KATY FREEWAY STE. 305 B HOUSTON TX, 77079	Project: NORTH OF JAL NM Project Number: BXP Project Manager: JAMES MARTINEZ Est. To:	Reported: 14-Sep-23 09:00
--	--	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PW BXP BAT - 32.160545-103.18391	H234799-01	Wastewater	05-Sep-23 13:00	05-Sep-23 15:02
PW SOUTH OF ETC JAL PLANT 32.1	H234799-02	Wastewater	05-Sep-23 13:20	05-Sep-23 15:02
QT RANDY CRAWFORD 32.174302-	H234799-03	Wastewater	05-Sep-23 14:00	05-Sep-23 15:02



Cardinal Laboratories

*=Accredited Analyte

Method scope, validity and coverage. Cardinal Laboratories and Client's customer remain the only ones responsible for any claim arising whether based in contract or tort, shall be limited to the amount paid by Client for analysis. All claims involving fees for reanalysis of any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within forty (40) days after completion of the applicable service. In no event shall Cardinal be liable for indirect or consequential damage resulting without limitation, business interruption, loss of use or loss of profits incurred by Client or third parties, including or otherwise, arising out of or related to the performance of the services furnished by Cardinal regardless of whether or claim is based primarily or the absence of negligence or otherwise. Results indicated in this report are identified above. This report shall not be reproduced and or distributed without approval of Cardinal Laboratories.

Casey D. Keene, Lab Director/Quality Manager

XI. Exhibit E3



PHONE (575) 997-7326 • 101 E. MARLAND • HOBBBS, NM 88340

Analytical Results For:

FORTY ACRES ENERGY 11777 KATY FREEWAY STE. 305 B HOUSTON TX, 77079	Project: NORTH OF JAL NM Project Number: BXP Project Manager: JAMES MARTINEZ Fax To:	Reported: 14-Sep-23 09:00
--	---	------------------------------



QT RANDY CRAWFORD 32.174302 100.195474
 II234799-03 (Wastewater)

Analyte	Result	MDL	Reporting Unit	Units	Volume	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-------------------	-------	--------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride*	292		4.00	mg/L	1	3090514	AC	06-Sep-23	4500-C18	
TDS*	1090		5.00	mg/L	1	3090701	AC	11-Sep-23	1601	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

XI. Exhibit E3



PHONE (575) 793-7326 • 1101 E. MARLAND • HOBBS, NM 88240

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- nc Samples not received at proper temperature of 6°C or below
- xxx Insufficient time to reach temperature
- Analyte by SM5000-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

☐ = Accredited Analyte

ALL USES, LOCAL AND REMOTE. Cardinal hereby certifies analyses results to any client a copy whether based in contract or not, shall be limited to the amount paid by client for analysis. All cases including those for negligence or any other cause whatsoever shall be deemed covered unless such is waived and consented to by Cardinal either before [or] after completion of the applicable services. It is agreed that Cardinal is liable for negligent or consequential damage resulting without limitation, from any error, loss of data, or loss of profits caused by client or client's activities, affiliates or customers using use of or related to the performance of the services furnished by Cardinal regardless of whether or when it encompasses of business related hours or otherwise. Results subject to Parameter identification. This report shall be deemed void and invalid if not signed and approved by Cardinal's director.

Cately D. Keene, Lab Director/Quality Manager

XI. Exhibit E3

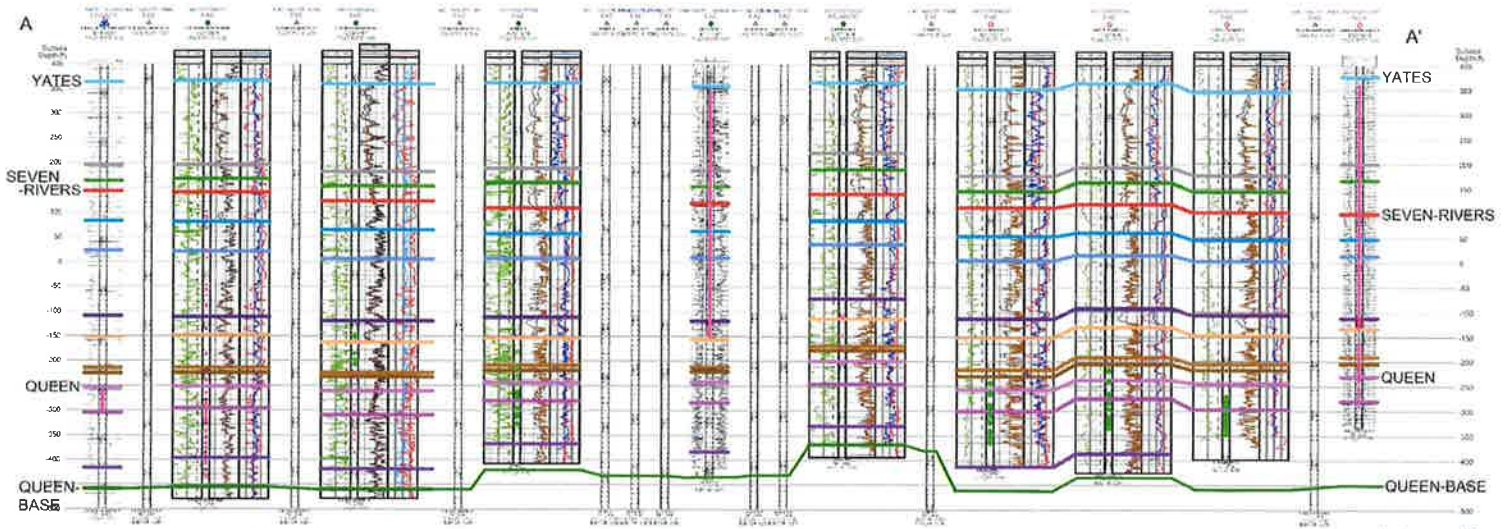


101 East Mainland, Hobbs, NM 88240
 (575) 393-2326 FAX (575) 393-2476

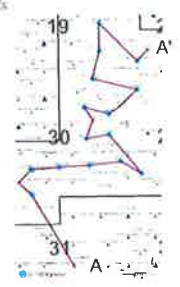
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>For the Kids Energy</u> Project Manager: <u>John's Services</u> Address: <u>Hudson</u> City: _____ State: <u>Tx</u> Zip: _____ Phone #: _____ Fax #: _____ Project #: <u>62P</u> Project Owner: _____ Project Location: <u>N of San</u> Sampler Name: _____		P.O. #: _____ Company: _____ Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____		
Lab ID: <u>H234779</u> Sample ID: <u>19089 dx.</u> <u>32.140545 - 103 0970</u> <u>270 South of 57th St. Hobbs</u> <u>32.140545 - 103.12362</u> 32.174302 - 103.195274 	# GRAB OR # GROUP: _____ # CONTAINERS: _____ MATRIX: <input checked="" type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input type="checkbox"/> SLUDGE <input checked="" type="checkbox"/> OTHER	PRESERV: <input checked="" type="checkbox"/> ACIDBASE <input type="checkbox"/> ICE-COOL <input type="checkbox"/> OTHER	SAMPLING: _____ DATE: <u>9-5-23</u> TIME: <u>1004</u> <u>9-5-23 1204</u> <u>9-5-23 2004</u>	ANALYSIS REQUEST: <u>CL</u> <u>TDS</u>
Relinquished By: _____ Date: <u>9-5-23</u> Received By: _____ Reinstigated By: _____ Time: _____ Delivered By: _____ Date: _____ Sampler: _____ Date: _____ Distance Temp: _____ Corrected Temp: _____	Vertical Results: <input type="checkbox"/> Yes <input type="checkbox"/> No All Results are emailed. Please provide email address: _____ REMARKS: <u>806-470-8078</u> Turnover Time: _____ Temperature: _____ Correction Factor: _____	Sample Condition: _____ Cool/Preserve: _____ CAC/CR/ED By: _____ Standard: _____ Standard Method: _____ Standard: _____ Corrected Temp: _____	All Results are emailed. Please provide email address: _____ Turnover Time: _____ Temperature: _____ Correction Factor: _____ Standard: _____ Standard Method: _____ Standard: _____ Corrected Temp: _____	

1 Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinallab.com



NOTES
*Depths displayed in New Drill Injector (NDI) blank log tracks are estimated KB Elevation values
*KB Elevations are estimated to be +15' from Ground Level Elevations, which are surveyed locations/elevations
*Queen Base marker consists mostly of interpolated depths and is the base of the Unitized Interval for the proposed North Jal Unit



Ex.A-1-130

STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION

APPLICATION OF FAE II OPERATING, LLC
FOR STATUTORY UNITIZATION,
LEA COUNTY, NEW MEXICO.

CASE NO. _____

APPLICATION (RE-FILED)

FAE II Operating, LLC ("FAE" or "Applicant") submits its Application for Statutory Unitization pursuant to the Statutory Unitization Act, NMSA 1978, Sections 70-7-1 to - 21 (the "Act") and the rules of the Oil Conservation Division.

1. Applicant (OGRID No. 329326) is engaged in the business of producing and selling oil and gas as defined in the Act.

2. Applicant's address is 11757 Katy Freeway, Suite 725, Houston, Texas 77079, (832) 706-0041.

3. Applicant is a working interest owner in the proposed North Jal Unit (the "Unit Area"), which comprises 3,154.37 acres of the following federal, state, and fee lands located in Lea County, New Mexico:

Township 24 South, Range 36 East, N.M.P.M.

Section 25: S/2
Section 26: E2SE
Section 35: E2NE
Section 36: ALL

Township 24 South, Range 37 East, N.M.P.M.

Section 19: E/2
Section 20: SW/4, SWNW
Section 29: W/2
Section 30: NE/4, S/2
Section 31: N2NW

Township 25 South, Range 36 East, N.M.P.M.

Section 1: All

4. The "Unitized Formation" is defined as: "That interval underlying the Unit Area, the vertical limits of which extended from an upper limit described as the top of the Yates Formation to a lower limit at the base of the Queen Formation; the geologic markers having been previously found to occur at 2,879 feet and 3,691 feet, respectively, in Skelly Oil Company's Sherrill No. 7 well (later renamed the Langlie Jal Unit #017) API #30-025-11301, located 1,980 feet FSL and 1,930 feet FEL of Section 31, T-24-S, R-37-E, Lea County, New Mexico) as recorded on the Frontier Perforators, Inc., Gamma Ray-Neutron log run on September 1, 1957 and measured from a Kelly Bushing elevation of 3,241 feet above sea level".

5. The Yates-Seven Rivers-Queen reservoir underlying the Unit Area has been reasonably defined by development.

6. Applicant proposes to institute an enhanced oil recovery project (secondary and tertiary recovery) in the Unit Area.

7. The plan of unitization for the Unit Area is embodied in the Unit Agreement, which is attached as Exhibit A. The plan of unitization is fair, reasonable, and equitable, and the participation formula contained therein allocates the produced and saved hydrocarbons to the separately owned tracts in the Unit Area on a fair, reasonable, and equitable basis.

8. The operating plan for the Unit Area, establishing the manner in which the Unit Area will be supervised and managed, and costs allocated and paid, is contained in the Unit Operating Agreement, attached as Exhibit B.

9. The unitized management, operation, and further development of the Yates-Seven Rivers-Queen reservoir underlying the Unit Area is reasonably necessary to effectively conduct

secondary and tertiary recovery operations and to substantially increase the ultimate recovery of oil and gas from the reservoir.

10. The enhanced oil recovery project, as applied to the Yates-Seven Rivers-Queen reservoir underlying the Unit Area, is feasible, will prevent waste, will protect correlative rights, and will result, with reasonable probability, in the increased recovery of substantially more oil and gas from the Yates-Seven Rivers-Queen reservoir than would otherwise be recovered.

11. The estimated additional costs of conducting unitized operations will not exceed the estimated value of the additional oil and gas recovered thereby, plus a reasonable profit.

12. Unitization and approval of the enhanced oil recovery project will benefit the working interest owners and royalty owners in the Yates-Seven Rivers-Queen reservoir underlying the Unit Area.

13. Applicant has made a good faith effort to secure the voluntary unitization of interest owners in the Unit Area.

14. The Bureau of Land Management and New Mexico State Land Office are expected to issue preliminary approval of the unit agreement prior to the hearing.

15. Applicant requests that it be named operator of the Unit Area.

16. Approval of this application will prevent waste and protect correlative rights.

WHEREFORE, applicant requests that this application be set for hearing on July 11, 2024, after notice and hearing, the Division enter its order approving statutory unitization of the Unit Area and designating FAE as operator of the Unit Area.

Respectfully submitted,

PADILLA LAW FIRM, P.A.

/s/ Ernest L. Padilla

ERNEST L. PADILLA

P.O. Box 2523

Santa Fe, NM 87504

Phone: (505) 988-7577

padillalawnm@outlook.com

Counsel for FAE II Operating, LLC

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**APPLICATION OF FAE II OPERATING, LLC
TO CONVERT PRODUCTIN WELLS AND/OR
DRILL NEW INJECTION WELLS FOR
WATERFLOOD OPERATIONS,
LEA COUNTY, NEW MEXICO**

CASE NO. 24605

**APPLICATION OF FAE II OPERATING LLC
FOR STATUTORY UNITIZATION,
LEA COUNTY, NEW MEXICO.**

CASE NO. 24606

**AFFIDAVIT OF JOSEPH KENT REGARDING
NOTICE TO UNIT INTEREST OWNERS
IN SUPPORT OF CASE NOS. 24605 AND 24606**

I JOSEPH KENT as Landman for FAE II Operating, LLC (“FAE”), hereby swear as follows:

1. FAE’s proposed unitization was proposed to each of the working interest owners in the proposed Unit and FAE made a good faith effort to secure the voluntary unitization of interest owners in the Unit Area. FAE identified 348 interest owners in the Unit; and has secured the voluntary agreement of 81.73% or four (4) working interest owners.

2. FAE sent letters by certified mail providing each of the interest owners within the Unitized Formation, with notice of the Application for Statutory Unitization, in this case and the Division hearing on October 5, 2023. A copy of an example notice letter is attached hereto as FAE Exhibit A-8 of Case No. 24606 and Exhibit A-3 of Case No. 24605.

