

**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

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
<u>WELLBORE SCHEMATIC</u>		<u>WELL CONSTRUCTION DATA</u>		

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

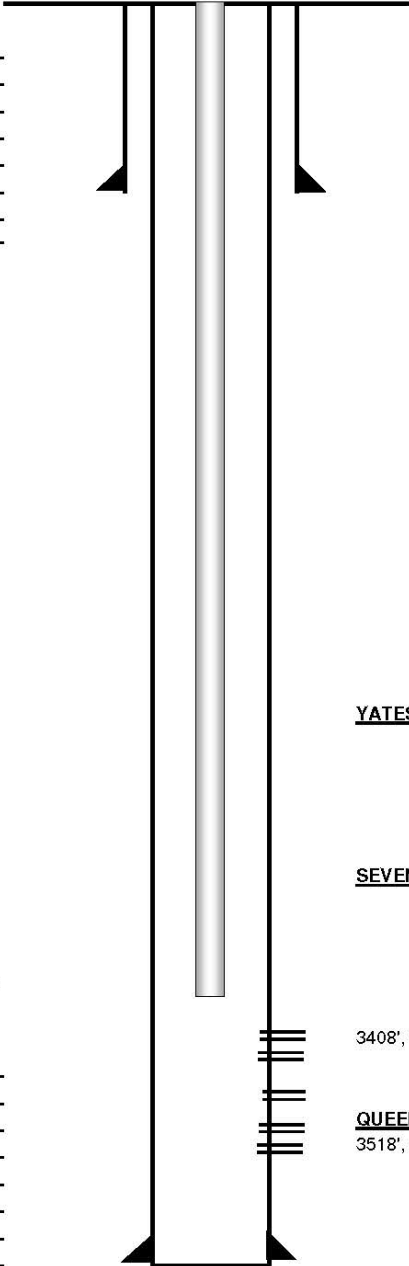
Well Name: CITIES THOMAS #003 Lease No: _____ Lease Type: FEE
 Township: 24S Range: 37-E Sec: 19-H Location: 2310' FNL & 660' FEL
 County: Lea State: NM API: 30-025-25608 Formation: [37240] LANGLEIE MATTIX;7 RVRS-QUEEN-GB

CURRENT

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: 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 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', 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

PBTB 3675'
TD 3700'

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

iii. Well Data
(Well 1 of 15)

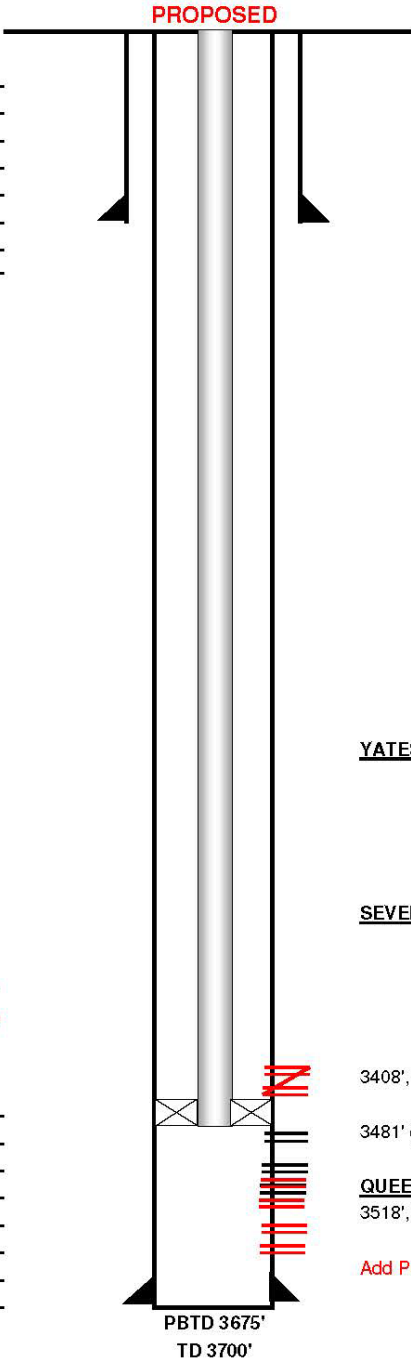
INJECTION WELL DATA SHEET

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] LANGLEIE 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: 3302'
 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: Sqz perms f/ 3408' - 3445', add perms within injection interval & acidize Lwr 7 RVRs & QUEEN perms together w/ total of 5000 gals 15% HCL, 500# rock salt, & 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 @ ~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 @ 2957')

SEVEN RIVERS (Top @ 3199')

2-3/8" IPC Tbg abover 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 waterflood conformance **[PROPOSED]**

Tubulars - Capacities and Performance

2-3/8" 4.7# J-55 8RD 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: F AE 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

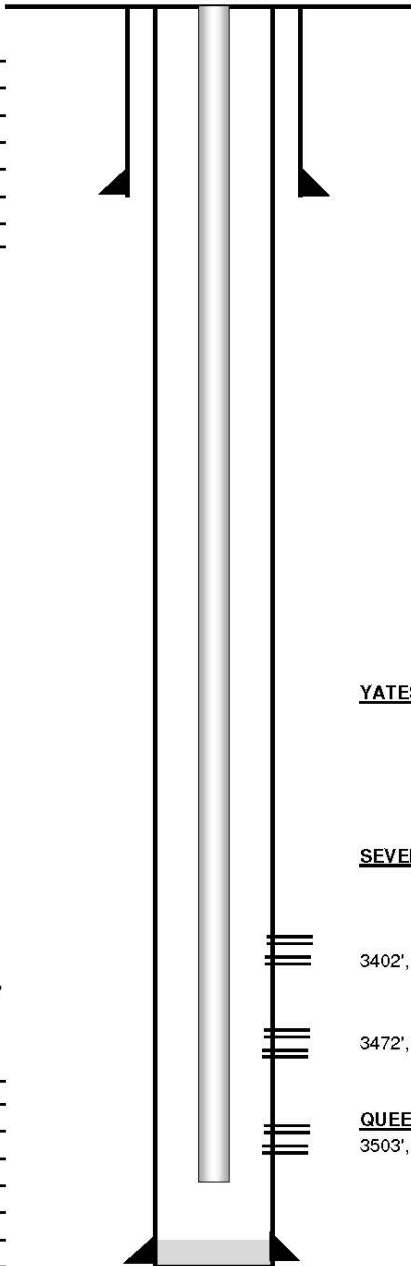
Well Name: ADELE SOWELL #001 Lease No: _____ Lease Type: FEE
 Township: 24S Range: 37-E Sec: 19-P Location: 330 FSL & 990 FEL
 County: Lea State: NM API: 30-025-25630 Formation: [37240] LANGLIE MATTIX;7 RVRS-QUEEN-GB

CURRENT

Surface Csg
 Size: 8-5/8"
 Wt.&Thrd: 28#
 Grade: B ST&C
 Set @: 463'
 Sxs 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: D&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

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

Production Csg
 Size: 4-1/2"
 Wt.&Thrd: 10.5#
 Grade: J-55 ST&C
 Set @: 3699'
 Sxs Cmt: 900 sxs
 Circ: 100 sxs
 TOC: Surface
 Hole Size: 7-7/8"

PBTB 3657'
 TD 3700'

Tubulars - Capacities and Performance	
2-3/8" Tubing (111 its 2-3/8" tbg, SN)	
Rods: 140- 3/4" rods, 2- subs	

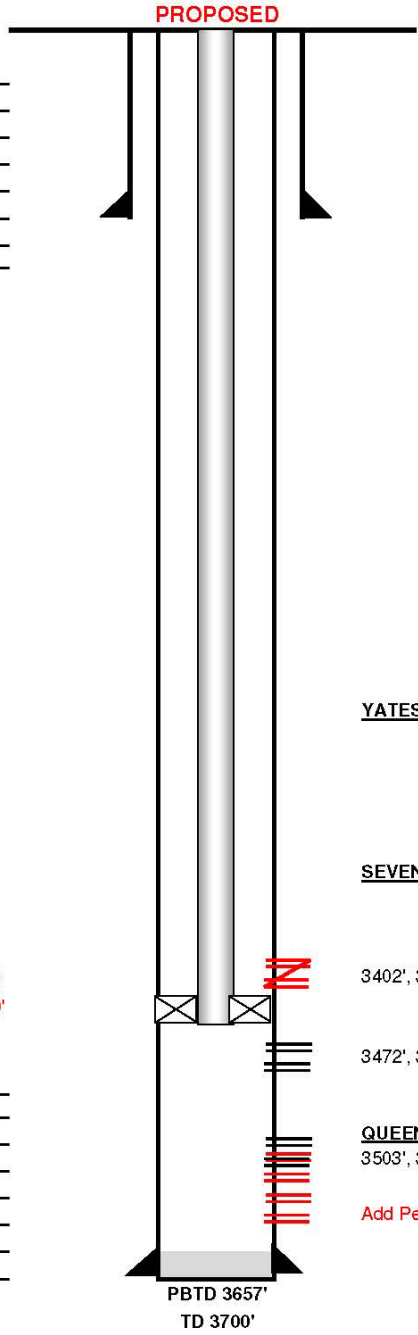
iii. Well Data
(Well 2 of 15)

INJECTION WELL DATA SHEET

Well Name: ADELE SOWELL #001 Lease No: _____ Lease Type: FEE
 Township: 24S Range: 37-E Sec: 19-P Location: 330 FSL & 990 FEL
 County: Lea State: NM API: 30-025-25630 Formation: [37240] LANGLEIE MATTIX;7 RVRs-QUEEN-GB

Surface Csg
 Size: 8-5/8"
 Wt & Thrd: 28#
 Grade: B ST&C
 Set @: 463'
 Sxs 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: D&C well

PROPOSED: Convert to Injector: Sqz perms f/ 3402' - 3436', add perms within injection interval in Upper and Middle QUEEN, acidize together w/ total of 5000 gals 15% HCL, 500# rock salt, & 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 @ ~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 abover pkr
Injection Pkr 3450'

3402', 3406', 3410', 3414', 3418', 3424', 3428', 3432', 3436' (1 SPF) - Oct 1977 [PROPOSE] 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

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 Perfs in Upper & Middle Queen in injection interval (3450'-3660') - [PROPOSED]
Acidize entire injection interval w/ 5000 gals 15% HCL acid, 500# rock salt, 300 BFW

Production Csg
 Size: 4-1/2"
 Wt & Thrd: 10.5#
 Grade: J-55 ST&C
 Set @: 3699'
 Sxs 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, AS1-X Nickel-coated Packer w/ On/Off tool, packer set @ ~3450'

iii. Well Data

INJECTION WELL DATA SHEET

(Well 2 of 15)

OPERATOR: F AE II Operating, LLC

API NUMBER: 30-025-25630

WELL NAME & NUMBER: ADELE SOWELL #1

WELL LOCATION: <u>330 FSL 990 FEL</u>	<u>P</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: 2,935'
- 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: 37-E Sec: 19-I Location: 1650 FSL & 660 FEL
 County: Lea State: NM API: 30-025-25755 Formation: [37240] LANGLIE MATTIX,7 RVRs-QUEEN-GB

CURRENT

Surface Csg
 Size: 8-5/8"
 Wt.&Thrd: 28#
 Grade: B ST&C
 Set @: 468'
 Sxs cmt: 325 sxs
 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
01/1978: D&C well

YATES (Top @ 2930')

SEVEN RIVERS (Top @ 3175')

EOT 3487'

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

3387', 3391', 3394', 3397', 3400', 3403', 3406', 3409', 3412' (1 SPF) - Feb 1978
 Acidized w/ QUEEN 4500 gals 15% MCA; SWF w/ 50,000 gals + 85,000# sand
 3457', 3460', 3463' (1 SPF) - Feb 1978
 Acidized w/ QUEEN 4500 gals 15% MCA; SWF w/ 50,000 gals + 85,000# sand

QUEEN (Top @ 3485')

3485', 3488', 3491', 3494', 3497' (1 SPF) - Feb 1978
 Acidized w/ Lwr 7 RVRs 4500 gals 15% MCA; SWF w/ 50,000 gals + 85,000# sand

PBTD 3680'
 TD 3718'

Tubulars - Capacities and Performance

2-3/8" 4.7# Tubing @ 3,487'

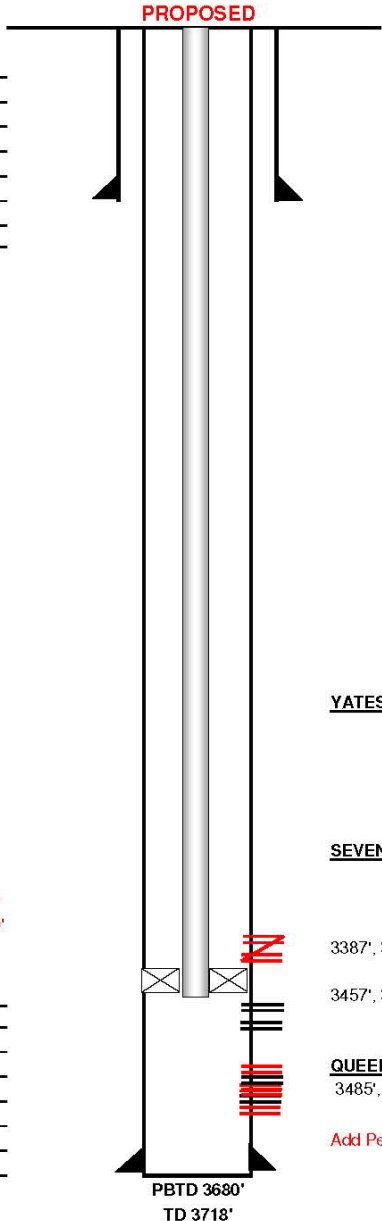
iii. Well Data
(Well 3 of 15)

INJECTION WELL DATA SHEET

Well Name: ADELE SOWELL #002 Lease No: _____ Lease Type: FEE
 Township: 24S Range: 37-E Sec: 19-I Location: 1650 FSL & 660 FEL
 County: Lea State: NM API: 30-025-25755 Formation: [87240] LANGLIE MATTIX,7 RVRs-QUEEN-GB

Surface Csg
 Size: 8-5/8"
 Wt.&Thrd: 28#
 Grade: B ST&C
 Set @: 468'
 Sxs cmt: 325 sxs
 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
01/1978: D&C well
PROPOSED; Convert to Injector: Sqz perfs 1/ 3387' - 3412', acid perfs within injection interval in Upper and Middle QUEEN, acidize together w/ total of 5000 gals 15% HCL, 500# rock salt, & 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 @ ~3430'. Perform MIT test and chart 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 SPF) - Feb 1978 [PROPOSED - SQUEEZE]
 Acidized w/ QUEEN 4500 gals 15% MCA; SWF w/ 50,000 gals + 85,000# sand
 3457', 3460', 3463' (1 SPF) - Feb 1978
 Acidized w/ QUEEN 4500 gals 15% MCA; SWF w/ 50,000 gals + 85,000# sand

QUEEN (Top @ 3485')

3485', 3488', 3491', 3494', 3497' (1 SPF) - Feb 1978
 Acidized w/ Lwr 7 RVRs 4500 gals 15% MCA; SWF w/ 50,000 gals + 85,000# sand
Add Perfs in Upper & Middle Queen in injection interval (3440'-3640') - [PROPOSED]
Acidize entire injection interval w/ 5000 gals 15% HCL acid, 500# rock salt, 300 BFW

2-3/8" IPC Tbg abover pkr
 Injection Pkr 3430'

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

PBTD 3680'
 TD 3718'

Tubulars - Capacities and Performance
2-3/8" 4.7# J-55 8RD EUE Internally Plastic Coated Tubing, AS1-X Nickel-coated Packer w/ On/Off tool, packer set @ ~3430'

iii. Well Data
(Well 3 of 15)

INJECTION WELL DATA SHEET

OPERATOR: F AE II Operating, LLC

API NUMBER: 30-025-25755

WELL NAME & NUMBER: ADELE SOWELL #2

WELL LOCATION: <u>1650 FSL 660 FEL</u>	<u>I</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: 2,930'
- Underlying Oil Zone: Grayburg
 - Depth of Zone: +/- 4,000'

iii. Well Data
(Well 4 of 15)

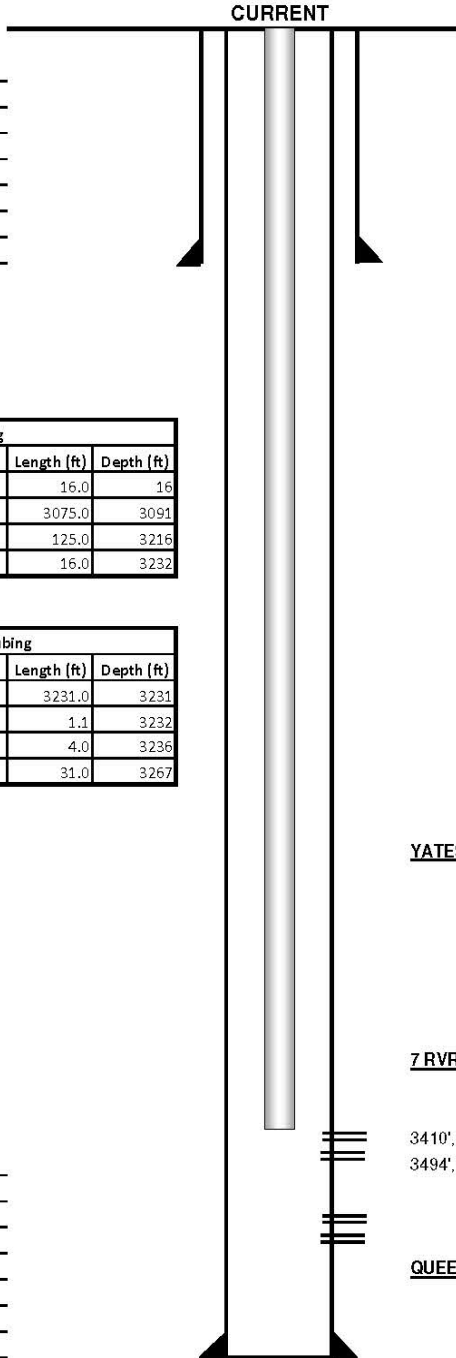
INJECTION WELL DATA SHEET

Well Name: KIMMY #003 API: 30-025-26437 Lease Type: FEE
 Location: 1650' FSL & 330' FWL T-R-Sec-Spot-Lot: 24S-37E-29-L Lease No: _____
 Formation(s): [37240] LANGLE MATTIX;7 RVRS-QUEEN-GRAYBURG County/State: Lea, NM

Surface Csg

Size: 8-5/8"
 Wt.&Thrd: 23#
 Grade: K-55 ST&C
 Set @: 404'
 Sxs cmt: 350 sxs
 Circ: 75 sxs
 TOC: Surface
 Hole Size: 12"

KB: _____
 DF: 3263'
 GL: _____
 Spud Date: 8/23/1979
 Compl. Date: 9/19/1979



Rod String			
	Count	Length (ft)	Depth (ft)
1.25 x 16' PR	1	16.0	16
3/4" D Rods	123	3075.0	3091
1.25" K bars	5	125.0	3216
1.5" x 16' RWBC	1	16.0	3232

Production Tubing			
	Count	Length (ft)	Depth (ft)
2-3/8" tbg	111	3231.0	3231
SN	1	1.1	3232
4' Perf Sub	1	4.0	3236
BPMJ	1	31.0	3267

History - Highlights

09/1979: D&C Well
10/1979: Perforate, acidize & frac Langlie Mattix perforations f/ 3410' - 3510'.
2/2018: Repair tubing leak, RWTP.

YATES (Top @ 2901')

7 RVRS (Top @ 3154')

3410', 3445', 3476' (2 SPF) - October 1979
 3494', 3510' (1 SPF) - October 1979
 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')

Production Csg

Size: 4-1/2"
 Wt.&Thrd: 9.5#
 Grade: K-55 ST&C
 Set @: 3660'
 Sxs Cmt: 700 sxs
 Circ: 15 sxs
 TOC: Surface
 Hole Size: 7-7/8"

PBDT 3609'
 TD 3670'

iii. Well Data
(Well 4 of 15)

INJECTION WELL DATA SHEET

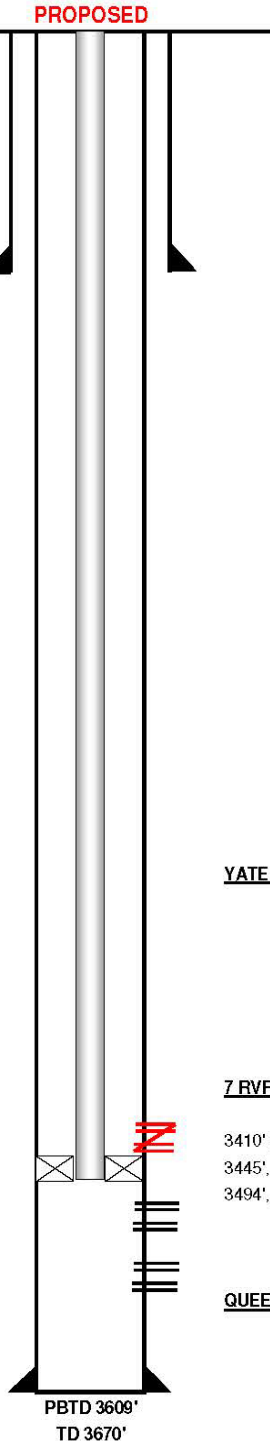
Well Name: KIMMY #003 API: 30-025-26437 Lease Type: FEE
 Location: 1650' FSL & 330' FWL T-R-Sec-Spot-Lot: 24S-37E-29-L Lease No: _____
 Formation(s): [37240] LANGLIE MATTIX;7 RVRS-QUEEN-GRAYBURG County/State: Lea, NM

Surface Csg
 Size: 8-5/8"
 Wt.&Thrd: 23#
 Grade: K-55 ST&C
 Set @: 404'
 Sxs cmt: 350 sxs
 Circ: 75 sxs
 TOC: Surface
 Hole Size: 12"

KB: _____
 DF: 3263'
 GL: _____
 Spud Date: 8/23/1979
 Compl. Date: 9/19/1979

Production Tubing			
	Count	Length (ft)	Depth (ft)
2-3/8" IPC Tbg	~109	3424.0	3424
AS1X Inj Packer	1	6.0	3430

Production Csg
 Size: 4-1/2"
 Wt.&Thrd: 9.5#
 Grade: K-55 ST&C
 Set @: 3660'
 Sxs Cmt: 700 sxs
 Circ: 15 sxs
 TOC: Surface
 Hole Size: 7-7/8"



History - Highlights

09/1979: D&C Well
10/1979: Perforate, acidize & frac Langlie Mattix perforations f/ 3410' - 3510'.
2/2018: Repair tubing leak, RWTP.

PROPOSED: Convert to Injector: Sqz perms @ 3410', acidize existing perforations f/ 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" AS1-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

YATES (Top @ 2901')

7 RVRS (Top @ 3154')

3410' (2 SPF) **[PROPOSED - SQUEEZE]**
 3445', 3476' (2 SPF) - October 1979
 3494', 3510' (1 SPF) - October 1979
 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
 Acidize entire interval w/ 3000 gals 15% NEFE HCL Acid - **PROPOSED**

QUEEN (Top @ 3509')

iii. Well Data
(Well 4 of 15)

INJECTION WELL DATA SHEET

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

CURRENT

Surface Csg

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

KB: _____
 DF: _____
 GL: 3257'
 Spud Date: 3/29/1997
 Compl. Date: 2/8/1998

History - Highlights

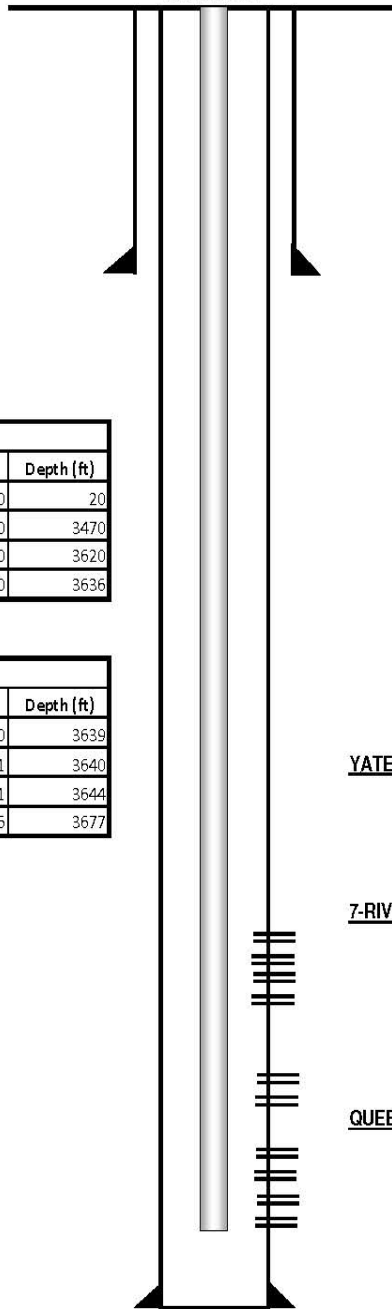
9/27/1997: Perforate Jalmat 3198-3376' 26 holes, acidize w/ 2500 gallons 15 % NEFE acid. Frac perms with 38,872 gal SFG 3000+130,000# 16/30 sand.
9/28/2022: Re-acidized perforations 1/ 3,502' - 3658'. w/ 3000 gals 15% NEFE HCL acid and 600# rock salt in 25 bbls brine water. Flushed with 300 bbls fresh water. RTP.

Rod String			
	Count	Length (ft)	Depth (ft)
1.25 x 20' PR	1	20.0	20
3/4" Rods	138	3450.0	3470
1.5" Sinker K bars	6	150.0	3620
1.5" x 16' 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
BPMJ	1	32.6	3677

Production Csg

Size: 4-1/2"
 Wt.&Thrd: 11.6# LT&C
 Grade: LS
 Set @: 3756'
 Sxs 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)

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 perms w/ 3000 gals 15% NEFE HCL Acid & 600# rock salt, flushed with 300 bbls water.

PBTD 3728'
TD 3756'

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: [33820] JALMAT; TAN-YATES-7 RVRS (OIL)
[37240] LAGLIE MATTIX;7 RVRS-Q-GB

PROPOSED

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

KB: _____
 DF: _____
 GL: 3257'
 Spud Date: 3/29/1997
 Compl. Date: 2/8/1998

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

History - Highlights

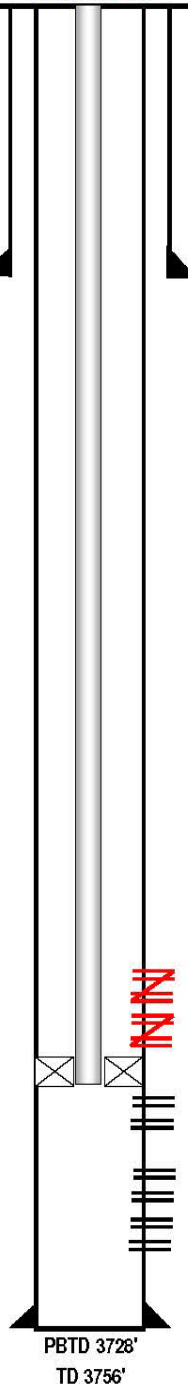
9/27/1997: Perforate Jalmat 3198-3376' 26 holes, acidize w/ 2500 gallons 15% NEFE acid. Frac perms with 38,872 gal SFG 3000+130,000# 16/30 sand.

9/28/2022: Re-acidized perforations f/ 3,502' - 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: Sqz perms f/ 3198' - 3376', acidize existing perforations f/ 3502' - 3658' w/ 3000 gals 15% HCL, 500# 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 plr @ ~3470'. Perform MIT test. Begin injection Interval 3450'-3670'.

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

Production Csg
 Size: 4-1/2"
 Wt.&Thrd: 11.6# LT&C
 Grade: LS
 Set @: 3756'
 Sxs 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', 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 perms 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

iii. Well Data
(Well 5 of 15)

INJECTION WELL DATA SHEET

OPERATOR: F AE 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

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

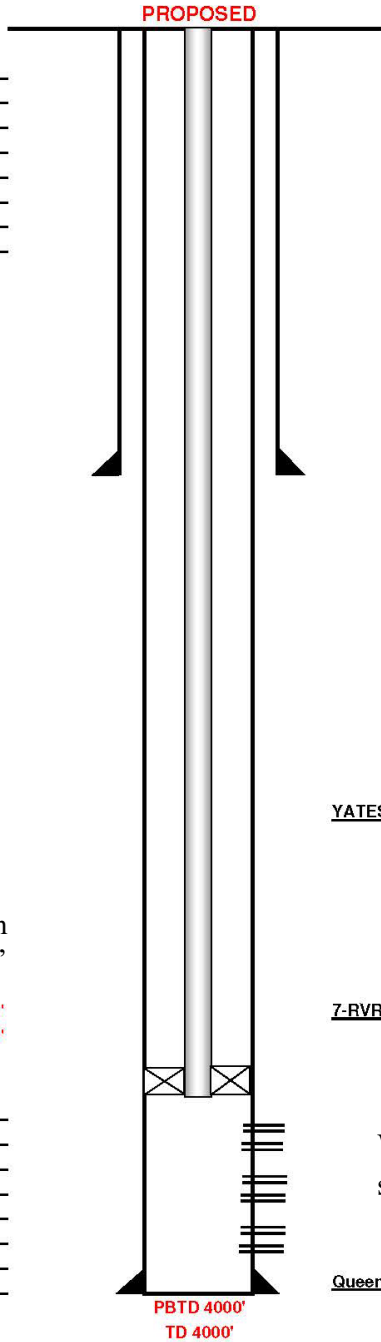
For the Following Wells:

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

Surface Csg

Size: 8-5/8"
 Wt & Thrd: 23#
 Grade: J55
 Set @: (+/-) 1150'
 Sxs cmt: ~800 sxs
 Circ: X
 TOC: Surface
 Hole Size: 12-1/4"

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'

PKr 3400'
 EOT 3400'

Production Csg

Size: 4-1/2"
 Wt & Thrd: 11.6#
 Grade: J55
 Set @: (+/-) 4000'
 Sxs Cmt: ~1000 sxs
 Circ: X
 TOC: Surface
 Hole Size: 7-7/8"

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

Tubulars - Capacities and Performance	
2-3/8" J55 IPC tbg (PKR On/Off tool, 105 jts)	
	21

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

Additional Data

1. Is this a new well drilled for injection? X 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 RVR (OIL) ;
- [37240] LANGLE 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

- 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'

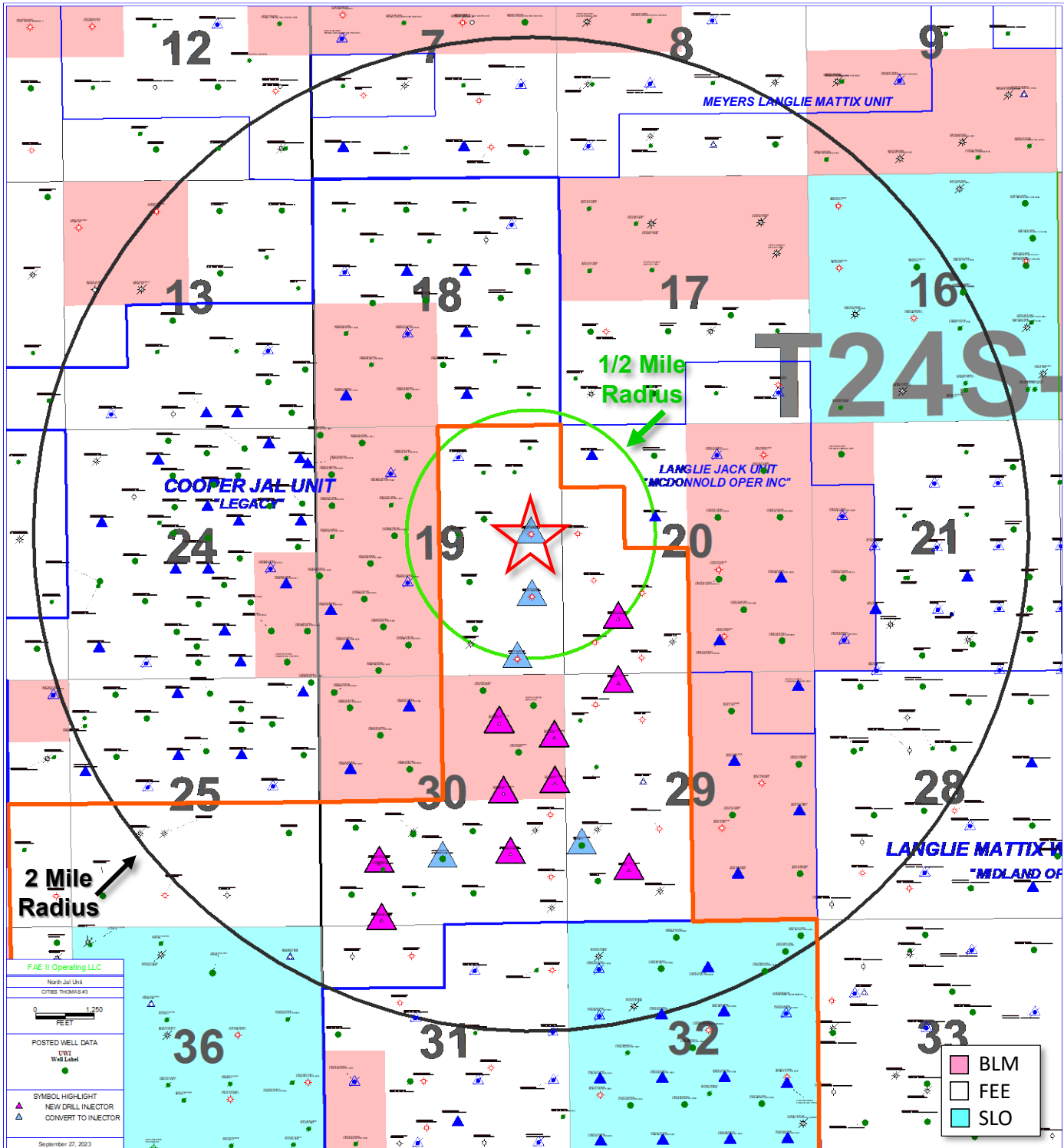
Part V.

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

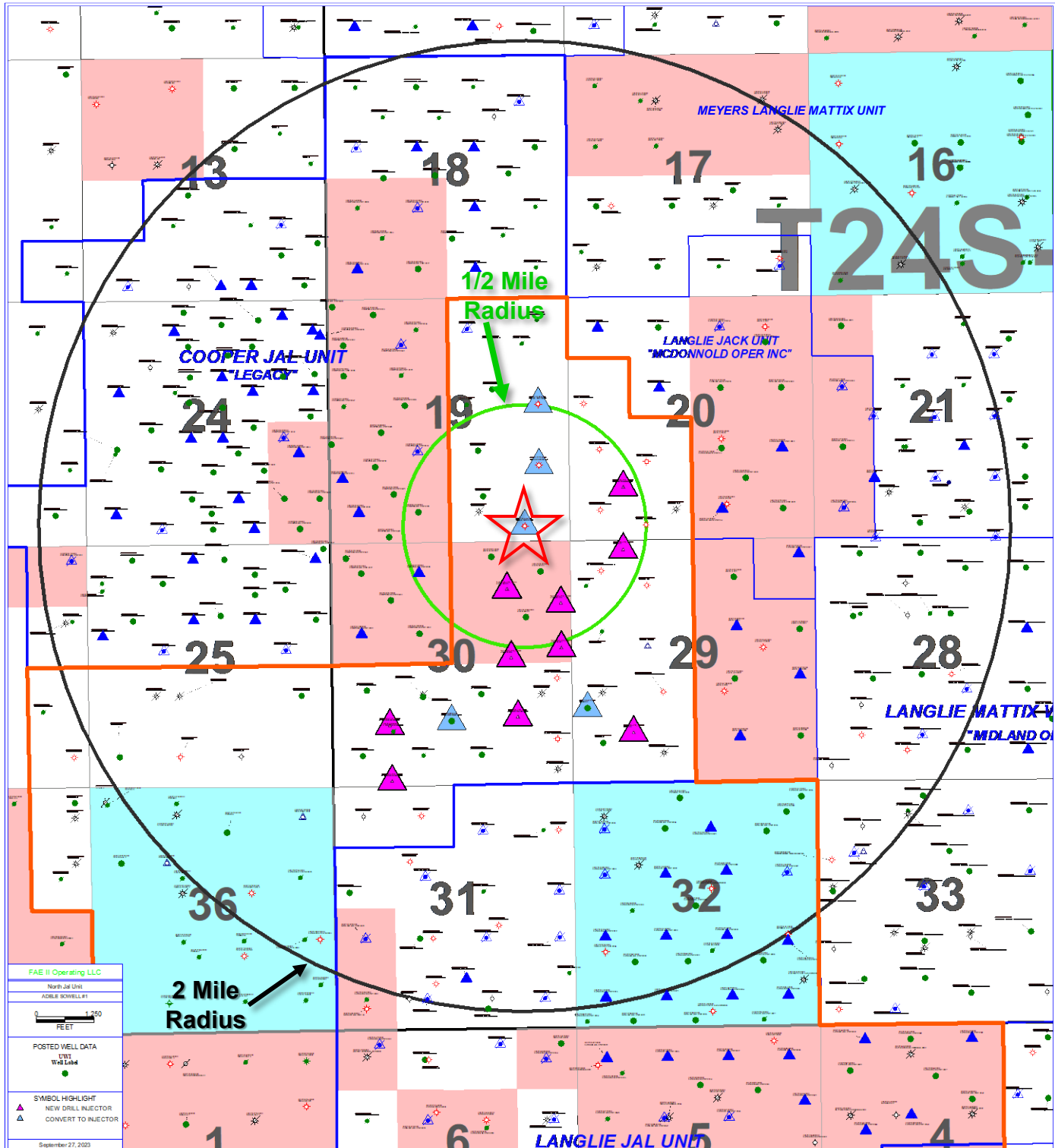


V.