3. Also included in FAE Exhibit A-8 of the Case No. 24606 and Exhibit A-3 of Case No. 24606 is certified mail tracking information from USPS showing the tracking status for each of the hearing notice letters.

Ex.A-3-135

4. In addition to the notice letters, FAE undertook additional good faith efforts to locate and contact each of the uncommitted working interest owners in the Unit. First, FAE started with the last known address of record corresponding to the interest owned with the Unit. From there, FAE also conducted a diligent search of public records in Lea County, including phone directories and computer databases to locate each of the parties owning an interest within the proposed Unit. FAE also has a contracted brokerage company to conduct research to identify and locate mineral owners within the Unit.

5. Notice was also sent by email to those parties for which an email address was located.

6. FAE has maintained detailed records of follow-up emails and phone calls to every working interest owner.

7. Notice was also provided by mail to the Bureau of Land Management and the New Mexico State Land Office.

8. Next, notice was provided by the Oil Conservation Division in compliance with Division Rules.

9. Finally, included in FAE Exhibit A-9 of the Case No. 24606 and Exhibit A-4 of Case No. 24605 is an Affidavit of Publication reflecting that FAE caused notice of the July 11, 2024 hearing on this application to be published at least ten (10) days, to each of the owners in the Unitized Formation, in advance of hearing in the newspaper of general circulation in Lea County.

10. FAE Exhibit A-1 through A-9 of the Case No. 24606 and Exhibit A-1 through A-4 of Case No. 24605 were either prepared by me or compiled under my direction and supervision.

FURTHER AFFIANT SAYETH NOT.

Joseph Kent

JOSEPH KENT

STATE OF TEXAS)
)**ss**
COUNTY OF HARRIS)

SUBSCRIBED AND SWORN TO BEFORE ME, the undersigned authority on this 16
day of August, 2024, by Joseph Kent.

Vanessa Peace

Notary Public in and for the State of Texas

My Commission Expires:
7-24-2026



PADILLA LAW FIRM, P.A.
STREET ADDRESS
 1512 S. ST. FRANCIS DRIVE
 SANTA FE, NM 87505

TELEPHONE
505-988-7577

MAILING ADDRESS
 P.O. BOX 2523
 SANTA FE, NEW MEXICO 87504-2523

FACSIMILE
505-988-7592

EMAIL ADDRESS
padillalawnm@outlook.com

June 5, 2024

CERTIFIED MAIL/RETURN RECEIPT REQUESTED

TO: ALL INTEREST OWNERS

Re: NMOCD Case Number #24605 In the Matter of the Re-filed Application of FAE II Operating, LLC, for Enhanced Oil Recovery Project and to qualify the project for the recovered oil tax rate in Lea County, New Mexico.

NMOCD Case Number #24606 In the Matter of the Re-filed Application of FAE II Operating, LLC, for Statutory Unitization in Lea County, New Mexico.

Ladies and Gentlemen:

This letter is to advise you that the enclosed applications were filed with the New Mexico Oil Conservation Division. The exhibits to the application, which include the Unit Agreement and Unit Operating Agreement, are available at the following website link <https://rb.gy/gx0sj> or at <https://www.emnrd.nm.gov/ocd/ocd-data/ocd-imaging/> under the case numbers.

The hearing is set for July 11, 2024 beginning at 8:15 a.m. The hearing will be conducted in a hybrid fashion, both in-person at Energy, Minerals, Natural Resources Department, Wendell Chino Building, Pecos Hall, 1220 South St. Francis Drive, 1st Floor, Santa Fe, NM 87505 and via the Webex virtual meeting platform. To Participate in the electronic hearing, see the instructions posted on the docket for the hearing date: <https://www.emnrd.nm.gov/ocd/hearing-info/>.

You are not required to attend this hearing, but as an owner of an interest or offset operator that may be affected, you may appear and present testimony. Failure to appear at the time and become a party of record will preclude you from challenging these applications at a later time. If you intend to attend the hearing and present testimony or evidence, you must enter your appearance and serve the Division, counsel for the Applicant, and other parties with a pre-hearing statement at least four business days before the scheduled hearing date in accordance with Division Rule 19.15.4.13.B. This statement must be filed at the Division’s Santa Fe office or submitted through the OCD E-Permitting system <https://wwwapps.emnrd.state.nm.gov/ocd/ocdpermitting>.

If you have questions about this matter, please contact the Forty Acres Land Team at (832) 819- 4699 or info@faenergyus.com.

Very truly yours,

/s/ **Ernest L. Padilla**
 ERNEST L. PADILLA

ELP:jbg
 cc: FAE II Operating, LLC

Ex.A-4-138

NJU Hearing Notice Mailing
June 6, 2024
Certified Mail Receipts - Stamped
C-108

Ex.A-4-139

9589 0710 5270 0131 7069 15

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Certified Mail Fee
 \$ _____

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ _____

Return Receipt (electronic) \$ _____

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage
 \$ _____

Total Post
 \$ _____

Sent To
 Street and _____
 City, State _____

Apache Corporation
2000 Post Oak Blvd, Ste 100
Houston, TX 77056

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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Return Receipt (electronic) \$ _____

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage
 \$ _____

Total Post
 \$ _____

Sent To
 Street and _____
 City, State _____

Bureau of Land Management, New Mexico State Office
301 Dinosaur Trail
Santa Fe, NM 87508

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Return Receipt (hardcopy) \$ _____

Return Receipt (electronic) \$ _____

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage
 \$ _____

Total Post
 \$ _____

Sent To
 Street and _____
 City, State _____

BXP Operating, LLC
11757 Katy Freeway, Ste 475
Houston, TX 77079

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Return Receipt (hardcopy) \$ _____

Return Receipt (electronic) \$ _____

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage
 \$ _____

Total Post
 \$ _____

Sent To
 Street and _____
 City, State _____

Finaly Resources, LLC
16585 PCH, Ste 324
Sunset Beach, CA 90742

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ _____

Return Receipt (electronic) \$ _____

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage
 \$ _____

Total Post
 \$ _____

Sent To
 Street and _____
 City, State _____

Henry H Harrison, Jr
1120 Wilma
Tyler, TX 75701

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ _____

Return Receipt (electronic) \$ _____

Certified Mail Restricted Delivery \$ _____

Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage
 \$ _____

Total Post
 \$ _____

Sent To
 Street and _____
 City, State _____

Jal Public Library Trust Fund
Box 178
Jal, NM 88252

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postmark Here

Postage
\$
Total P
\$

Sent To
James and Christeen Pruett
530 W Hunters Court Way Mustang
Mustang, OK 73064

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postmark Here

Postage
\$
Total P
\$

Sent To
Legacy Reserves Operating, LP
15 Smith Rd, Ste 3000
Midland, TX 79705

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postmark Here

Postage
\$
Total F
\$

Sent To
McDonnold Operating, Inc.
505 N Big Spring, Ste 204
Midland, TX 79701

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 0131 7070 04

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
 Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postmark Here

Postage
\$
Total I
\$

Sent To
Petroleum Exploration Company, Ltd,
Limited P
PO Box 548
Breckenridge, TX 76424

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 0131 7070 11

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
 Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postmark Here

Postage
\$
Total Po
\$

Sent To
Ronald Harrison
739 Parkway Blvd
Coppell, TX 75019

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 0131 7070 28

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
 Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee	\$
Extra Services & Fees (check box, add fee as appropriate)	
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postmark Here

Postage
\$
Total
\$

Sent To
RRR Land & Cattle Co.
2001 Barberrry Rd
Roswell, NM 88201

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

FLYWOOD POST OFFICE
 JUN 2024
 HOUSTON, TX 75019

Ex.A-4-141

9589 0710 5270 0131 7070 35

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee
 \$ _____

Extra Services & Fees (check box, add fee as appropriate)

<input type="checkbox"/> Return Receipt (hardcopy)	\$ _____
<input type="checkbox"/> Return Receipt (electronic)	\$ _____
<input type="checkbox"/> Certified Mail Restricted Delivery	\$ _____
<input type="checkbox"/> Adult Signature Required	\$ _____
<input type="checkbox"/> Adult Signature Restricted Delivery	\$ _____

Postage
 \$ _____

Total
 \$ _____

Sent

Street

City

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

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

Postmark Here
 JUN 2024

NJU Hearing Notice Mailing

June 6, 2024

Returned Green Cards

C-108


Ex.A-4-143


SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete Items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature X <i>[Signature]</i></p> <p>B. Received by (Printed Name) <i>[Signature]</i></p>	<p><input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>C. Date of Delivery <i>6/10/24</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p style="text-align: center;">Apache Corporation 2000 Post Oak Blvd, Ste 100 Houston, TX 77056</p>		
<p>2. Article Number (Transfer from service label)</p> <p>9589 0710 5270 0131 7069 15</p>	<p>Service Type</p> <p><input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Restricted Delivery</p> <p>Restricted Delivery</p>	
<p>PS Form 3811, July 2020 PSN 7530-02-000-9053</p> <p style="text-align: right;">Domestic Return Receipt</p>		


SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete Items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature X <i>R Duran</i></p> <p>B. Received by (Printed Name) <i>[Signature]</i></p>	<p><input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>C. Date of Delivery <i>6-10-24</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p style="text-align: center;">Bureau of Land Management, New Mexico State Office 301 Dinosaur Trail Santa Fe, NM 87508</p>		
<p>2. Article Number (Transfer from service label)</p> <p>9589 0710 5270 0131 7069 22</p>	<p>3. Service Type</p> <p><input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Restricted Delivery</p> <p>Restricted Delivery</p>	
<p>PS Form 3811, July 2020 PSN 7530-02-000-9053</p> <p style="text-align: right;">Domestic Return Receipt</p>		

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete Items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature X <i>[Signature]</i></p> <p>B. Received by (Printed Name) <i>[Signature]</i></p>	<p><input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>C. Date of Delivery</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p style="text-align: center;">BXP Operating, LLC 11757 Katy Freeway, Ste 475 Houston, TX 77079</p>		
<p>2. Article Number (Transfer from service label)</p> <p>9589 0710 5270 0131 7069 78</p>	<p>3. Service Type</p> <p><input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Restricted Delivery</p>	
<p>PS Form 3811, July 2020 PSN 7530-02-000-9053</p> <p style="text-align: right;">Domestic Return Receipt</p>		

Ex.A-4-144

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY												
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature x <i>Iris L.</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Iris L.</i></p> <p>C. Date of Delivery <i>6/11/24</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No</p>												
<p>1. Article Addressed to:</p> <p style="text-align: center;">Finaly Resources, LLC 16585 PCH, Ste 324 Sunset Beach, CA 90742</p>													
 9590 9402 7561 2098 2386 58	<p>3. Service Type</p> <table border="0"> <tr> <td><input type="checkbox"/> Adult Signature</td> <td><input type="checkbox"/> Priority Mail Express®</td> </tr> <tr> <td><input type="checkbox"/> Adult Signature Restricted Delivery</td> <td><input type="checkbox"/> Registered Mail™</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail®</td> <td><input type="checkbox"/> Registered Mail Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail Restricted Delivery</td> <td><input type="checkbox"/> Signature Confirmation™</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery</td> <td><input type="checkbox"/> Signature Confirmation Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery Restricted Delivery</td> <td><input type="checkbox"/> Restricted Delivery</td> </tr> </table>	<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®	<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™	<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery	<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Restricted Delivery
<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®												
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™												
<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery												
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Signature Confirmation™												
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery												
<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Restricted Delivery												
<p>2. Article Number (Transfer from service label)</p> <p>9589 0710 5270 0131 7069 46</p>													
PS Form 3811, July 2020 PSN 7530-02-000-9053													
Domestic Return Receipt													

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY														
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature x <i>Henry H. Harrison, Jr</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>HENRY H. HARRISON, JR</i></p> <p>C. Date of Delivery <i>6/11/24</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No</p>														
<p>1. Article Addressed to:</p> <p style="text-align: center;">Henry H Harrison, Jr 1120 Wilma Tyler, TX 75701</p>															
 9590 9402 7561 2098 2386 41	<p>3. Service Type</p> <table border="0"> <tr> <td><input type="checkbox"/> Adult Signature</td> <td><input type="checkbox"/> Priority Mail Express®</td> </tr> <tr> <td><input type="checkbox"/> Adult Signature Restricted Delivery</td> <td><input type="checkbox"/> Registered Mail™</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail®</td> <td><input type="checkbox"/> Registered Mail Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail Restricted Delivery</td> <td><input type="checkbox"/> Signature Confirmation™</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery</td> <td><input type="checkbox"/> Signature Confirmation Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery Restricted Delivery</td> <td><input type="checkbox"/> Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Insured Mail</td> <td></td> </tr> </table>	<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®	<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™	<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery	<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Restricted Delivery	<input type="checkbox"/> Insured Mail	
<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®														
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™														
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<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Signature Confirmation™														
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery														
<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Restricted Delivery														
<input type="checkbox"/> Insured Mail															
<p>2. Article Number (Transfer from service label)</p> <p>9589 0710 5270 0131 7069 53</p>	<i>Restricted Delivery</i>														
PS Form 3811, July 2020 PSN 7530-02-000-9053															
Domestic Return Receipt															

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature x <i>Silver Melanion</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Silver melanion</i></p> <p>C. Date of Delivery</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to:</p> <p style="text-align: center;">Jal Public Library Trust Fund Box 178 Jal, NM 88252</p>	<p><i>PO BOX 178</i></p> 

Ex.A-4-145

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 		<p>A. Signature <input checked="" type="checkbox"/> <i>James Pruett</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p>	
<p>1. Article Addressed to: James and Christeen Pruett 530 W Hunters Court Way Mustang Mustang, OK 73064</p>		<p>B. Received by (Printed Name) <i>James Pruett</i></p> <p>C. Date of Delivery <i>6/11/24</i></p>	
<p>2. Article Number (Transfer from service label) 9589 0710 5270 0131 7069 77</p>		<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>	
<p>3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery</p>		<p><input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery</p>	
<p>PS Form 3811, July 2020 PSN 7530-02-000-9053</p>		<p>Domestic Return Receipt</p>	

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 		<p>A. Signature <input checked="" type="checkbox"/> <i>Shel Curry</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p>	
<p>1. Article Addressed to: Petroleum Exploration Company, Ltd. Limited P PO Box 548 Breckenridge, TX 76424</p>		<p>B. Received by (Printed Name) <i>SAD CURRY</i></p> <p>C. Date of Delivery <i>6-12-24</i></p>	
<p>2. Article Number (Transfer from service label) 9589 0710 5270 0131 7070 04</p>		<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>	
<p>3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery</p>		<p><input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery</p>	
<p>PS Form 3811, July 2020 PSN 7530-02-000-9053</p>		<p>Domestic Return Receipt</p>	

SENDER: COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 		<p>A. Signature <input checked="" type="checkbox"/> <i>Shel Curry</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p>	
<p>1. Article Addressed to: RRR Land & Cattle Co. 2001 Barberrry Rd Roswell, NM 88201</p>		<p>B. Received by (Printed Name) <i>Shel Curry</i></p> <p>C. Date of Delivery <i>6-18-24</i></p>	
<p>2. Article Number (Transfer from service label) 9590 9402 7561 2098 2382 07</p>		<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No</p>	
<p>3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Collect on Delivery</p>		<p><input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Signature Confirmation Restricted Delivery</p>	
<p>PS Form 3811, July 2020 PSN 7530-02-000-9053</p>		<p>Domestic Return Receipt</p>	

Ex.A-4-146

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY												
<ul style="list-style-type: none"> ■ Complete Items 1, 2, and 3. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) C. Date of Delivery</p>												
<p>1. Article Addressed to:</p> <p style="text-align: center;">State of New Mexico Land Office 310 Old Santa Fe Trail Santa Fe, NM 87501</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>												
<p>2. Article Number (Transfer from service label)</p> <p style="text-align: center;">9589 0710 5270 0131 7070 35</p>	<p>3. Service Type</p> <table border="0"> <tr> <td><input type="checkbox"/> Adult Signature</td> <td><input type="checkbox"/> Priority Mail Express®</td> </tr> <tr> <td><input type="checkbox"/> Adult Signature Restricted Delivery</td> <td><input type="checkbox"/> Registered Mail™</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail®</td> <td><input type="checkbox"/> Registered Mail Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail Restricted Delivery</td> <td><input type="checkbox"/> Signature Confirmation™</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery</td> <td><input type="checkbox"/> Signature Confirmation Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery Restricted Delivery</td> <td></td> </tr> </table>	<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®	<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™	<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery	<input type="checkbox"/> Collect on Delivery Restricted Delivery	
<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®												
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™												
<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery												
<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Signature Confirmation™												
<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery												
<input type="checkbox"/> Collect on Delivery Restricted Delivery													
<p>PS Form 3811, July 2020 PSN 7530-02-000-9053</p>	<p>Domestic Return Receipt</p>												



STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION

APPLICATION OF FAE II OPERATING, LLC
TO CONVERT PRODUCING WELLS AND/OR DRILL NEW
INJECTION WELLS FOR WATERFLOOD
OPERATIONS, LEA COUNTY, NEW MEXICO

CASE NO. 24605

SELF-AFFIRMED STATEMENT OF CHARLES HOOPER

1. I am over 18 years of age and am competent to provide this Self-Affirmed Statement. I have personal knowledge of the matters addressed herein. I am employed by FAE II Operating, LLC ("FAE") as a geologist. I am familiar with the Application in this case and with the geology matters pertaining to this Application. I have previously testified before the New Mexico Oil Conservation Division ("Division"), and my credentials as an expert in petroleum geology matters were accepted and made a matter of record. A copy of my curriculum vitae is attached as **Exhibit B-1**.

2. FAE's application seeks an order: (1) authorizing FAE to convert and/or drill its Cities Thomas #003, Adele Sowell #001 and #002, Kimmy #003, #005 and #006, C D Woolworth #010, #012, #013 and #014, Fluor Harrison #002, Jack B 30 #005, #006, #007 and #008 from producers to injectors within the North Jal Unit ("Unit") as proposed in Statutory Unitization CASE NO. 24606 in the Seven Rivers-Queen formations located in Sections 19, 20, 29 and 30, Township 24 South, Range 37 East, Lea County, New Mexico; and (2) authorizing FAE to convert additional wells within the Unit from producers to injectors into the Yates, Seven Rivers, and/or Queen formations administratively.

3. The legal locations and injection intervals of the wells pertaining to this application are as follows:

Well Name (API)	Location within T24S-R37E	Injection Interval
CITIES THOMAS #003 (API 30-025-25608)	2310 FNL and 660 FEL (Unit H) S19 T24S-37E	3445-3660'
ADELE SOWELL #001 (API 30-025-25630)	330 FSL and 990 FEL (Unit P) S19 T24S-37E	3450-3660'
ADELE SOWELL #002 (API 30-025-25755)	1650 FSL and 660 FEL (Unit I) S19 T24S-37E	3440-3640'
KIMMY #003 (API 30-025-26437)	1650 FSL and 330 FWL (Unit L) S29 T24S-37E	3430-3620'
C D WOOLWORTH #010 (API 30-025-33881)	1400 FSL and 2630 FEL (Unit J) S30 T24S-37E	3450-3670'
C D WOOLWORTH #012 (API 30-025-xxxxx)	1461 FSL and 1210 FEL (Unit I) S30 T24S-37E	3430-3730'
C D WOOLWORTH #013 (API 30-025-xxxxx)	1323 FSL and 1212 FWL (Unit L) S30 T24S-37E	3430-3730'
C D WOOLWORTH #014 (API 30-025-xxxxx)	109 FSL and 1249 FWL (Unit M) S30 T24S-37E	3430-3730'
FLUOR HARRISON #002 (API 30-025-xxxxx)	1158 FSL and 1136 FWL (Unit M) S20 T24S-37E	3400-3700'
JACK B 30 #005 (API 30-025-xxxxx)	1030 FNL and 1416 FEL (Unit B) S30 T24S-37E	3430-3730'
JACK B 30 #006 (API 30-025-xxxxx)	1348 FNL and 250 FEL (Unit H) S30 T24S-37E	3400-3700'
JACK B 30 #007 (API 30-025-xxxxx)	2320 FNL and 248 FEL (Unit H) S30 T24S-37E	3430-3730'
JACK B 30 #008 (API 30-025-xxxxx)	2523 FNL and 1340 FEL (Unit G) S30 T24S-37E	3430-3730'
KIMMY #005 (API 30-025-xxxxx)	201 FNL and 1120 FWL (Unit D) S29 T24S-37E	3400-3700'
KIMMY #006 (API 30-025-xxxxx)	1085 FSL and 1299 FWL (Unit M) S29 T24S-37E	3400-3700'

4. **Exhibit B-2** contains a the specific well log for the “unitized interval,” defined in Unit documentation as the Yates, Seven Rivers, and Queen formations, with upper and lower geologic markers having been previously found to occur at 2,879 feet and 3,691 feet, respectively, in Skelly Oil Company’s Sherrill No. 7 well (later renamed the Langlie Jal Unit #017) API #30-025-11301, located 1,980 feet FSL and 1,930 feet FEL of Section 31, T-24-S, R-37-E, Lea County,

New Mexico) as recorded on the Frontier Perforators, Inc., Gamma Ray-Neutron log run on September 1, 1957 and measured from a Kelly Bushing elevation of 3,241 feet above sea level.

5. Produced water will be injected into and contained within the Yates, Seven Rivers and/or Queen formations, which make up the proposed unitized interval, for the purpose of increasing the ultimate recovery of oil within the Project area interval.

6. **Exhibit B-3** contains a type log, C D Woolworth #005, of the Yates-Seven Rivers-Queen unitized interval. The interval consists primarily of sandstones interbedded with dolomites and anhydrites. The log shows the interval top at 2905' and which is top sealed by a low porosity/low permeability non-oil bearing Tansil anhydrite layer. The bottom of the interval is sealed by a low porosity/low permeability section of the Penrose Formation and Grayburg carbonate, starting at 3726' (base of Queen formation). There is no fracturing and essentially no vugular porosity fabric evident in cores or on the openhole wireline log data. Productive porosity typically ranges from 10% to 20% throughout the interval.

7. **Exhibit B-4** contains a structure map of the Unit. The map shows the structural contours for the top of the Yates formation, measured in subsea true vertical depth (SSTVD). Broadly speaking, the Yates formation in the unit area gently dips to the WSW towards the Delaware Basin, with the exception of a local anticlinal ridge on the western side of the proposed unit area. The Seven Rivers and Queen formations below the Yates follow similar structural profiles.

8. **Exhibit B-5** contains a structural cross-section covering the unit area from NE-SW, of the interval to be unitized, specifically the Yates, Seven Rivers and Queen formations. The cross-section demonstrates the injection interval is consistent and continuous across the target interval underlying the Project area. The cross-section also shows all lands within the proposed

unit contain porous reservoir rock and therefore, all lands within the proposed unit appear capable of contributing additional secondary and tertiary recovery reserves.

9. Accordingly, from geologic studies performed over this area, the project area is well suited for secondary and tertiary recovery operations and will serve as an efficient starting point for step-out development in the future.

10. There are no faults or other geologic impediments that would impede the efficiency of the Project.

11. Based on my professional training and experience, it is my opinion that the proposed injection operations will not impair any hydrocarbon-bearing zones. It is also my opinion that injection fluids will be confined to the injection interval as a result of the stratigraphic confining layers above and below the injection zone.

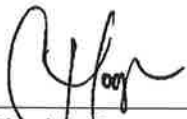
12. **Exhibit B-6a** is a water sample report for two (2) fresh water wells and one (1) produced water battery location in the initial area of development within the proposed unit area. **Exhibit B-6b** is a map of the fresh and produced water sample locations. The fresh water wells are also discussed in the accompanying C-108 documents/case. Generally, fresh water wells reported to the state have maximum depths of 250-350' from the surface. At a depth of 850-1200' from the surface is the top of the Rustler formation (measured at 1100' in the Langlie Jal Unit #017), which is an impermeable anhydrite that acts as a seal (along with the Saldo formation and Tansil formation, totaling 1500'+) below the alluvium strata above, which is assumed to be and treated as entirely fresh water. The two sources of water tested, fresh and produced, are compositionally distinct and hydrologically separate.

13. I have examined the available geological and engineering data and have found no evidence of open faults or hydrological connection between the proposed Yates-Seven Rivers-Queen injection interval and any underground sources of drinking water.

14. The exhibits referenced above were either prepared by me or under my supervision or were compiled from company business records.

15. In my opinion, the granting of FAE's application would serve the interests of conservation, the prevention of waste, and the protection of correlative rights.

16. I understand this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in paragraphs 1 through 15 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date next to my signature below.



Charles Hooper

8/16/2024
Date

CHARLES J. HOOPER**SENIOR GEOLOGIST**

Geologist with 10+ years of experience in extracting value from mature assets via highly detailed reservoir studies, reservoir simulation, and waterflood design. Dual masters' degrees in business and geology provide a unique ability to incorporate technical findings with practical economics to deliver the maximum yield on assets.

WORK EXPERIENCE**Forty Acres Energy, LLC. (2019-present)**

Houston, TX

Senior Geologist

- Produce and refine large-scale reservoir studies of the New Mexico Central Basin Platform utilizing tens of thousands of wells, well logs, completions data, and well histories to analyze potential EOR and workover prospectivity.
- Generate workover opportunities for up to a 10-rig workover program by identifying bypassed and/or partially depleted pay in wells, ranking PDNP opportunities, and working with operations to effectively and efficiently complete wells.
- Evaluate and recommend potential waterflood/EOR projects utilizing reservoir simulation and detailed geologic studies.
- Provide/present technical review presentations for regulatory agencies, investors, and third-party reserves auditors.

Durango Resources Corp. (2012-2019)

Houston, TX

Senior Geologist & Business Development Officer (2016-2019)

- Prospected a horizontal well play and oversaw geosteering for two successful pilot wells in a mature Gulf Coast field; lateral portion of the wells were kept within a 2 ft. window of the targeted reservoir path.
- Played a primary role in identifying, evaluating, valuing, presenting, and securing a capital partner for a \$22MM conventional assets acquisition in the Delaware Basin and Central Basin Platform.
- Generated financial models for PDP valuation, field upside development valuation, and specific investor requests.
- Authored and presented investor presentations covering company highlights, financial models, reservoir characterization, upside potential, and reservoir simulation (via ReservoirGrail).
- Developed and managed a comprehensive prioritized workflow for newly acquired assets to quickly and accurately conduct large-scale reservoir studies (sourcing data, generating databases, correlating stratigraphy, mapping of individual reservoir segments, locating and quantifying current hydrocarbons in place).
- Conducted field development plans utilizing field studies and reservoir simulation to design the most economical approaches for upside exploitation, including recompletions, infill drilling, and waterflood.

Senior Geologist (2016)

- Spearheaded acquisition due diligence, including geologic interpretation audits, reservoir simulation, and upside evaluation on a pre-bid basis.
- Performed field studies in the Gulf Coast Basin and Hardeman Basin (Oklahoma) and due diligence in the Anadarko Basin, Denver Basin, East Texas, Green River Basin, Louisiana salt domes, North Texas, Permian Basin, and Powder River Basin.
- Recommend projects within the company's existing assets such as new-drills, recompletions, re-entries and waterflood/pressure maintenance programs.
- Assisted in proving projects as PDNP/PUD reserves to 3rd party reserves engineers.
- Generated waterflood EOR prospects in mature and abandoned oil fields.
- Oversaw various field operations as "company man" including wireline logging, perforations, and workovers.

Geologist (2013-2016)

- Interpreted well logs, production data, 3D seismic, and other relevant data to create regional and local geologic maps and cross-sections. Map types include fault plane, gross facies, net sand, net pay, structure, porosity, and saturation.
- Utilized reservoir simulation to identify and quantify current-oil-in-place in the company's existing assets.
- Incorporated new data to re-interpret the company's existing field/reservoir studies.

Geologist Intern (2012)

Ex.B-1-153

- Created an Eagle Ford asset report for a public oil company analyzing improvements in drilling and completion techniques, production decline rates and EUR's, and gross revenue scenarios for specific time periods. The report was used as supporting documentation to recommend the sale of the asset.
- Utilized ReservoirGrail software to simulate and analyze horizontal multi-stage well depletion rates.