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

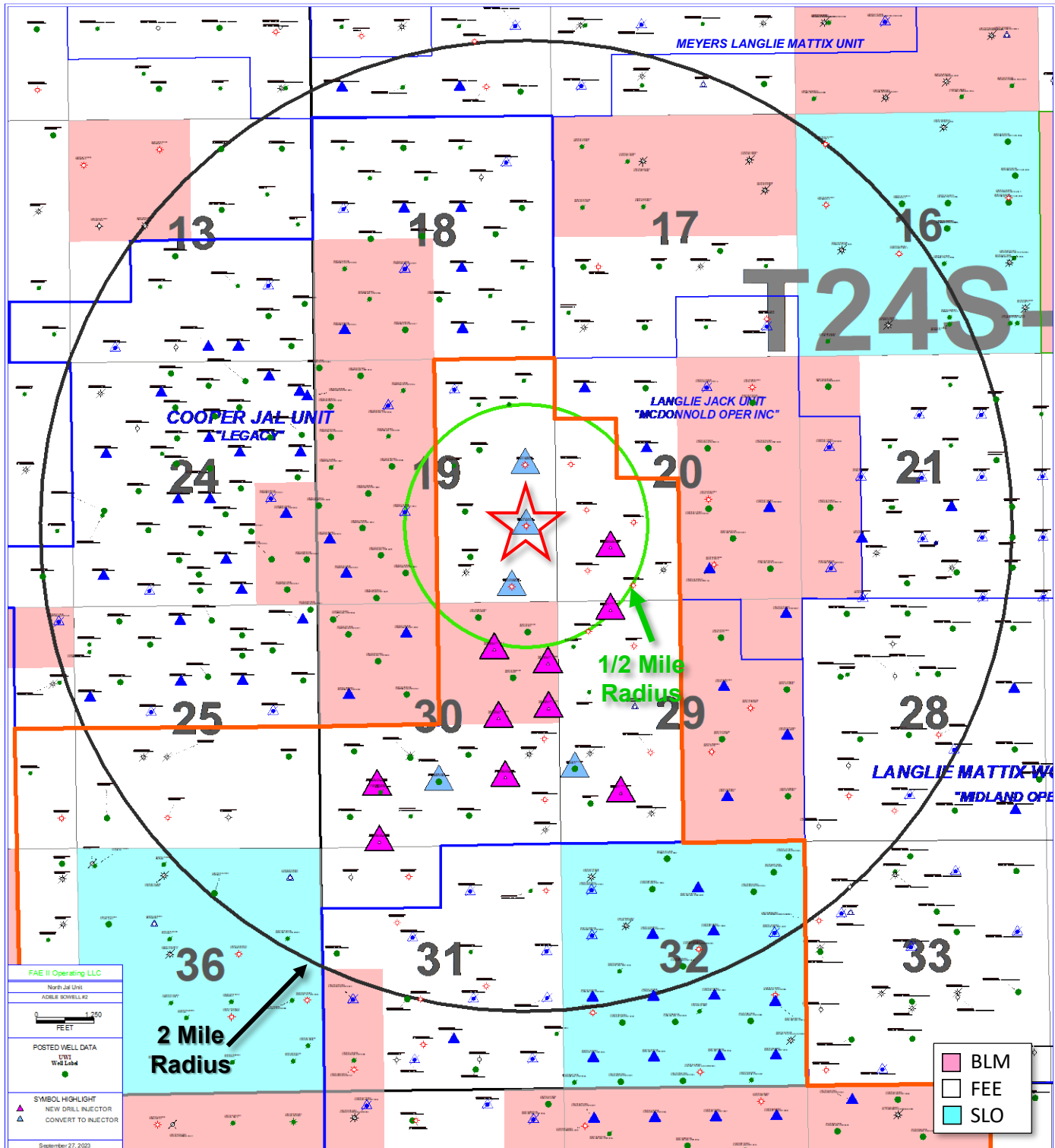


V.

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

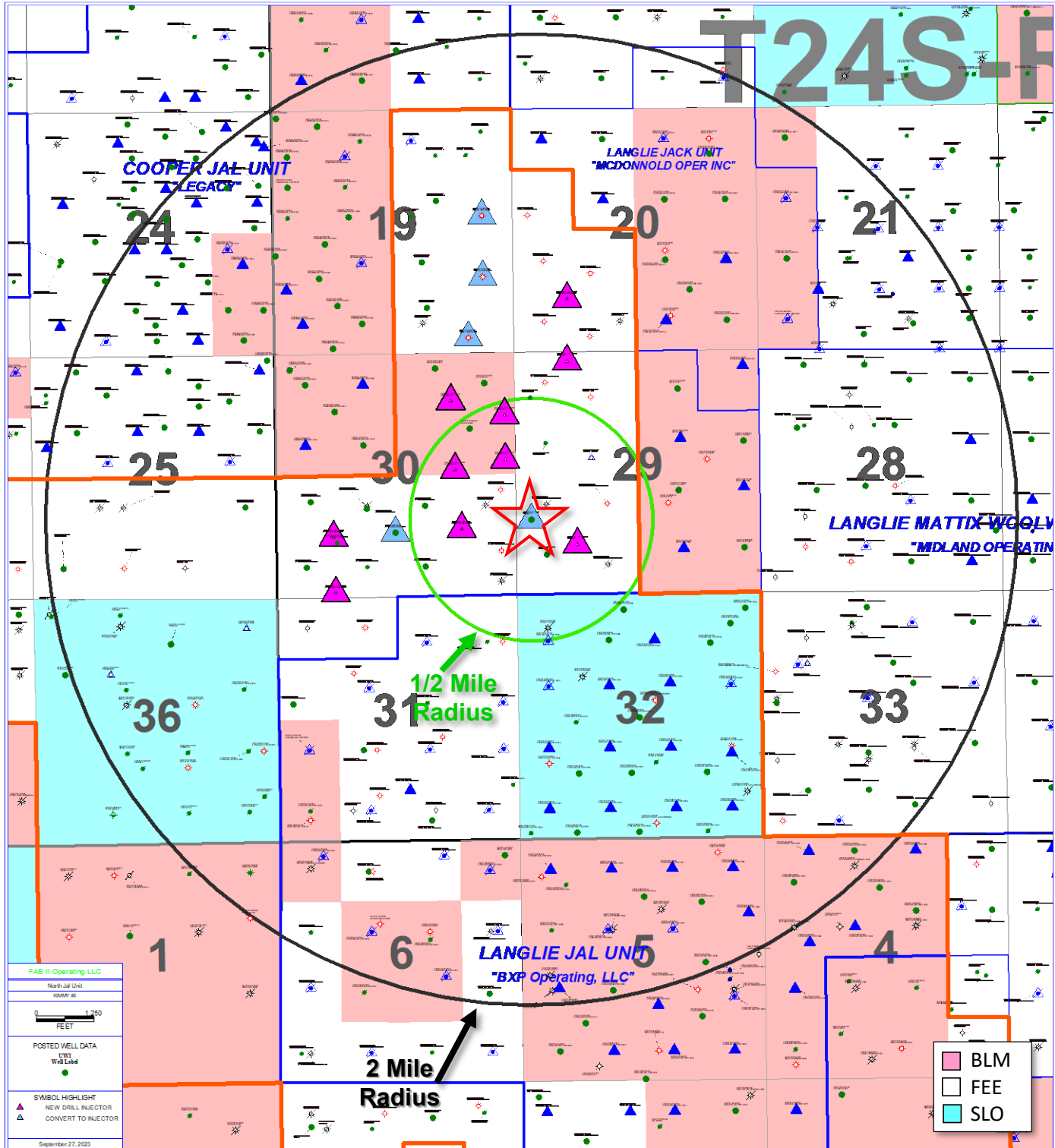


V.

Exhibit A4 shows 20 unique well locations within a 1/2 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

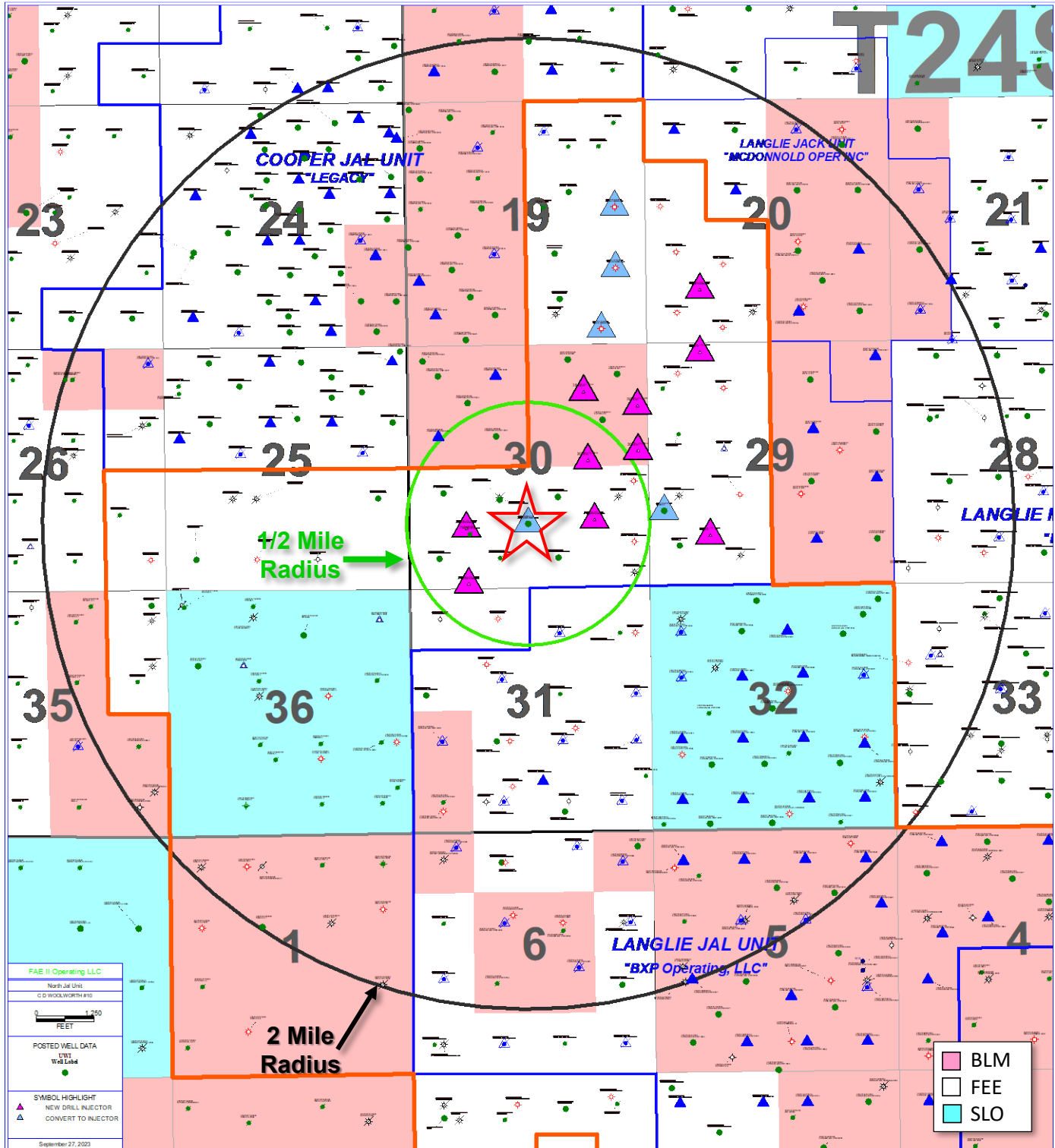


V.

Exhibit A5 shows 20 unique well locations within a 1/2 mile radius of the proposed new drill injector location, and 354 unique well locations within a 2-mile radius.

C D WOOLWORTH #10

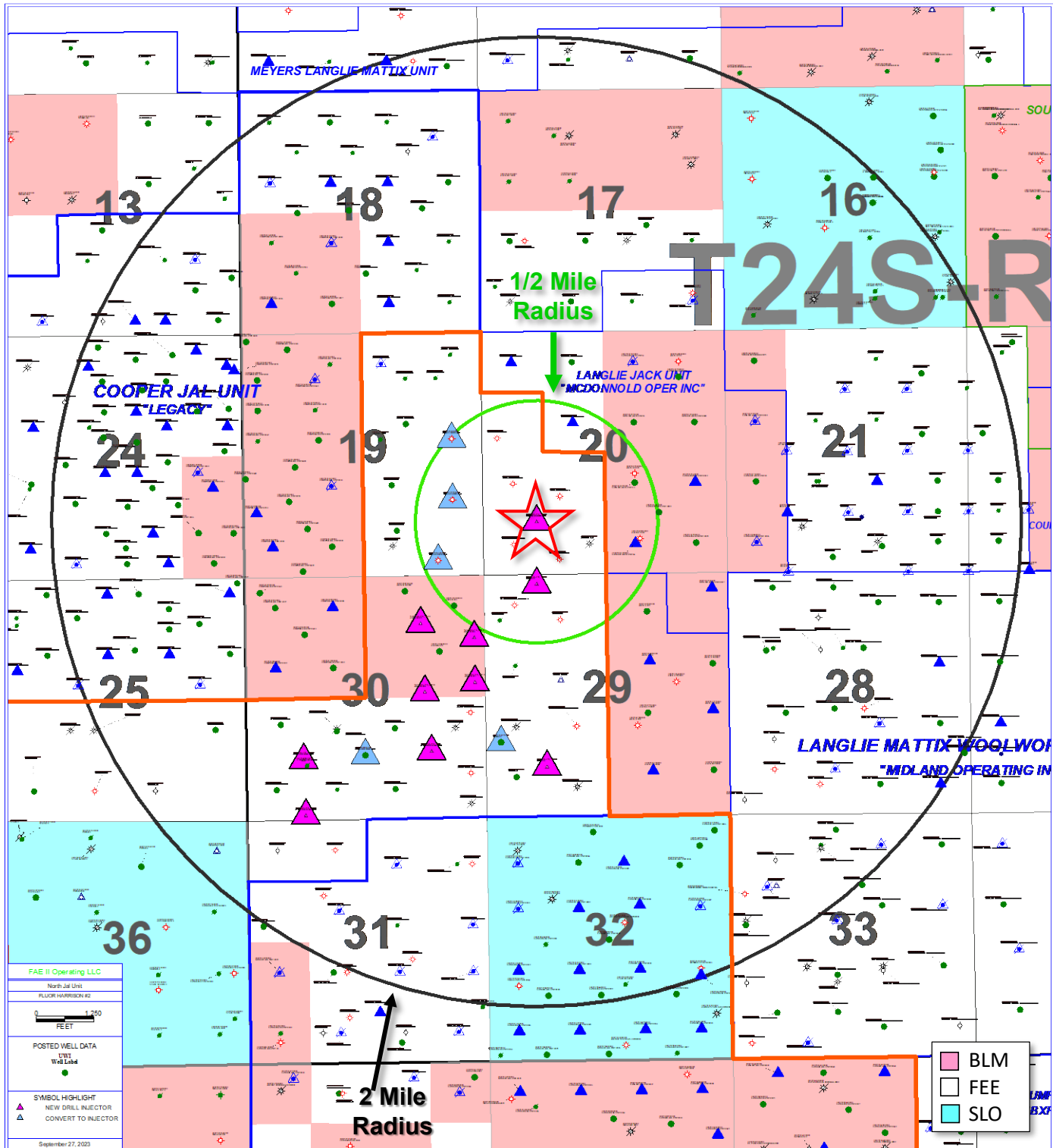
API: 30-025-33881



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.

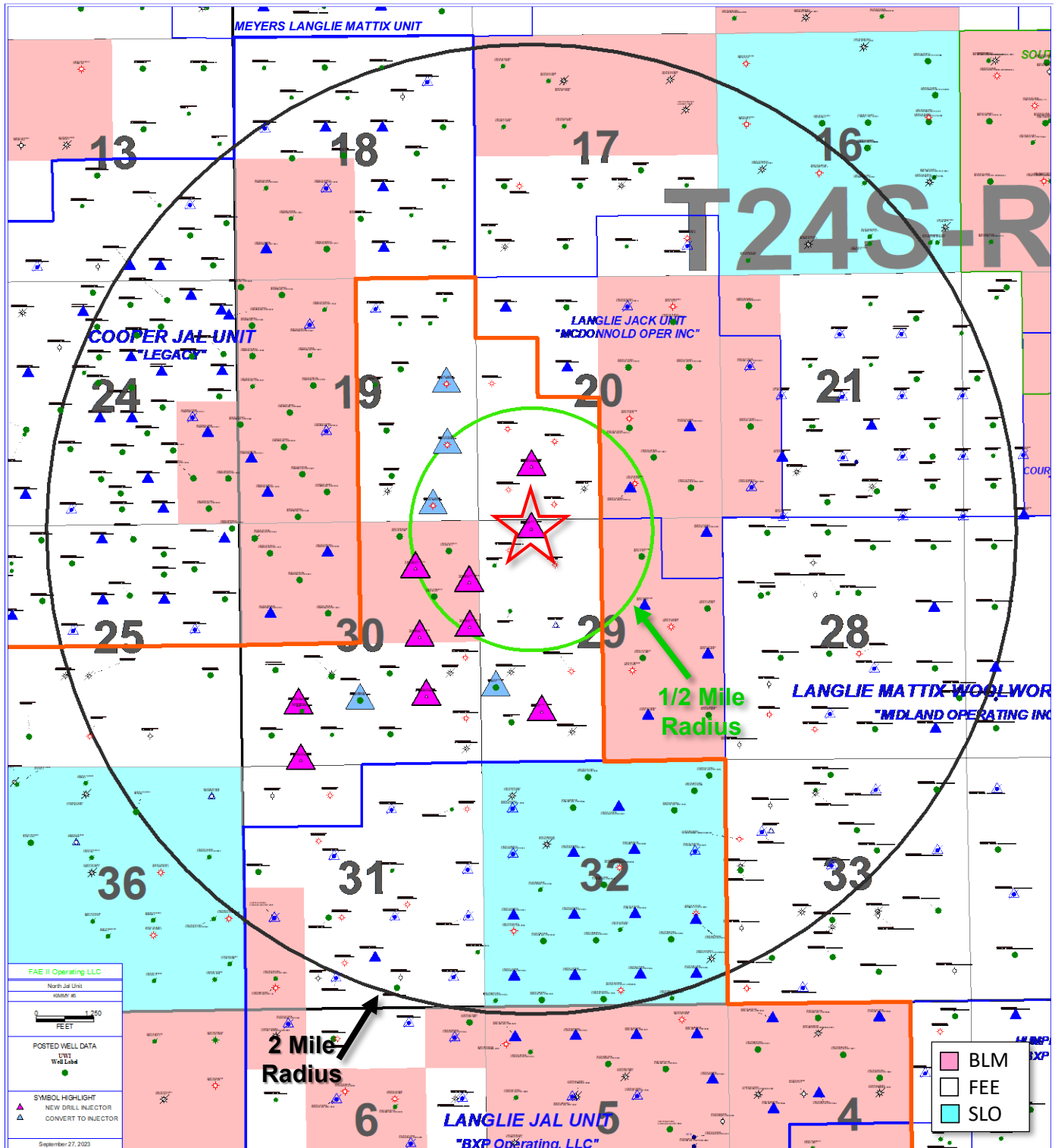
FLUOR HARRISON #2



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.

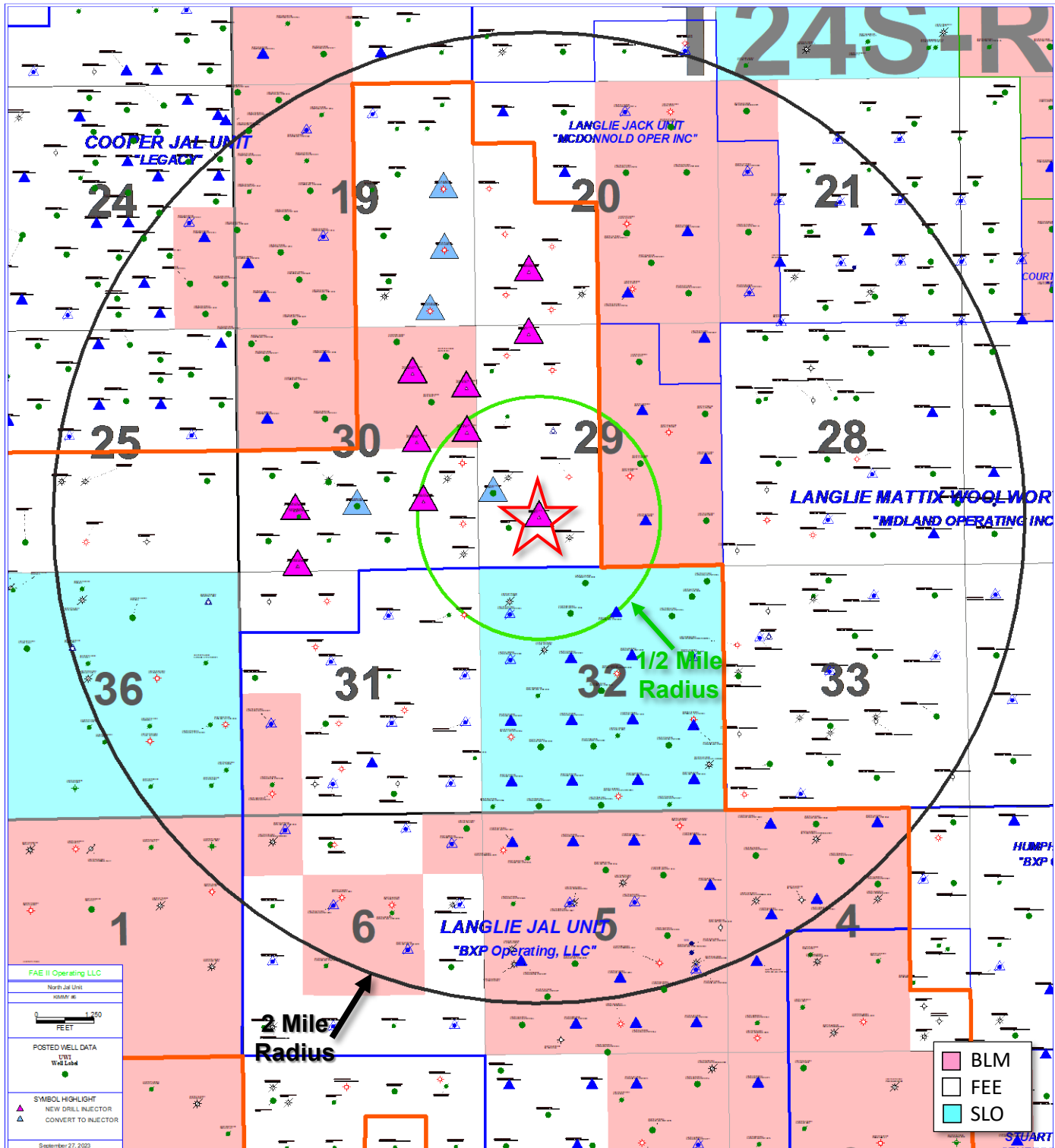
KIMMY #5



V.

Exhibit A8 shows 21 unique well locations within a 1/2 mile radius of the proposed new drill injector location, and 357 unique well locations within a 2-mile radius.

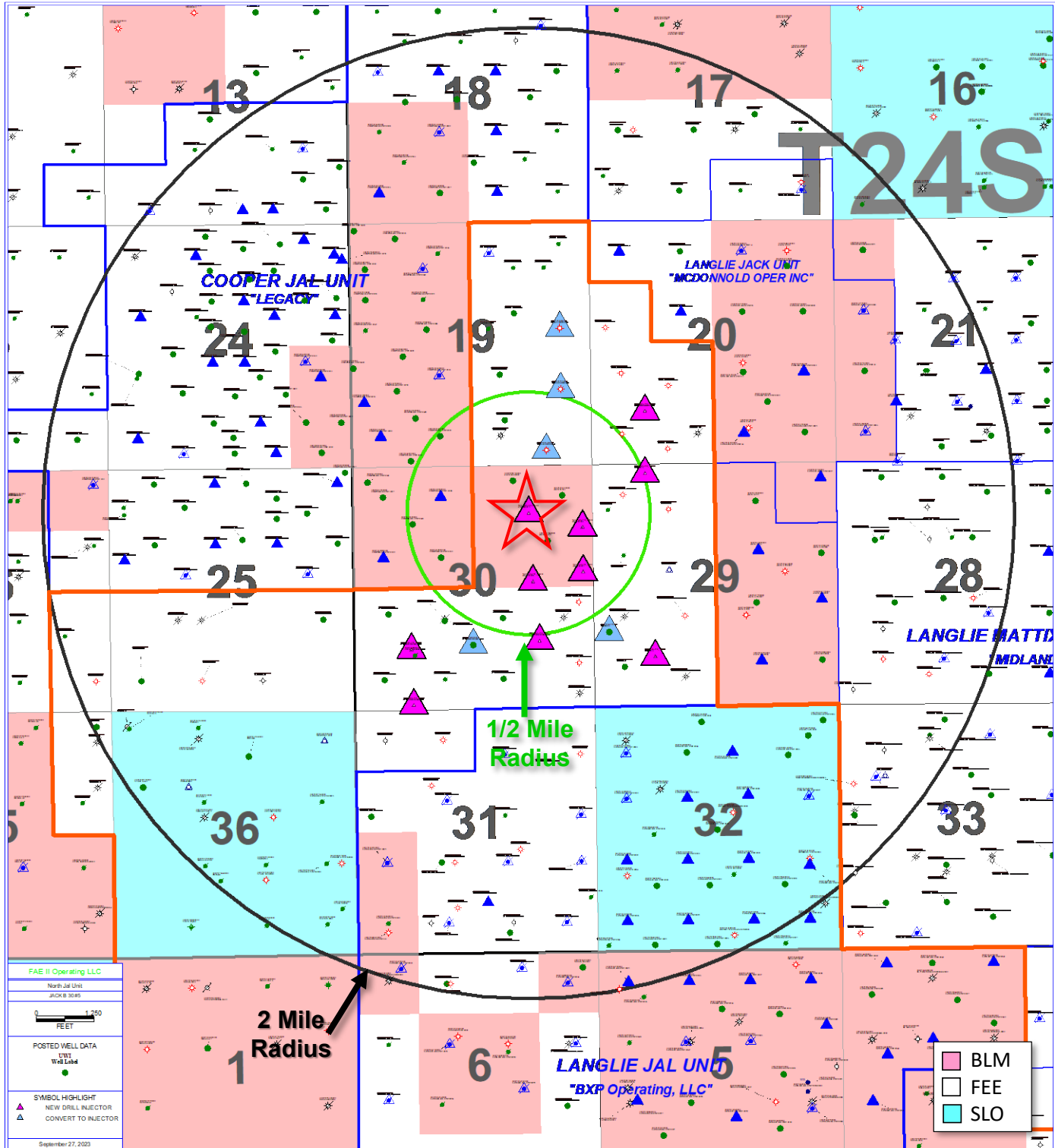
KIMMY #6



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.

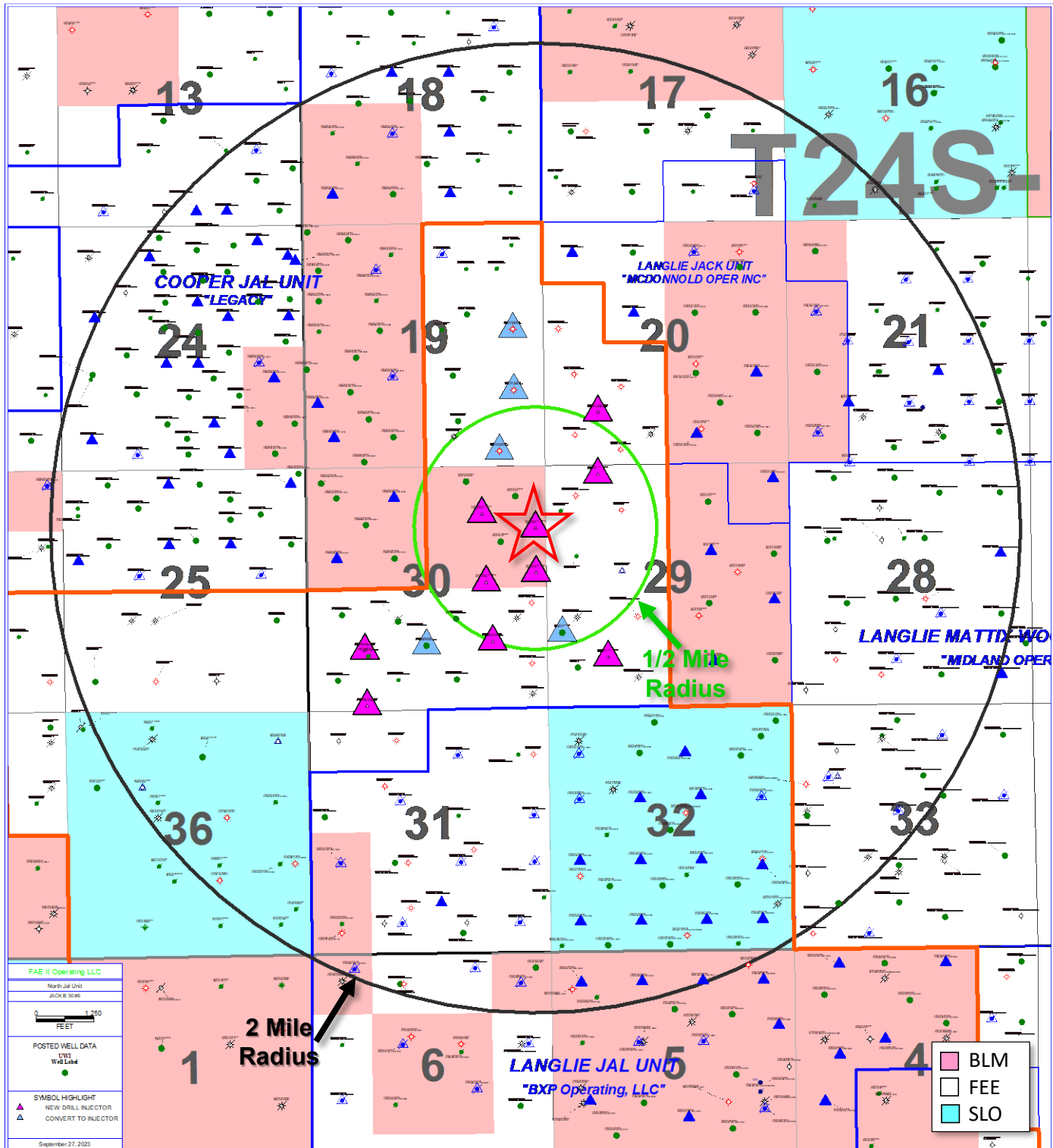
JACK B 30 #5



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.

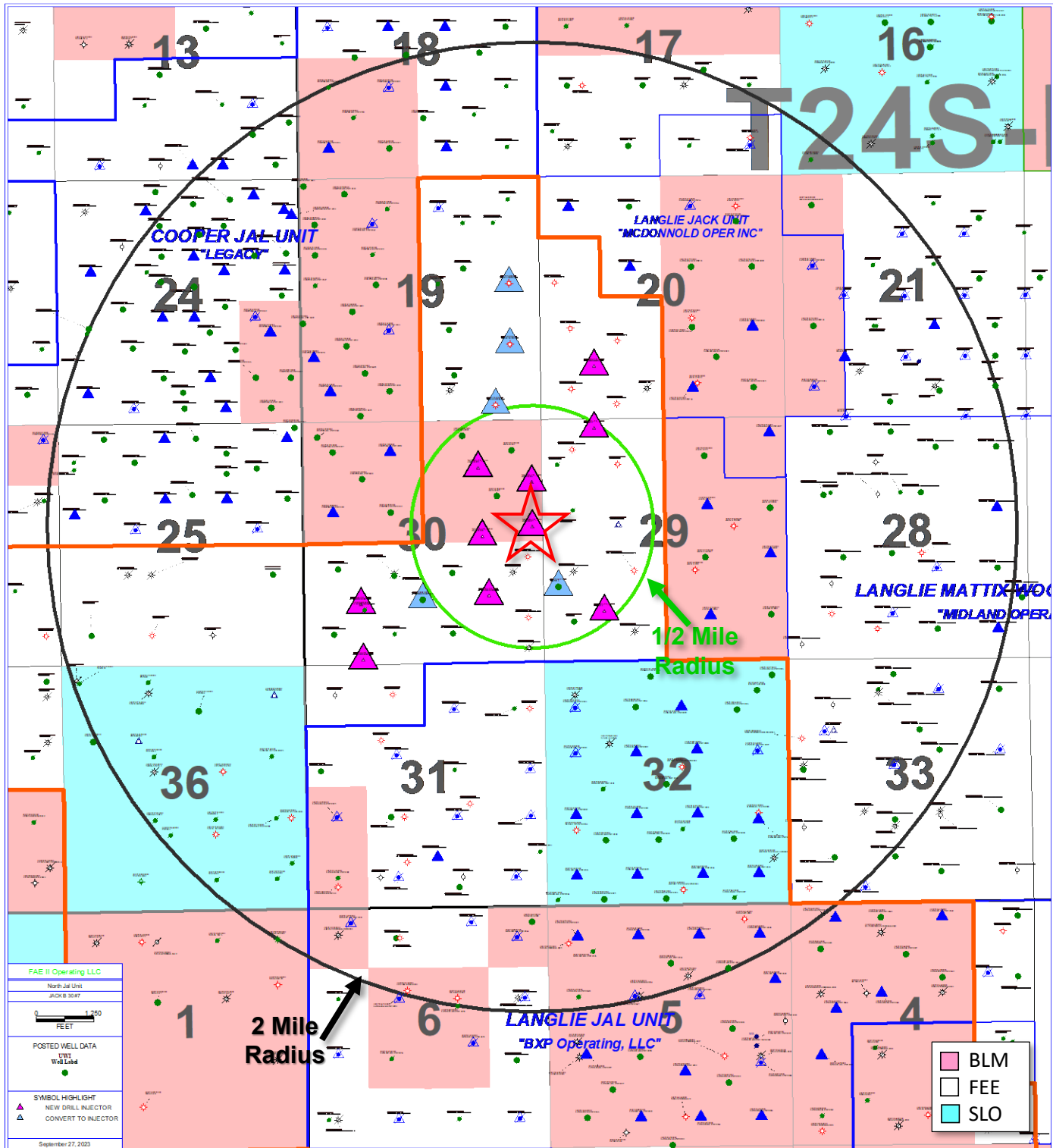
JACK B 30 #6



V.

Exhibit A11 shows 24 unique well locations within a 1/2 mile radius of the proposed new drill injector location, and 364 unique well locations within a 2-mile radius.

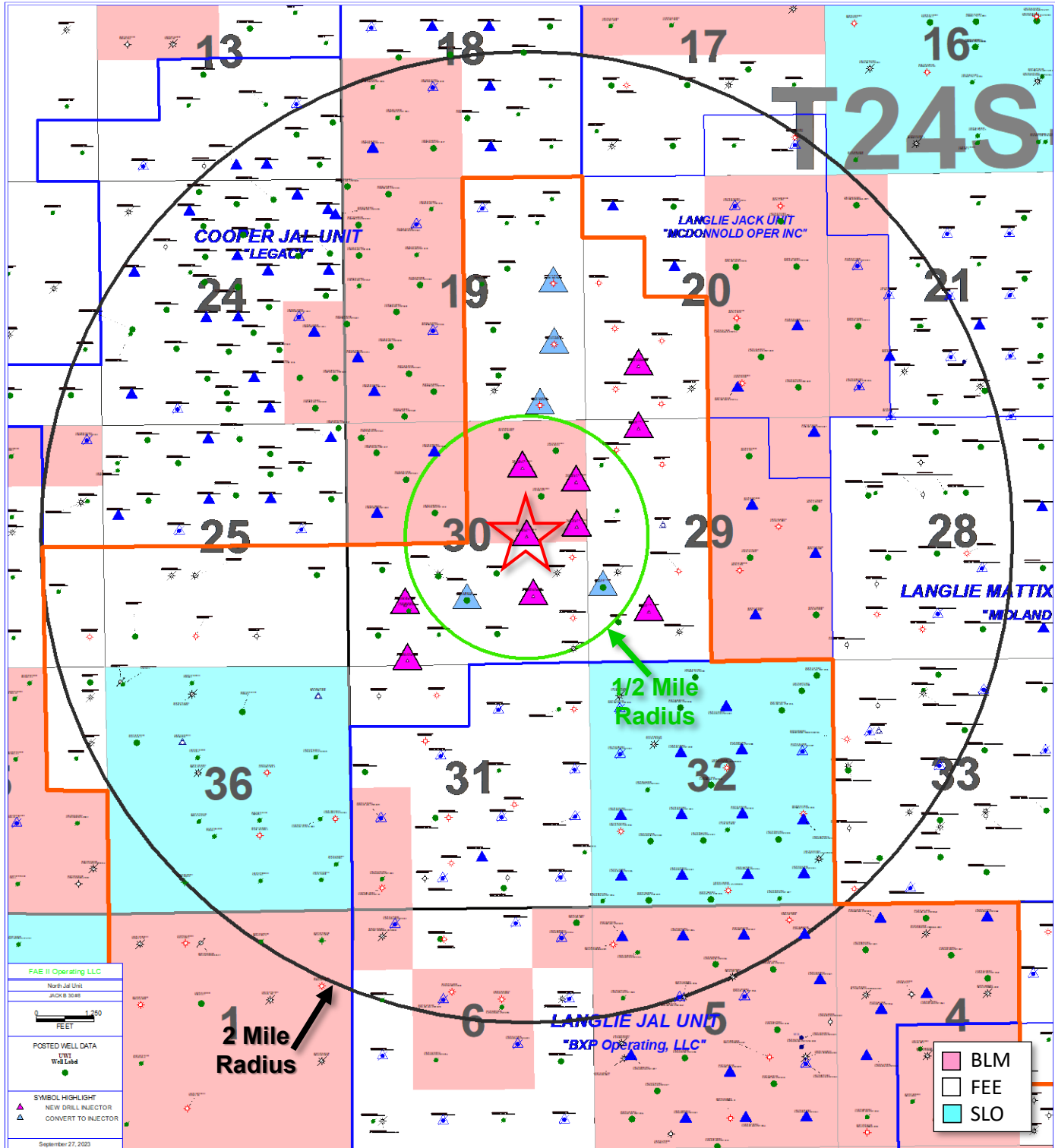
JACK B 30 #7



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.

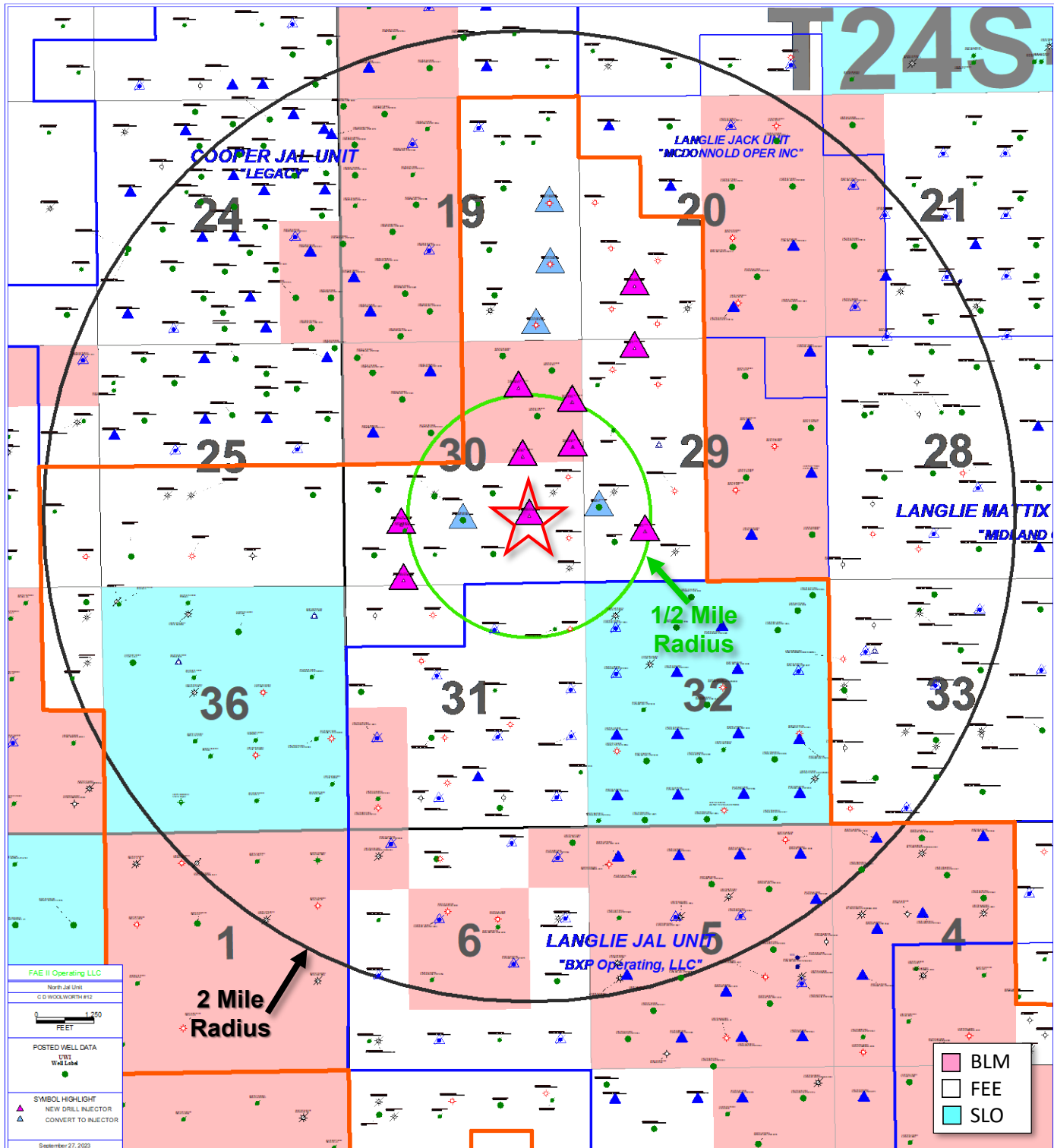
JACK B 30 #8



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.

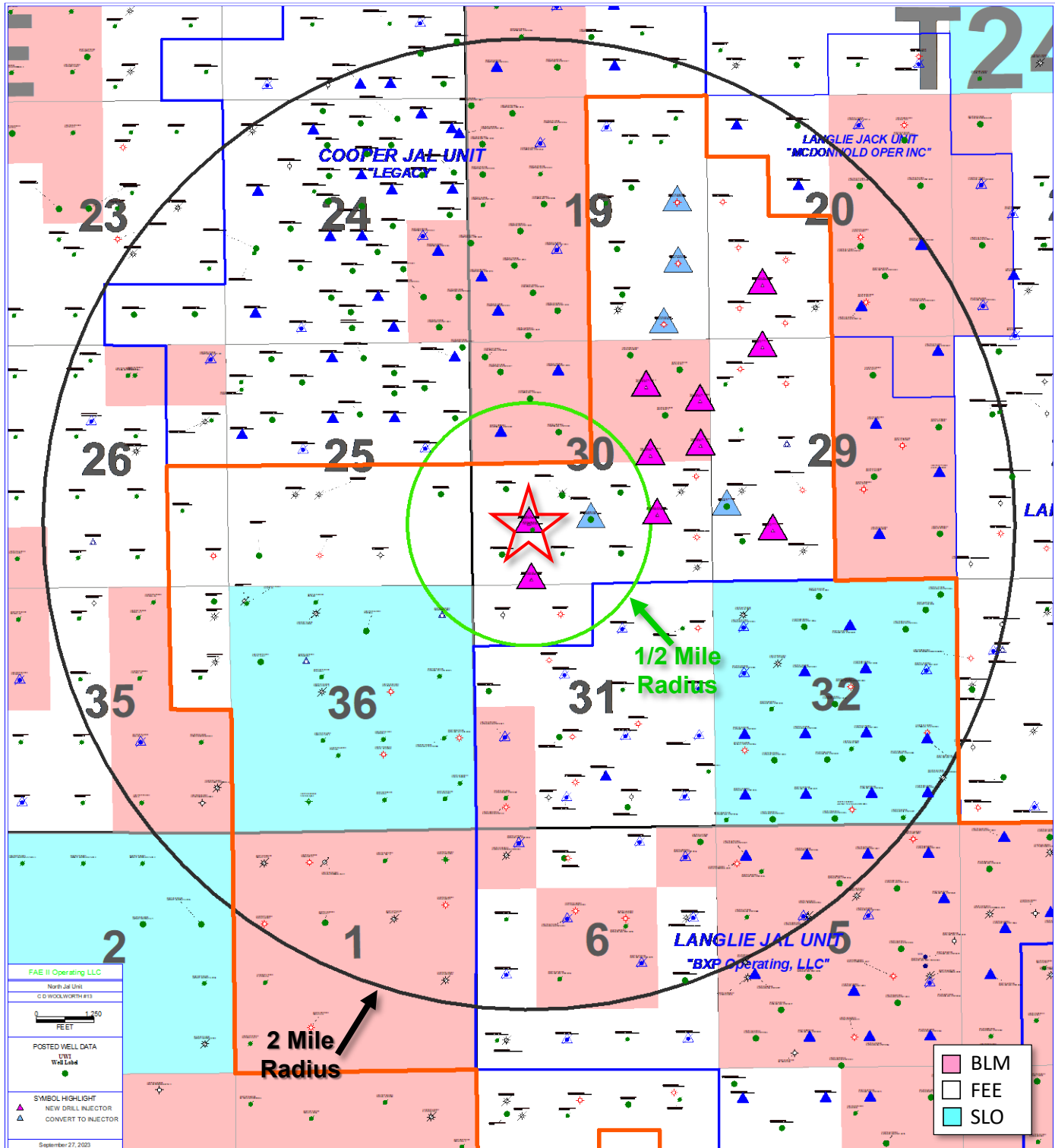
C D WOOLWORTH #12



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.

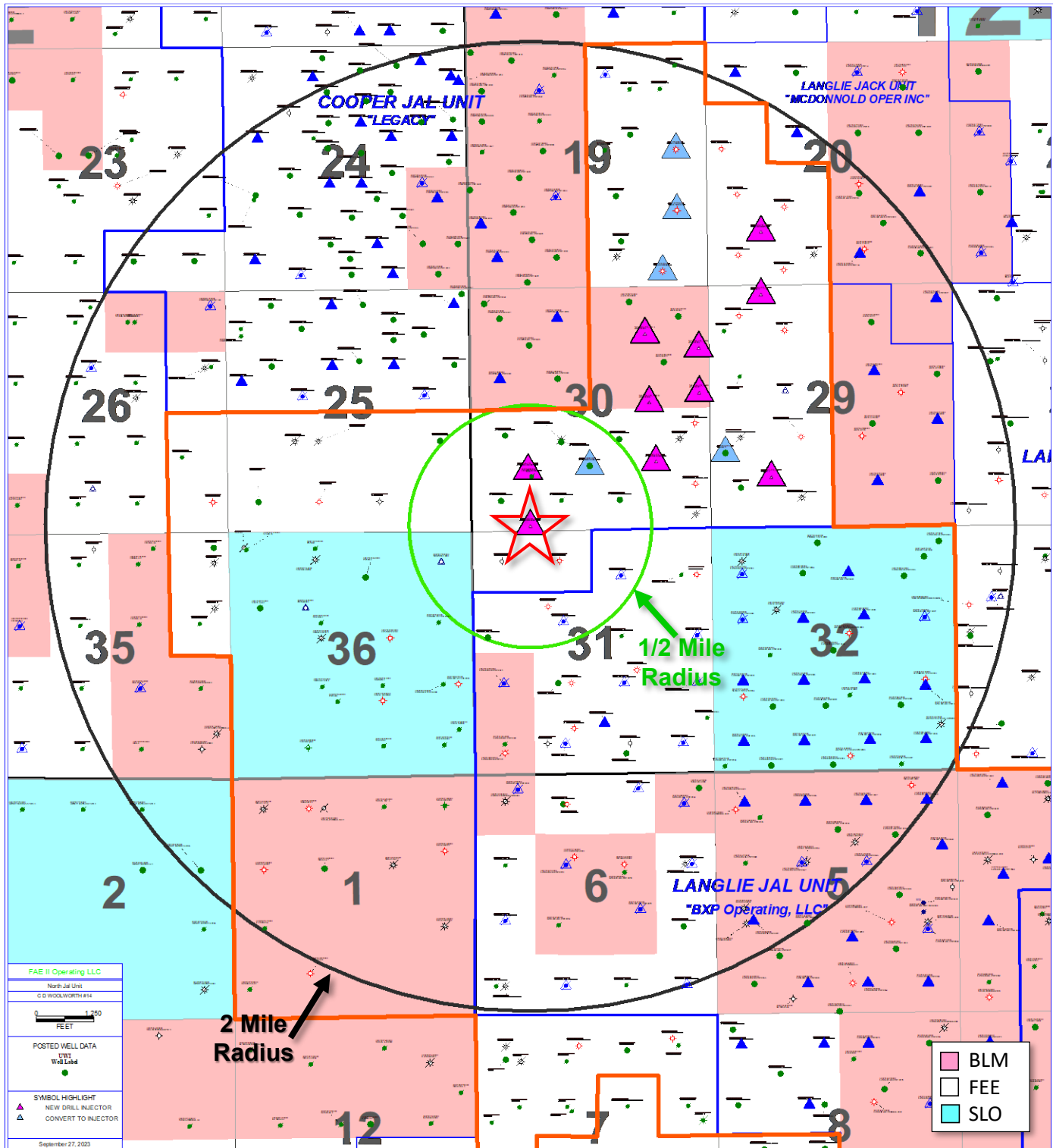
C D WOOLWORTH #13



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

1/2 Mile Radius	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 MATTIX; 7 RVRs-Q-GRAVBURG	0	8/17/1977	9/11/1977	245	37E	19	660 FEL 2310 FNL
	30025256290000	Finally 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 MATTIX; 7 RVRs-Q-GRAVBURG	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 MATTIX; 7 RVRs-Q-GRAVBURG	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 W/P 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 MATTIX; 7 RVRs-Q-GRAVBURG	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	Finally 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 MATTIX; 7 RVRs-Q-GRAVBURG	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
	30025284640000	FAE II Operating LLC	THOMAS A #4	3691	OIL	[37240] LANGUE MATTIX; 7 RVRs-Q-GRAVBURG	2330.47	12/16/1983	1/13/1984	245	37E	19	1880 FEL 990 FSL
	U_245-37E_20KK	FAE II Operating LLC	FLUOR HARRISON #2		LOC-INTJ	New Injection Location	2587.79	TBD	TBD	245	37E	20	1158 FSL 1136 FNL

Exhibit B2

ADELE SOWELL #1
API: 30-025-25630

1/2 Mile Radius	OPERATOR	WELL LABEL	TD	WELL TYPE	CURRENT ZONE	Distance from ADELE SOWELL 1 (feet)	SPUD DATE	COMP DATE	TOWNSHIP	RANGE	SECTION	FOOTAGE
300252563000000	FAE II Operating LLC	ADELE SOWELL 1	3700	GAS	[37240] LANGUE MATTX; 7 RVRB-Q-GRAYBURG	0	8/27/1977	9/23/1977	245	37E	19	990 FEL 390 FSL
30025258710000	FAE II Operating LLC	JACK B 30 2	3715	OIL	[37240] LANGUE MATTX; 7 RVRB-Q-GRAYBURG ; [79240] JALMAT; TAN-VATES-7 RVRB (GAS)	987.96	3/8/1978	7/1/1978	245	37E	30	1725 FEL 330 FNL
300253511630000	CITES SERVICE OIL & GAS CORPORATION	THOMAS 1	3663	PLUGGAS	[33820] JALMAT; TAN-VATES-7 RVRB (OIL) ; [37240] LANGUE MATTX; 7 RVRB-Q-GRAYBURG	1042.74	8/30/1950	10/9/1950	245	37E	19	1980 FEL 660 FSL
30025351390000	FAE II Operating LLC	JACK B 30 3	3700	OIL	[33820] JALMAT; TAN-VATES-7 RVRB (OIL) ; [37240] LANGUE MATTX; 7 RVRB-Q-GRAYBURG	1044.48	9/8/2000	9/25/2000	245	37E	30	660 FEL 660 FNL
30025284640000	FAE II Operating LLC	THOMAS A #4	3691	OIL	[37240] LANGUE MATTX; 7 RVRB-Q-GRAYBURG	1110.42	12/16/1983	1/13/1984	245	37E	19	1880 FEL 990 FSL
30025257550000	FAE II Operating LLC	ADELE SOWELL 2	3718	GAS	[37240] LANGUE MATTX; 7 RVRB-Q-GRAYBURG	1360.03	1/10/1978	1/31/1978	245	37E	19	660 FEL 1650 FSL
NUJ 245 37E 30AA	FAE II Operating LLC	JACK B 30 5		LOC-FINJ	New Injection Location	1427.53	TBD	TBD	245	37E	30	1030 FNL 1416 FEL
30025254910000	FAE II Operating LLC	FLUOR HARRISON #1	3700	GAS	[79240] JALMAT; TAN-VATES-7 RVRB (GAS)	1681.87	4/11/1977	5/4/1977	245	37E	20	660 FNL 660 FSL
NUJ 245 37E 29DD	FAE II Operating LLC	JACK B 30 6		LOC-FINJ	New Injection Location	1854.23	TBD	TBD	245	37E	30	1348 FNL 250 FSL
30025262390000	ATLANTIC RICHFIELD COMPANY-THE	HARRISON 2	3682	PLUGOIL	[37240] LANGUE MATTX; 7 RVRB-Q-GRAYBURG	1867.6	2/17/1979	4/26/1979	245	37E	29	330 FNL 990 FNL
30025261390000	FAE II Operating LLC	THOMAS A #3	3750	OIL	[79240] JALMAT; TAN-VATES-7 RVRB (GAS)	1925.77	3/26/1979	4/27/1979	245	37E	19	1980 FEL 1980 FSL
30025112820000	APACHE CORPORATION	W H HARRISON A WVN COM #2	3650	GAS	[79240] JALMAT; TAN-VATES-7 RVRB (GAS)	1925.8	1/3/1937	3/17/1937	245	37E	29	660 FNL 660 FNL
30025112840000	FAE II Operating LLC	JACK B-30 1	3715	OIL	[33820] JALMAT; TAN-VATES-7 RVRB (OIL) ; [37240] LANGUE MATTX; 7 RVRB-Q-GRAYBURG ; [79240] JALMAT; TAN-VATES-7 RVRB (GAS)	1979.19	9/17/1947	10/20/1947	245	37E	30	990 FEL 1650 FNL
NUJ 245 37E 20VN	FAE II Operating LLC	KIMMY 5		LOC-FINJ	New Injection Location	2203.26	TBD	TBD	245	37E	29	201 FNL 1120 FNL
NUJ 245 37E 20MK	FAE II Operating LLC	FLUOR HARRISON #2		LOC-FINJ	New Injection Location	2302.87	TBD	TBD	245	37E	20	1158 FSL 1136 FSL
0025111600000	LEGACY RESERVES OPERATING, LP	COOPER JAL UNIT #221	3770	OIL	[33820] JALMAT; TAN-VATES-7 RVRB (OIL) ; [37240] LANGUE MATTX; 7 RVRB-Q-GRAYBURG	2327.47	8/29/1949	9/16/1949	245	37E	19	1916 FNL 660 FNL
0025111680000	Finally Resources LLC	KING HARRISON C#3	3694	GAS	[79240] JALMAT; TAN-VATES-7 RVRB (GAS)	2329.56	6/8/1937	8/8/1937	245	37E	20	660 FNL 1980 FSL
0025112900000	LEGACY RESERVES OPERATING, LP	COOPER JAL UNIT #228	3134	INJECT	[33820] JALMAT; TAN-VATES-7 RVRB (OIL)	2511.22	10/30/1949	11/24/1949	245	37E	30	1917 FNL 660 FNL

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 RVRB-Q-GRAYBURG	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 RVRB-Q-GRAYBURG	1327.96	8/17/1977	9/11/1977	245	37E	19	660 FEL 2310 FNL
30025111680000	Finally Resources LLC	KING HARRISON C #3	3694	GAS	[79240] JALMAT;7AN-VATES-7 RVRB (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 RVRB-Q-GRAYBURG	1360.03	8/27/1977	9/23/1977	245	37E	19	990 FEL 330 FSL
30025281390000	FAE II Operating LLC	THOMAS A #3	3750	OIL	[37240] LANGUE MATTX;7 RVRB-Q-GRAYBURG	1360.95	3/28/1979	4/27/1979	245	37E	19	1980 FEL 1980 FSL
30025284640000	FAE II Operating LLC	THOMAS A #4	3691	OIL	[37240] LANGUE MATTX;7 RVRB-Q-GRAYBURG	1387.15	12/16/1983	10/18/1984	245	37E	19	1880 FEL 990 FSL
30025256290000	CITIES SERVICE OIL & GAS CORPORATION	THOMAS 1	3663	PLUGGAS	PLUGGED	1647.8	8/30/1950	10/9/1950	245	37E	19	1980 FEL 660 FSL
30025111630000	Finally Resources LLC	KING HARRISON C #1	3757	GAS	[79240] JALMAT;7AN-VATES-7 RVRB (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;7AN-VATES-7 RVRB (GAS)	1653.03	4/11/1977	5/4/1977	245	37E	20	660 FWL 660 FSL
NUJ 245-37E 20KK	FAE II Operating LLC	FLUOR HARRISON #2		LOC-INJ	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 RVRB-Q-GRAYBURG	1936.69	12/28/1977	2/1/1978	245	37E	19	1650 FEL 1980 FNL
30025111640000	OXY USA W/P LIMITED PARTNERSHIP	THOMAS #2	3680	PLUGOIL	PLUGGED	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 RVRB-Q-GRAYBURG ; [79240] JALMAT;7AN-VATES-7 RVRB (GAS)	2247.45	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] JALMAT;7AN-VATES-7 RVRB (OIL) ; [37240] LANGUE MATTX;7 RVRB-Q-GRAYBURG	2310.27	9/8/2000	9/25/2000	245	37E	30	660 FEL 660 FNL
30025240710000	Finally Resources LLC	KING HARRISON C #5	3620	GAS	[79240] JALMAT;7AN-VATES-7 RVRB (GAS)	2339.34	3/29/1972	4/8/1972	245	37E	20	1680 FWL 1700 FNL
NUJ 245-37E 20MNI	FAE II Operating LLC	KIMMY 5		LOC-INJ	New Injection Location	2595.2	TBD	TBD	245	37E	29	201 FNL 1120 FNL

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
	30025264370000	FAE II Operating LLC	KIMMY #3	3670	OIL	[37240] LANGUE MATTX;7 RVRs-Q-GRAYBURG	0	8/23/1979	10/27/1979	245	37E	29	330 FWL 1650 FSL
	30025112880000	APACHE CORPORATION	WMI H HARRISON D WVN COM #1	3699	PLUGGAS	PLUGGED	468.21	6/23/1937	8/27/1937	245	37E	29	660 FWL 1980 FSL
	30025263800000	FAE II Operating LLC	KIMMY #4	3653	OIL	[37240] LANGUE MATTX;7 RVRs-Q-GRAYBURG	829.33	1/24/1980	2/2/1980	245	37E	29	660 FWL 890 FSL
	30025263000000	FAE II Operating LLC	GULF EDDIE CORRIGAN 2	3734	GAS	[37240] LANGUE MATTX;7 RVRs-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 RVRs-Q-GRAYBURG	934.24	9/29/1978	10/27/1978	245	37E	30	330 FEL 990 FSL
	30025112880000	GULF OIL CORPORATION	WOOLWORTH 1	3803	PLUGGAS	PLUGGED	1042.85	3/27/1937	5/23/1937	245	37E	30	660 FEL 1980 FSL
	NIJ 245-37E 29KK	FAE II Operating LLC	KIMMY 6		LOC-INJ	New Injection Location	1133.82	TBD	TBD	245	37E	29	1085 FSL 1299 FWL
	NIJ 245-37E 29EE	FAE II Operating LLC	JACK B 30 7		LOC-INJ	New Injection Location	1425.8	TBD	TBD	245	37E	30	2320 FNL 248 FEL
	30025112880000	GULF OIL CORPORATION	WOOLWORTH 2	3657	PLUGGAS	PLUGGED	1474.6	1/1/1940	4/10/1940	245	37E	30	330 FEL 330 FSL
	NIJ 245-37E 30II	FAE II Operating LLC	C D WOOLWORTH #12		LOC-INJ	New Injection Location	1526.88	TBD	TBD	245	37E	30	1461 FSL 1210 FEL
	30025273670000	APACHE CORPORATION	WMI H HARRISON D WVN COM #7	3756	GAS	[79240] JALMAT;TAN-VATES-7 RVRs (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 RVRs-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	WMI H HARRISON D WVN COM #6	3656	PLUGGAS	PLUGGED	1924.1	4/11/1974	5/21/1974	245	37E	29	1980 FWL 660 FSL
	NIJ 245-37E 30HH	FAE II Operating LLC	JACK B 30 8		LOC-INJ	New Injection Location	1986.23	TBD	TBD	245	37E	30	2523 FNL 1340 FEL
	30025287980000	FAE II Operating LLC	C D WOOLWORTH #7	3750	OIL	[33820] JALMAT;TAN-VATES-7 RVRs (OIL); [37240] LANGUE MATTX;7 RVRs-Q-GRAYBURG	2331.32	7/31/1984	10/1/1984	245	37E	30	1980 FEL 1980 FSL
	NIJ 245-37E 29DD	FAE II Operating LLC	JACK B 30 6		LOC-INJ	New Injection Location	2352.6	TBD	TBD	245	37E	30	1348 FNL 250 FEL
	30025345550000	HERMAN L LOEB LLC	STATE A 32 #005	3300	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;TAN-VATES-7 RVRs (OIL); [37240] LANGUE MATTX;7 RVRs-Q-GRAYBURG; [79240] JALMAT;TAN-VATES-7 RVRs (GAS)	2391.74	9/17/1947	10/20/1947	245	37E	30	990 FEL 1650 FN
	30025287310000	FAE II Operating LLC	C D WOOLWORTH #6	3750	OIL	[33820] JALMAT;TAN-VATES-7 RVRs (OIL); [37240] LANGUE MATTX;7 RVRs-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

1/2 Mile Radius	OPERATOR	WELL LABEL	TD	WELL TYPE	CURRENT ZONE	Distance from C D WOOLWORTH #10 (Feet)	SPUD DATE	COMP DATE	TOWNSHIP	RANGE	SECTION	FOOTAGE
30025338820000	FAE II Operating LLC	C D WOOLWORTH #10	3750	OIL	[33820] JALUMAT'TAN-VATES-7 RVR5 (OIL) ; [37240] LANGLE MATTX;7 RVR5-Q-GRAVBURG	0	3/29/1997	5/29/1997	24S	37E	30	2630 FEL 1400 FSL
30025328620000	FAE II Operating LLC	C D WOOLWORTH #8	3800	OIL	[33820] JALUMAT'TAN-VATES-7 RVR5 (OIL)	810.81	4/24/1995	7/14/1995	24S	37E	30	1980 FWL 1930 FSL
30025112870000	FAE II Operating LLC	CD WOOLWORTH 3	3300	PLUGGAS	PLUGGED	844.84	5/9/1949	6/12/1949	24S	37E	30	1980 FWL 1980 FSL
30025287980000	FAE II Operating LLC	C D WOOLWORTH #7	3750	OIL	[33820] JALUMAT'TAN-VATES-7 RVR5 (OIL) ; [37240] LANGLE MATTX;7 RVR5-Q-GRAVBURG	869.96	7/31/1984	10/1/1984	24S	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	24S	37E	30	1980 FWL 660 FSL
30025287310000	FAE II Operating LLC	C D WOOLWORTH #6	3750	OIL	[33820] JALUMAT'TAN-VATES-7 RVR5 (OIL) ; [37240] LANGLE MATTX;7 RVR5-Q-GRAVBURG	986.44	5/31/1984	10/10/1984	24S	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	24S	37E	30	1330 FWL 1185 FSL
NIU 24S-37E-30AK	FAE II Operating LLC	C D WOOLWORTH #13		LOC-NU	New Injection Location	1348.09	TBD	TBD	24S	37E	30	1323 FSL 1212 FWL
NIU 24S-37E-30II	FAE II Operating LLC	C D WOOLWORTH #12		LOC-NU	New Injection Location	1443.48	TBD	TBD	24S	37E	30	1461 FSL 1210 FSL
NIU 24S-37E-30NN	FAE II Operating LLC	C D WOOLWORTH #14		LOC-NU	New Injection Location	1845.91	TBD	TBD	24S	37E	30	109 FSL 1249 FWL
NIU 24S-37E-30HH	FAE II Operating LLC	JACK B 30 8		LOC-NU	New Injection Location	1888.14	TBD	TBD	24S	37E	30	2523 FNL 1340 FSL
30025254640000	FAE II Operating LLC	C D WOOLWORTH #4	3700	OIL	[33820] JALUMAT'TAN-VATES-7 RVR5 (OIL) ; [37240] LANGLE MATTX;7 RVR5-Q-GRAVBURG	1956.88	3/22/1977	5/14/1977	24S	37E	30	760 FWL 2080 FSL
30025112890000	LEGACY RESERVES OPERATING, LP	COOPER JAL UNIT #232	3130	OIL	[33820] JALUMAT'TAN-VATES-7 RVR5 (OIL)	2023.25	9/11/1949	10/12/1949	24S	37E	30	1917 FWL 1980 FSL
30025112850000	FAE II Operating LLC	WOOLWORTH 1	3803	PLUGGAS	PLUGGED	2051.12	3/27/1937	5/23/1937	24S	37E	30	660 FEL 1980 FSL
30025257900000	FAE II Operating LLC	C D WOOLWORTH #5	3750	OIL	[33820] JALUMAT'TAN-VATES-7 RVR5 (OIL) ; [37240] LANGLE MATTX;7 RVR5-Q-GRAVBURG	2074.28	2/27/1978	3/21/1978	24S	37E	30	660 FWL 660 FSL
30025379590000	FAE II Operating LLC	MARTIN B 3	3550	GAS	[76480] EUMONT-VATES-7 RVR5-QUEEN (GAS) ; [79240] JALUMAT'TAN-VATES-7 RVR5 (GAS)	2167.84	1/3/2007	2/15/2007	24S	37E	31	1917 FWL 660 FSL
30025260860000	FAE II Operating LLC	GUFE EDDIE CORRIGAN 1	3750	GAS	[37240] LANGLE MATTX;7 RVR5-Q-GRAVBURG	2335.44	9/29/1978	10/27/1978	24S	37E	30	330 FEL 990 FSL
30025261000000	FAE II Operating LLC	GUFE EDDIE CORRIGAN 2	3734	GAS	[37240] LANGLE MATTX;7 RVR5-Q-GRAVBURG	2472.31	10/8/1978	10/29/1978	24S	37E	30	330 FEL 2310 FSL
30025113040000	LEGACY RESERVES OPERATING, LP	LANGUE JAL UNIT #001	3548	PLUGINU	PLUGGED	2478.66	7/19/1957	9/11/1957	24S	37E	31	1977 FEL 990 FSL
30025112860000	GUFE OIL CORPORATION	WOOLWORTH 2	3657	PLUGGAS	PLUGGED	2538.44	1/1/1940	4/10/1940	24S	37E	30	330 FEL 330 FSL

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
1/2 Mile Radius												
NUU 245-37E-200K	FAE II Operating LLC	FLUOR HARRISON #2		LOC-NU	New Injection Location	0	TBD	TBD	245	37E	20	1158 FSL 1136 FWL
30025254910000	FAE II Operating LLC	FLUOR HARRISON #1	3700	GAS	[79240] JALMAT-TAN-VATES-7 RVR5 (GAS)	702.11	4/11/1977	5/4/1977	245	37E	20	660 FWL 660 FSL
30025240710000	Finlay Resources LLC	KING HARRISON C#5	3620	GAS	[79240] JALMAT-TAN-VATES-7 RVR5 (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] LANGLE MAITTX-7 RVR5-Q-GRAYBURG	955.35	8/31/1978	9/26/1978	245	37E	20	1650 FWL 330 FSL
30025111680000	Finlay Resources LLC	KING HARRISON C#3	3694	GAS	[79240] JALMAT-TAN-VATES-7 RVR5 (GAS)	973.58	6/8/1937	8/8/1937	245	37E	20	660 FWL 1980 FSL
3002511750000	WISER OIL CO	CALLEVA #1	3635	PLUGGAS	PLUGGED	1247.06	8/9/1939	9/14/1939	245	37E	20	2310 FWL 660 FSL
NUU 245-37E-200NN	FAE II Operating LLC	KIMMY 5		LOC-NU	New Injection Location	1359	TBD	TBD	245	37E	29	201 FWL 1120 FWL
30025112820000	APACHE CORPORATION	W H HARRISON A WVN COM #2	3650	GAS	[79240] JALMAT-TAN-VATES-7 RVR5 (GAS)	1878.7	1/3/1937	3/17/1937	245	37E	29	660 FWL 660 FNL
30025257550000	FAE II Operating LLC	ADELE SOWELL 2	3718	GAS	[37240] LANGLE MAITTX-7 RVR5-Q-GRAYBURG	1893.43	1/10/1978	1/31/1978	245	37E	19	660 FEL 1650 FSL
30025256290000	Finlay Resources LLC	KING HARRISON C#1	3757	GAS	[79240] JALMAT-TAN-VATES-7 RVR5 (GAS)	2012.02	9/8/1977	10/18/1977	245	37E	20	330 FWL 2310 FNL
30025262430000	FAE II Operating LLC	KIMMY K #1	3680	GAS	[37240] LANGLE MAITTX-7 RVR5-Q-GRAYBURG	2194.15	2/28/1979	3/21/1979	245	37E	29	1650 FWL 990 FNL
30025111690000	MCDONNOLD OPERATING INC	LANGLE JACK UNIT #14	3593	INJECT	[37240] LANGLE MAITTX-7 RVR5-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] JALMAT-TAN-VATES-7 RVR5 (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 FNL
30025111670000	MCDONNOLD OPERATING INC	LANGLE JACK UNIT #7	3582	INJECT	[37240] LANGLE MAITTX-7 RVR5-Q-GRAYBURG	2297	6/9/1939	7/1/1939	245	37E	20	1980 FWL 1980 FSL
3002525256300000	FAE II Operating LLC	ADELE SOWELL 1	3700	GAS	[37240] LANGLE MAITTX-7 RVR5-Q-GRAYBURG	2302.87	8/27/1977	9/23/1977	245	37E	19	990 FEL 330 FSL
30025307030000	FAE II Operating LLC	JACK A 20 11	3472	GAS	[79240] JALMAT-TAN-VATES-7 RVR5 (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	[3820] JALMAT-TAN-VATES-7 RVR5 (OIL) ; [37240] LANGLE MAITTX-7 RVR5-Q-GRAYBURG	2565.66	9/8/2000	9/25/2000	245	37E	30	660 FEL 660 FNL
30025256080000	FAE II Operating LLC	CITIES THOMAS 3	3700	GAS	[37240] LANGLE MAITTX-7 RVR5-Q-GRAYBURG	2587.79	8/17/1977	9/11/1977	245	37E	19	660 FEL 2310 FNL