GrailQuest Corp. (a subsidiary of Durango Resources) (2014-2019)

Houston, TX

Geomodeling Consultant (2014-2019)

- Provided consulting services using ReservoirGrail reservoir simulation software to identify, quantify, and design upside exploitation, including infill drilling, offset drilling, and/or waterflood/EOR applications.
 - Services rendered: regional and local geologic studies, review of geologic and engineering interpretations, reservoir simulation to present conditions, reservoir simulation to design and quantify future field development, real-time waterflood progress feedback, financial modeling, unit participation formulation, and assistance with 3rd party reserves documentation.
- Conducted and updated market analysis for ReservoirGrail, including strengths, weaknesses, competitors, competitive advantages, marketing tactics, promotional ideas, and pricing regimes.
- Assisted in software sales and new user training of ReservoirGrail.
- Conceptualized software enhancements and identified software maintenance needs.

DrillingInfo (2011)

Austin, TX

Energy Strategy Partners Junior Analyst

- Performed geoscience research and data analysis in unconventional plays for play-specific reports.
- Provided troubleshooting, data input, and research for a developmental geologic basin modeling software program which used domestic basins as an analog for international basins.
- Served as Administrator for operator updates and highlights in unconventional plays.

EDUCATION

University of Houston, College of Natural Sciences and Mathematics

Master of Science in Geology, 2015

University of Houston, C. T. Bauer College of Business

Master of Business Administration, 2015

University of Texas at Austin, Jackson School of Geosciences

Bachelor of Science in Geology, 2010

SKILLS

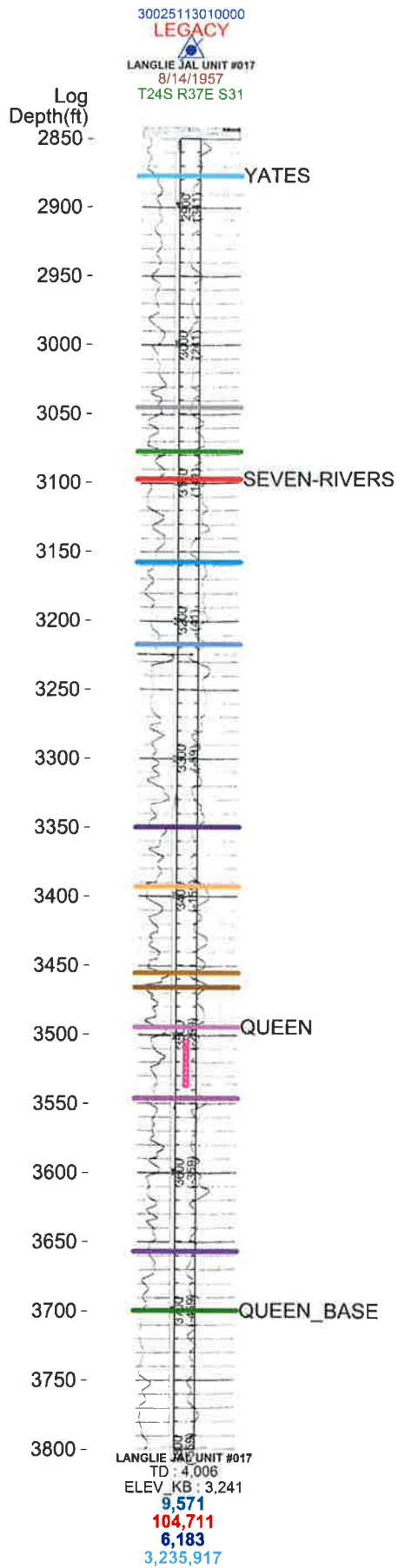
Software

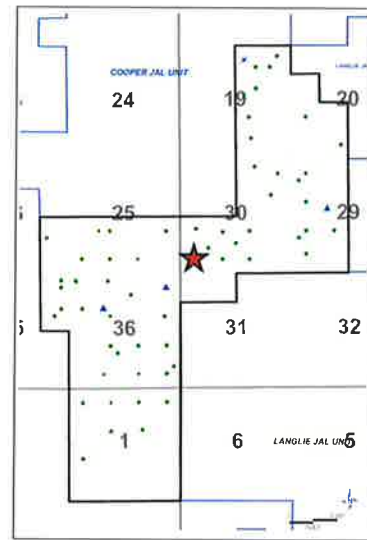
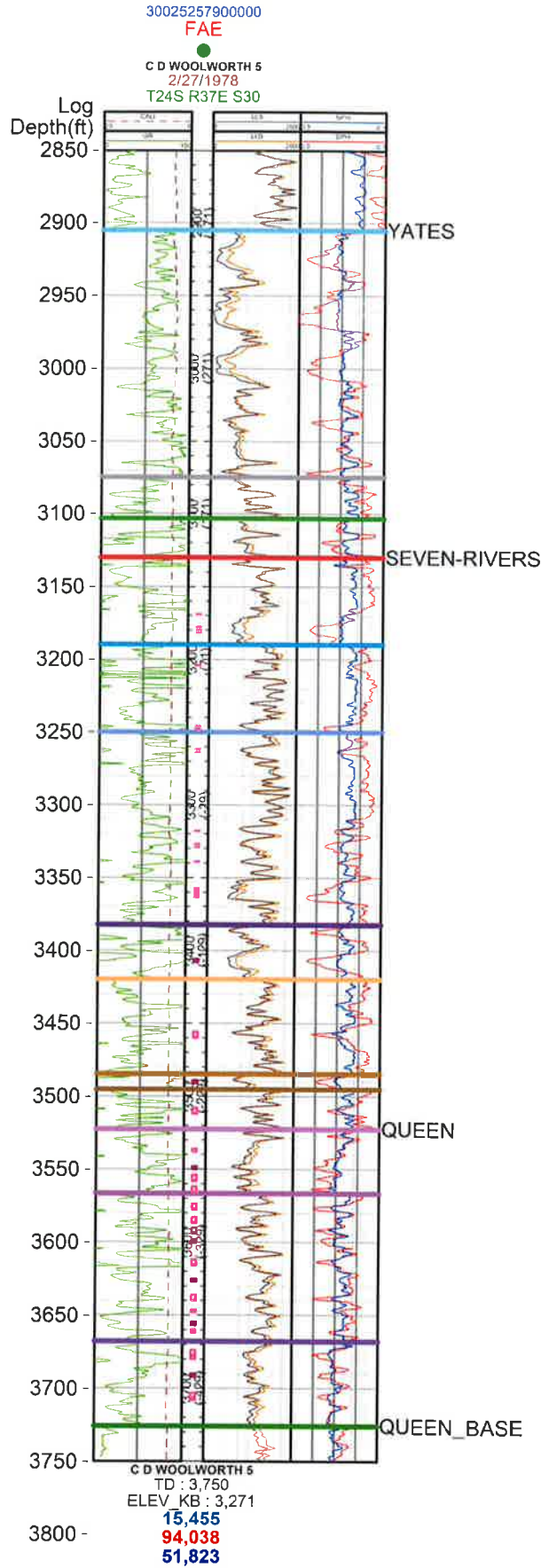
- IHS Petra
- GrailQuest ReservoirGrail
- IHS Kingdom
- Schlumberger Petrel
- Esri ArcGIS
- Golden Software Didger & Surfer
- Paint.net (graphic design)
- Microsoft Office

Geoscience

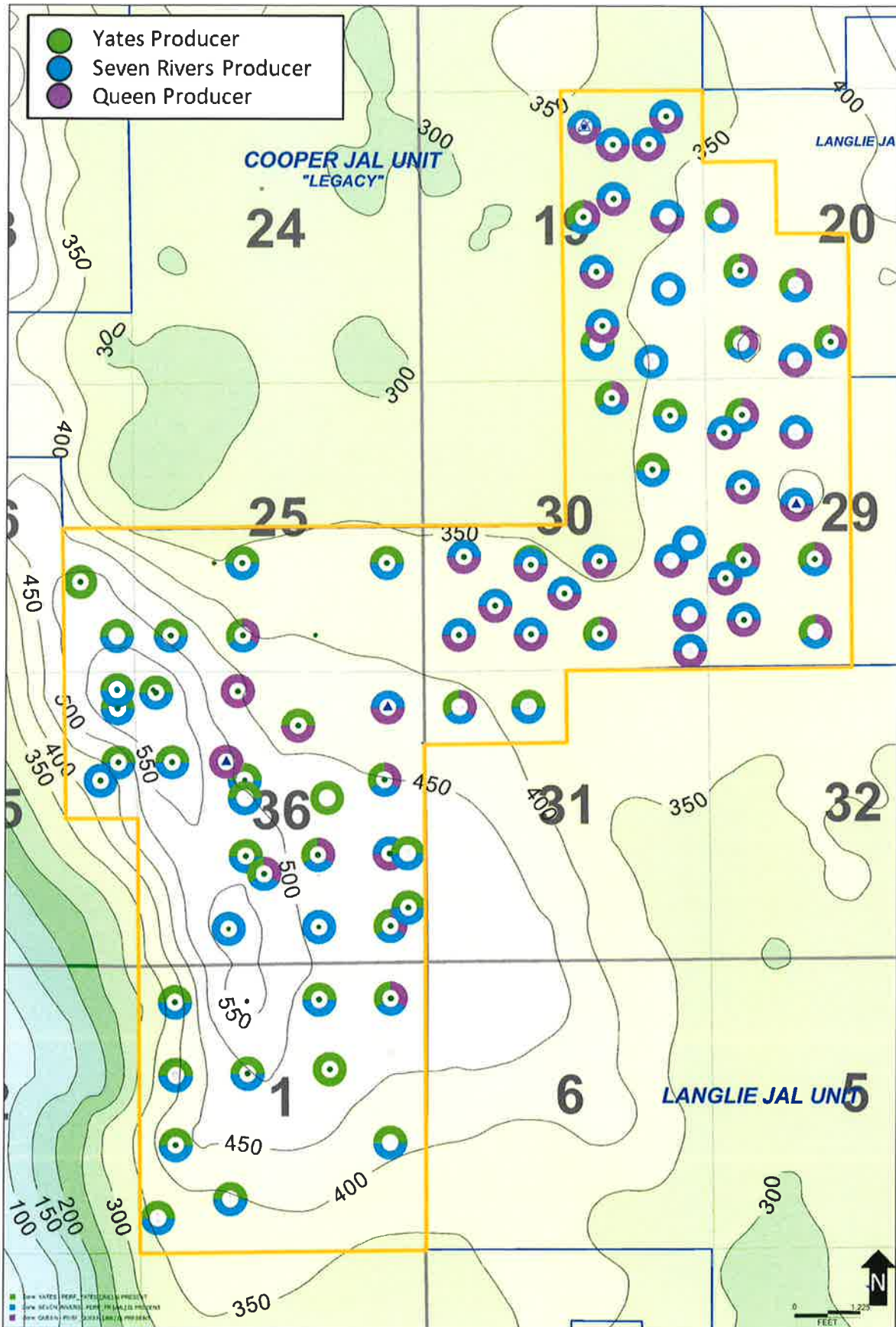
- Reservoir simulation
- Seismic interpretation
- Well log interpretation
- Well history interpretation
- Geologic mapping
- Sequence stratigraphy and sedimentology
- Structural interpretation
- Petroleum systems analysis

Ex.B-1-154

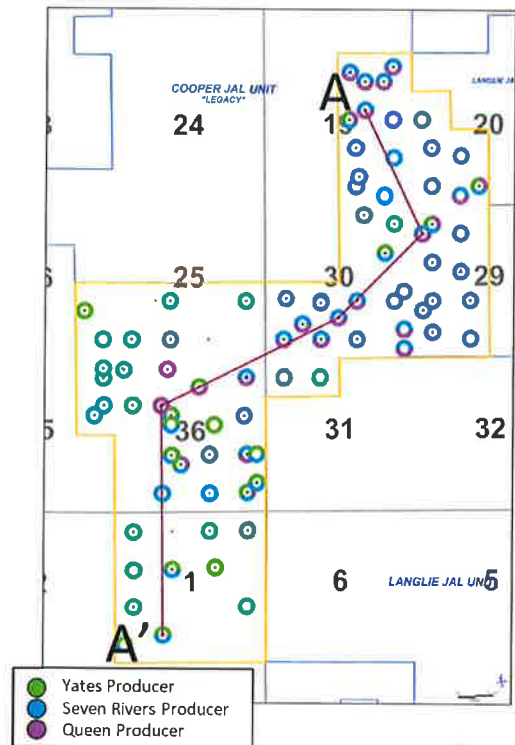
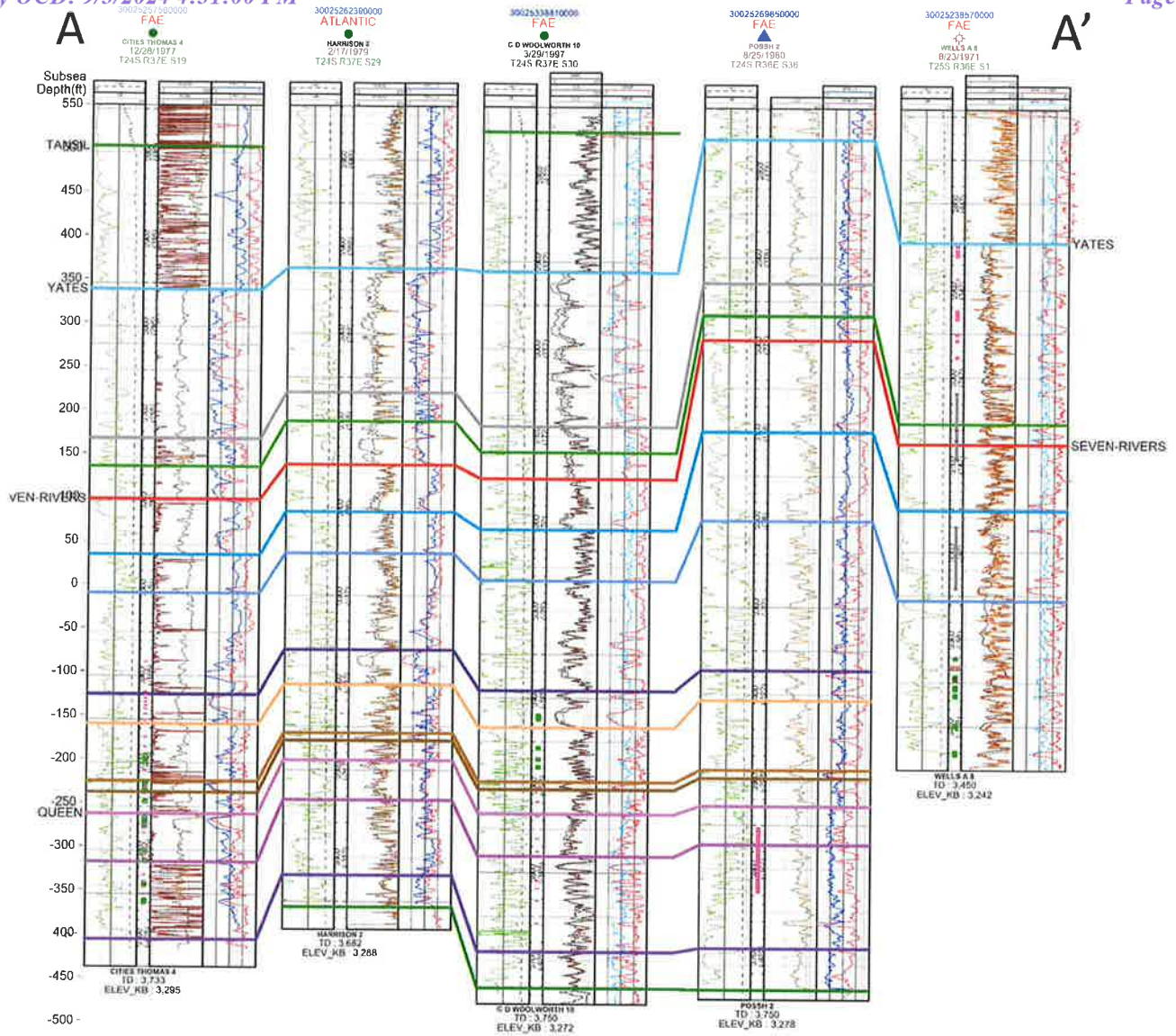




YATES STRUCTURE & COMPLETIONS MAP



Ex.B-4-157



Ex.B-5-158



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

October 11, 2021

JAMES MARTINEZ

FORTY ACRES ENERGY

11777 KATY FREEWAY STE. 305 B

HOUSTON, TX 77079

RE: NORTH OF JAL NM

Enclosed are the results of analyses for samples received by the laboratory on 10/07/21 13:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

Ex.B-6a-159



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

FORTY ACRES ENERGY
 JAMES MARTINEZ
 11777 KATY FREEWAY STE. 305 B
 HOUSTON TX, 77079
 Fax To:

Received:	10/07/2021	Sampling Date:	10/06/2021
Reported:	10/11/2021	Sampling Type:	Water
Project Name:	NORTH OF JAL NM	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SOUTH OF ADELE SOWELL #1 (H212799-01)

Chloride, SM4500CI-B mg/L Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	372	4.00	10/08/2021	ND	100	100	100	0.00	

TDS 160.1 mg/L Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	1070	5.00	10/11/2021	ND	252	84.0	300	0.278	

Sample ID: EAST OF ADELE SOWELL #1 (H212799-02)

Chloride, SM4500CI-B mg/L Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	160	4.00	10/08/2021	ND	100	100	100	0.00	

TDS 160.1 mg/L Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	809	5.00	10/11/2021	ND	252	84.0	300	0.278	

Sample ID: CITI THOMAS #4 PW (H212799-03)

Chloride, SM4500CI-B mg/L Analyzed By: GM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride*	35000	4.00	10/08/2021	ND	100	100	100	0.00	

TDS 160.1 mg/L Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
TDS*	64600	5.00	10/11/2021	ND	252	84.0	300	0.278	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Ex.B-6a-160



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Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Ex.B-6a-161



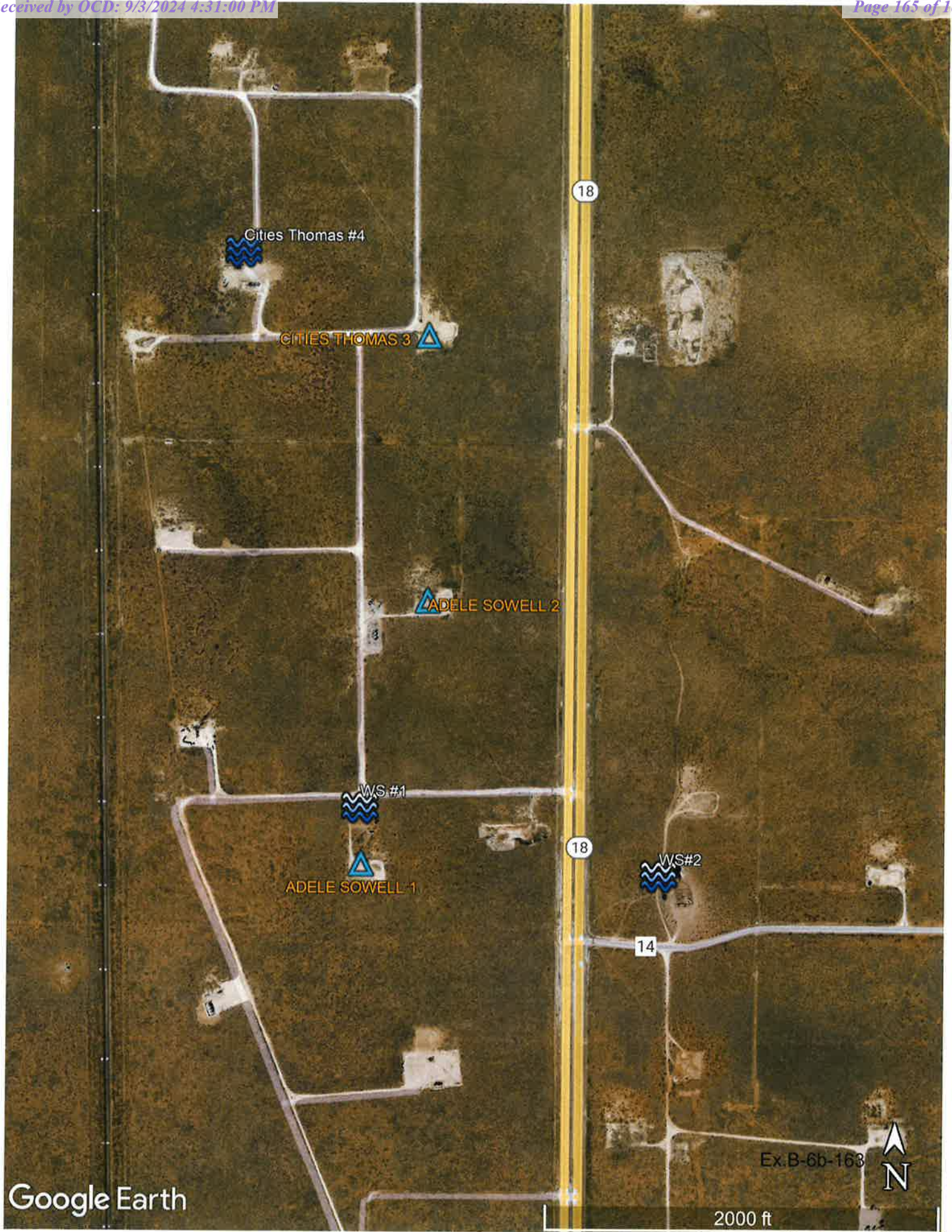
101 East Marland, Hobbs, NM 88240
 (575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Forty Acres Energy Project Manager: James Moore		P.O. #: _____ Company: _____ Address: _____ City: _____ State: TX Zip: _____ Phone #: _____ Fax #: _____ Project Owner: _____ Project Name: North of Jq1 n/m Project Location: _____ Phone #: _____ Zip: _____ Fax #: _____				
Address: _____ City: Hobbs State: TX Zip: _____ Phone #: _____ Fax #: _____ Project #: _____ Project Name: North of Jq1 n/m Project Location: _____ Sample Name: _____ FOR LAB USE ONLY		BILL TO ANALYSIS REQUEST				
Lab I.D. H212799 Sample I.D.	1 South of Adele Sewell #1 2 East of Adele Sewell #1 3 Citi. Thomas #4 PW	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: _____ ACID/BASE ICE / COOL OTHER: _____	DATE 10-6-21 10-6-21 10-6-21	TIME 10:00 AM 10:15 10:30	SPT 2 1	ADD'l Phone #: _____ Bacteria (only) Sample Condition Cool Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NC <input type="checkbox"/>
Relinquished By: _____ Date: 10-6-21 Time: 1:00 PM Received By: Goedi Hunter Date: _____ Time: _____		CHECKED BY: _____ (initials) Turnaround Time: Standard Rush <input type="checkbox"/> Standard <input checked="" type="checkbox"/> Thermometer ID #113 Correction Factor None -0.5°C Bacteria (only) Sample Condition Cool Intact Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NC <input type="checkbox"/>				
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____ Observed Temp. °C 21.0 Corrected Temp. °C 21.1		REMARKS: James@faenergyus.com Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No All Results are emailed. Please provide Email address: _____ Add'l Phone #: _____				

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Ex.B-6a-162



**STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION**

**APPLICATION OF FAE II OPERATING, LLC
TO CONVERT PRODUCING WELLS AND/OR DRILL NEW
INJECTION WELLS FOR WATERFLOOD
OPERATIONS, LEA COUNTY, NEW MEXICO**

CASE NO. 24605

SELF-AFFIRMED STATEMENT OF VANESSA NEAL

1. I am over 18 years of age and am competent to provide this Self-Affirmed Statement. I have personal knowledge of the matters addressed herein. I am the Sr Reservoir Engineer for FAE II Operating, LLC (“FAE”). I am familiar with the Application filed by FAE in this case and with the engineering matters pertaining to this Application. I have previously testified before the New Mexico Oil Conservation Division (“Division”). A copy of my curriculum vitae is attached as **Exhibit C-1**.

2. FAE’s application seeks an order: (1) authorizing FAE to convert and/or drill its Cities Thomas #003, Adele Sowell #001 and #002, Kimmy #003, #005 and #006, C D Woolworth #010, #012, #013 and #014, Fluor Harrison #002, Jack B 30 #005, #006, #007 and #008 from producers to injectors within the North Jal Unit (“Unit”) as proposed in Statutory Unitization CASE NO. 24606 in the Seven Rivers-Queen formations located in Sections 19, 20, 29 and 30, Township 24 South, Range 37 East, Lea County, New Mexico; and (2) authorizing FAE to convert additional wells within the Unit from producers to injectors into the Yates, Seven Rivers, and/or Queen formations administratively.

3. The “unitized interval” was defined in Unit documentation as the Yates, Seven Rivers, and Queen formations, which has a depth of 2,879’ MD and 3,691’ MD, respectively, in Skelly Oil Company’s Sherrill No. 7 well (later renamed the Langlie Jal Unit #017) API #30-025-11301, located 1,980 feet FSL and 1,930 feet FEL of Section 31, T-24-S, R-37-E, Lea County, New

Mexico) as recorded on the Frontier Perforators, Inc., Gamma Ray-Neutron log run on September 1, 1957 and measured from a Kelly Bushing elevation of 3,241 feet above sea level.

4. The legal locations and injection intervals of the wells pertaining to this application are as follows:

Well Name (API)	Location within T24S-R37E	Injection Interval
CITIES THOMAS #003 (API 30-025-25608)	2310 FNL and 660 FEL (Unit H) S19 T24S-37E	3445-3660'
ADELE SOWELL #001 (API 30-025-25630)	330 FSL and 990 FEL (Unit P) S19 T24S-37E	3450-3660'
ADELE SOWELL #002 (API 30-025-25755)	1650 FSL and 660 FEL (Unit I) S19 T24S-37E	3440-3640'
KIMMY #003 (API 30-025-26437)	1650 FSL and 330 FWL (Unit L) S29 T24S-37E	3430-3620'
C D WOOLWORTH #010 (API 30-025-33881)	1400 FSL and 2630 FEL (Unit J) S30 T24S-37E	3450-3670'
C D WOOLWORTH #012 (API 30-025-xxxxx)	1461 FSL and 1210 FEL (Unit I) S30 T24S-37E	3430-3730'
C D WOOLWORTH #013 (API 30-025-xxxxx)	1323 FSL and 1212 FWL (Unit L) S30 T24S-37E	3430-3730'
C D WOOLWORTH #014 (API 30-025-xxxxx)	109 FSL and 1249 FWL (Unit M) S30 T24S-37E	3430-3730'
FLUOR HARRISON #002 (API 30-025-xxxxx)	1158 FSL and 1136 FWL (Unit M) S20 T24S-37E	3400-3700'
JACK B 30 #005 (API 30-025-xxxxx)	1030 FNL and 1416 FEL (Unit B) S30 T24S-37E	3430-3730'
JACK B 30 #006 (API 30-025-xxxxx)	1348 FNL and 250 FEL (Unit H) S30 T24S-37E	3400-3700'
JACK B 30 #007 (API 30-025-xxxxx)	2320 FNL and 248 FEL (Unit H) S30 T24S-37E	3430-3730'
JACK B 30 #008 (API 30-025-xxxxx)	2523 FNL and 1340 FEL (Unit G) S30 T24S-37E	3430-3730'
KIMMY #005 (API 30-025-xxxxx)	201 FNL and 1120 FWL (Unit D) S29 T24S-37E	3400-3700'
KIMMY #006 (API 30-025-xxxxx)	1085 FSL and 1299 FWL (Unit M) S29 T24S-37E	3400-3700'

5. Produced water will be injected into the unitized interval found at the depth interval of 2,879' MD and 3,691' MD shown in Langlie Jal Unit #017, formerly Sherrill No. 7, (API #30-

025-11301) well log for the purpose of increasing the ultimate recovery of oil within the interval underlying the Unit area.

6. Specifications and wellbore schematics for the wells are provided at pages 6-22 of Form C-108. All injection wells will be adequately equipped for injection, and the construction of the wells will protect fresh water and other hydrocarbon-bearing zones.