Exhibit B7

KIMMY #5

1/2 Mile Radius	OPERATOR	WELL LABEL	TD	WELL TYPE	CURRENT ZONE	Distance from KIMMY 5 (feet)	SPUD DATE	COMP DATE	TOWNSHIP	RANGE	SECTION	FOOTAGE
	FAE II Operating LLC	KIMMY 5		LOC-INT	New Injection Location	0	TBD	TBD	245	37E	29	201 FNL 1120 FNL
NUU 245-37E 20MIN	APACHE CORPORATION	W H HARRISON A WN COM #2	3650	GAS	[79240] JALMATA-TAN-VATES-7 RVRIS (GAS)	662.86	1/3/1937	3/17/1937	245	37E	29	660 FNL 660 FNL
30025112820000	FAE II Operating LLC	HENRY HARRISON #1	3816	GAS	[37240] LANGLIE MATTKX-7 RVRIS-Q-GRAYBURG	735.56	8/31/1978	9/26/1978	245	37E	20	1650 FNL 330 FSL
3002562490000	FAE II Operating LLC	KIMMY K #1	3680	GAS	[37240] LANGLIE MATTKX-7 RVRIS-Q-GRAYBURG	929.12	2/28/1979	3/21/1979	245	37E	29	1650 FNL 990 FNL
3002562490000	FAE II Operating LLC	FLUOR HARRISON #1	3700	GAS	[79240] JALMATA-TAN-VATES-7 RVRIS (GAS)	996.04	4/11/1977	5/4/1977	245	37E	20	660 FNL 660 FNL
3002562390000	ATLANTIC RICHFIELD COMPANY THE	HARRISON 2	3682	PLUGOIL	PLUGGED	1126.14	2/17/1979	4/26/1979	245	37E	29	330 FNL 990 FNL
NUU 245-37E 20KK	FAE II Operating LLC	FLUOR HARRISON #2		LOC-INT	New Injection Location	1359	TBD	TBD	245	37E	20	1158 FSL 1136 FNL
30025111750000	WISER OIL CO	CALLEY A #1	3635	PLUGGAS	PLUGGED	1450.07	8/9/1939	9/14/1939	245	37E	20	2310 FNL 660 FSL
NUU 245-37E 29DD	FAE II Operating LLC	JACK B 30 6		LOC-INT	New Injection Location	1788.19	TBD	TBD	245	37E	30	1348 FNL 250 FNL
30025260600000	YURONKA JOHN	HARRISON 1	3680	PLUGOIL	PLUGGED	1837.12	8/21/1978	10/26/1978	245	37E	29	660 FNL 1980 FNL
30025351390000	FAE II Operating LLC	JACK B 30 3	3700	OIL	[33820] JALMATA-TAN-VATES-7 RVRIS (OIL) ; [37240] LANGLIE MATTKX-7 RVRIS-Q-GRAYBURG	1858.48	9/8/2000	9/25/2000	245	37E	30	660 FEL 660 FNL
30025240710000	Finally Resources LLC	KING HARRISON C#5	3620	GAS	[79240] JALMATA-TAN-VATES-7 RVRIS (GAS)	1980.39	3/29/1972	4/8/1972	245	37E	20	1680 FNL 1700 FSL
30025649000000	FAE II Operating LLC	KIMMY K #002	3660	SWD	[37240] LANGLIE MATTKX-7 RVRIS-Q-GRAYBURG ; [96121] SWD-SAN ANDRES ; [96132] SWD-SEVEN RIVERS-QUEEN	2160.99	10/4/1979	12/10/1979	245	37E	29	1650 FNL 2310 FNL
30025256300000	FAE II Operating LLC	ADELE SOWELL 1	3700	GAS	[37240] LANGLIE MATTKX-7 RVRIS-Q-GRAYBURG	2203.26	8/27/1977	9/23/1977	245	37E	19	990 FEL 330 FSL
0025111680000	Finally Resources LLC	KING HARRISON C#3	3694	GAS	[79240] JALMATA-TAN-VATES-7 RVRIS (GAS)	2244.14	6/8/1937	8/8/1937	245	37E	20	660 FNL 1980 FSL
0025111690000	MCDONNOLD OPERATING INC	LANGLIE JACK UNIT #14	3593	INJECT	[37240] LANGLIE MATTKX-7 RVRIS-Q-GRAYBURG	2331.42	7/21/1939	9/2/1939	245	37E	20	1980 FEL 660 FSL
0025247890000	FAE II Operating LLC	JACK A 20 10	3428	GAS	[79240] JALMATA-TAN-VATES-7 RVRIS (GAS)	2461.91	7/20/1974	9/4/1974	245	37E	20	1880 FEL 760 FSL
0025233990000	MCDONNOLD OPERATING INC	JACK A 29 #5	3630	OIL	[37240] LANGLIE MATTKX-7 RVRIS-Q-GRAYBURG	2473.63	11/1/1970	11/20/1970	245	37E	29	1750 FEL 825 FSL
NUU 245-37E 29EE	FAE II Operating LLC	JACK B 30 7		LOC-INT	New Injection Location	2524.54	TBD	TBD	245	37E	30	2320 FNL 248 FSL
0025112840000	FAE II Operating LLC	JACK B-30 1	3715	OIL	[33820] JALMATA-TAN-VATES-7 RVRIS (OIL) ; [37240] LANGLIE MATTKX-7 RVRIS-Q-GRAYBURG ; [79240] JALMATA-TAN-VATES-7 RVRIS (GAS)	2572.6	9/17/1947	10/20/1947	245	37E	30	990 FEL 1650 FNL
0025257550000	FAE II Operating LLC	ADELE SOWELL 2	3718	GAS	[37240] LANGLIE MATTKX-7 RVRIS-Q-GRAYBURG	2595.2	1/10/1978	1/31/1978	245	37E	19	660 FEL 1650 FSL

Exhibit B8

KIMMY #6

1/2 Mile Radius	OPERATOR	WELL LABEL	TD	WELL TYPE	CURRENT ZONE	Distance from KIMMY 6 (feet)	SPUD DATE	COMP DATE	TOWNSHIP	RANGE	SECTION	FOOTAGE
	FAEII Operating LLC	KIMMY 6		LOC-NU	New Injection Location	0	TBD	TBD	245	37E	29	1085 FSL 1299 FWL
NUU 245-37E 29K	FAEII Operating LLC	KIMMY #4	3653	OIL	[37240] LANGLE MATTX;7 RVR-S-Q-GRAVBURG	695.75	1/24/1980	2/2/1980	245	37E	29	660 FWL 890 FSL
30025246690000	APACHE CORPORATION	WM/H HARRISON D WN COM #6	3656	PLUGGAS	PLUGGED	791.94	4/11/1974	5/21/1974	245	37E	29	1980 FWL 660 FSL
30025276700000	APACHE CORPORATION	WM/H HARRISON D WN COM #7	3756	GAS	[79240] JALMAT;7 RVR-S-Q-GRAVBURG (GAS)	1098.82	4/23/1981	8/9/1981	245	37E	29	1980 FWL 1980 FSL
30025112830000	APACHE CORPORATION	WM/H HARRISON D WN COM #1	3699	PLUGGAS	PLUGGED	1099.63	6/23/1937	8/27/1937	245	37E	29	660 FWL 1980 FSL
30025264370000	FAEII Operating LLC	KIMMY #3	3670	OIL	[37240] LANGLE MATTX;7 RVR-S-Q-GRAVBURG	1133.82	8/23/1979	10/27/1979	245	37E	29	330 FWL 1650 FSL
30025260860000	FAEII Operating LLC	GULF EDDIE CORRIGAN 1	3750	GAS	[37240] LANGLE MATTX;7 RVR-S-Q-GRAVBURG	1656.33	9/29/1978	10/27/1978	245	37E	30	330 FEL 990 FSL
30025113160000	FAEII Operating LLC	PENROC STATE #1	3587	OIL	[38820] JALMAT;7 RVR-S-Q-GRAVBURG (OIL)	1738.27	4/28/1941	8/24/1941	245	37E	32	2310 FWL 330 FNL
30025112860000	GULF OIL CORPORATION	WOOLWORTH 2	3657	PLUGGAS	PLUGGED	1821.74	1/1/1940	4/10/1940	245	37E	30	330 FEL 330 FSL
30025264900000	FAEII Operating LLC	KIMMY K #002	3660	SWD	[37240] LANGLE MATTX;7 RVR-S-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	PLUGGED	1930.35	6/4/1999	7/8/1999	245	37E	32	660 FWL 710 FNL
30025261000000	FAEII Operating LLC	GULF EDDIE CORRIGAN 2	3734	GAS	[37240] LANGLE MATTX;7 RVR-S-Q-GRAVBURG	2045.21	10/8/1978	10/29/1978	245	37E	30	330 FEL 2310 FS
30025112850000	GULF OIL CORPORATION	WOOLWORTH 1	3803	PLUGGAS	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	[79240] JALMAT;7 RVR-S-Q-GRAVBURG (GAS)	2171.91	7/24/1974	9/4/1974	245	37E	29	1980 FEL 1980 FS
30025248380000	BXP Operating, LLC	LANGLE JAL UNIT #004	3830	OIL	[37240] LANGLE MATTX;7 RVR-S-Q-GRAVBURG	2189.73	8/31/1974	10/3/1974	245	37E	32	1980 FWL 990 FNL
30025113110000	LEGA CV RESERVES OPERATING, LP	LANGLE JAL UNIT #03	3575	PLUGINI	PLUGGED	2195.74	10/13/1939	11/14/1939	245	37E	32	660 FWL 990 FNL
30025260600000	VIORONKA JOHN	HARRISON 1	3880	PLUGOIL	PLUGGED	2307.47	8/21/1978	10/26/1978	245	37E	29	660 FWL 1980 FNL
30025237290000	MCDONNOLD OPERATING INC	JACK A 29 #004	3589	INJECT	[37240] LANGLE MATTX;7 RVR-S-Q-GRAVBURG	2316.68	6/3/1940	7/10/1940	245	37E	29	1650 FEL 990 FS
NUU 245-37E 29EE	FAEII Operating LLC	JACK B 30 7		LOC-NU	New Injection Location	2420.73	TBD	TBD	245	37E	30	2320 FWL 248 FSL
30025237290000	MCDONNOLD OPERATING INC	JACK A 29 #007	3660	OIL	[37240] LANGLE MATTX;7 RVR-S-Q-GRAVBURG	2497.07	5/19/1971	6/8/1971	245	37E	29	1750 FEL 2250 FS
NUU 245-37E 30M	FAEII Operating LLC	C D WOOLWORTH #12		LOC-NU	New Injection Location	2536.29	TBD	TBD	245	37E	30	1461 FSL 1210 FSL

Exhibit B9

JACK B 30 #5

1/2 Mile Radius	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
	NUJ 245 37E 30AA	FAE II Operating LLC	JACK B 30 5		LOC-INJ	New Injection Location	0	TBD	TBD	24S	37E	30	1030 FNL 1416 FEL
	30025112840000	FAE II Operating LLC	JACK B-30 1	3715	OIL	[33820] JALMAT; TAN-VATES-7 RVR5 (OIL) ; [37240] LANGLE MATTX; 7 RVR5-Q-GRAVBURG; [79240] JALMAT; TAN-VATES-7 RVR5 (GAS)	730.23	9/17/1947	10/20/1947	24S	37E	30	990 FEL 1650 FNL
	3002528710000	FAE II Operating LLC	JACK B 30 2	3715	OIL	[37240] LANGLE MATTX; 7 RVR5-Q-GRAVBURG; [79240] JALMAT; TAN-VATES-7 RVR5 (GAS)	784.12	3/8/1978	7/1/1978	24S	37E	30	1725 FEL 330 FNL
	3002535130000	FAE II Operating LLC	JACK B 30 3	3700	OIL	[33820] JALMAT; TAN-VATES-7 RVR5 (OIL) ; [37240] LANGLE MATTX; 7 RVR5-Q-GRAVBURG	825.43	9/8/2000	9/25/2000	24S	37E	30	660 FEL 660 FNL
	NUJ 245 37E 299D	FAE II Operating LLC	JACK B 30 6		LOC-INJ	New Injection Location	1208.01	TBD	TBD	24S	37E	30	1348 FNL 250 FEL
	3002525630000	FAE II Operating LLC	ADELE SOWELL 1	3700	GAS	[37240] LANGLE MATTX; 7 RVR5-Q-GRAVBURG	1427.53	8/27/1977	9/23/1977	24S	37E	19	990 FEL 330 FSL
	NUJ 245 37E 30HH	FAE II Operating LLC	JACK B 30 8		LOC-INJ	New Injection Location	1495.2	TBD	TBD	24S	37E	30	2523 FNL 1340 FEL
	30025262390000	ATLANTIC RICHFIELD COMPANY THE	HARRISON 2	3682	PLUGOIL	PLUGGED	1722.94	2/17/1979	4/26/1979	24S	37E	29	330 FNL 990 FNL
	NUJ 245 37E 29EE	FAE II Operating LLC	JACK B 30 7		LOC-INJ	New Injection Location	1740.07	TBD	TBD	24S	30	2320 FNL 248 FEL	
	3002511630000	CITIES SERVICE OIL & GAS CORPORATION	THOMAS 1	3663	PLUGGAS	PLUGGED	1798.64	8/30/1950	10/9/1950	24S	37E	19	1980 FEL 660 FSL
	3002511290000	LEGACY RESERVES OPERATING, LP	COOPER JAL UNIT #228	3134	INJECT	[79240] JALMAT; TAN-VATES-7 RVR5 (GAS)	2085.21	1/3/1937	3/17/1937	24S	37E	29	660 FNL 660 FNL
	30025112820000	APACHE CORPORATION	W/H HARRISON A WVN COM #2	3650	GAS	[79240] JALMAT; TAN-VATES-7 RVR5 (OIL)	1943.36	10/30/1949	11/24/1949	24S	37E	30	1917 FNL 660 FNL
	30025284640000	FAE II Operating LLC	THOMAS A #4	3691	OIL	[37240] LANGLE MATTX; 7 RVR5-Q-GRAVBURG	2089.24	12/16/1983	1/13/1984	24S	37E	19	1880 FEL 990 FS
	002512839000	LEGACY RESERVES OPERATING, LP	COOPER JAL UNIT #232	3130	OIL	[33820] JALMAT; TAN-VATES-7 RVR5 (OIL)	2131.83	9/11/1949	10/12/1949	24S	37E	30	1917 FNL 1980 FS
	002516100000	FAE II Operating LLC	GULF EDIE CORRIGAN 2	3734	GAS	[37240] LANGLE MATTX; 7 RVR5-Q-GRAVBURG	2216.71	10/8/1978	10/29/1978	24S	37E	30	330 FEL 2310 FS
	002526060000	YUROKA JOHN	HARRISON 1	3680	PLUGOIL	PLUGGED	2257.83	8/21/1978	10/26/1978	24S	37E	29	660 FNL 1980 FNL
	0025287980000	FAE II Operating LLC	C D WOOLWORTH #7	3750	OIL	[33820] JALMAT; TAN-VATES-7 RVR5 (OIL) ; [37240] LANGLE MATTX; 7 RVR5-Q-GRAVBURG	2348.01	7/31/1984	10/1/1984	24S	37E	30	1980 FEL 1980 FS
	0025112850000	GULF OIL CORPORATION	WOOLWORTH 1	3803	PLUGGAS	PLUGGED	2390.38	3/27/1937	5/23/1937	24S	37E	30	660 FEL 1980 FS
	0025292690000	LEGACY RESERVES OPERATING, LP	COOPER JAL UNIT #413	3775	OIL	[33820] JALMAT; TAN-VATES-7 RVR5 (OIL) ; [37240] LANGLE MATTX; 7 RVR5-Q-GRAVBURG	2534.97	5/27/1995	8/14/1995	24S	37E	30	1300 FNL 1250 FNL
	0025111600000	LEGACY RESERVES OPERATING, LP	COOPER JAL UNIT #221	3770	OIL	[37240] LANGLE MATTX; 7 RVR5-Q-GRAVBURG	2551.22	8/29/1949	9/16/1949	24S	37E	19	1916 FNL 660 FS

Exhibit B10

JACK B 30 #6

1/2 Mile Radius	UWI/API	OPERATOR	WELL LABEL	ID	WELL TYPE	CURRENT ZONE	Distance from JACK B 30 #6 (feet)	SPUD DATE	COMP DATE	TOWNSHIP	RANGE	SECTION	FOOTAGE
	NUJ 245-37E 290D	FAE II Operating LLC	JACK B 30 6		LOC-INJ	New Injection Location	0	TBD	TBD	24S	37E	30	1348 FNL 250 FEL
	3002562390000	ATLANTIC RICHFIELD COMPANY THE	HARRISON 2	3682	PLUGOIL	PLUGGED	668.62	2/17/1979	4/26/1979	24S	37E	29	330 FNL 990 FNL
	30025112840000	FAE II Operating LLC	JACK B-30 1	3715	OIL	[33820] JALMAT-TAN-VATES-7 RVRB (OIL) ; [37240] LANGLE MATTX-7 RVRB-Q-GRAYBURG ; [79240] JALMAT-TAN-VATES-7 RVRB (GAS)	815.45	9/17/1947	10/20/1947	24S	37E	30	990 FEL 1650 FNL
	30025351390000	FAE II Operating LLC	JACK B 30 3	3700	OIL	[33820] JALMAT-TAN-VATES-7 RVRB (OIL) ; [37240] LANGLE MATTX-7 RVRB-Q-GRAYBURG	821.92	9/8/2000	9/25/2000	24S	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	24S	37E	30	2320 FNL 248 FEL
	3002560600000	YURONKA JOHN	HARRISON 1	3680	PLUGOIL	PLUGGED	1083.98	8/21/1978	10/26/1978	24S	37E	29	660 FNL 1980 FNL
	30025112820000	APACHE CORPORATION	W H HARRISON A W N COM #2	3650	GAS	[79240] JALMAT-TAN-VATES-7 RVRB (GAS)	1126.75	1/3/1937	3/17/1937	24S	37E	29	660 FNL 660 FNL
	NUJ 245-37E 30AA	FAE II Operating LLC	JACK B 30 5		LOC-INJ	New Injection Location	1208.01	TBD	TBD	24S	37E	30	1030 FNL 1416 FEL
	3002561000000	FAE II Operating LLC	JACK B 30 8		LOC-INJ	New Injection Location	1602.63	TBD	TBD	24S	37E	30	2523 FNL 1340 FEL
	3002526100000	FAE II Operating LLC	GULF EDDIE CORRIGAN 2	3734	GAS	[37240] LANGLE MATTX-7 RVRB-Q-GRAYBURG	1629.63	10/8/1978	10/29/1978	24S	37E	30	330 FEL 2310 FSL
	NUJ 245-37E 20VN	FAE II Operating LLC	KIMMY 5		LOC-INJ	New Injection Location	1788.19	TBD	TBD	24S	37E	29	201 FNL 1120 FNL
	30025258710000	FAE II Operating LLC	JACK B 30 2	3715	OIL	[37240] LANGLE MATTX-7 RVRB-Q-GRAYBURG ; [79240] JALMAT-TAN-VATES-7 RVRB (GAS)	1817.98	3/8/1978	7/1/1978	24S	37E	30	1725 FEL 330 FNL
	30025256300000	FAE II Operating LLC	ADELE SOWELL 1	3700	GAS	[37240] LANGLE MATTX-7 RVRB-Q-GRAYBURG	1854.23	8/27/1977	9/23/1977	24S	37E	19	990 FEL 330 FSL
	3002562430000	FAE II Operating LLC	KIMMY K #1	3680	GAS	[37240] LANGLE MATTX-7 RVRB-Q-GRAYBURG	1910.72	2/28/1979	3/21/1979	24S	37E	29	1650 FNL 990 FSL
	30025112830000	GULF OIL CORPORATION	WOOLWORTH 1	3803	PLUGGAS	PLUGGED	2004.46	3/27/1937	5/23/1937	24S	37E	30	660 FEL 1980 FSL
	3002564900000	FAE II Operating LLC	KIMMY K #002	3660	SWD	[37240] LANGLE MATTX-7 RVRB-Q-GRAYBURG ; [96121] SWD/SAN ANDRES ; [96132] SWD/SEVEN RIVERS-OLJEEN	2104.14	10/4/1979	12/10/1979	24S	37E	29	1650 FNL 2310 FSL
	30025112830000	APACHE CORPORATION	W N H HARRISON D W N COM #1	3699	PLUGGAS	PLUGGED	2147.4	6/23/1937	8/27/1937	24S	37E	29	660 FNL 1980 FNL
	30025254910000	FAE II Operating LLC	FLUOR HARRISON #1	3700	GAS	[79240] JALMAT-TAN-VATES-7 RVRB (GAS)	2202.82	4/11/1977	5/4/1977	24S	37E	20	660 FNL 660 FSL
	30025256430000	FAE II Operating LLC	KIMMY #3	3670	OIL	[37240] LANGLE MATTX-7 RVRB-Q-GRAYBURG	2352.6	8/23/1979	10/27/1979	24S	37E	29	330 FNL 1650 FSL
	3002560300000	FAE II Operating LLC	HENRY HARRISON #1	3816	GAS	[37240] LANGLE MATTX-7 RVRB-Q-GRAYBURG	2519.98	8/31/1978	9/26/1978	24S	37E	20	1650 FNL 330 FSL
	30025287980000	FAE II Operating LLC	C D WOOLWORTH #7	3750	OIL	[33820] JALMAT-TAN-VATES-7 RVRB (OIL) ; [37240] LANGLE MATTX-7 RVRB-Q-GRAYBURG	2624.91	7/31/1984	10/1/1984	24S	37E	30	1980 FEL 1980 FSL

Exhibit B11

JACK B 30 #7

1/2 Mile Radius												
UW/LAPI	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 299E	FAE II Operating LLC	JACK B 30 7		LOC-INJ	New Injection Location	0	TBD	TBD	24S	37E	30	2320 FNL 248 FEL
30025261000000	FAE II Operating LLC	GULF EDDIE CORRIGAN 2	3724	Gas	[37240] LANGUE MAITIX-7 RVRs-Q-GRAYBURG	662.06	10/8/1978	10/29/1978	24S	37E	30	330 FEL 2310 FSL
30025260600000	YKRONKA JOHN	HARRISON 1	3680	PLUGOIL	PLUGGED	951.4	8/21/1978	10/26/1978	24S	37E	29	660 FNL 1980 FNL
NIU 245-37E 290D	FAE II Operating LLC	JACK B 30 6		LOC-INJ	New Injection Location	972.49	TBD	TBD	24S	37E	30	1348 FNL 250 FEL
30025112840000	FAE II Operating LLC	JACK B-30 1	3715	OIL	[33820] JALMATA-TAN-VATES-7 RVRs (OIL) ; [37240] LANGUE MAITIX-7 RVRs-Q-GRAYBURG ; [79240] JALMATA-TAN-VATES-7 RVRs (GAS)	1023.84	9/17/1947	10/20/1947	24S	37E	30	990 FEL 1650 FNL
30025112850000	GULF OIL CORPORATION	WOOLWORTH 1	3803	PLUGGAS	PLUGGED	1076.29	3/27/1937	5/23/1937	24S	37E	30	660 FEL 1980 FSL
NIU 245-37E 30PH	FAE II Operating LLC	JACK B 30 8		LOC-INJ	New Injection Location	1110.1	TBD	TBD	24S	37E	30	2523 FNL 1340 FEL
30025112830000	APACHE CORPORATION	WMH HARRISON D WVN COM #1	3699	PLUGGAS	PLUGGED	1323.48	6/23/1937	8/27/1937	24S	37E	29	660 FNL 1980 FSL
30025264370000	FAE II Operating LLC	KIMMY #3	3670	OIL	[37240] LANGUE MAITIX-7 RVRs-Q-GRAYBURG	1425.8	8/29/1979	10/27/1979	24S	37E	29	330 FNL 1650 FSL
30025262390000	ATLANTIC RICHFIELD COMPANY THE	HARRISON 2	3682	PLUGOIL	PLUGGED	1452.87	2/17/1979	4/26/1979	24S	37E	29	330 FNL 990 FNL
30025351390000	FAE II Operating LLC	JACK B 30 3	3700	OIL	[33820] JALMATA-TAN-VATES-7 RVRs (OIL) ; [37240] LANGUE MAITIX-7 RVRs-Q-GRAYBURG	1726.77	9/8/2000	9/25/2000	24S	37E	30	660 FEL 660 FNL
NIU 245-37E 300A	FAE II Operating LLC	JACK B 30 5		LOC-INJ	New Injection Location	1740.07	TBD	TBD	24S	37E	30	1030 FNL 1416 FEL
NIU 245-37E 301I	FAE II Operating LLC	C D WOOLWORTH #12		LOC-INJ	New Injection Location	1774.03	TBD	TBD	24S	37E	30	1461 FSL 1210 FEL
30025264900000	FAE II Operating LLC	KIMMY K #002	3660	SWD	[37240] LANGUE MAITIX-7 RVRs-Q-GRAYBURG ; [96121] SWD;SAN ANDRES ; [96132] SWD;SEVEN RIVERS-QUEEN	1874.9	10/4/1979	12/10/1979	24S	37E	29	1650 FNL 2310 FNL
30025112820000	APACHE CORPORATION	WH HARRISON A WVN COM #2	3650	Gas	[79240] JALMATA-TAN-VATES-7 RVRs (GAS)	1889.02	1/3/1937	3/17/1937	24S	37E	29	660 FNL 660 FNL
30025260800000	FAE II Operating LLC	GULF EDDIE CORRIGAN 1	3750	Gas	[37240] LANGUE MAITIX-7 RVRs-Q-GRAYBURG	1977.42	9/29/1978	10/27/1978	24S	37E	30	330 FEL 990 FSL
30025263800000	FAE II Operating LLC	C D WOOLWORTH #7	3750	OIL	[33820] JALMATA-TAN-VATES-7 RVRs (OIL) ; [37240] LANGUE MAITIX-7 RVRs-Q-GRAYBURG	2009.51	7/31/1984	10/1/1984	24S	37E	30	1980 FEL 1980 FSL
30025263630000	FAE II Operating LLC	KIMMY #4	3653	OIL	[37240] LANGUE MAITIX-7 RVRs-Q-GRAYBURG	2255.11	1/24/1980	2/2/1980	24S	37E	29	660 FNL 990 FSL
30025262430000	FAE II Operating LLC	KIMMY K #1	3680	Gas	[37240] LANGUE MAITIX-7 RVRs-Q-GRAYBURG	2303.77	2/28/1979	3/21/1979	24S	37E	29	1650 FNL 990 FSL
U 245-37E 29KK	FAE II Operating LLC	KIMMY 6	3756	GAS	[79240] JALMATA-TAN-VATES-7 RVRs (GAS)	2412.9	4/23/1981	8/9/1981	24S	37E	29	1085 FSL 1299 FSL
U 245-37E 29MN	FAE II Operating LLC	JACK B 30 2	3715	OIL	[37240] LANGUE MAITIX-7 RVRs-Q-GRAYBURG ; [79240] JALMATA-TAN-VATES-7 RVRs (GAS)	2500.82	3/8/1978	7/1/1978	24S	37E	30	1725 FEL 330 FNL
30025112860000	FAE II Operating LLC	KIMMY 5	3757	LOC-INJ	New Injection Location	2524.54	TBD	TBD	24S	37E	29	201 FNL 1120 FNL
30025112860000	GULF OIL CORPORATION	WOOLWORTH 2	3657	PLUGGAS	PLUGGED	2635.15	1/1/1940	4/10/1940	24S	37E	30	330 FEL 330 FSL

Exhibit B12

JACK B 30 #8

1/2 Mile Radius	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-NU	New Injection Location	0	TBD	TBD	24S	37E	30	2523 FNL 1340 FEL
30025112840000	FAE II Operating LLC	JACK B-30 1	3715	OIL	[33820] JALMATAJAN-VATES-7 RVRIS (OIL) ; [37240] LANGUE MATTX-7 RVRIS-Q-GRAYBURG ; [79240] JALMATAJAN-VATES-7 RVRIS (GAS)	943.38	9/17/1947	10/20/1947	24S	37E	30	990 FEL 1650 FNL
30025112850000	GULF OIL CORPORATION	WOOLWORTH 1	3803	PLUGGAS	PLUGGED	1021.38	3/27/1937	5/23/1937	24S	37E	30	660 FEL 1980 FSL
30025287980000	FAE II Operating LLC	C D WOOLWORTH #7	3750	OIL	[33820] JALMATAJAN-VATES-7 RVRIS (OIL) ; [37240] LANGUE MATTX-7 RVRIS-Q-GRAYBURG	1022.91	7/31/1984	10/1/1984	24S	37E	30	1980 FEL 1980 FSL
30025261000000	FAE II Operating LLC	GULF EDDIE CORRIGAN 2	3734	GAS	[37240] LANGUE MATTX-7 RVRIS-Q-GRAYBURG	1086.59	10/8/1978	10/29/1978	24S	37E	30	330 FEL 2310 FSL
NIU 245-37E-29HE	FAE II Operating LLC	JACK B 30 7		LOC-NU	New Injection Location	1110.1	TBD	TBD	24S	37E	30	2320 FNL 248 FEL
NIU 245-37E-30II	FAE II Operating LLC	C D WOOLWORTH #12		LOC-NU	New Injection Location	1294.98	TBD	TBD	24S	37E	30	1461 FSL 1210 FEL
NIU 245-37E-300A	FAE II Operating LLC	JACK B 30 5		LOC-NU	New Injection Location	1495.2	TBD	TBD	24S	37E	30	1030 FNL 1416 FEL
NIU 245-37E-29DD	FAE II Operating LLC	JACK B 30 6		LOC-NU	New Injection Location	1602.63	TBD	TBD	24S	37E	30	1348 FNL 250 FEL
30025338810000	FAE II Operating LLC	C D WOOLWORTH #10	3750	OIL	[33820] JALMATAJAN-VATES-7 RVRIS (OIL) ; [37240] LANGUE MATTX-7 RVRIS-Q-GRAYBURG	1888.14	3/29/1997	5/29/1997	24S	37E	30	2630 FEL 1400 FSL
30025351390000	FAE II Operating LLC	JACK B 30 3	3700	OIL	[33820] JALMATAJAN-VATES-7 RVRIS (OIL) ; [37240] LANGUE MATTX-7 RVRIS-Q-GRAYBURG	1985.61	9/8/2000	9/25/2000	24S	37E	30	660 FEL 660 FNL
30025264370000	FAE II Operating LLC	KIMMY #3	3670	OIL	[37240] LANGUE MATTX-7 RVRIS-Q-GRAYBURG	1986.23	8/23/1979	10/27/1979	24S	37E	29	330 FNL 1650 FSL
30025260860000	FAE II Operating LLC	GULF EDDIE CORRIGAN 1	3750	GAS	[37240] LANGUE MATTX-7 RVRIS-Q-GRAYBURG	2028.32	9/29/1978	10/27/1978	24S	37E	30	330 FEL 990 FSL
30025260600000	YURONKA JOHN	HARRISON 1	3680	PLUGOIL	PLUGGED	2052.06	8/21/1978	10/26/1978	24S	37E	29	660 FNL 1980 FSL
30025112890000	LEGACY RESERVES OPERATING, LP	COOPER JAL UNIT #232	3130	OIL	[33820] JALMATAJAN-VATES-7 RVRIS (OIL)	2061.32	9/11/1949	10/12/1949	24S	37E	30	1917 FNL 1980 FSL
30025112870000	GULF OIL CORPORATION	CD WOOLWORTH 3	3800	PLUGGAS	PLUGGED	2078.15	5/9/1949	6/12/1949	24S	37E	30	1980 FNL 1980 FSL
30025328620000	FAE II Operating LLC	C D WOOLWORTH #8	3800	OIL	[33820] JALMATAJAN-VATES-7 RVRIS (OIL)	2097.83	4/24/1995	7/14/1995	24S	37E	30	1980 FNL 1930 FSL
30025112830000	APACHE CORPORATION	WMH HARRISON D WN COM#1	3699	PLUGGAS	PLUGGED	2126.34	6/23/1937	8/27/1937	24S	37E	29	660 FNL 1980 FSL
30025287310000	FAE II Operating LLC	C D WOOLWORTH #6	3750	OIL	[33820] JALMATAJAN-VATES-7 RVRIS (OIL) ; [37240] LANGUE MATTX-7 RVRIS-Q-GRAYBURG ; [79240] JALMATAJAN-VATES-7 RVRIS (GAS)	2203.23	5/31/1984	10/10/1984	24S	37E	30	1980 FEL 660 FSL
3002528710000	FAE II Operating LLC	JACK B 30 2	3715	OIL	[37240] LANGUE MATTX-7 RVRIS-Q-GRAYBURG ; [79240] JALMATAJAN-VATES-7 RVRIS (GAS)	2240.33	3/8/1978	7/1/1978	24S	37E	30	1725 FEL 330 FNL
30025262390000	ATLANTIC RICHFIELD COMPANY THE	HARRISON 2	3682	PLUGOIL	PLUGGED	2258.09	2/17/1979	4/26/1979	24S	37E	29	330 FNL 990 FSL
30025112860000	GULF OIL CORPORATION	WOOLWORTH 2	3657	PLUGGAS	PLUGGED	2624.15	1/1/1940	4/10/1940	24S	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
NUJ 245-37E-30I	FAE II Operating LLC	C D WOOLWORTH #12	3803	LOC-NU	New Injection Location	0	TBD	TBD	245	37E	30	1461 FSL 1210 FSL
3002512850000	GULF OIL CORPORATION	WOOLWORTH 1		PLOGGAS	PLUGGED	730.65	3/27/1987	5/23/1987	245	37E	30	660 FEL 1980 FSL
30025287980000	FAE II Operating LLC	C D WOOLWORTH #7	3750	OIL	[33820] JALMAT; TAN-VATES-7 RVRS (OIL); [37240] LANGUE MATTX;7 RVRS-Q-GRAVBURG	940.29	7/31/1984	10/1/1984	245	37E	30	1980 FEL 1980 FSL
30025287980000	FAE II Operating LLC	C D WOOLWORTH #6	3750	OIL	[37240] LANGUE MATTX;7 RVRS-Q-GRAVBURG	988.78	9/29/1978	10/27/1978	245	37E	30	330 FEL 990 FSL
30025287980000	FAE II Operating LLC	C D WOOLWORTH #1	3750	GAS	[33820] JALMAT; TAN-VATES-7 RVRS (OIL); [37240] LANGUE MATTX;7 RVRS-Q-GRAVBURG	1135.47	5/31/1984	10/10/1984	245	37E	30	1980 FEL 660 FSL
30025287980000	FAE II Operating LLC	C D WOOLWORTH #2	3734	GAS	[37240] LANGUE MATTX;7 RVRS-Q-GRAVBURG	1198.81	10/8/1978	10/29/1978	245	37E	30	330 FEL 2310 FSL
3002512850000	FAE II Operating LLC	WOOLWORTH 2	3657	LOC-NU	New Injection Location	1294.98	TBD	TBD	245	37E	30	2523 FSL 1340 FSL
30025338810000	FAE II Operating LLC	C D WOOLWORTH #10	3750	OIL	[33820] JALMAT; TAN-VATES-7 RVRS (OIL); [37240] LANGUE MATTX;7 RVRS-Q-GRAVBURG	1443.48	3/29/1997	5/29/1997	245	37E	30	2630 FEL 1400 FSL
30025287980000	FAE II Operating LLC	C D WOOLWORTH #9	3670	OIL	[37240] LANGUE MATTX;7 RVRS-Q-GRAVBURG	1526.88	8/23/1979	10/27/1979	245	37E	29	330 FSL 1650 FSL
3002512830000	FAE II Operating LLC	JACK B 30 7	3699	LOC-NU	New Injection Location	1774.03	TBD	TBD	245	37E	30	2320 FSL 248 FSL
30025287980000	APACHE CORPORATION	WMI HARRISON D WVI COM #1	3653	PLOGGAS	PLUGGED	1916.62	6/23/1987	8/27/1987	245	37E	29	660 FSL 1980 FSL
30025287980000	FAE II Operating LLC	C D WOOLWORTH #8	3800	OIL	[37240] LANGUE MATTX;7 RVRS-Q-GRAVBURG	1936.56	1/24/1980	2/12/1980	245	37E	29	660 FSL 890 FSL
3002512830000	FAE II Operating LLC	C D WOOLWORTH #3	3300	PLOGGAS	[33820] JALMAT; TAN-VATES-7 RVRS (OIL); [37240] LANGUE MATTX;7 RVRS-Q-GRAVBURG	2107.35	4/24/1995	7/14/1995	245	37E	30	1980 FSL 1930 FSL
3002512830000	FAE II Operating LLC	JACK B 30 1	3715	OIL	[33820] JALMAT; TAN-VATES-7 RVRS (OIL); [37240] LANGUE MATTX;7 RVRS-Q-GRAVBURG; [79240] JALMAT; TAN-VATES-7 RVRS (GAS)	2118.96	5/9/1949	6/12/1949	245	37E	30	1980 FSL 1980 FSL
0025328630000	OXY USA INC	C D WOOLWORTH #9	3800	PLOGGAS	PLUGGED	2215.4	9/17/1947	10/20/1947	245	37E	30	990 FEL 1650 FSL
0025248370000	LEGACY RESERVICES OPERATING, LP	LANGUE FAL UNIT #002	3850	PLOGGAS	PLUGGED	2518.07	4/30/1995	6/21/1995	245	37E	30	1980 FSL 660 FSL
0025328620000	FAE II Operating LLC	KIMMY 6	3548	LOC-NU	New Injection Location	2536.29	9/7/1974	10/5/1974	245	37E	31	660 FEL 990 FSL
002513040000	LEGACY RESERVICES OPERATING, LP	LANGUE FAL UNIT #001	3548	PLOGGAS	PLUGGED	2584.17	TBD	TBD	245	37E	29	1085 FSL 1299 FSL
0025286030000	VURONKA JOHN	HARRISON 1	3680	PLOGGAS	PLUGGED	2606.67	7/19/1987	9/11/1987	245	37E	31	1977 FEL 990 FSL
0025112940000	Petroleum Exploration Company Ltd., Umi	MARTIN A #002	3545	GAS	[79240] JALMAT; TAN-VATES-7 RVRS (GAS)	2607.82	8/21/1978	10/26/1978	245	37E	29	660 FSL 1980 FSL
							8/11/1999	10/16/1999	245	37E	31	330 FEL 990 FSL

Exhibit B14

C D WOOLWORTH #13

1/2 Mile Radius	UWI/API	OPERATOR	WELL LABEL	ID	WELL TYPE	CURRENT ZONE	Distance from C D WOOLWORTH #13 (feet)	SPUD DATE	COMP DATE	TOWNSHIP	RANGE	SECTION	FOOTAGE
	NUJ 245-37E_30KK	FAE II Operating LLC	CD WOOLWORTH #13		LOC-INI	New Injection Location	0	TBD	TBD	24S	37E	30	1323 FSL 1212 FWL
	30025338820000	OXY USA INC	C D WOOLWORTH #11	3760	PLUGOIL	PLUGGED	145.84	4/14/1997	5/22/1997	24S	37E	30	1330 FWL 1185 FSL
	30025257900000	FAE II Operating LLC	C D WOOLWORTH #5	3750	OIL	[33820] JALMAT; TAN-VATES-7 RVRs (OIL) ; [37240] LANGLE MATTX; 7 RVRs-Q-GRAVBURG	890.39	2/27/1978	3/21/1978	24S	37E	30	660 FWL 660 FSL
	30025254640000	FAE II Operating LLC	C D WOOLWORTH #4	3700	OIL	[33820] JALMAT; TAN-VATES-7 RVRs (OIL) ; [37240] LANGLE MATTX; 7 RVRs-Q-GRAVBURG	913.24	3/22/1977	5/14/1977	24S	37E	30	760 FWL 2080 FSL
	30025328620000	FAE II Operating LLC	C D WOOLWORTH #8	3800	OIL	[33820] JALMAT; TAN-VATES-7 RVRs (OIL)	955.94	4/24/1995	7/14/1995	24S	37E	30	1980 FWL 1980 FSL
	30025328630000	OXY USA INC	C D WOOLWORTH #9	3800	PLUGOIL	PLUGGED	975.79	4/30/1995	6/21/1995	24S	37E	30	1980 FWL 660 FSL
	30025112870000	GULF OIL CORPORATION	CD WOOLWORTH 3	3300	PLUGGAS	PLUGGED	989.63	5/9/1949	6/12/1949	24S	37E	30	1980 FWL 1980 FSL
	NUJ 245-37E_30NN	FAE II Operating LLC	CD WOOLWORTH #14		LOC-INI	New Injection Location	1213.25	TBD	TBD	24S	37E	30	109 FSL 1249 FWL
	30025338810000	FAE II Operating LLC	CD WOOLWORTH #10	3750	OIL	[33820] JALMAT; TAN-VATES-7 RVRs (OIL) ; [37240] LANGLE MATTX; 7 RVRs-Q-GRAVBURG	1348.09	3/29/1997	5/29/1997	24S	37E	30	2630 FEL 1400 FSL
	30025096560000	FAE II Operating LLC	VAN ZANDT 1	3650	OIL	[37240] LANGLE MATTX; 7 RVRs-Q-GRAVBURG	2024.93	11/6/1948	2/1/1949	24S	36E	25	660 FEL 1980 FSL
	30025388830000	FAE II Operating LLC	MARTIN B 4	3835	TA	[37240] LANGLE MATTX; 7 RVRs-Q-GRAVBURG ; [79240] JALMAT; TAN-VATES-7 RVRs (GAS)	2054.91	9/2/2008	10/18/2008	24S	37E	31	660 FWL 660 FSL
	30025379590000	FAE II Operating LLC	MARTIN B 3	3550	GAS	[76480] EDMONT; YATES-7 RVRs-QUEEN (GAS) ; [79240] JALMAT; TAN-VATES-7 RVRs (GAS)	2078.82	1/3/2007	2/15/2007	24S	37E	31	1917 FWL 660 FSL
	30025112880000	LEGACY RESERVES OPERATING, LP	COOPER JAL UNIT #239	3180	INJECT	[33820] JALMAT; TAN-VATES-7 RVRs (OIL)	2081.85	4/13/1949	7/16/1949	24S	37E	30	660 FWL 1980 FSL
	30025287310000	FAE II Operating LLC	C D WOOLWORTH #6	3750	OIL	[37240] LANGLE MATTX; 7 RVRs-Q-GRAVBURG	2098.61	5/31/1984	10/10/1984	24S	37E	30	1980 FEL 660 FSL
	30025287980000	FAE II Operating LLC	C D WOOLWORTH #7	3750	OIL	[33820] JALMAT; TAN-VATES-7 RVRs (OIL) ; [37240] LANGLE MATTX; 7 RVRs-Q-GRAVBURG	2103.98	7/31/1984	10/1/1984	24S	37E	30	1980 FEL 1980 FSL
	30025112890000	LEGACY RESERVES OPERATING, LP	COOPER JAL UNIT #232	3130	OIL	[33820] JALMAT; TAN-VATES-7 RVRs (OIL)	2105.45	9/11/1949	10/12/1949	24S	37E	30	1917 FWL 1980 FSL

Exhibit B15

C D WOOLWORTH #14

1/2 Mile Radius	OPERATOR	WELL LABEL	ID	WELL TYPE	CURRENT ZONE	Distance from C D WOOLWORTH #14 (Feet)	SPUD DATE	COMP DATE	TOWNSHIP	RANGE	SECTION	FOOTAGE
NUJ 245-37E-30NN	FAE II Operating LLC	CD WOOLWORTH #14		LOC-NU	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-GRAVBURG	843.23	2/27/1978	3/21/1978	245	37E	30	660 FWL 660 FSL
30025328650000	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-GRAVBURG ; [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
NUJ 245-37E-30KK	FAE II Operating LLC	CD WOOLWORTH #13		LOC-NU	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	CD WOOLWORTH #10		OIL	[33820] JALMAT:TAN-YATES-7 RVRs (OIL) ; [37240] LANGUE MATTX;7 RVRs-Q-GRAVBURG	1845.91	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 RVRs (OIL)	1956.95	4/24/1995	7/14/1995	245	37E	30	1980 FWL 1930 FSL
30025112870000	GULF OIL CORPORATION	CD WOOLWORTH 3	3300	PLUGGAS	PLUGGED	2004.68	5/9/1949	6/12/1949	245	37E	30	1980 FWL 1980 FSL
30025287310000	FAE II Operating LLC	C D WOOLWORTH #6	3750	OIL	[33820] JALMAT:TAN-YATES-7 RVRs (OIL) ; [37240] LANGUE MATTX;7 RVRs-Q-GRAVBURG	2035.99	5/31/1984	10/10/1984	245	37E	30	1980 FEL 660 FSL
30025254640000	FAE II Operating LLC	C D WOOLWORTH #4	3700	OIL	[33820] JALMAT:TAN-YATES-7 RVRs (OIL) ; [37240] LANGUE MATTX;7 RVRs-Q-GRAVBURG	2052.4	3/22/1977	5/14/1977	245	37E	30	760 FWL 2080 FSL
30025097090000	FAE II Operating LLC	MCKINNEY #01	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 FNL
30025338650000	LEGACY RESERVES OPERATING, LP	LANGUE JAL UNIT #013	3600	PLUGINU	PLUGGED	2191.85	9/25/1971	4/10/1972	245	37E	31	1980 FWL 1980 FSL
30025112040000	LEGACY RESERVES OPERATING, LP	LANGUE JAL UNIT #001	3548	PLUGINU	PLUGGED	2244.32	7/19/1957	9/11/1957	245	37E	31	1977 FEL 1990 FNL
30025112960000	BXP Operating, LLC	LANGUE JAL UNIT #14	3517	OIL	[37240] LANGUE MATTX;7 RVRs-Q-GRAVBURG	2587.84	6/10/1949	7/25/1949	245	37E	31	330 FWL 2310 FNL

Part VI. Continued

Plugged Wellbore Diagrams

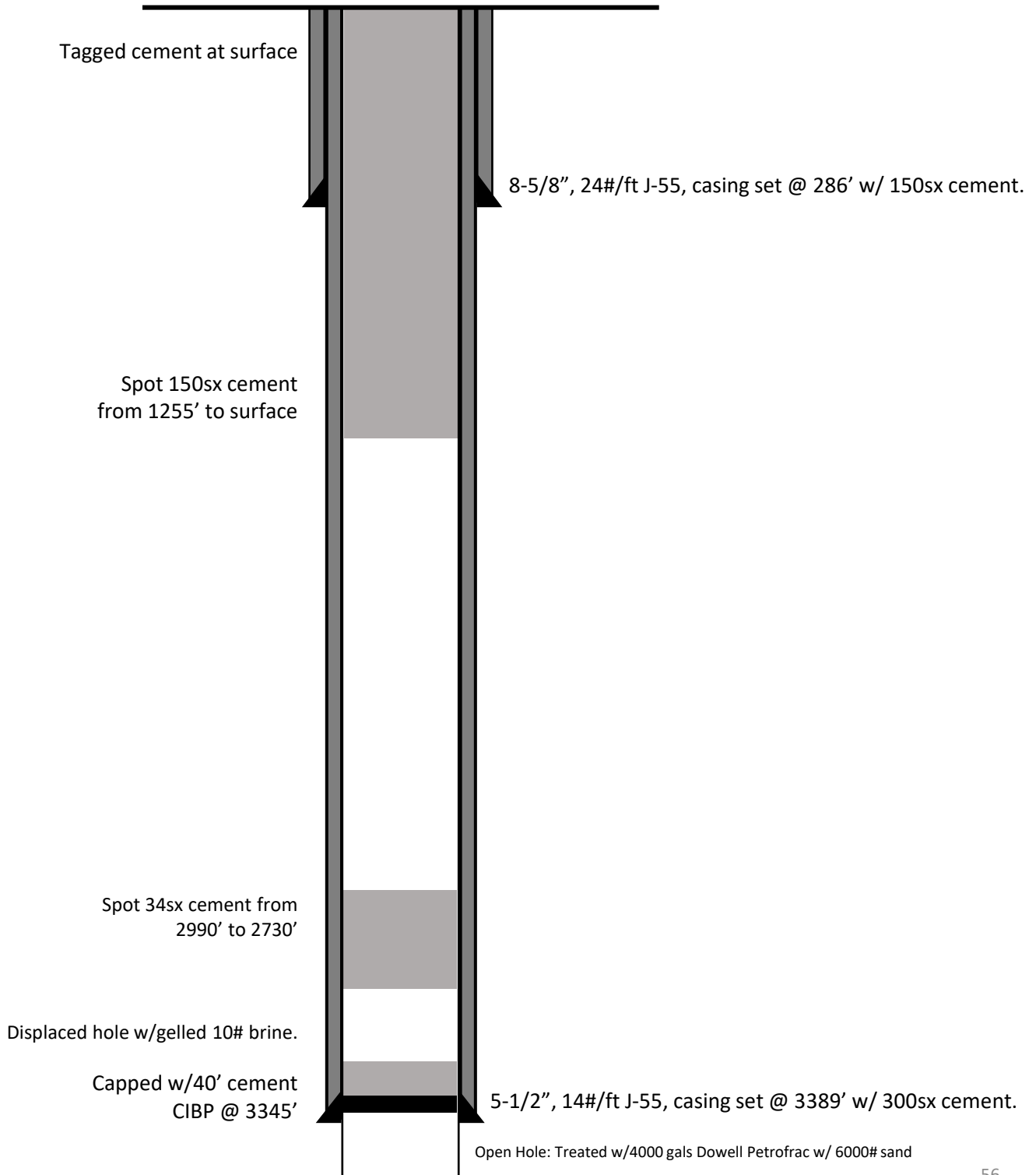
COOPER JAL UNIT #144

VI. Exhibit C1

API# 30-025-09663

990 FEL 2310 FNL,

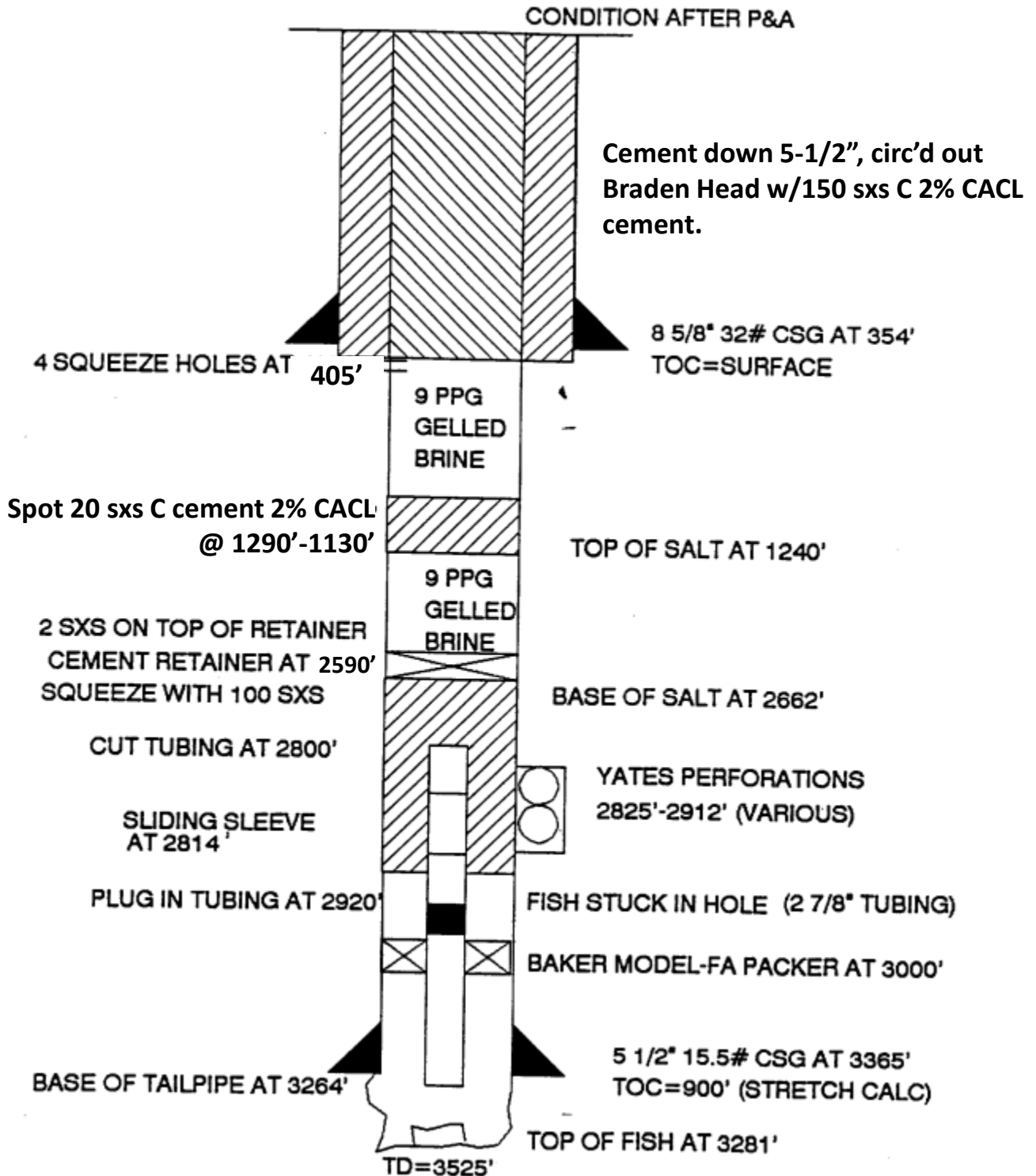
Sec 25, T24S, R37E Lea Co., NM



LANGLIE A STATE #2Y

VI. Exhibit C2

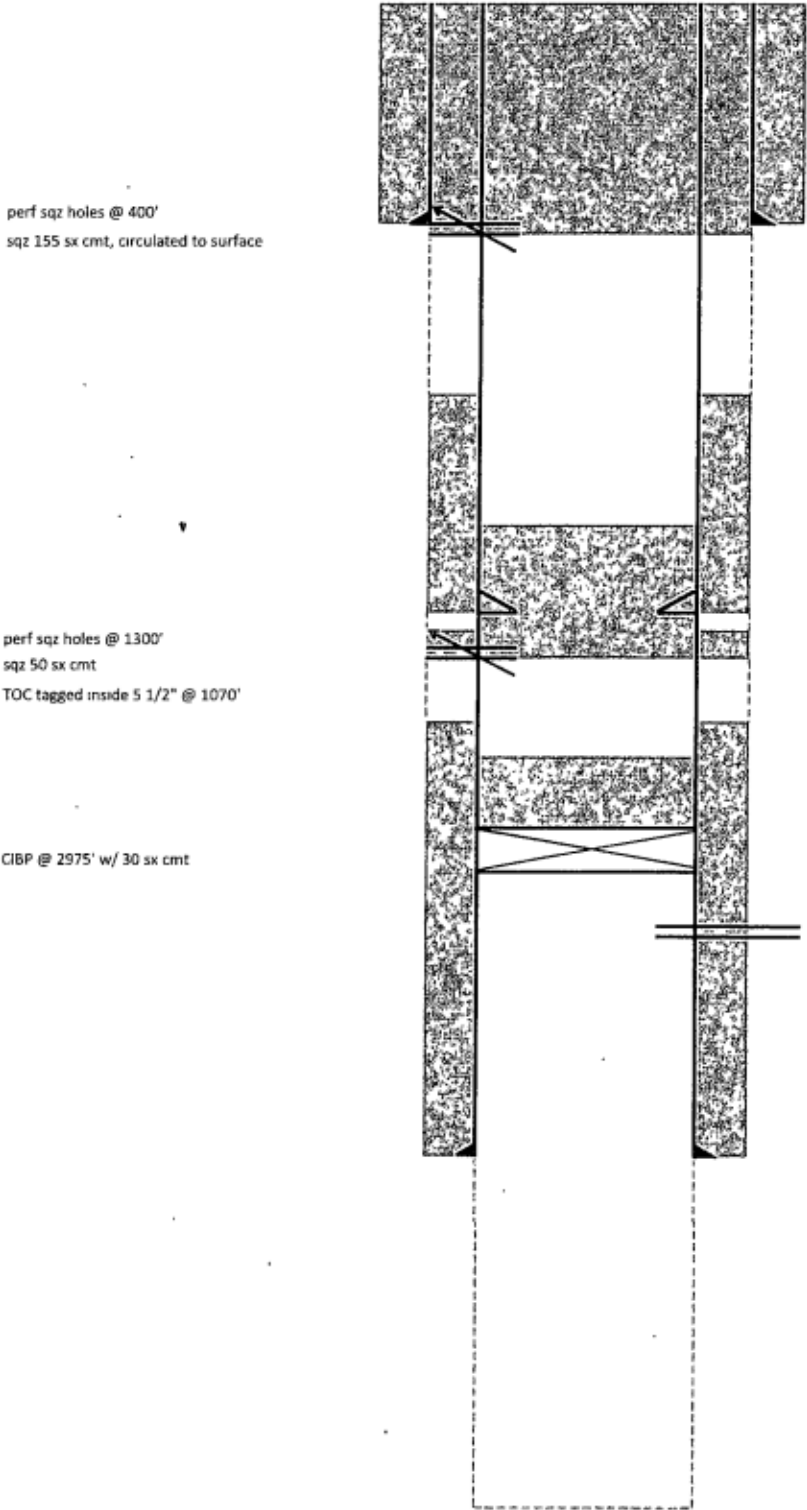
API# 30-025-09714
735 FEL 1980 FNL,
Sec 36, T24S, R36E Lea Co., NM



COOPER JAL UNIT #129

VI. Exhibit C3

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



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

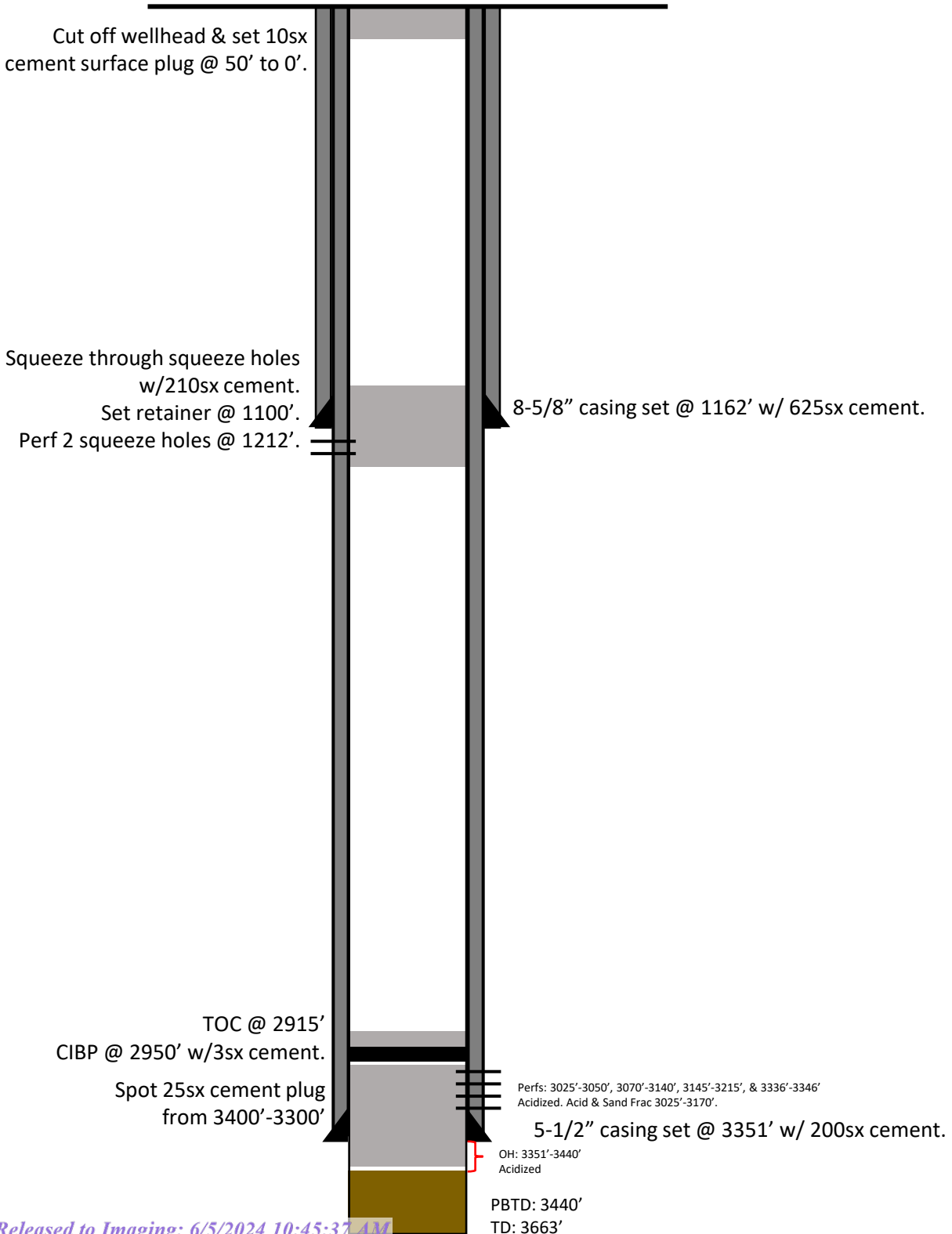
Hole Size (in):	Unknown
Top (ft):	3386
Bottom (ft):	3670

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
Perf @ 200'

Perf @ 1254'

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

4-3/4" OH 2870-3487'

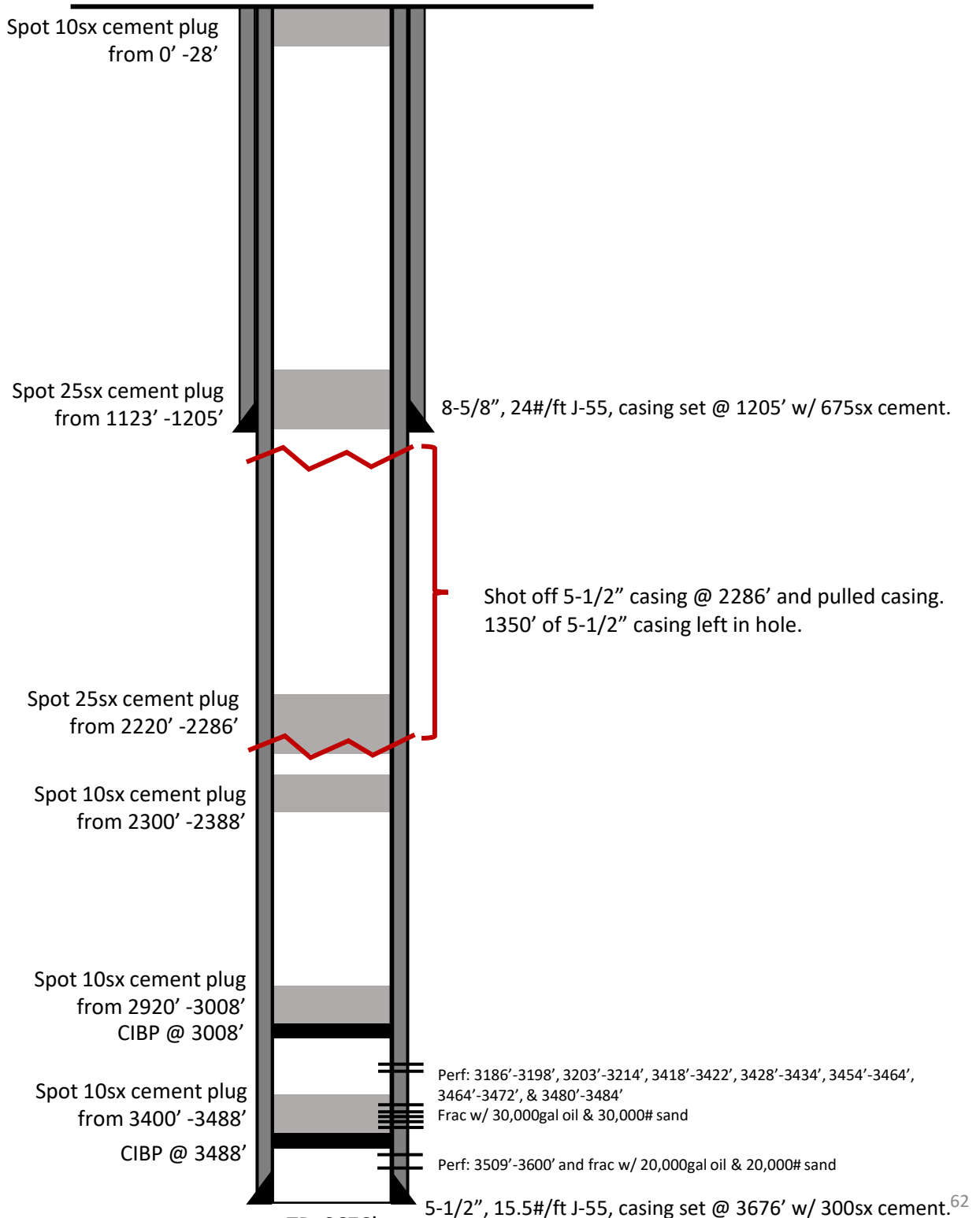
PBTD-3487'

TD-3680'

J J THOMAS #1

VI. Exhibit C7

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

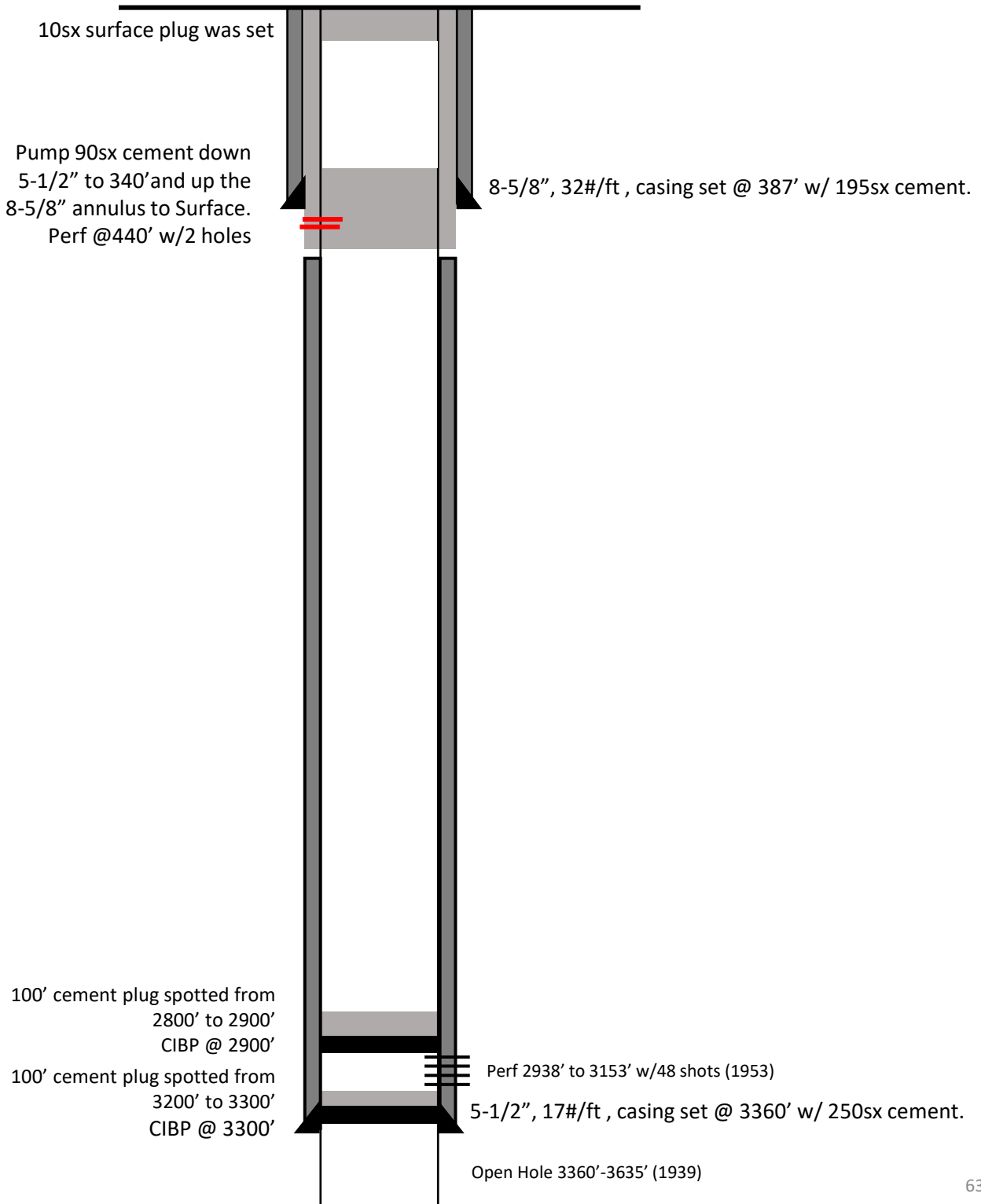


TD: 3676'

CALLEY A #1

VI. Exhibit C8

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



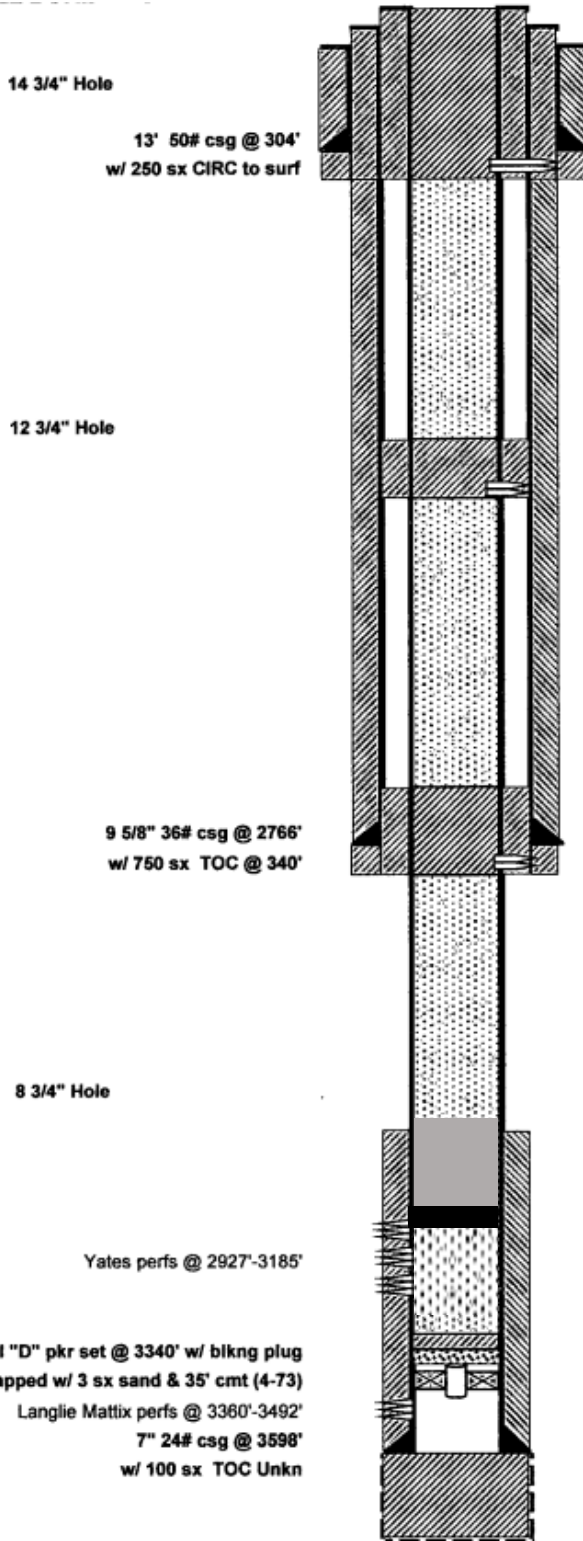
WM H HARRISON D WN COM #1

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.