7. Logging and test data for the wells are provided at pages 83 of Form C-108.

8. The proposed average injection pressure through the wells in the Project Area is expected to be approximately 350-500 psi. The expected maximum injection pressure will be calculated relative to the depth of the highest perforation, using a factor of 0.25 psi/ft. The proposed Project Area wells will have perforation depths between approximately 3400' and 3750' (or 850 psi and 938 psi maximum injection pressure, respectively). Pending results of a step rate test, the maximum injection pressure could potentially be increased to a factor of 0.6 psi/ft (or 2040 psi at 3400' and 2250 psi at 3750').

9. The proposed average injection rate is expected to be approximately 600 barrels of water per day. The maximum daily injection rate will be 1,500 barrels of water per day or as permitted by the Division.

10. FAE proposes to acidize the injectors with 1,500 gals 15% NEFE HCl for each set of perforations. Based on my professional training and experience, it is my professional opinion that acidizing each set of well perforations will break down well perforations and cause injection at lower pressures to maximize injection rates. The injectors will not be sand frac'd to allow for better vertical conformance and areal sweep.

11. **Exhibit C-2** depicts the rate at which production has declined within the Unit from approximately 380 bopd in 1979 to 44 bopd in 2020, an average of 1.2 bopd per well. After acquiring most of the wells within the Unit, FAE increased production to 95 bopd. Based on my

professional training and experience, it is my opinion that the wells in the area will become uneconomic as production continues to decline and will be plugged and abandoned without the introduction of secondary recovery through injection wells.

12. **Exhibit C-3** contains an Incremental Production and Economic Summary of the Unit. The exhibit shows an economic comparison of continuing operations under current conditions with no additional injection support as opposed to commencing secondary recovery operations within the Unit. It is my opinion that commencing injection operations within the Unit would result in an incremental Estimated Ultimate Recovery (EUR) increase of approximately 5.98 MMbbl of oil.

13. **Exhibit C-4** contains an Incremental Production and Economic Summary of the wells pertaining to this application. The exhibit shows an economic comparison of continuing operations under current conditions with no additional injection support as opposed to commencing secondary recovery operations. It is my opinion that commencing injection operations with the wells in this application would result in an incremental Estimated Ultimate Recovery (EUR) increase of approximately 1.46 MMbbl of oil.

14. It is my opinion that injection operations within the Unit are economically and technically feasible and that it is prudent to utilize secondary recovery operations to maximize oil recovery. It is also my opinion that the proposed conversion and/or drilling of the wells from producers to injectors for waterflood operations is not premature.

15. FAE will run an MIT test prior to commencing injection and will monitor pressure during injection.

16. The exhibits referenced above were either prepared by me or under my supervision or were compiled from company business records.

17. In my opinion, the granting of FAE's application would serve the interests of conservation, the prevention of waste, and the protection of correlative rights.

18. I understand this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in paragraphs 1 through 17 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.



Vanessa Neal

08/20/2024
Date

VANESSA GLASS NEAL

979-255-3476 • Houston, TX • vanessa.g.neal@gmail.com

RESERVOIR ENGINEER ADVISOR

Motivated reservoir engineer of integrity with 15+ years experience delivering value to E&P operators in the oil industry. Demonstrated history of servant leadership with excellent interpersonal skills. Proven record of managing projects from concept to completion, building relationships and coaching young professionals to success. Confident hands-on problem solver focused on developing opportunities that further organizational goals.

WORK EXPERIENCE

FORTY ACRES ENERGY LLC

SEPT 2020 – PRESENT

Sr Reservoir Engineer

Houston, TX

- Lead subsurface team in development planning, implementation, surveillance and optimization of multiple waterflood fields in the Central Basin Platform (CBP). Capital projects are identified for improving sweep efficiency and evaluated based on economics. Recommendations are presented to management for approval.
- Reserve management of ~900 wells between two independent entities. Forecast proven developed producing (PDP) reserves of 750+ wells using decline curve analysis (DCA) in PHDWin. Create typecurves for future waterflood development and capture economic value in proven developed non-producing (PDNP), probable (2P) and possible (3P) forecasts. Represent company in annual third-party audits and mid-year bank reviews.
- Manage workover portfolio and plan rig schedule based on capital restrictions and project lead time.
- Collaborate with Land and Legal teams for unitization of two proposed EOR units. Present technical review, development plan, estimated reserves, capital costs and economics of proposed units in BLM/SLO area and depth meetings, working interest owners meeting and NMOCD hearings. Testify as Reservoir Engineering Expert Witness in NMOCD hearings.

SETHLANS ENERGY LLC

MAR – SEPT 2020

Founder | Managing Director | Reservoir Engineer Consultant

Houston/San Antonio, TX

- Collaborated on an interdisciplinary team to evaluate international assets in a \$1.4 Billion acquisition. Generated economic forecasts for 265 wells using DCA in PHDWin database. Conducted technical assessment of portfolio assets provided in virtual data room (VDR), identified upside potential of 9.6 MMBO reserves.
- Directed thermal waterflood development plan for shallow heavy oil field in East Texas with expected 25% incremental secondary recovery. Designed waterflood pilot including waterflood pattern, injector locations, and setting target injection rates. Injection increased field oil production 500% and reduced watercut 13%.

APACHE CORPORATION

NOV 2010 – MAR 2020

Reservoir Engineer III – North American Unconventional Resources

San Antonio, TX

- Led asset teams to increase internal communication and cooperation. Broke down silo walls and united subsurface team in development plans and recommendations. Directed technical team analysis of innovative ways to optimized horizontal well development by altering well spacing, wellbore orientation and completion design. Reduced development costs by 50%, minimized offset frac hits, reduced well hit recovery time from 4 months to 2 weeks, and increased individual well reserves up to 43%.
- Modeled horizontal wells in Harmony and CMG. Used rate-transient analysis (RTA) to estimate minimum drainage areas of hydraulically fraced wells. Anchored DCA to simulated forecasts. Audited economics in ARIES and ran sensitivities with planning group. Generated type-curves for Delaware Basin exploration in shale gas plays with high-yield condensate. Populated inventory with Tier I, II, and III well locations.
- Evaluated offsetting Delaware Basin acreage for pending land deals. Analyzed public data of surrounding acreage to estimate initial rates, reserves, development costs and overall value of assets.

Reservoir Engineer II, III – Improved Recovery

Houston, TX

- Conducted technical assessments of existing assets in company's portfolio through reservoir simulation. Modeled fields to optimize mature and develop immature waterfloods. Investigated historical performance and prompted field (re)development scenarios in Egypt, North Sea, Permian Basin (Midland & Central Basin Platform), Anadarko Basin, and the Gulf of Mexico (GOM) Shelf and State Waters. Prepared technical reports of asset assessments and presented optimization projects totaling 82.5 MMBO incremental reserves.
- Directed Apache's 2018 Summer Field Engineering Intern Program for 16 petroleum engineers. Piloted office engineering mentor program and made return offer recommendations. Supported 2014-2017 Summer Engineering Intern Programs. Utilized Excel/VBA to streamline ranking process, reducing manager selection meetings length from more than 6 hours down to 2 hours.

Ex.C-1-169

- Mentored and trained rotating engineers and interns in various modeling software, waterflood evaluation, field development and forecasting. Guided them in individual project evaluation and optimization planning.
- Assessed the effects of longitudinal and transverse hydraulic fractures on a horizontal producer in an Egyptian waterflooded field. Showcased optimum location for supporting injectors with Eclipse.

Reservoir Engineer I – Engineering Development Program

Houston/Midland, TX

- Planned development of Midland Basin field to maximize potential based on reservoir drainage and permeability trends. Gained approval to drill five locations and upgrade facilities, total EUR 400 MBO, 2.1 BCF and 350 MBNGL.
- Utilized ARIES to perform economic evaluation on workover and recompletion projects in Argentina fields. Forecasted base line production using DCA in ARIES database for annual budget planning.
- Evaluated economics of a GOM Deepwater prospect on open acreage and recommended bid for upcoming lease sale. Apache was high bidder and was awarded the block.
- Performed technical lookback on infill drilling program in mature Permian waterflood field to identify reason(s) for economic failure. Identified reason for economic failure and proposed recommendations for correction. Executed projects with 287 MBO incremental reserves.

MARINER ENERGY INC

JUL 2007 – NOV 2010

Associate Production Engineer

Houston, TX

- Managed production of multiple offshore fields on the Eastern GOM Shelf. Identified severe paraffin issues and implemented routine well and pipeline maintenance programs which resulted in 200 BOPD increased production and 2,000 BWIPD increased salt-water disposal (SWD) capacity.
- Evaluated behind pipe potential within an interdisciplinary asset team to identify capital and LOE projects. Prepared procedures, AFEs, and oversaw workovers and recompletions to increase production 300 BOPD.

BAKER HUGHES INTEQ

JUL 2006 – JUN 2007

MWD Operator III

Broussard, LA

- Traveled to onshore and offshore rigs to operate downhole logging and measurement tools while drilling (LWD/MWD). Prioritized safety while in the field to avoid injuries and reduce lost time incidents (LTI). Decoded tool signals to provide clients with real-time downhole conditions and logs while drilling.
- Developed MS Excel calculator for MWD battery-powered tools which increased accuracy of battery life tracker, reduced premature tripping and prevented data loss from battery power expiration.

EDUCATION & CERTIFICATIONS

PMP, PROJECT MANAGEMENT INSTITUTE 2020

- PMP Number: 2804053
- Project Management Institute – Houston Chapter, Member

MBA, UNIVERSITY OF HOUSTON 2018

- Concentration: Leadership Development, Global Management and Human Resources Management
- C.T. Bauer College of Business Dean's Award for Academic Excellence
- National Association of Women MBAs, Member

B.S. OF PETROLEUM ENGINEER, TEXAS A&M UNIVERSITY 2006

- Society of Petroleum Engineers, Student Member

TECHNICAL SKILLS

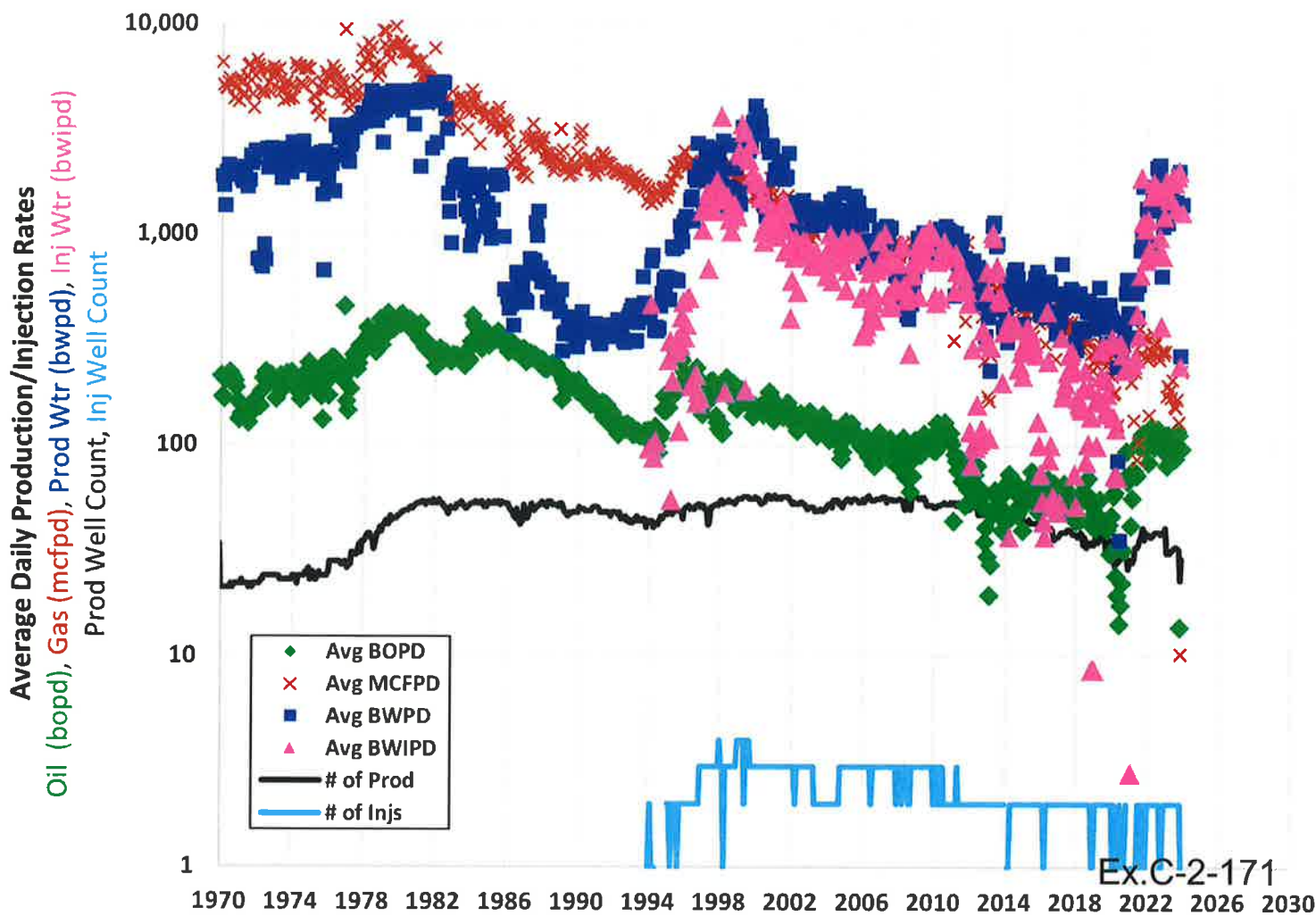
- ARIES ▪ PHDWin ▪ IHS Enerdeg ▪ OFM ▪ Harmony (Fekete) ▪ Expert Witness ▪ MS Office Suite (VBA) ▪ Eclipse ▪ Petrel RE ▪ tNavigator ▪ Reservoir Grail ▪ 3DSL Streamline Surveillance ▪ MBAL ▪ Spotfire ▪

PUBLICATIONS & PRESENTATIONS

- *Improving Waterflood Efficiency by Understanding Pressure Boundaries and Balancing Patterns.* InSite EEGS Suez University Student Chapter Magazine, Feb 2021.
- *Basic Concepts on Waterfloods.* SPE Beirut Section Webinar, 29 Jul 2020.
- *The Role of Surveillance Plots in Diagnosing Waterfloods.* SPE The Way Ahead Magazine, 29 Apr 2020.
- *The Effects of Longitudinal and Transverse Hydraulic Fractures on Horizontal Wells in a Waterflood Setting.* ATF: Apache's Technical Forum, 2014.