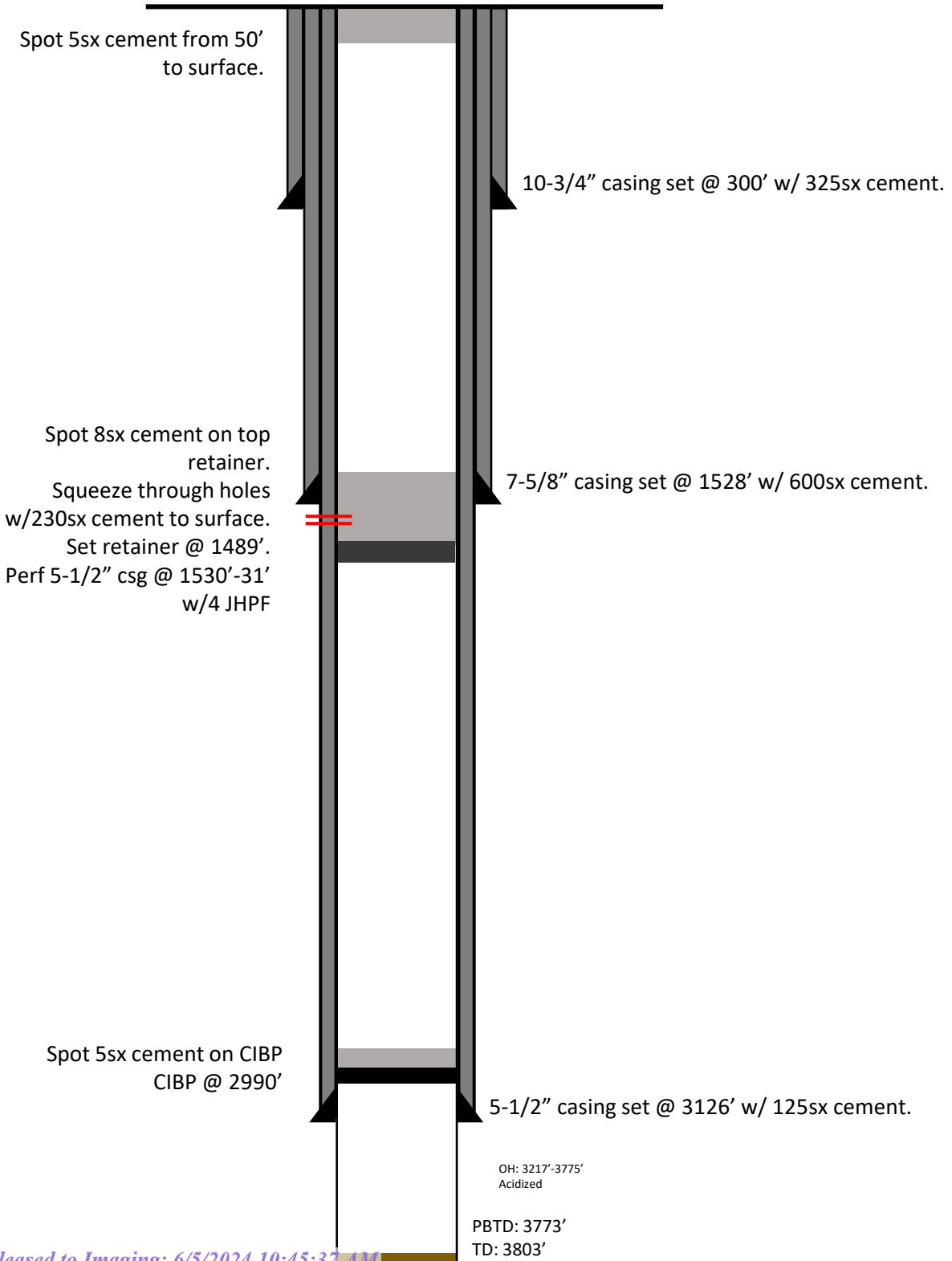
Cap CIBP w/10sx cement (60')
 Load hole w/113 bbls mud laden fluid
 Set CIBP @ 2900'

Tag existing plug @ 3259'

WOOLWORTH #1

VI. Exhibit C10

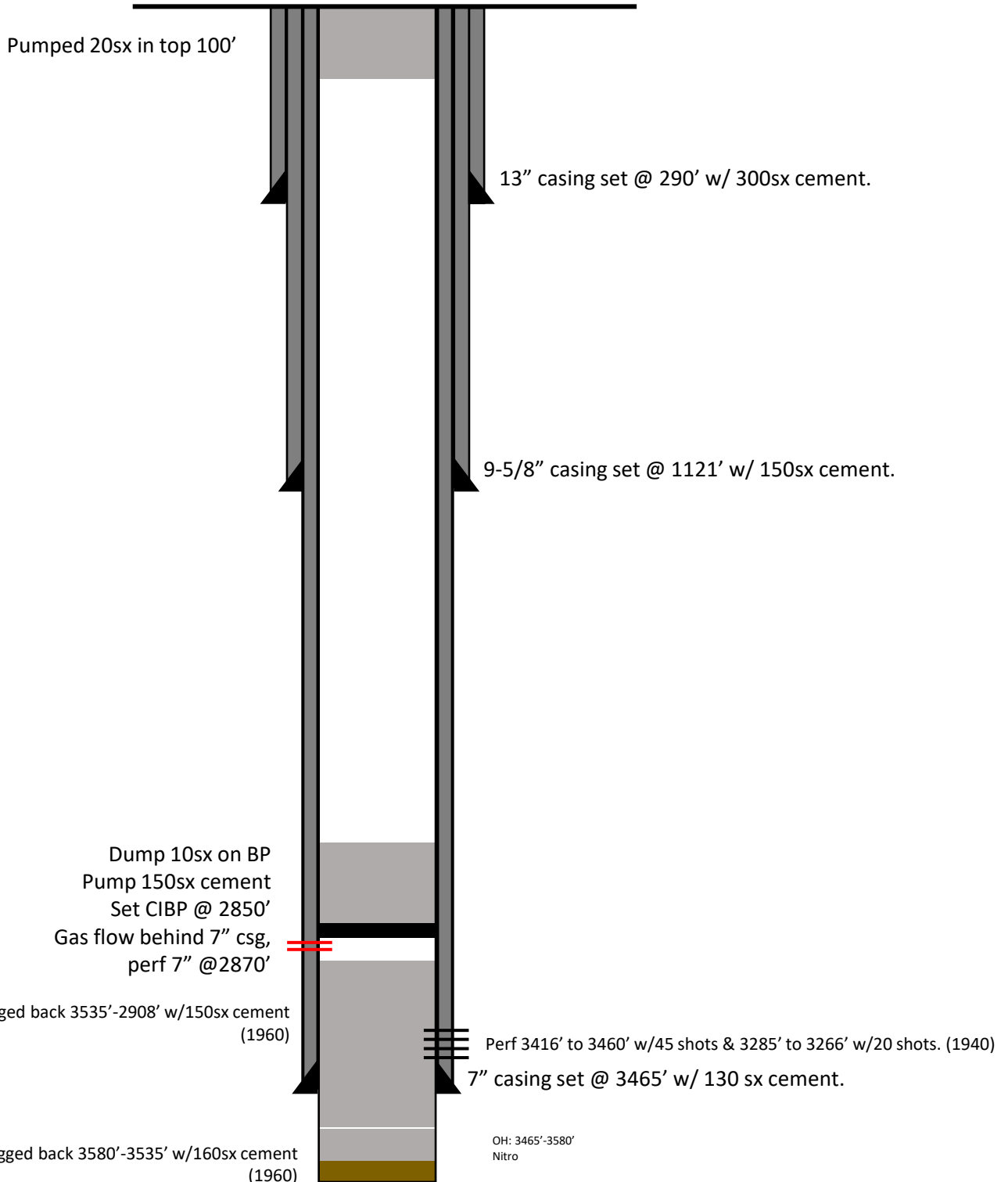
API# 30-025-11285
660 FEL 1980 FSL,
Sec 30, T24S, R37E Lea Co., NM



WOOLWORTH #2

VI. Exhibit C11

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

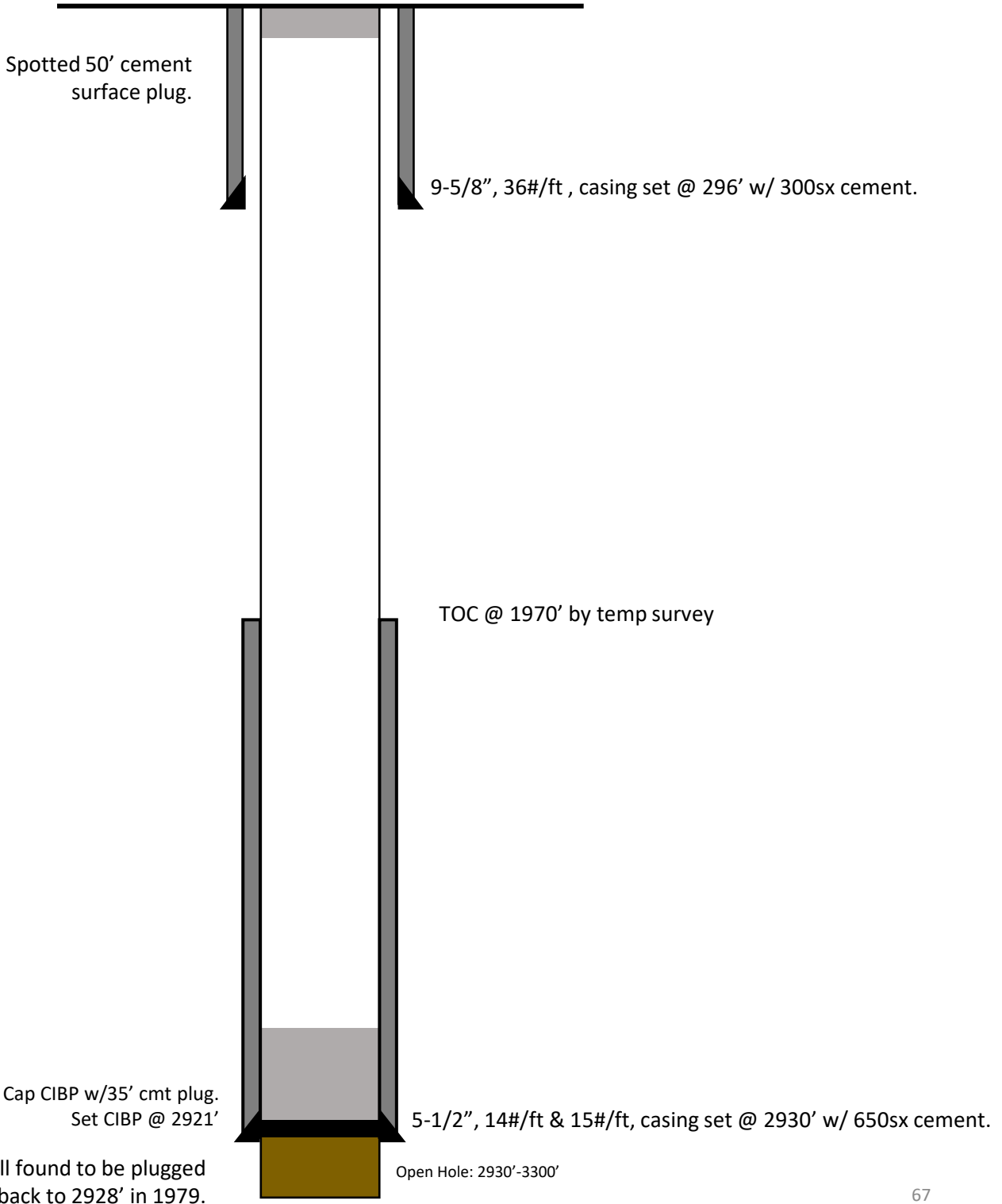


PRTD: 3580
TD: 3657'

CD WOOLWORTH #3

VI. Exhibit C12

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



Well found to be plugged back to 2928' in 1979.

LANGLIE JAL UNIT #012

VI. Exhibit C13

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

Field: **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
Lat:	
Long:	
Elevations:	
GL:	3236
DF:	3250
KB:	3250
KB Calc:	
ck wlog?	

Reservoir:	Langlie Jal
Well ID Info:	12
API No.:	30-025-11303
Spud Date:	6/1/1957

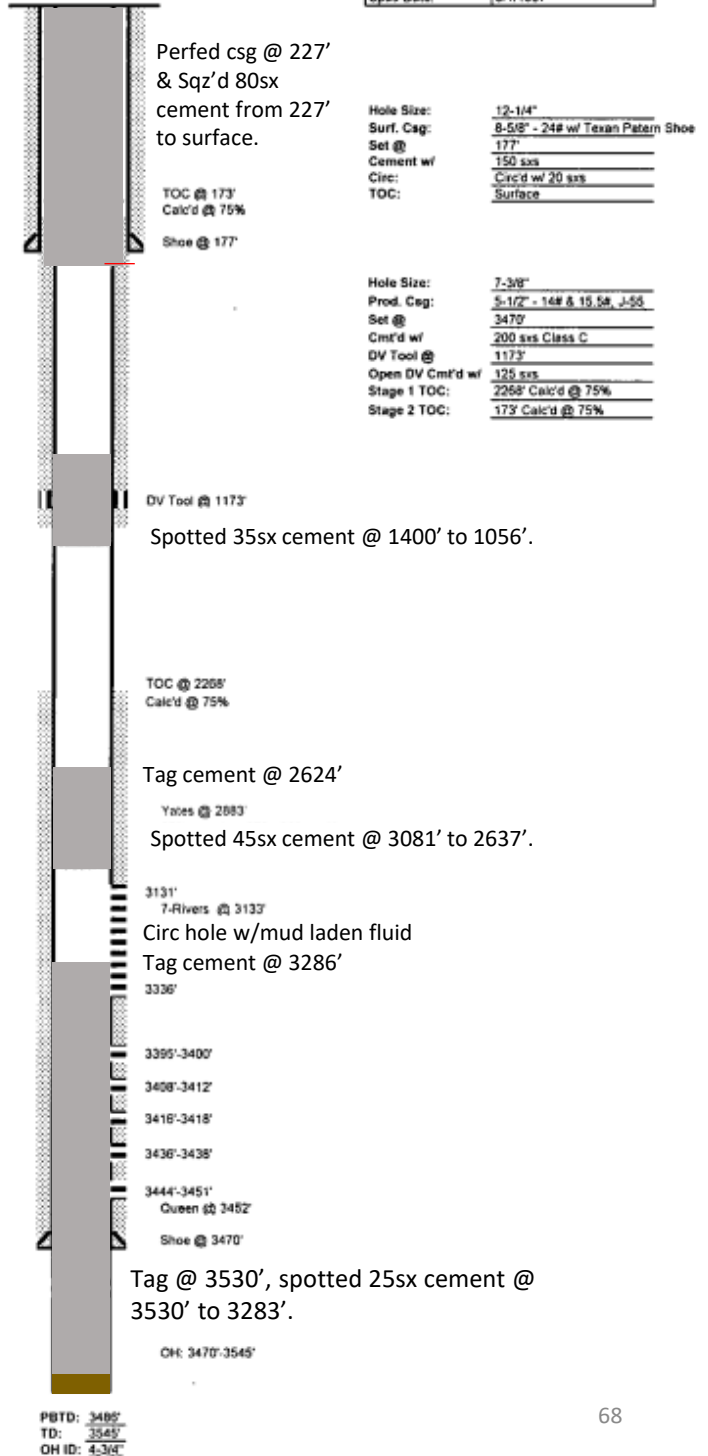
Date	History
01-Jun-57	OTD - 3545'. Treated w/ 100 gals Controflow prior to Frac. Hydra frac O.H. from 3470' to 3545' w/ 20,000 gals refined oil carrying 39,000# sand. Pmp'g: 60 bwpd & 18 bwpd.
15-Mar-74	Perfd 7-R and queen from: 3395'-3400', 3408'-12', 3416'-18', 3,436'-38' & 3,444'-3451'. 1 JSFP, 25 holes. Acidized with 2,000 gals. Pmp'g: 30 bwpd & 36 bwpd - TSTM gas.
15-Jul-81	Ran GR-CNL-CL 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.
09-May-94	RH w/ bit cleaned out fr 3486'. Drilled out to 3547'. Ran GR/Corr logs from 3486' to 1785'. Set CIBP @ 3385'. Swabbed test from 3385' to 3281'. No test reported. Drilled out CIBP and push to 3485'.
3-Oct-95	RU Wireline & set RBP @ 3342'. Perfd 7-R from 3131'-3336'. Frac'd w/ 2000 gals 15% HCl plus 22,146# 16/30 mesh sand. Pumped out to 3450'. Pressured to 1524' psig. Test back side. Drilled out to 3450'. 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 4.6# J-55 Tubing	3,532	3,532
1	2-7/8" x 7" TAC	4	3,536
1	2-7/8" SN	4	3,540
1	Perf Sub	4	3,544
1	2-3/8" Mud Anchor	32	3,576
			3,576

Rod Detail (top to bottom)			
Rods	Description	Footage	Depth
1	1-1/4" x 22' polished rod w/ 7/8" pin	18	18
1	1-1/4" x 1-1/2' x 8' polished rod liner	0	18
4	6', 4', 4', 4' - 7/8" pony rods	18	36
149	3/4" steel rods	3,500	3,536
1	2" x 1-1/4" x 12'	12	3,548
			3,548

Pumping Unit:
 Updated: RG 7/25/2014

Wellbore Diagram

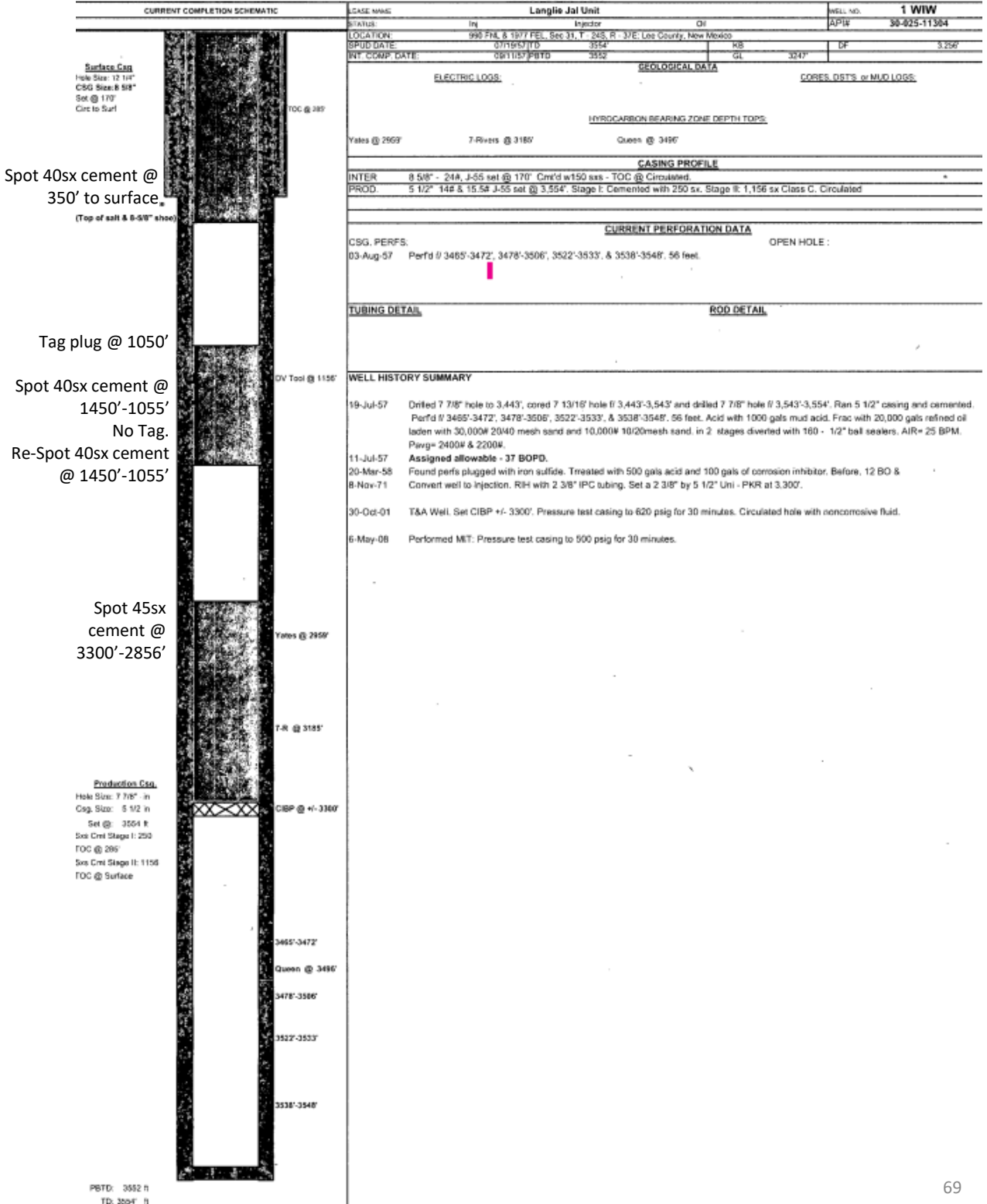


POTD: 3485'
 TD: 3545'
 OH ID: 4-3/4"

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

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

Langlie Jal Unit #3

Location:	
Footage:	990 FNL & 660 FWL
Section:	32, T - 24S, R - 37E
Block:	
Survey:	
County:	Lea
Lat:	
Long:	
Elevations:	
GL:	3,252'
DF:	3,267'
KB:	3,269'
KB Calc:	
ck w/flog?	

Reservoir:	Langlie Jal
Well ID Info:	3 WW
API No:	30-025-11311
Spud Date:	11/1/1939

Date	History
01-Nov-39	Treated open hole from 3447' to 3575' with 180 quarts of Nitro. IP: 58 BOPD and 168 MCFPD
18-Apr-72	Convert to injection.
05-Oct-74	Perf'd 7R & Q @ 3345'-52', 3368', 3371'-3377', 1 jhp, 47 holes.
1-Jun-81	Acidized w/ 5000 gals acid plus 1250 gals diverting agent.
1-Feb-86	Sqz'd csg/lk @ 647'-677' with 250 sxs and re-sqz'd w/ 100sxs. Acidized all perms with 5400 gals 15% NEFE HCl acid plus 1500# rock salt.
26-Mar-08	Approval to TA well. Set CIBP 3250'

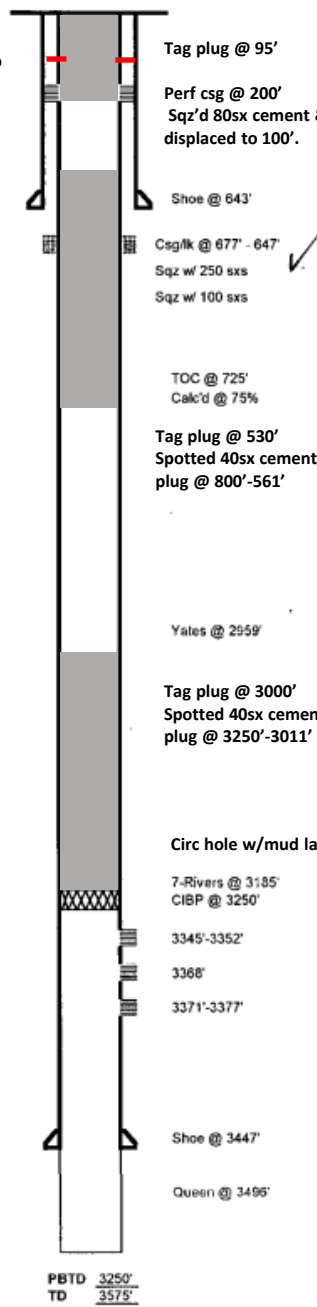
Tubing Detail (top to bottom)			
Joints	Description	Footage	Depth

Rod Detail (top to bottom)			
Rods	Description	Footage	Depth

Pumping Unit:
 Updated: MLS 8/11/2014

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

Wellbore Diagram



Hole Size:	12-1/4"
Surf. Csg:	9-5/8" - 25.7# J-55
Set @:	643'
Cement w/:	325 sxs
Circ:	Yes
TOC:	Surface
Hole Size:	8-3/4"
Prod. Csg:	7" - 22#, H-40
Set @:	3447'
Cmt'd w/:	300 sxs Class C
Circ:	No
TOC:	725' Calc'd @ 75%

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)**

Location:	
Footage:	1980 FNL & 1980 FWL
Section:	31, T - 24S, R - 37E
Block:	
Survey:	
County:	Lea
Lat:	
Long:	
Elevations:	
GR:	3243'
DF:	
KB:	
KB Calc:	
dt w/top?	

Date	History
29-Mar-72	Perf'd 7-Rivers/Queen V 3280'-86', 3315'-22', 3343'-46', 3363'-67', 3449', 3466', 3512', 3520', 3530', 3543', & 3567', 27 feet, 1 JSPF. Acidized with 500 gals MB acid.
24-Jun-03	T&A Well
23-Feb-12	POOH with injection string and 4 1/2" PKR. Hydrotest tubing in hole- 2 bad jts. Found leak at top 4 1/2" slips. Welded new 4 1/2" stub. Test 4 1/2" casing to 550 psig - okay. RH with 4 1/2" AD-1 PKR. Set PKR at 3,200'. Pressure annulus to 550 psig - failed. Hydrotest 2 3/8" IPC tubing - found collar leak 17' stand from surface. Set Arrow set PKR at 3,200 psig. Test annulus to 520 psig - MIT passed.

Tubing Detail (top to bottom)			
Joints	Description	Footage	Depth

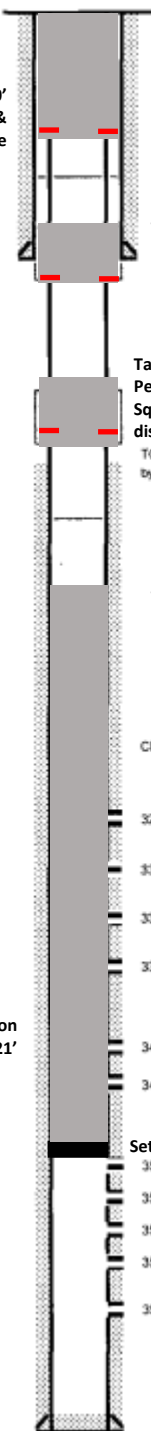
Rod Detail (top to bottom)			
Rods	Description	Footage	Depth

Pumping Unit
 Updated: RG 7/25/2014

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

Langlie Jal Unit #13

Wellbore Diagram



Reservoir: Langlie Jal	
Well ID Info:	13 WIW
API No:	30-025-23865
Spud Date:	9/25/197

Hole Size:	12-1/4"
Surf. Csg:	8-5/8" - 24#, J-55
Set @:	820'
Cement w/ Circ:	475 gals
TOC:	Surface

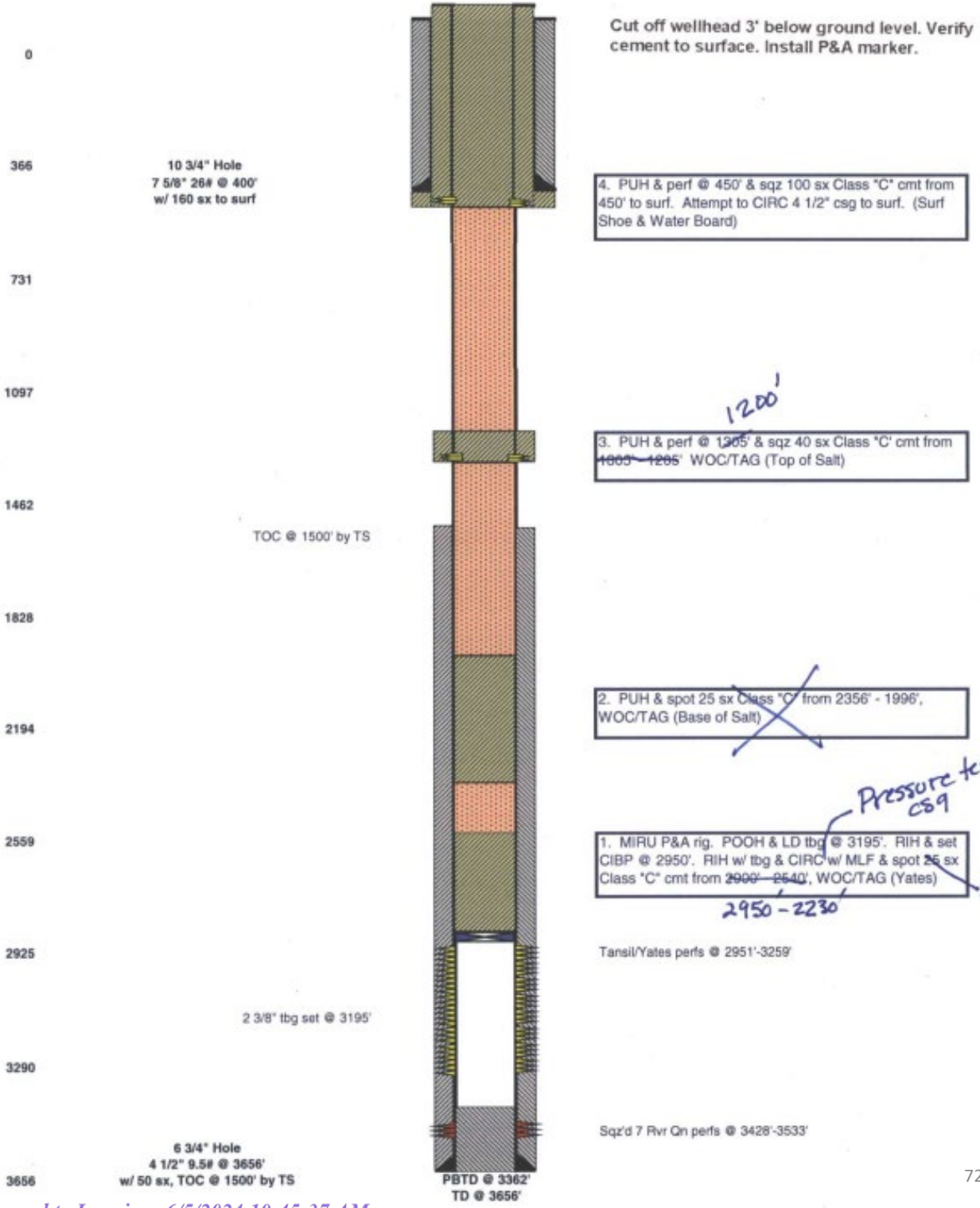
Hole Size:	7-7/8"
Prod. Csg:	4-1/2" - 10.5#, J-55
Set @:	3600'
Cmf'd w/ Circ:	1222 rom Class C
Circ:	No
TOC:	1590' Calc'd by Temp. Survey

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 Mattix (7-Rivers & Queen)**

Langlie Jal Unit #2

Location:	
Footage:	990 FNL & 660 FEL
Section:	31, T - 24S, R - 37E
Block:	
Survey:	
County:	Lea
Lat:	
Long:	
Elevations:	
GR:	3240.5'
DF:	
KB:	
KB Calc:	
ck wlog?	

Reservoir:	Langlie Jal
Well ID Info:	2
API No:	30-025-24837
Spud Date:	9/7/1974

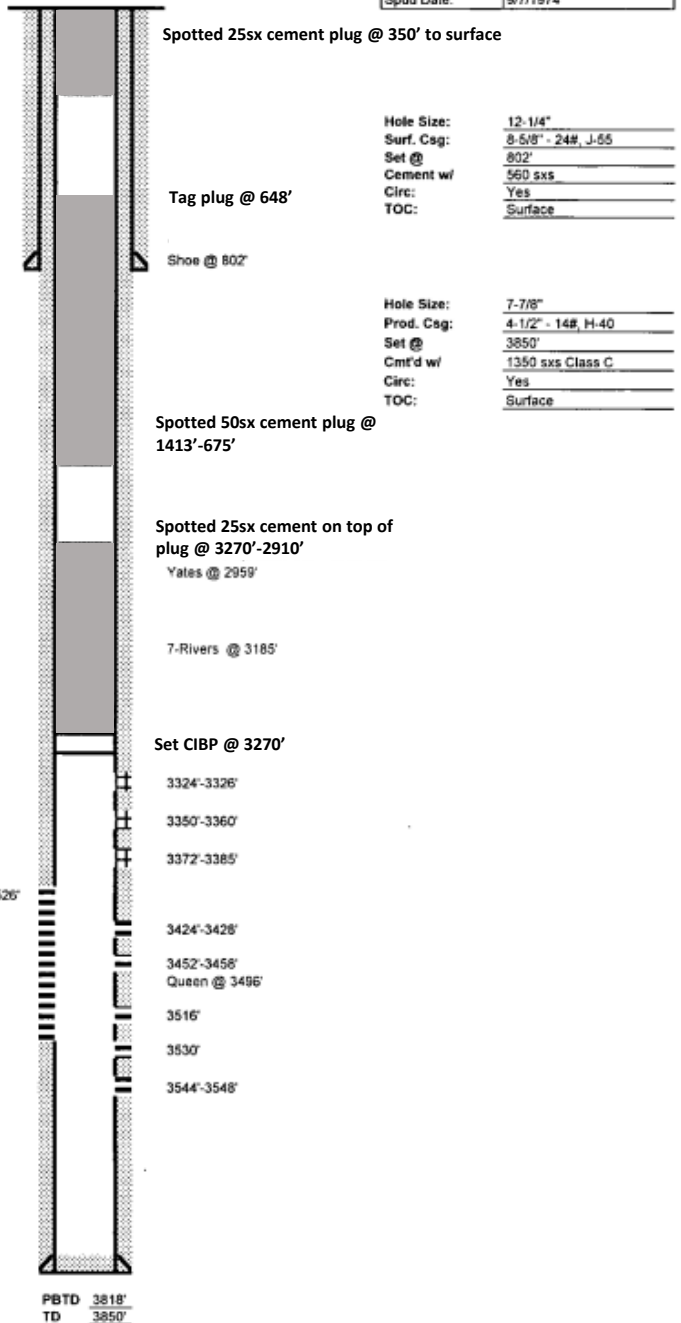
Date	History
05-Oct-74	Perf'd from 3324'-26', 3350'-60', 3372'-85', 3424'-28', 3452'-58', 3516', 3530', and 3544'-48', 1 jhpf, 47 holes. Ran 5 1/2" casing and cemented. Perf'd w/ 3465'-3472', 3478'-3506', 3522'-3533', & 3538'-3548'. 58 feet. Acidized with 1897 gals 15% NEFE HCl acid. Frac with 30,000 gals gelled fluid sand laden fluid with 30,000# 20/40 mesh sand and 9,000# rock salt. IP 53 BOPD & 40 BWPD & GAS TSTM.
8-May-77	POOH with production string. Acidized perforations with 2,000 gals 15% in 500 gals stages.
31-Oct-88	T&A Well. POOH laying down with production string. GIH with 4 1/2" CIBP and set at 3274' above perfs. Pressure test casing to 300 psig. Circulate hole with inhibited packer fluid.
26-Dec-95	Squeezed perfs 3324'-3385'. Perf Queen w/ 3,400'-3,526'. Acidized. Return to production.
4-Jan-11	Form C-103 filed in 1/4/11 with OCD shows well as shut in. Note: The well was to be acidized & restored to production by July 1, 2011.

Tubing Detail (top to bottom)			
Joints	Description	Footage	Depth

Rod Detail (top to bottom)			
Rods	Description	Footage	Depth

Pumping Unit:
Updated: RG 7/11/2014

Wellbore Diagram



Hole Size:	12-1/4"
Surf. Csg:	8-5/8" - 24#, J-55
Set @:	802'
Cement wt:	560 sxs
Circ:	Yes
TOC:	Surface

Hole Size:	7-7/8"
Prod. Csg:	4-1/2" - 14#, H-40
Set @:	3850'
Cm'd w/:	1350 sxs Class C
Circ:	Yes
TOC:	Surface

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'.