Ex.C-1-170

Proposed North Jal (Yates-Seven Rivers-Queen) Unit Historical Production (1970-2023)



Date : 07/23/2024 1:55:46PM

ECONOMIC SUMMARY PROJECTION

NORTH JAL UNIT Field
'As Is' Field Operations

Project Name : FAE II Op LLC_WORKING
Partner : Default
Case Type : REPORT BREAK TOTAL CASE

As Of Date : 01/01/2024
Discount Rate (%) : 10.00
Custom Selection

Cum Oil (Mbbbl) : 2,187.23
Cum Gas (MMcf) : 30,451.59
Cum NGL (Mbbbl) : 153.05

Year	Gross Oil (Mbbbl)	Gross Gas (MMcf)	Gross NGL (Mbbbl)	Net Oil (Mbbbl)	Net Gas (MMcf)	Net NGL (Mbbbl)	Oil Price (\$/bbl)	Gas Price (\$/Mcf)	NGL Price (\$/bbl)	Total Revenue (M\$)
2024	38.55	136.52	16.66	32.18	69.03	13.58	70.44	0.62	31.80	2,741.36
2025	35.94	127.44	15.55	30.02	64.65	12.72	66.64	1.61	30.17	2,488.69
2026	33.94	121.13	14.78	28.33	61.44	12.09	63.62	1.94	28.87	2,270.71
2027	31.99	112.68	13.75	26.69	57.26	11.27	61.65	2.05	28.02	2,078.85
2028	30.44	107.78	13.15	25.39	54.76	10.77	60.52	1.99	27.54	1,942.12
2029	28.58	100.99	12.32	23.88	51.44	10.12	60.52	2.03	27.54	1,828.15
2030	27.22	96.28	11.75	22.73	49.07	9.66	60.52	2.03	27.54	1,741.34
2031	25.98	91.15	11.12	21.69	46.64	9.18	60.52	2.03	27.54	1,659.93
2032	24.89	87.16	10.63	20.78	44.60	8.78	60.52	2.03	27.54	1,589.53
2033	23.74	82.18	10.03	19.81	42.05	8.27	60.52	2.03	27.54	1,512.28
2034	22.73	78.02	9.52	18.97	39.93	7.86	60.52	2.02	27.54	1,444.90
2035	21.77	74.70	9.11	18.17	38.25	7.53	60.52	2.02	27.54	1,383.99
2036	20.93	71.58	8.73	17.46	36.64	7.21	60.52	2.02	27.54	1,329.16
2037	20.02	68.65	8.37	16.70	35.13	6.91	60.52	2.02	27.54	1,271.87
2038	19.21	66.11	8.07	16.02	33.83	6.66	60.52	2.02	27.54	1,221.31
Rem	345.44	1,050.67	128.18	287.79	539.44	106.15	60.52	2.12	27.54	21,482.76
Total	751.36	2,473.05	301.71	626.60	1,264.13	248.75	61.51	1.96	27.99	47,986.96
Ult	2,938.59	32,924.64	454.76							

Year	Well Count	Net Tax Production (M\$)	Net Tax AdValorem (M\$)	Net Investment (M\$)	Net Lease Costs (M\$)	Net Well Costs (M\$)	Other Costs (M\$)	Net Profits (M\$)	Annual Cash Flow (M\$)	Cum Disc. Cash Flow (M\$)
2024	40.00	219.31	41.12	0.00	384.46	0.00	0.00	0.00	2,096.47	2,000.44
2025	37.00	199.09	37.33	0.00	358.92	0.00	0.00	0.00	1,893.35	3,642.61
2026	37.00	181.66	34.06	0.00	358.92	0.00	0.00	0.00	1,696.08	4,980.01
2027	33.00	166.31	31.18	0.00	305.27	0.00	0.00	0.00	1,576.09	6,109.85
2028	32.00	155.37	29.13	0.00	304.16	0.00	0.00	0.00	1,453.46	7,056.99
2029	32.00	146.25	27.42	297.27	289.84	0.00	0.00	0.00	1,067.37	7,697.48
2030	31.00	139.31	26.12	0.00	288.24	0.00	0.00	0.00	1,287.67	8,390.93
2031	30.00	132.79	24.90	118.20	285.71	0.00	0.00	0.00	1,098.33	8,931.38
2032	30.00	127.16	23.84	29.44	284.29	0.00	0.00	0.00	1,124.79	9,431.53
2033	28.00	120.98	22.68	0.00	280.08	0.00	0.00	0.00	1,088.53	9,871.91
2034	27.00	115.59	21.67	39.36	276.86	0.00	0.00	0.00	991.42	10,235.98
2035	26.00	110.72	20.76	19.77	276.01	0.00	0.00	0.00	956.73	10,556.14
2036	26.00	106.33	19.94	0.00	274.32	0.00	0.00	0.00	928.57	10,838.41
2037	25.00	101.75	19.08	54.91	274.11	0.00	0.00	0.00	822.03	11,065.64
2038	25.00	97.70	18.32	29.60	274.11	0.00	0.00	0.00	801.57	11,266.98
Rem.		1,718.62	322.24	1,552.93	7,616.38	0.00	0.00	0.00	10,272.58	1,137.71
Total		3,838.96	719.80	2,141.47	12,131.70	0.00	0.00	0.00	29,155.02	12,404.68

Present Worth Profile (M\$)

Disc. Initial Invest. (M\$) :	0.000	PW 7.00% :	14,951.77
ROI Investment (disc/undisc) :	0.00 / 0.00	PW 8.00% :	13,985.34
Years to Payout :	0.00	PW 9.00% :	13,143.66
Internal ROR (%) :	0.00	PW 10.00% :	12,404.68
		PW 15.00% :	9,752.45
		PW 20.00% :	8,112.64

Date : 07/23/2024 1:47:12PM

ECONOMIC SUMMARY PROJECTION

NORTH JAL UNIT Field

Project Name : FAE II Op LLC_WORKING
 Partner : Default
 Case Type : REPORT BREAK TOTAL CASE

As Of Date : 01/01/2024
 Discount Rate (%) : 10.00
 Custom Selection

Commencing Secondary Recovery w/ Injection

Cum Oil (Mbbbl) : 177.01
 Cum Gas (MMcf) : 8,056.08
 Cum NGL (Mbbbl) : 0.00

Year	Gross Oil (Mbbbl)	Gross Gas (MMcf)	Gross NGL (Mbbbl)	Net Oil (Mbbbl)	Net Gas (MMcf)	Net NGL (Mbbbl)	Oil Price (\$/bbl)	Gas Price (\$/Mcf)	NGL Price (\$/bbl)	Total Revenue (M\$)
2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	5.60	1.40	0.17	4.20	0.65	0.13	67.71	0.00	30.17	288.50
2026	44.81	11.20	1.37	33.61	5.21	1.03	64.69	0.33	28.87	2,205.39
2027	123.27	30.82	3.76	92.46	14.33	2.82	62.72	0.41	28.02	5,883.74
2028	182.10	45.52	5.55	136.57	21.17	4.17	61.59	0.35	27.54	8,533.67
2029	236.96	59.24	7.23	177.72	27.55	5.42	61.59	0.35	27.54	11,104.85
2030	248.93	62.23	7.59	186.70	28.94	5.69	61.59	0.35	27.54	11,665.77
2031	306.76	76.69	9.36	230.07	35.66	7.02	61.59	0.35	27.54	14,375.87
2032	338.87	84.72	10.34	254.15	39.39	7.75	61.59	0.35	27.54	15,880.34
2033	349.97	87.49	10.67	262.48	40.68	8.01	61.59	0.35	27.54	16,400.83
2034	391.90	97.98	11.95	293.93	45.56	8.96	61.59	0.35	27.54	18,365.69
2035	362.64	90.66	11.06	271.98	42.16	8.30	61.59	0.35	27.54	16,994.51
2036	297.91	74.48	9.09	223.44	34.63	6.81	61.59	0.35	27.54	13,961.22
2037	247.86	61.97	7.56	185.90	28.81	5.67	61.59	0.35	27.54	11,615.73
2038	214.33	53.58	6.54	160.75	24.92	4.90	61.59	0.35	27.54	10,044.14
Rem	2,625.91	656.48	80.09	1,969.43	305.26	60.07	61.59	0.35	27.54	123,058.59
Total	5,977.85	1,494.46	182.32	4,483.39	694.92	136.74	61.64	0.35	27.56	280,378.84
Ult	6,154.86	9,550.55	182.32							

Year	Well Count	Net Tax Production (M\$)	Net Tax AdValorem (M\$)	Net Investment (M\$)	Net Lease Costs (M\$)	Net Well Costs (M\$)	Other Costs (M\$)	Net Profits (M\$)	Annual Cash Flow (M\$)	Cum Disc. Cash Flow (M\$)
2024	6.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	12.00	23.08	4.33	7,376.50	26.54	0.00	0.00	0.00	-7,141.95	-6,223.54
2026	17.00	176.43	33.08	6,212.75	82.49	0.00	0.00	0.00	-4,299.36	-9,654.72
2027	19.00	470.70	88.26	3,713.50	143.60	0.00	0.00	0.00	1,467.69	-8,649.94
2028	25.00	682.69	128.01	6,494.50	187.29	0.00	0.00	0.00	1,041.19	-8,017.61
2029	31.00	888.39	166.57	6,302.50	239.94	0.00	0.00	0.00	3,507.45	-5,963.63
2030	39.00	933.26	174.99	8,223.00	296.79	0.00	0.00	0.00	2,037.74	-4,888.63
2031	48.00	1,150.07	215.64	8,034.25	366.65	0.00	0.00	0.00	4,609.26	-2,651.02
2032	54.00	1,270.43	238.21	7,580.00	439.75	0.00	0.00	0.00	6,351.95	157.64
2033	60.00	1,312.07	246.01	7,096.75	493.20	0.00	0.00	0.00	7,252.80	3,065.42
2034	60.00	1,469.26	275.49	0.00	518.40	0.00	0.00	0.00	16,102.55	8,987.49
2035	60.00	1,359.56	254.92	0.00	518.40	0.00	0.00	0.00	14,861.63	13,963.41
2036	60.00	1,116.90	209.42	0.00	518.40	0.00	0.00	0.00	12,116.51	17,651.34
2037	60.00	929.26	174.24	0.00	518.40	0.00	0.00	0.00	9,993.83	20,415.47
2038	60.00	803.53	150.66	0.00	518.40	0.00	0.00	0.00	8,571.54	22,570.37
Rem.		9,844.69	1,845.88	2,353.59	18,131.96	0.00	0.00	0.00	90,882.47	10,345.78
Total		22,430.31	4,205.68	63,387.34	23,000.22	0.00	0.00	0.00	167,355.29	32,916.15

Present Worth Profile (M\$)

Disc. Initial Invest. (M\$) :	36,698.926	PW 7.00% :	51,324.19
ROI Investment (disc/undisc) :	1.90 / 3.74	PW 8.00% :	44,163.79
Years to Payout :	8.97	PW 9.00% :	38,093.76
Internal ROR (%) :	29.46	PW 10.00% :	32,916.15
		PW 15.00% :	15,930.68
		PW 20.00% :	7,242.38

Date : 07/23/2024 4:25:06PM

ECONOMIC SUMMARY PROJECTION

Project Name : FAE II Op LLC_WORKING
 Partner : Default
 Case Type : REPORT BREAK TOTAL CASE

As Of Date : 01/01/2024
 Discount Rate (%) : 10.00
 Custom Selection

NORTH JAL UNIT Field
 Application Wells

Cum Oil (MbbL) : 177.01
 Cum Gas (MMcf) : 4,589.38
 Cum NGL (MbbL) : 0.00

Year	Gross Oil (MbbL)	Gross Gas (MMcf)	Gross NGL (MbbL)	Net Oil (MbbL)	Net Gas (MMcf)	Net NGL (MbbL)	Oil Price (\$/bbl)	Gas Price (\$/Mcf)	NGL Price (\$/bbl)	Total Revenue (M\$)
2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	1.83	0.46	0.06	1.37	0.21	0.04	67.71	0.00	30.17	94.25
2026	29.51	7.38	0.90	22.13	3.43	0.67	64.69	0.33	28.87	1,452.15
2027	97.13	24.28	2.96	72.85	11.29	2.22	62.72	0.41	28.02	4,635.89
2028	144.58	36.15	4.41	108.44	16.81	3.31	61.59	0.35	27.54	6,775.59
2029	168.33	42.08	5.13	126.25	19.57	3.85	61.59	0.35	27.54	7,888.55
2030	129.66	32.41	3.95	97.24	15.07	2.97	61.59	0.35	27.54	6,076.21
2031	94.79	23.70	2.89	71.09	11.02	2.17	61.59	0.35	27.54	4,442.02
2032	74.07	18.52	2.26	55.56	8.61	1.69	61.59	0.35	27.54	3,471.33
2033	60.78	15.19	1.85	45.58	7.07	1.39	61.59	0.35	27.54	2,848.20
2034	51.73	12.93	1.58	38.80	6.01	1.18	61.59	0.35	27.54	2,424.46
2035	45.08	11.27	1.37	33.81	5.24	1.03	61.59	0.35	27.54	2,112.54
2036	40.07	10.02	1.22	30.05	4.66	0.92	61.59	0.35	27.54	1,877.63
2037	35.89	8.97	1.09	26.92	4.17	0.82	61.59	0.35	27.54	1,682.02
2038	32.59	8.15	0.99	24.44	3.79	0.75	61.59	0.35	27.54	1,527.27
Rem	456.56	114.14	13.93	342.42	53.07	10.44	61.59	0.35	27.54	21,395.75
Total	1,462.60	365.65	44.61	1,096.95	170.03	33.46	61.74	0.35	27.60	68,703.87
Ult	1,639.61	4,955.03	44.61							