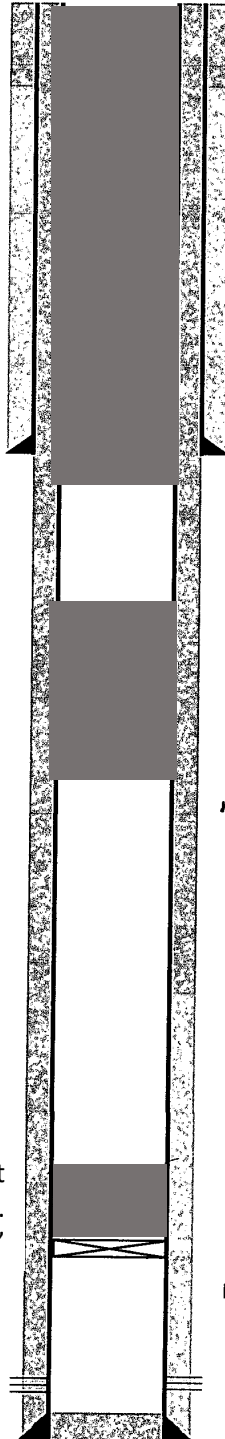
Mix & Pump 45sx cement
plug from 1455'-956' (tag).

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: 3446'-3614'



Original PBSD: 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).

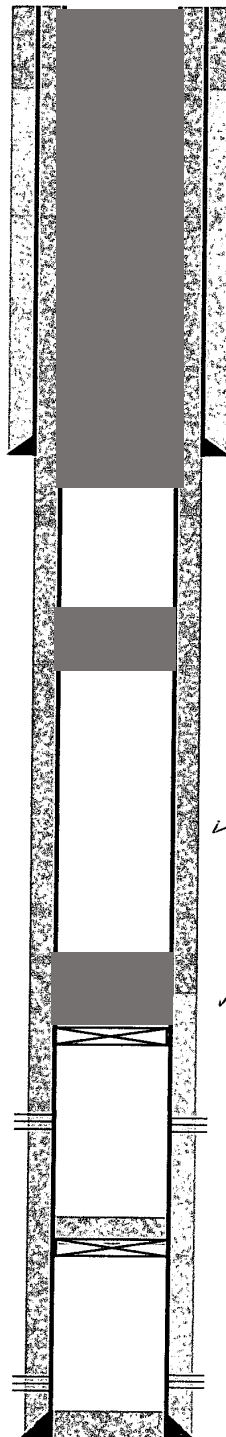
Mix & Pump 55sx cement
plug from 3330'-2700' (calc).
Tag CIBP @ 3330'

Jalmat Perfs: 3390'-3456'

CIBP @ 3490', 10' cmt cap

Langlie Mattix Perfs: 3521'-3593"

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



Original PBTD: 3681'
TD: 3710'

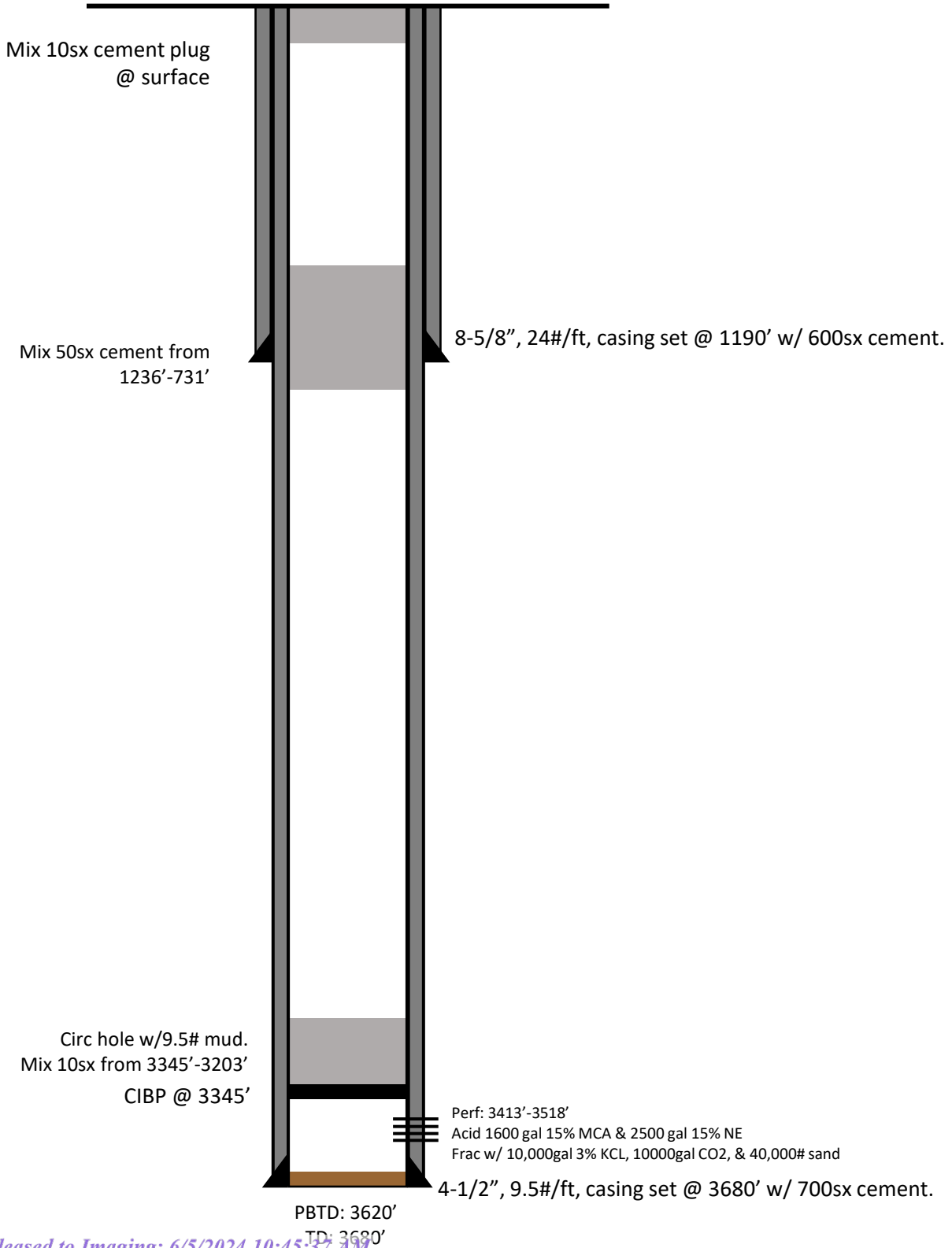
HARRISON #1

VI. Exhibit C21

API# 30-025-26060

660 FWL 1980 FNL,

Sec 29, T24S, R37E Lea Co., NM



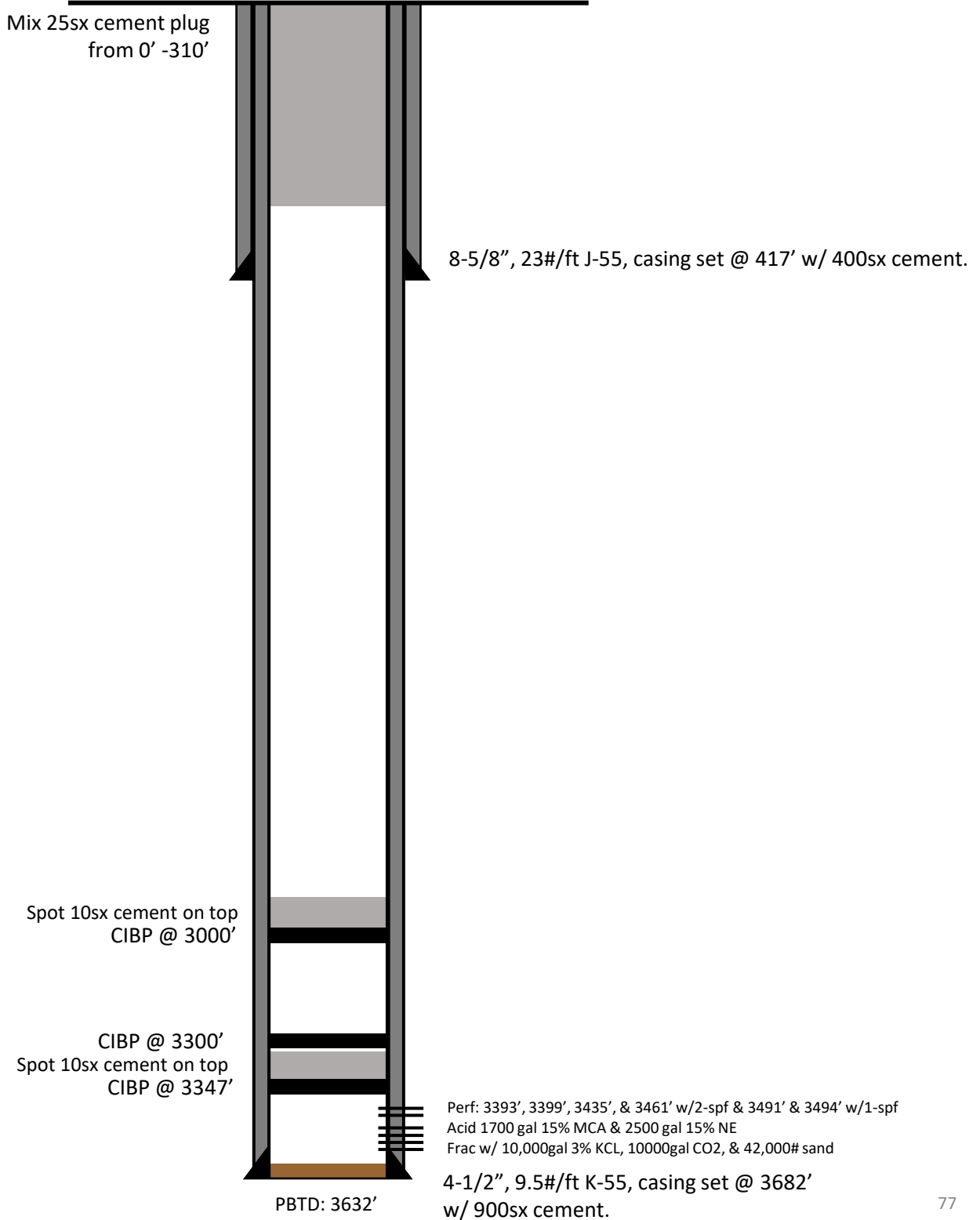
HARRISON #2

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, T19S R34E
 Lea County, NM
 GL:3299' KB:

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

9-5/8" 36# csg @ 430'
Cmt w/300 sx, circ to surface

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

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

✓ TS

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

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

✓ BS

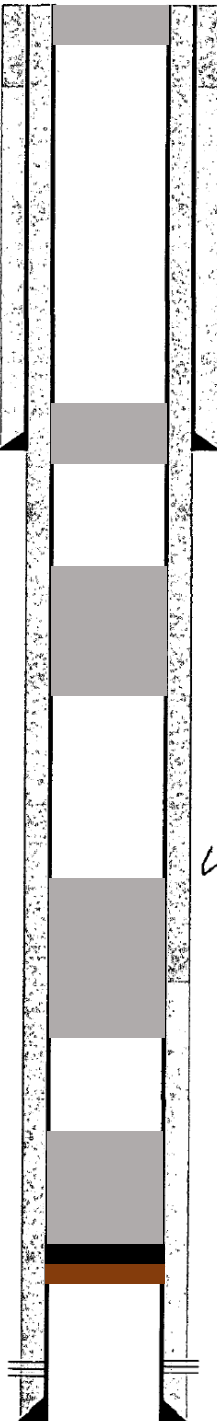
Mix & Pump 35sx cement plug from 3395'-3245' (calc)

NEW CIBP set @ 3395'

Drill Out/Push Down CIBP from 3300' to 3400'

7" 23# csg @ 3750'
Cmt w/650 sx, circ to surface

Seven Rivers Perfs: 3495'-3585"



Original PBTD: 3750'
TD: 3710'

C D WOOLWORTH #9

VI. Exhibit C24

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

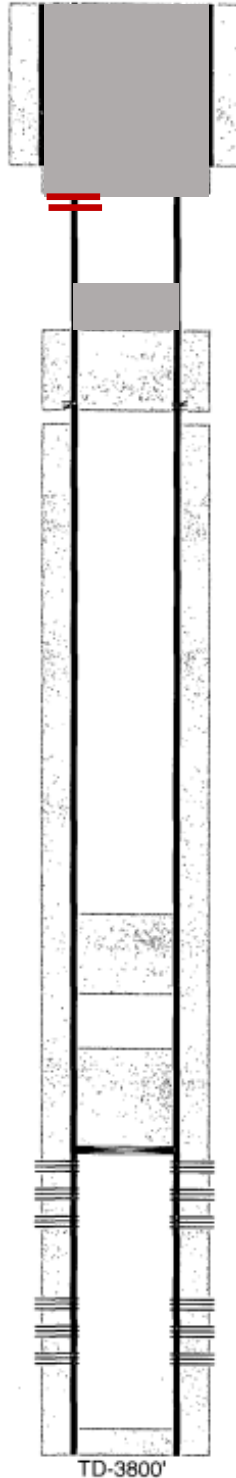
OXY USA Inc.
C.D. Woolworth #9
API No. 30-025-32863

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'

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

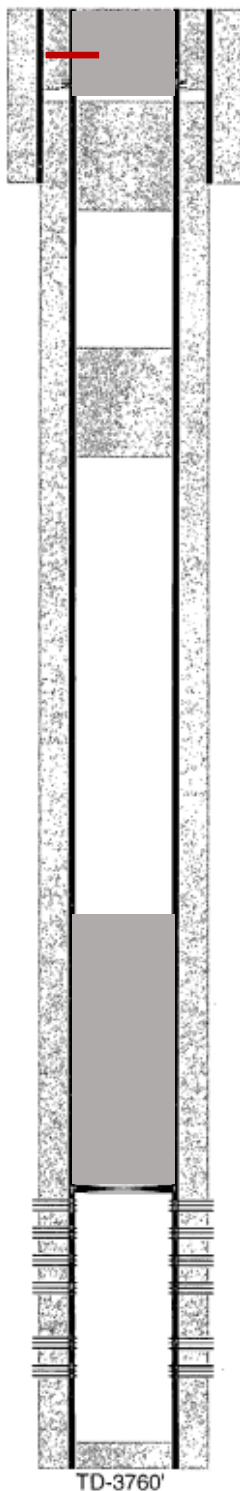
API No. 30-025-33882

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



Perf @ 250'

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

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'

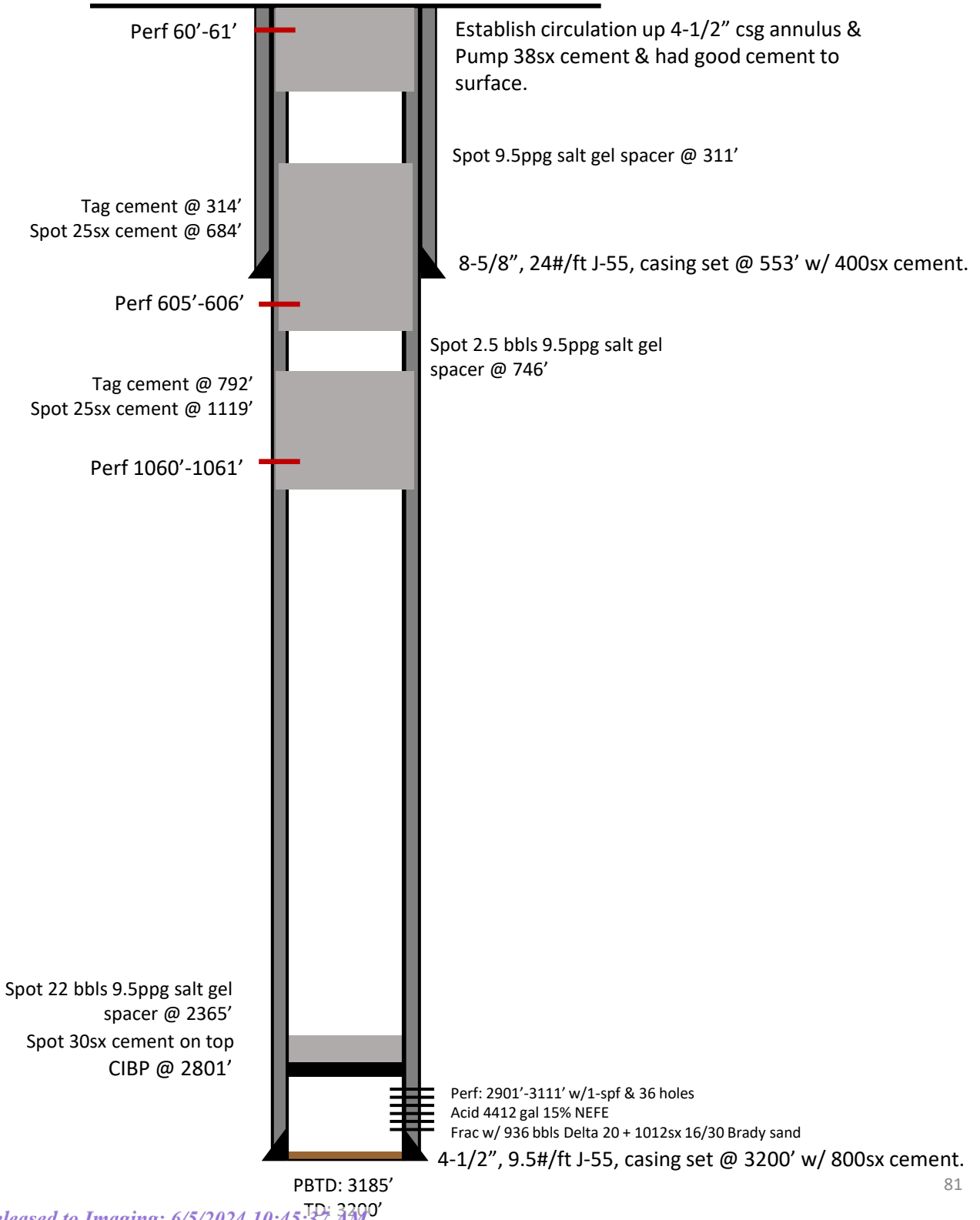
STATE A 32 #005

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 perfs 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 perfs 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 and 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

XI. Exhibit D1a

Well: CITIES THOMAS #3

Location: Twn 24S Rge 37E Sec 19

Footages: 660 FEL 2310 FNL

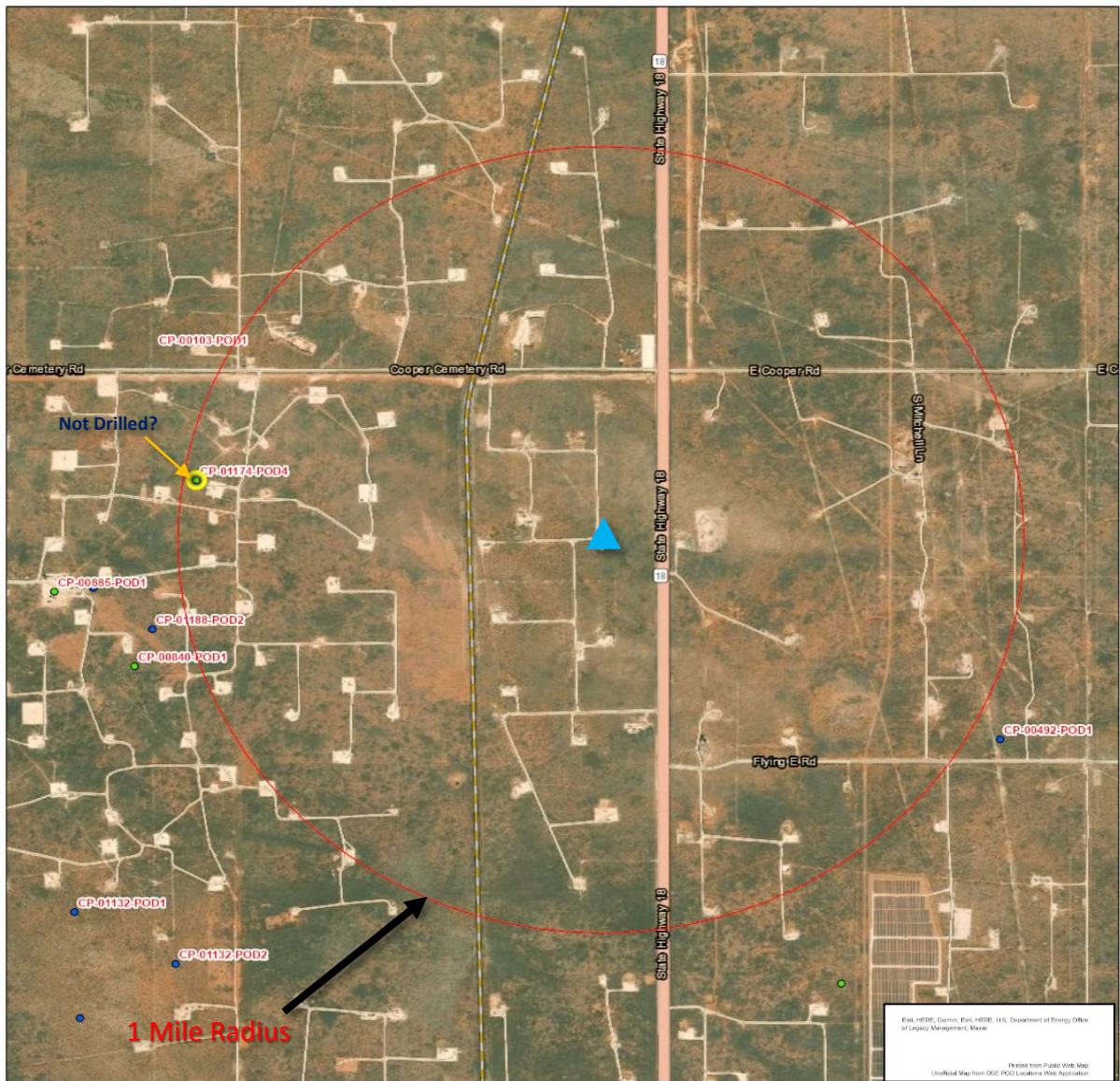
County: Lea

Location For Office of the State Engineer:

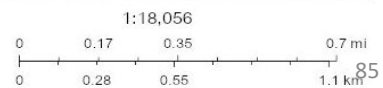
NAD 1983 UTM Zone 13

Easting (X): **670062.646** mtrs

Northing (Y): **3564454.783** mtrs



10/6/2021, 5:52:15 PM ▲ C-108 Injector
 GIS WATERS PODs
 ● Active



API NUMBER: 30-025-25608

XI. Exhibit D1b

Well: CITIES THOMAS #3

Location: Twn 24S Rge 37E Sec 19

Footages: 660 FEL 2310 FNL

County: Lea

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: Capitan

County: Lea

UTMNAD83 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

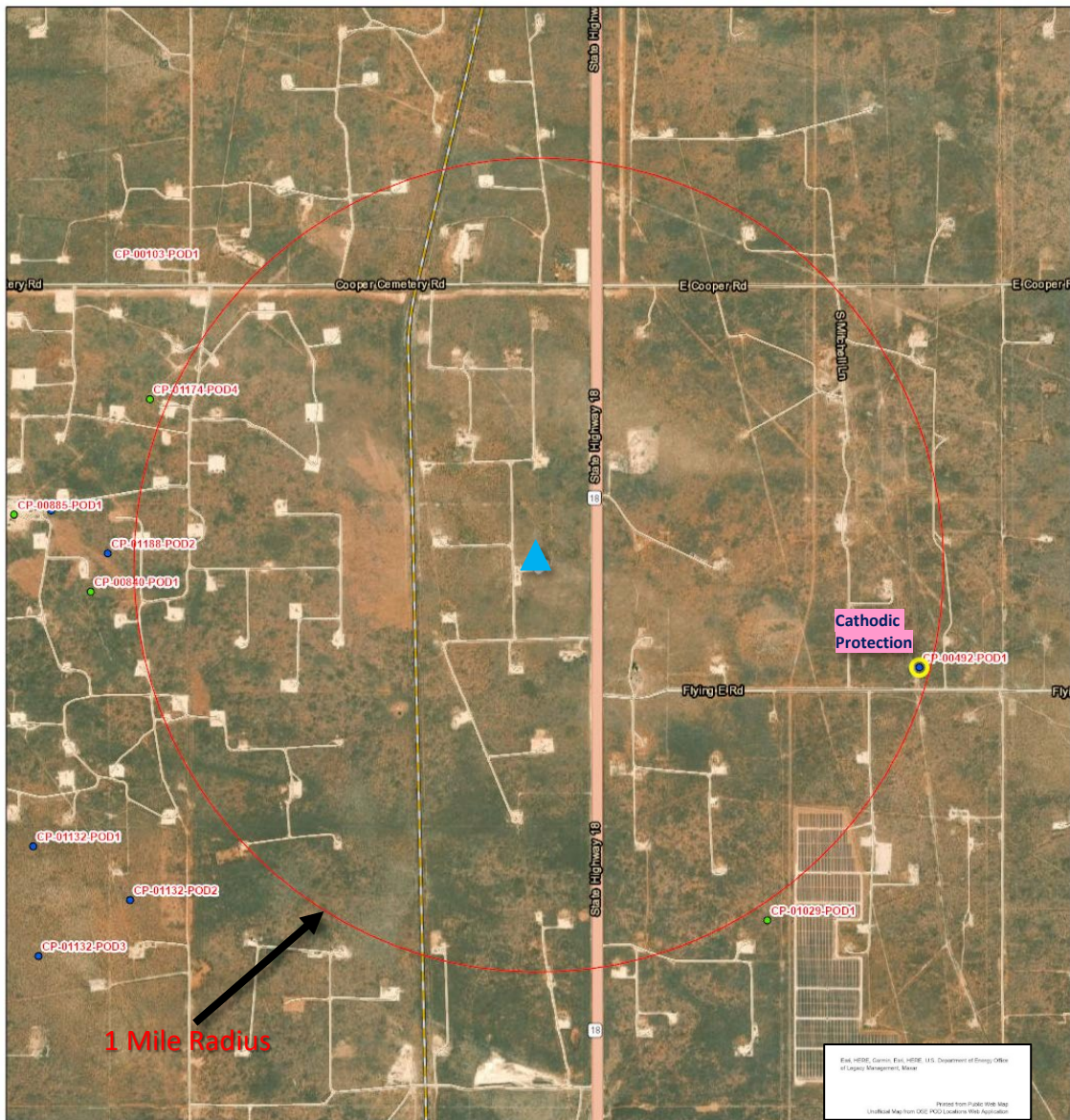
XI. Exhibit D2a

Location For Office of the State Engineer:

NAD 1983 UTM Zone 13

Easting (X): **670071.327** mtrs

Northing (Y): **3564050.143** mtrs



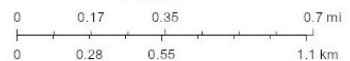
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GIS WATERS PODs

- Active
- Pending

▲ C-108 Injector

1:18,056



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	Tws	Rng	X	Y	Distance	Depth	WellDepth	Water Column
CP 00492 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 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.

10/6/21 5:08 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

API NUMBER: 30-025-25630

XI. Exhibit D3a

Well: ADELE SOWELL #1

Location: Twn 24S Rge 37E Sec 19

Footages: 990 FEL 330 FSL

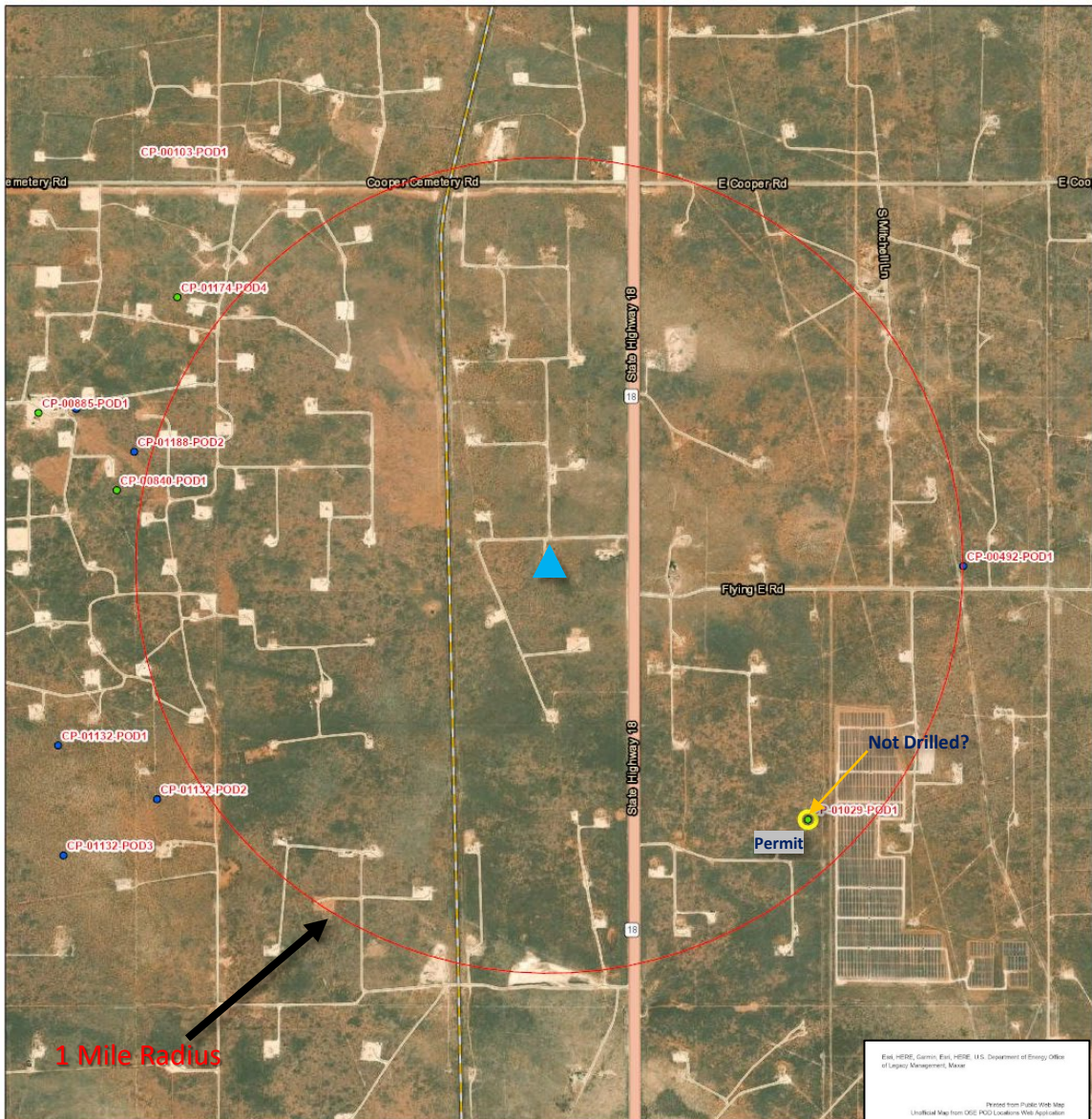
County: Lea

Location For Office of the State Engineer:

NAD 1983 UTM Zone 13

Easting (X): 669979.120 mtrs

Northing (Y): 3563646.041 mtrs

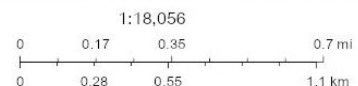


10/7/2021, 10:08:02 AM ▲ C-108 Injector
GIS WATERS PODs

● Active

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Printed from Public Web Map
Unofficial Map from OSE PODs Locations Web Application



API NUMBER: 30-025-25630

XI. Exhibit D3b

Well: ADELE SOWELL #1

Location: Twn 24S Rge 37E Sec 19

Footages: 990 FEL 330 FSL

County: Lea

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

UTMNAD83 Radius Search (in meters):

Easting (X): 669979.12

Northing (Y): 3563646

Radius: 1609.3

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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

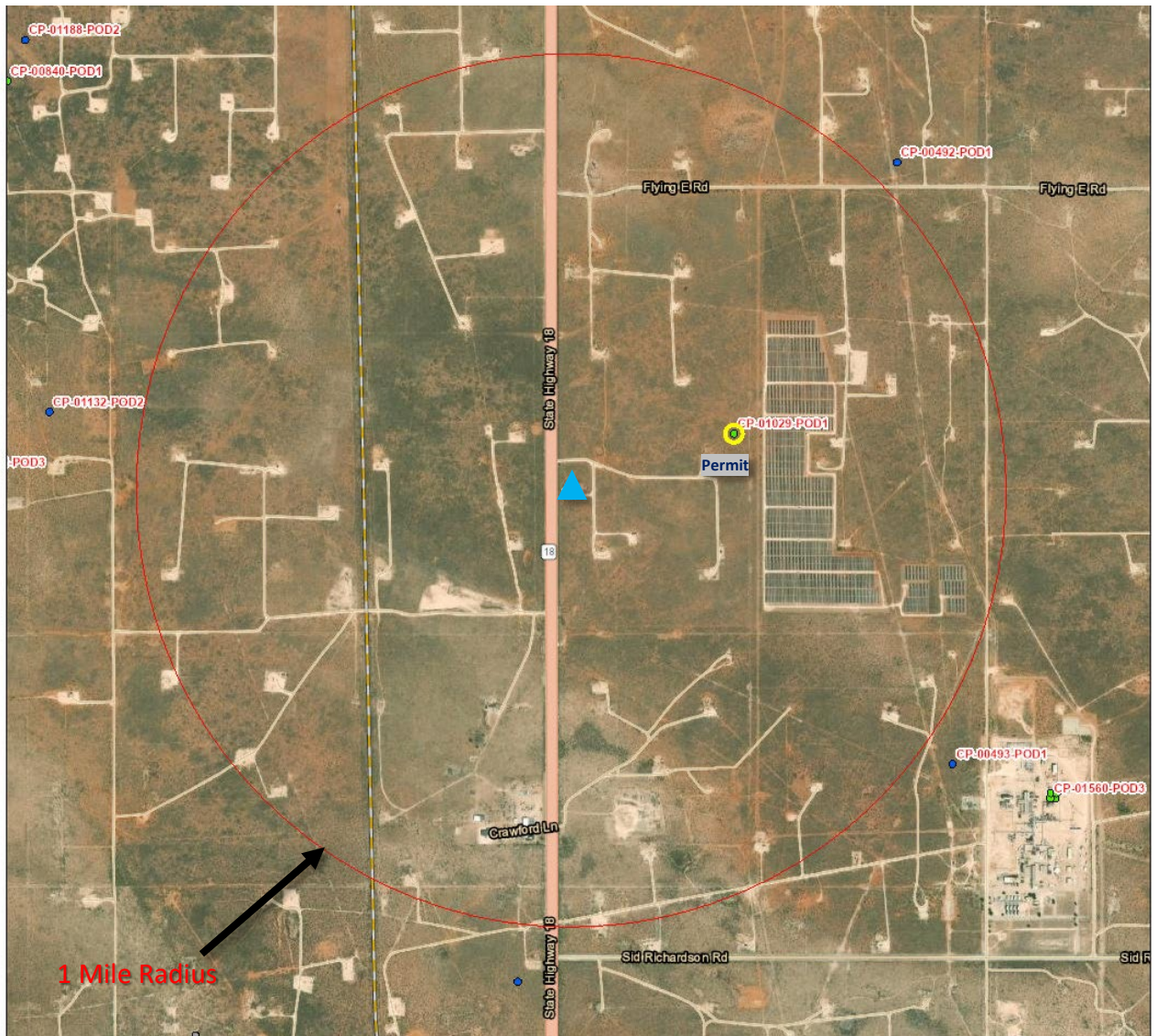
XI. Exhibit D4a

Location For Office of the State Engineer:

NAD 1983 UTM Zone 13

Easting (X): **670403.970** mtrs

Northing (Y): **3562442.133** mtrs

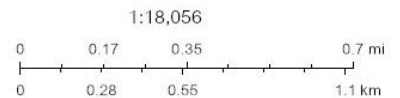


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GIS WATERS PODs

C-108 Injector

- Active
- Pending
- Incomplete
- Site Boundaries



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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

UTMNAD83 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.