Year	Well Count	Net Tax Production (M\$)	Net Tax AdValorem (M\$)	Net Investment (M\$)	Net Lease Costs (M\$)	Net Well Costs (M\$)	Other Costs (M\$)	Net Profits (M\$)	Annual Cash Flow (M\$)	Cum Disc. Cash Flow (M\$)
2024	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	10.00	7.54	1.41	6,422.50	22.73	0.00	0.00	0.00	-6,359.93	-5,539.93
2026	13.00	116.17	21.78	4,304.75	65.57	0.00	0.00	0.00	-3,056.12	-7,975.72
2027	14.00	370.87	69.54	2,461.50	108.18	0.00	0.00	0.00	1,625.80	-6,847.87
2028	15.00	542.05	101.63	1,287.25	125.71	0.00	0.00	0.00	4,718.94	-3,802.03
2029	15.00	631.08	118.33	0.00	129.60	0.00	0.00	0.00	7,009.54	352.02
2030	15.00	486.10	91.14	0.00	129.60	0.00	0.00	0.00	5,369.37	3,250.28
2031	15.00	355.36	66.63	0.00	129.60	0.00	0.00	0.00	3,890.43	5,158.70
2032	15.00	277.71	52.07	0.00	129.60	0.00	0.00	0.00	3,011.95	6,501.05
2033	15.00	227.86	42.72	0.00	129.60	0.00	0.00	0.00	2,448.02	7,492.50
2034	15.00	193.96	36.37	0.00	129.60	0.00	0.00	0.00	2,064.53	8,252.50
2035	15.00	169.00	31.69	0.00	129.60	0.00	0.00	0.00	1,782.24	8,848.89
2036	15.00	150.21	28.16	0.00	129.60	0.00	0.00	0.00	1,569.66	9,326.31
2037	15.00	134.56	25.23	0.00	129.60	0.00	0.00	0.00	1,392.63	9,711.31
2038	15.00	122.18	22.91	0.00	129.60	0.00	0.00	0.00	1,252.58	10,026.11
Rem.		1,711.66	320.94	590.40	4,536.00	0.00	0.00	0.00	14,236.75	1,648.44
Total		5,496.31	1,030.56	15,066.40	6,154.20	0.00	0.00	0.00	40,956.41	11,674.55

Present Worth Profile (M\$)

Disc. Initial Invest. (M\$) :	11,635.757	PW 7.00% :	16,482.97
ROI Investment (disc/undisc) :	2.00 / 3.83	PW 8.00% :	14,674.22
Years to Payout :	5.43	PW 9.00% :	13,082.82
Internal ROR (%) :	30.81	PW 10.00% :	11,674.55
		PW 15.00% :	6,576.90
		PW 20.00% :	3,481.33

Date : 07/23/2024 4:25:06PM

ECONOMIC SUMMARY PROJECTION

Project Name : FAE II Op LLC_WORKING
 Partner : Default
 Case Type : REPORT BREAK TOTAL CASE

As Of Date : 01/01/2024
 Discount Rate (%) : 10.00
 Custom Selection

NORTH JAL UNIT Field
 Application Wells

Cum Oil (Mbb) : 177.01
 Cum Gas (MMcf) : 4,589.38
 Cum NGL (Mbb) : 0.00

Year	Gross Oil (Mbb)	Gross Gas (MMcf)	Gross NGL (Mbb)	Net Oil (Mbb)	Net Gas (MMcf)	Net NGL (Mbb)	Oil Price (\$/bbl)	Gas Price (\$/Mcf)	NGL Price (\$/bbl)	Total Revenue (M\$)
2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	1.83	0.46	0.06	1.37	0.21	0.04	67.71	0.00	30.17	94.25
2026	29.51	7.38	0.90	22.13	3.43	0.67	64.69	0.33	28.87	1,452.15
2027	97.13	24.28	2.96	72.85	11.29	2.22	62.72	0.41	28.02	4,635.89
2028	144.58	36.15	4.41	108.44	16.81	3.31	61.59	0.35	27.54	6,775.59
2029	168.33	42.08	5.13	126.25	19.57	3.85	61.59	0.35	27.54	7,888.55
2030	129.66	32.41	3.95	97.24	15.07	2.97	61.59	0.35	27.54	6,076.21
2031	94.79	23.70	2.89	71.09	11.02	2.17	61.59	0.35	27.54	4,442.02
2032	74.07	18.52	2.26	55.56	8.61	1.69	61.59	0.35	27.54	3,471.33
2033	60.78	15.19	1.85	45.58	7.07	1.39	61.59	0.35	27.54	2,848.20
2034	51.73	12.93	1.58	38.80	6.01	1.18	61.59	0.35	27.54	2,424.46
2035	45.08	11.27	1.37	33.81	5.24	1.03	61.59	0.35	27.54	2,112.54
2036	40.07	10.02	1.22	30.05	4.66	0.92	61.59	0.35	27.54	1,877.63
2037	35.89	8.97	1.09	26.92	4.17	0.82	61.59	0.35	27.54	1,682.02
2038	32.59	8.15	0.99	24.44	3.79	0.75	61.59	0.35	27.54	1,527.27
Rem	456.56	114.14	13.93	342.42	53.07	10.44	61.59	0.35	27.54	21,395.75
Total	1,462.60	365.65	44.61	1,096.95	170.03	33.46	61.74	0.35	27.60	68,703.87
Ult	1,639.61	4,955.03	44.61							

Year	Well Count	Net Tax Production (M\$)	Net Tax AdValorem (M\$)	Net Investment (M\$)	Net Lease Costs (M\$)	Net Well Costs (M\$)	Other Costs (M\$)	Net Profits (M\$)	Annual Cash Flow (M\$)	Cum Disc. Cash Flow (M\$)
2024	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	10.00	7.54	1.41	6,422.50	22.73	0.00	0.00	0.00	-6,359.93	-5,539.93
2026	13.00	116.17	21.78	4,304.75	65.57	0.00	0.00	0.00	-3,056.12	-7,975.72
2027	14.00	370.87	69.54	2,461.50	108.18	0.00	0.00	0.00	1,625.80	-6,847.87
2028	15.00	542.05	101.63	1,287.25	125.71	0.00	0.00	0.00	4,718.94	-3,802.03
2029	15.00	631.08	118.33	0.00	129.60	0.00	0.00	0.00	7,009.54	352.02
2030	15.00	486.10	91.14	0.00	129.60	0.00	0.00	0.00	5,369.37	3,250.28
2031	15.00	355.36	66.63	0.00	129.60	0.00	0.00	0.00	3,890.43	5,158.70
2032	15.00	277.71	52.07	0.00	129.60	0.00	0.00	0.00	3,011.95	6,501.05
2033	15.00	227.86	42.72	0.00	129.60	0.00	0.00	0.00	2,448.02	7,492.50
2034	15.00	193.96	36.37	0.00	129.60	0.00	0.00	0.00	2,064.53	8,252.50
2035	15.00	169.00	31.69	0.00	129.60	0.00	0.00	0.00	1,782.24	8,848.89
2036	15.00	150.21	28.16	0.00	129.60	0.00	0.00	0.00	1,569.66	9,326.31
2037	15.00	134.56	25.23	0.00	129.60	0.00	0.00	0.00	1,392.63	9,711.31
2038	15.00	122.18	22.91	0.00	129.60	0.00	0.00	0.00	1,252.58	10,026.11
Rem.		1,711.66	320.94	590.40	4,536.00	0.00	0.00	0.00	14,236.75	1,648.44
Total		5,496.31	1,030.56	15,066.40	6,154.20	0.00	0.00	0.00	40,956.41	11,674.55

Present Worth Profile (M\$)

Disc. Initial Invest. (M\$) :	11,635,757	PW 7.00% :	16,482.97
ROI Investment (disc/undisc) :	2.00 / 3.83	PW 8.00% :	14,674.22
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2031	94.79	23.70	2.89	71.09	11.02	2.17	61.59	0.35	27.54	4,442.02
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2033	60.78	15.19	1.85	45.58	7.07	1.39	61.59	0.35	27.54	2,848.20
2034	51.73	12.93	1.58	38.80	6.01	1.18	61.59	0.35	27.54	2,424.46
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		PW 15.00% :	6,576.90
		PW 20.00% :	3,481.33

**STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION**

**APPLICATION OF FAE II OPERATING, LLC FOR
APPROVAL OF AN ENHANCED OIL RECOVERY
PROJECT AND TO QUALIFY THE PROJECT FOR
THE RECOVERED OIL TAX RATE,
LEA COUNTY, NEW MEXICO.**

CASE NO. 24605

SELF-AFFIRMED STATEMENT

1. I am the attorney in fact and authorized representative of FAE II OPERATING, LLC, the Applicant herein. I have personal knowledge of the matters addressed herein and am competent to provide this self-affirmed statement.

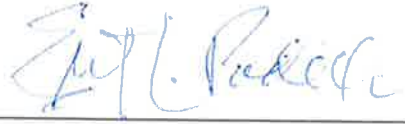
2. Attached hereto as Exhibit A is the Affidavit of Publication showing that publication of the Notice of Hearing was published on June 21, 2024 by the Hobbs News-Sun newspaper.

3. As a result of the published notice no person or entity has entered an appearance in the captioned case.

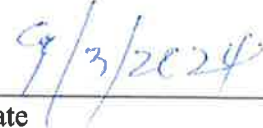
4. I have also reviewed the Exhibit A packet, which contains the Affidavit of Notice signed by Joe Kent. Ordinarily, my law firm would have sent out the notices for hearing of the application in Case 24605 and 24606 but due to the extremely high number of interest owners, FAE sent the notice of hearing under our letterhead, and pursuant to my instructions and supervision, to the interest owners in both Cases 24605 and 24606. My review of the notice packet affirms that notices to all interest owners were accurate and correctly made.

Ex.D-177

5. I affirm under penalty of perjury under the laws of the State of New Mexico that the foregoing statements are true and correct. I understand that this self-affirmed statement will be used as written testimony in this case. This statement is made on the date next to my signature below.



ERNEST L. PADILLA



Date

Affidavit of Publication

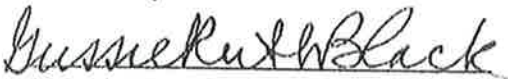
STATE OF NEW MEXICO
COUNTY OF LEA

I, Wade Cavitt, Owner of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
June 21, 2024
and ending with the issue dated
June 21, 2024.


Owner

Sworn and subscribed to before me this
21st day of June 2024.


Business Manager

My commission expires
January 29, 2027

(Seal) STATE OF NEW MEXICO
NOTARY PUBLIC
GUSSIE RUTH BLACK
COMMISSION # 1087528
COMMISSION EXPIRES 01/29/2027

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said publication has been made.

LEGAL NOTICE
June 21, 2024

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT OIL
CONSERVATION DIVISION
SANTA FE, NEW MEXICO

The State of New Mexico through its Oil Conservation Division hereby gives notice pursuant to law and the Rules and Regulations of the Division. The hearing is set for July 11, 2024 beginning at 8:15 a.m. The hearing will be conducted in a hybrid fashion, both in-person at Energy, Minerals, Natural Resources Department, Wendell Chino Building, Pecos Hall, 1220 South St. Francis Drive, 1st Floor, Santa Fe, NM 87505 and via the Webex virtual meeting platform. To participate in the electronic hearing, see the instructions posted on the docket for the hearing date: <https://www.emnrd.nm.gov/ocd/hearing-info/>. For any further additional instructions they are posted on the OCD Hearings website: OCD.Hearings@emnrd.nm.gov. Nonetheless, to stay informed as to any changes for hearing procedures you should consult the OCD website for further instructions. You are not required to attend these hearings, but as an owner of an interest or offset operator that may be affected, you may appear and present testimony. Failure to appear at the time and become a party of record will preclude you from challenging these applications at a later time. If you intend to attend the hearing and present testimony or evidence, you must enter your appearance and serve the Division, counsel for the Applicant, and other parties with a pre-hearing statement at least four business days before the scheduled hearing date in accordance with Division Rule 1211.

STATE OF NEW MEXICO:
All named parties and persons having any right, title, interest or claim in the following case and notice to the public.

(NOTE: All land descriptions herein refer to the New Mexico Principal Meridian whether or not so stated.)

OCD CASE: 24605- Re-filed Application of FAE II Operating, LLC, for Enhanced Oil Recovery Project and to qualify the project for the recovered oil tax rate in Lea County, New Mexico.

This is to notify all interested parties, including, Apache Corporation; Bureau of Land Management, New Mexico State Office; BXP Operating, LLC; Finaly Resources, LLC; Henry H Harrison, Jr; Jnl Public Library Trust Fund; Janos and Christon Pruit; Legacy Reserves Operating, LP; McDonnold Operating, Inc. Petroleum Exploration Company, Ltd. Limited P; Ronald Harrison; RRR Land & Cattle Co.; State of New Mexico Land Office.

Application of FAE II Operating, LLC for Enhanced Oil Recovery Project and to Qualify the Project for the Recovered Oil Tax Rate Lea County, New Mexico. Applicant is a working interest owner in the proposed North Jnl Unit (the "Unit Area"), which comprises 3,154.37 acres of the following federal, state, and fee lands located in Lea County, New Mexico:

Township 24 South, Range 36 East, N.M.P.M.
Section 25: S/2
Section 26: E2SE
Section 35: E2NE
Section 36: ALL

Township 24 South, Range 37 East, N.M.P.M.
Section 19: E/2
Section 20: SW/4, SWNW
Section 29: W/2
Section 30: NE/4, S/2
Section 31: N2NW

Township 25 South, Range 36 East, N.M.P.M.
Section 1: All

The unitized interval extends from the top of the Yates Formation to a lower limit at the base of the Queen Formation. Among the matters to be considered at hearing, pursuant to the New Mexico Statutory Unitization Act, NMSA 1978, §§ 70-7-1 et seq., will be: the necessity of unit operations; the determination of horizontal and vertical limits of the unit area; the determination of the fair, reasonable, and equitable allocation of production and costs of production, including capital investments, to each of the tracts in the unit area; the determination of credits and charges to be made among the working interest owners in the unit area for their investment in wells and equipment; and such other matters as may be necessary and appropriate. The unit area is contored #00291451

EXHIBIT