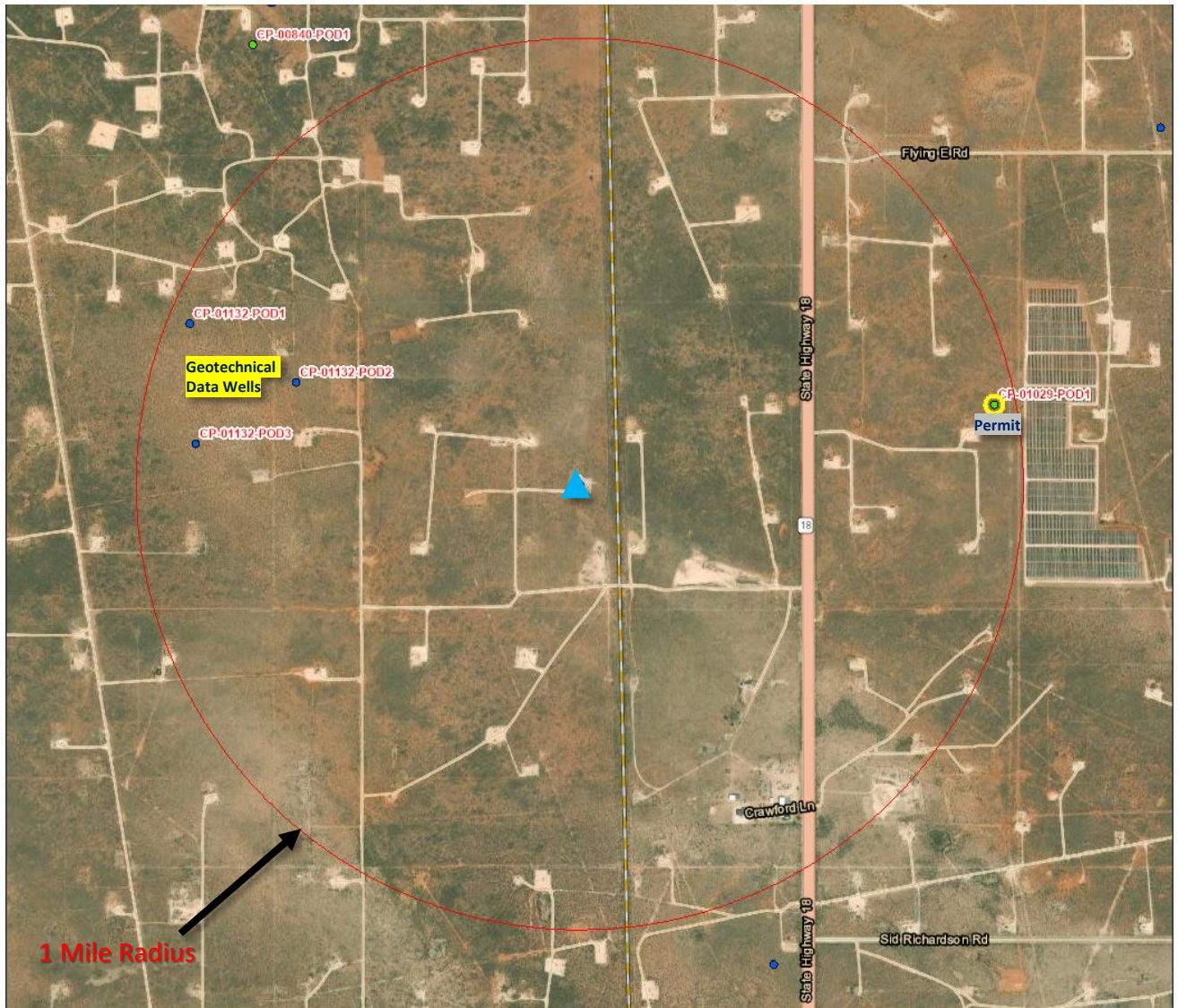
12/1/22 1:25 PM

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



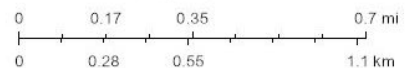
12/1/2022, 2:32:26 PM

▲ C-108 Injector

GIS WATERS PODs

- Active
- Pending
- SiteBoundaries

1:18,056



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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 64	Q 16	Q 4	Sec 25	Tws 24S	Rng 36E	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 01132 POD2	Non Water Bearing Geotechnical Data Wells	CP	LE	1	2	4	25	24S	36E	668471	3562698	1090	100		
CP 01132 POD3		CP	LE	3	1	4	25	24S	36E	668111	3562471	1398	100		
CP 01132 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.

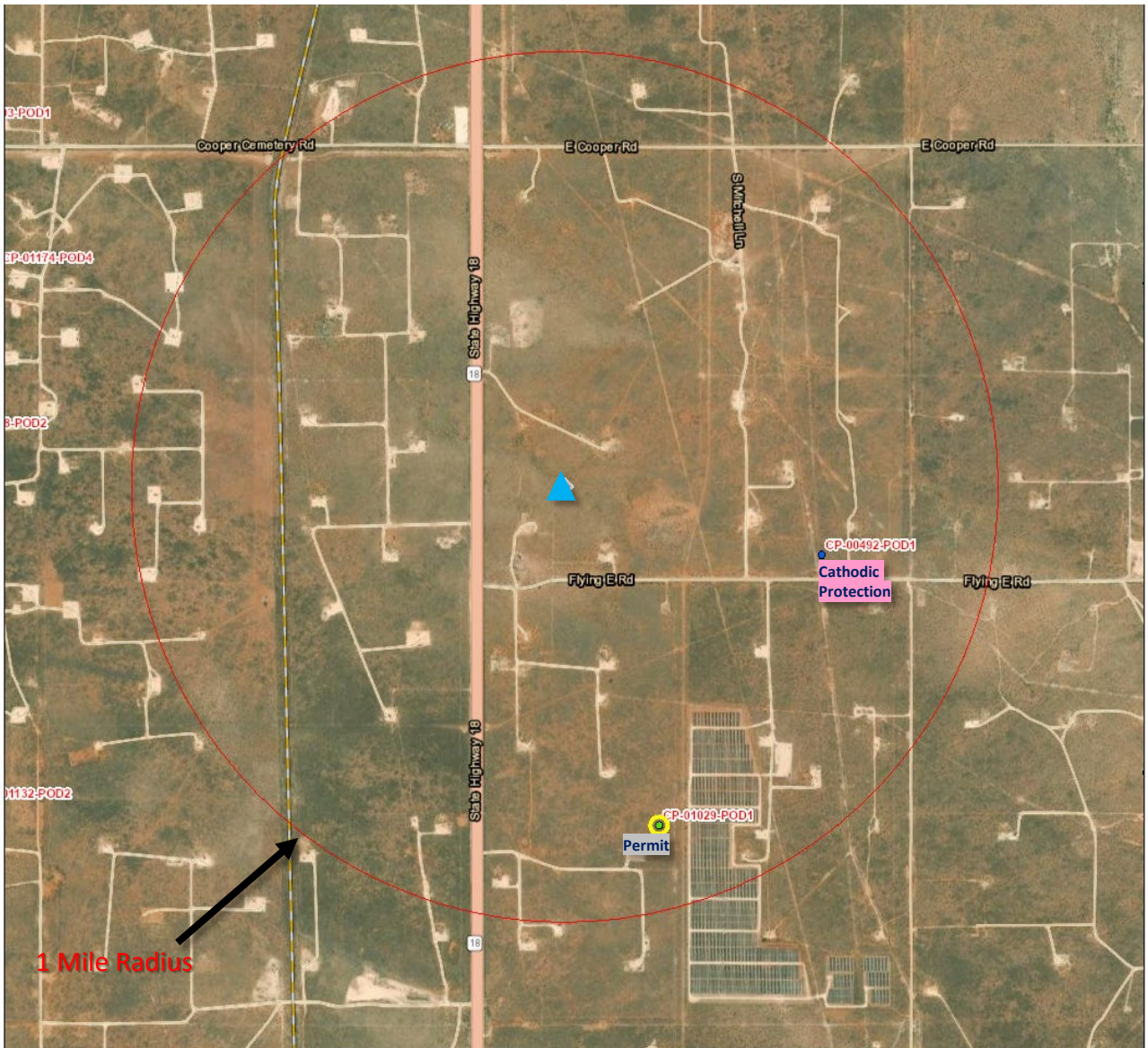
12/1/22 1:31 PM

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

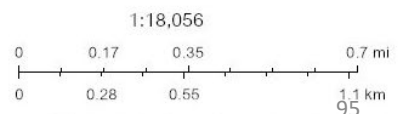
Location For Office of the State Engineer:
NAD 1983 UTM Zone 13
Easting (X): **670630.491** mtrs
Northing (Y): **3563907.378** mtrs



12/1/2022, 2:39:35 PM ▲ C-108 Injector
GIS WATERS PODs

- ◆ Active
- ◆ Pending

Site Boundaries



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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	Q	Q	Q	Sec	Tws	Rng	X	Y	Distance	Depth	Well	Depth	Water
				64	16	4	20	24S	37E							Column
CP 00492 POD1	Catholic Protection	CP	LE	3	4	4	20	24S	37E	671592	3563671*	990		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): 670630.491 Northing (Y): 3563907.378 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 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

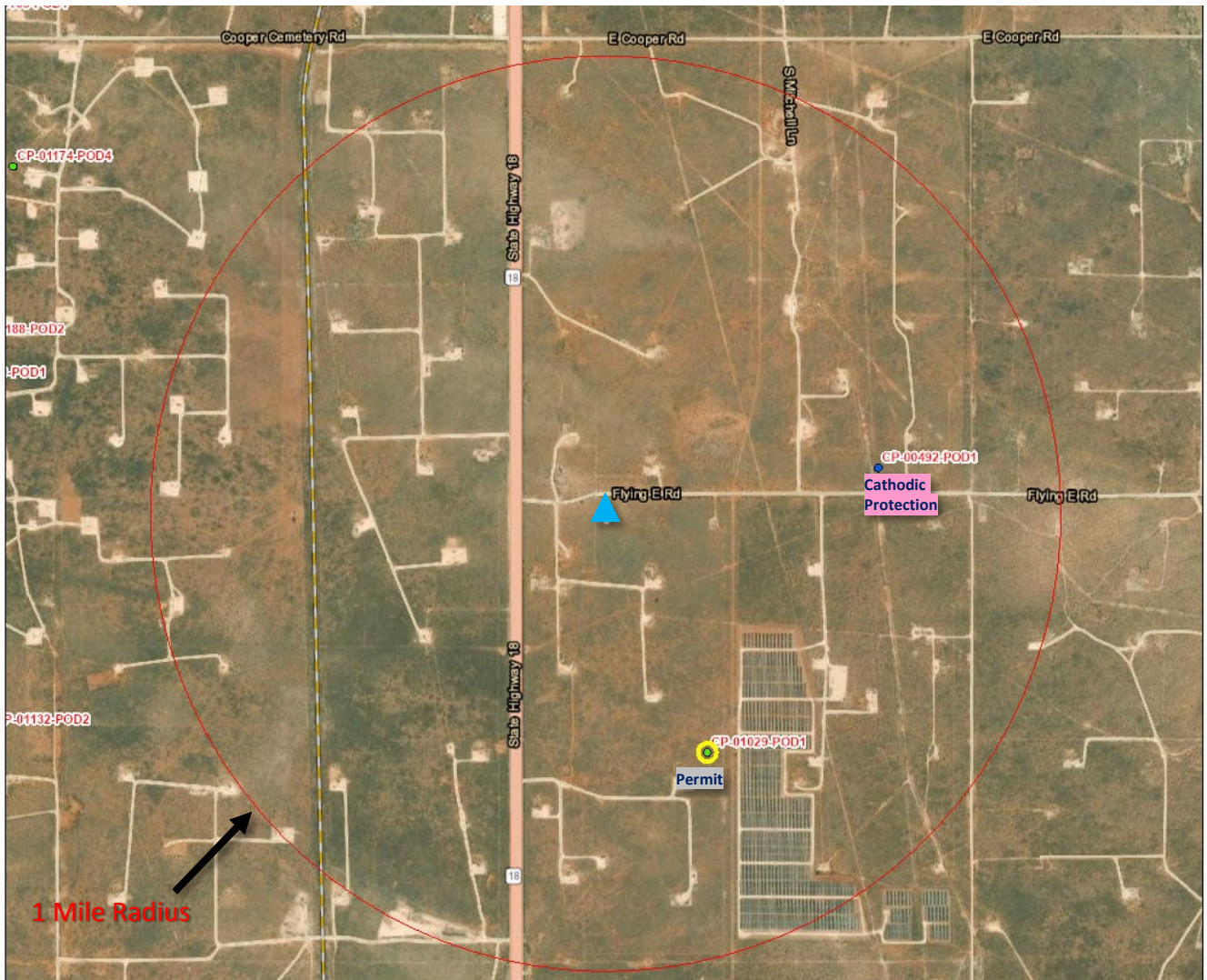
XI. Exhibit D7a

Location For Office of the State Engineer:

NAD 1983 UTM Zone 13

Easting (X): **670633.014** mtrs

Northing (Y): **3563493.191** mtrs

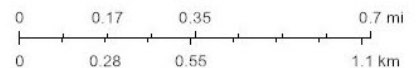


12/1/2022, 3:20:29 PM
GIS WATERS PODs

▲ C-108 Injector

- Active
- Pending
- SiteBoundaries

1:18,056



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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) (NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q	Q	Q	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 00492 POD1	Catholic Protection	CP	LE	3	4	4	20	24S	37E	671592	3563671*	975	500		

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

Record Count: 1

Basin/County Search:

Basin: Capitan **County:** Lea

UTMNAD83 Radius Search (in meters):

Easting (X): 670633 **Northing (Y):** 3563493.191 **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 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

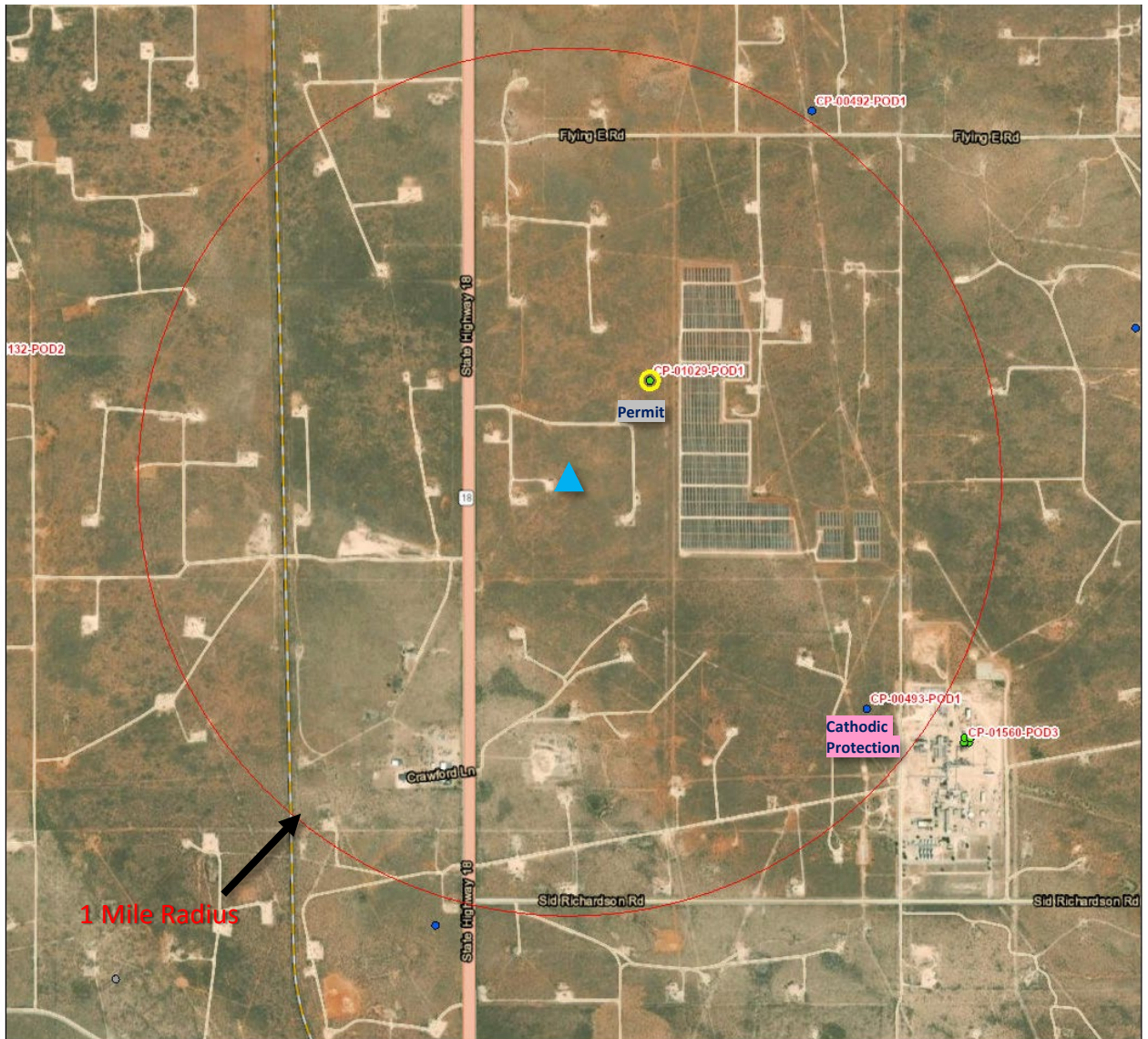
XI. Exhibit D8a

Location For Office of the State Engineer:

NAD 1983 UTM Zone 13

Easting (X): 670709.457 mtrs

Northing (Y): 3562280.556 mtrs



12/1/2022, 3:37:39 PM

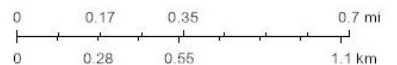
GIS WATERS PODs

- Active
- Pending
- Incomplete

Site Boundaries

▲ C-108 Injector

1:18,056



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

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	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 00493 POD1	Catholic Protection	CP	LE	2	4	2	32	24S	37E	671834	3561458*	1393	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): 670709.457 **Northing (Y):** 3562280.556 **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 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

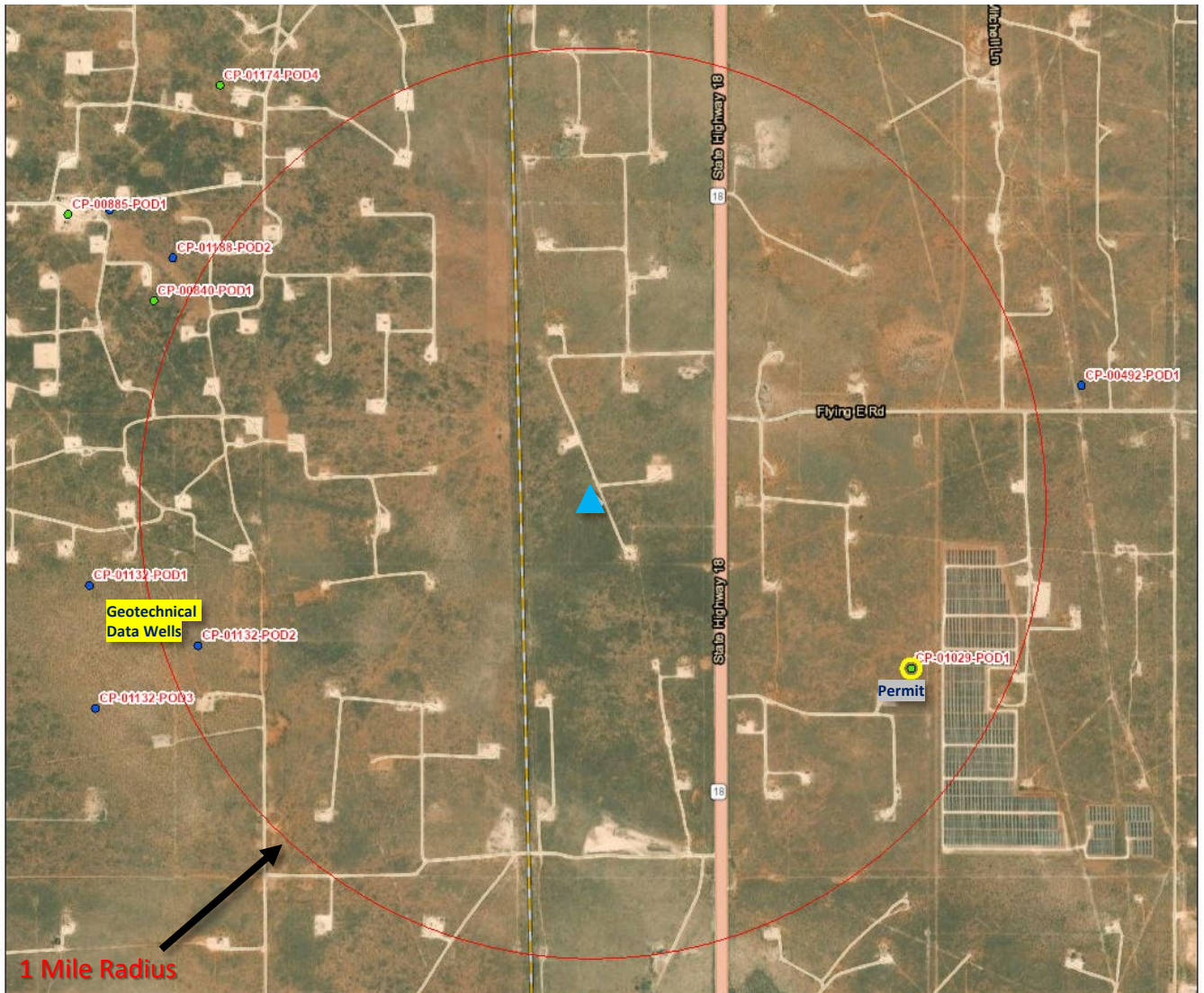
XI. Exhibit D9a

Location For Office of the State Engineer:

NAD 1983 UTM Zone 13

Easting (X): 669864.884 mtrs

Northing (Y): 3563226.229 mtrs

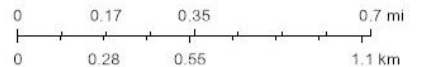


12/1/2022, 3:58:00 PM
GIS WATERS PODs

▲ C-108 Injector

- Active
- Pending
- Site Boundaries

1:18,056



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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 64	Q 16	Q 4	Sec 25	Tws 24S	Rng 36E	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 01132 POD2	Non Water Bearing Geotechnical Data Well	CP	LE	1	2	4	25	24S	36E	668471	3562698	1490	100		
												Average Depth to Water:			--
												Minimum Depth:			--
												Maximum Depth:			--

Record Count: 1

Basin/County Search:

Basin: Capitan **County:** Lea

UTMNAD83 Radius Search (in meters):

Easting (X): 669864.884 **Northing (Y):** 3563226.229 **Radius:** 1609.3

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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

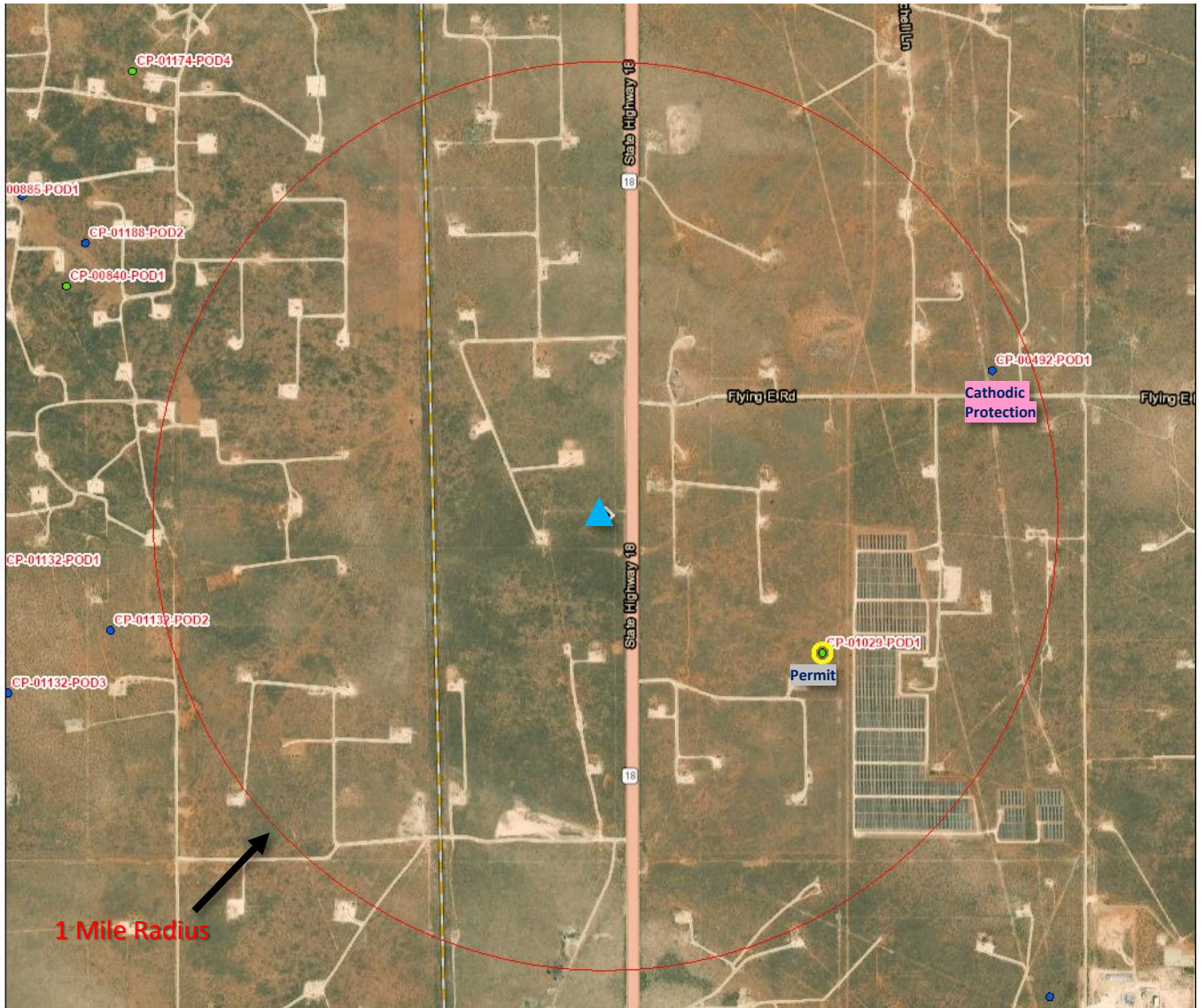
XI. Exhibit D10a

Location For Office of the State Engineer:

NAD 1983 UTM Zone 13

Easting (X): **670221.742** mtrs

Northing (Y): **3563135.617** mtrs

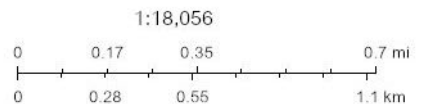


12/1/2022, 4:03:44 PM
GIS WATERS PODs

▲ C-108 Injector

- Active
- Pending

Site Boundaries



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##### 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	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 00492 POD1	Catholic Protection	CP	LE	3	4	4	20	24S	37E	671592	3563671*	1471	500		

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

Record Count: 1

Basin/County Search:

Basin: Capitan **County:** Lea

UTMNAD83 Radius Search (in meters):

Easting (X): 670221.742 **Northing (Y):** 3563135.617 **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 3:01 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

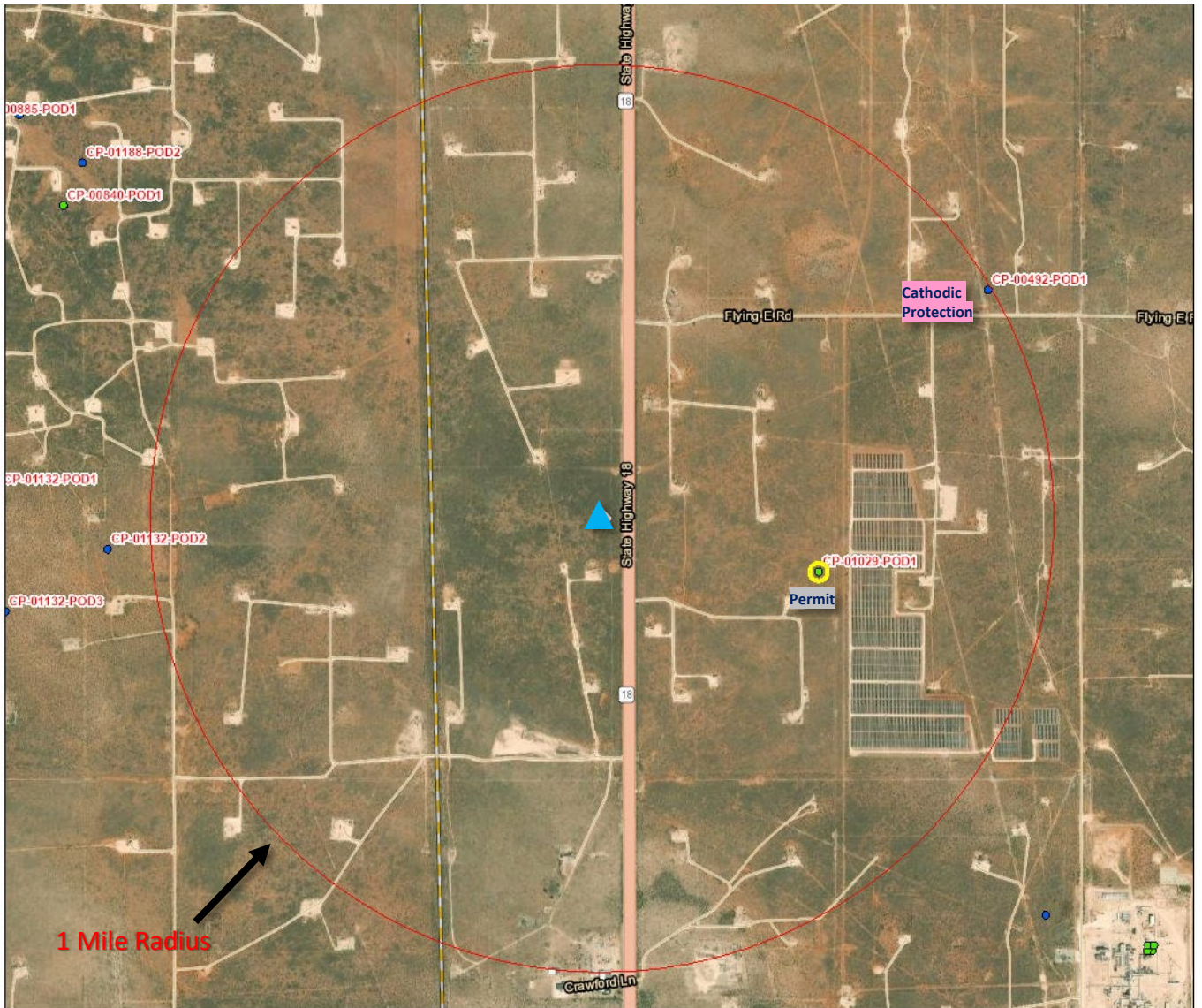
XI. Exhibit D11a

Location For Office of the State Engineer:

NAD 1983 UTM Zone 13

Easting (X): **670227.583** mtrs

Northing (Y): **3562839.280** mtrs



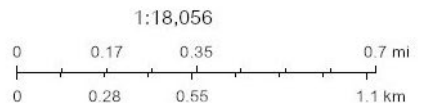
12/1/2022, 4:20:56 PM

GIS WATERS PODs

▲ C-108 Injector

- Active
- Pending

SiteBoundaries



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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 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	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 00492 POD1	Catholic Protection	CP	LE	3	4	4	20	24S	37E	671592	3563671*	1597	500		

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

Record Count: 1

Basin/County Search:

Basin: Capitan **County:** Lea

UTMNAD83 Radius Search (in meters):

Easting (X): 670227.583 **Northing (Y):** 3562839.28 **Radius:** 1609.3

*UTM location was derived from PLSS - see Help

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12/1/22 3:06 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

API NUMBER: 30-025-TBD

XI. Exhibit D12a

Well: JACK B 30 #8

Location: Twn 24S Rge 37E Sec 30

Footages: 2523 FNL 1340 FEL

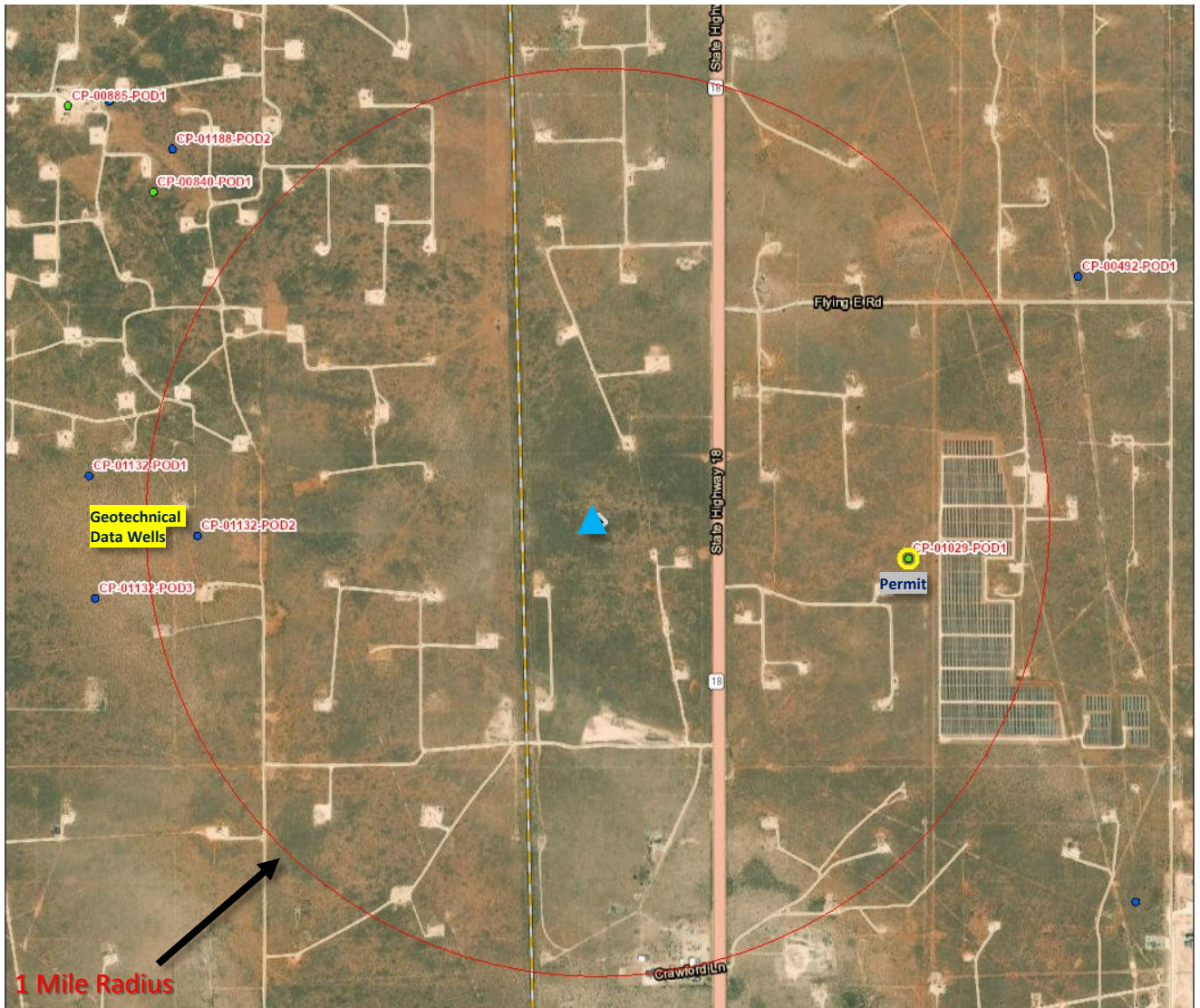
County: Lea

Location For Office of the State Engineer:

NAD 1983 UTM Zone 13

Easting (X): 669896.095 mtrs

Northing (Y): 3562771.591 mtrs

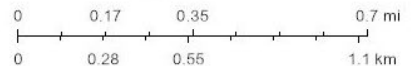


12/11/2022, 4:27:00 PM
GIS WATERS PODs

▲ C-108 Injector

- Active
- Pending
- ▭ Site Boundaries

1:18,056



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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 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 64	Q 16	Q 4	Sec 25	Tws 24S	Rng 36E	X	Y	Distance	DepthWell	DepthWater	Water Column
CP01132 POD2	Non Water Bearing Geotechnical Data Well	CP	LE	1	2	4	25	24S	36E	668471	3562698	1426	100		
													Average Depth to Water:	--	
													Minimum Depth:	--	
													Maximum Depth:	--	

Record Count: 1

Basin/County Search:

Basin: Capitan

County: Lea

UTMNAD83 Radius Search (in meters):

Easting (X): 669896

Northing (Y): 3562771.591

Radius: 1609.3

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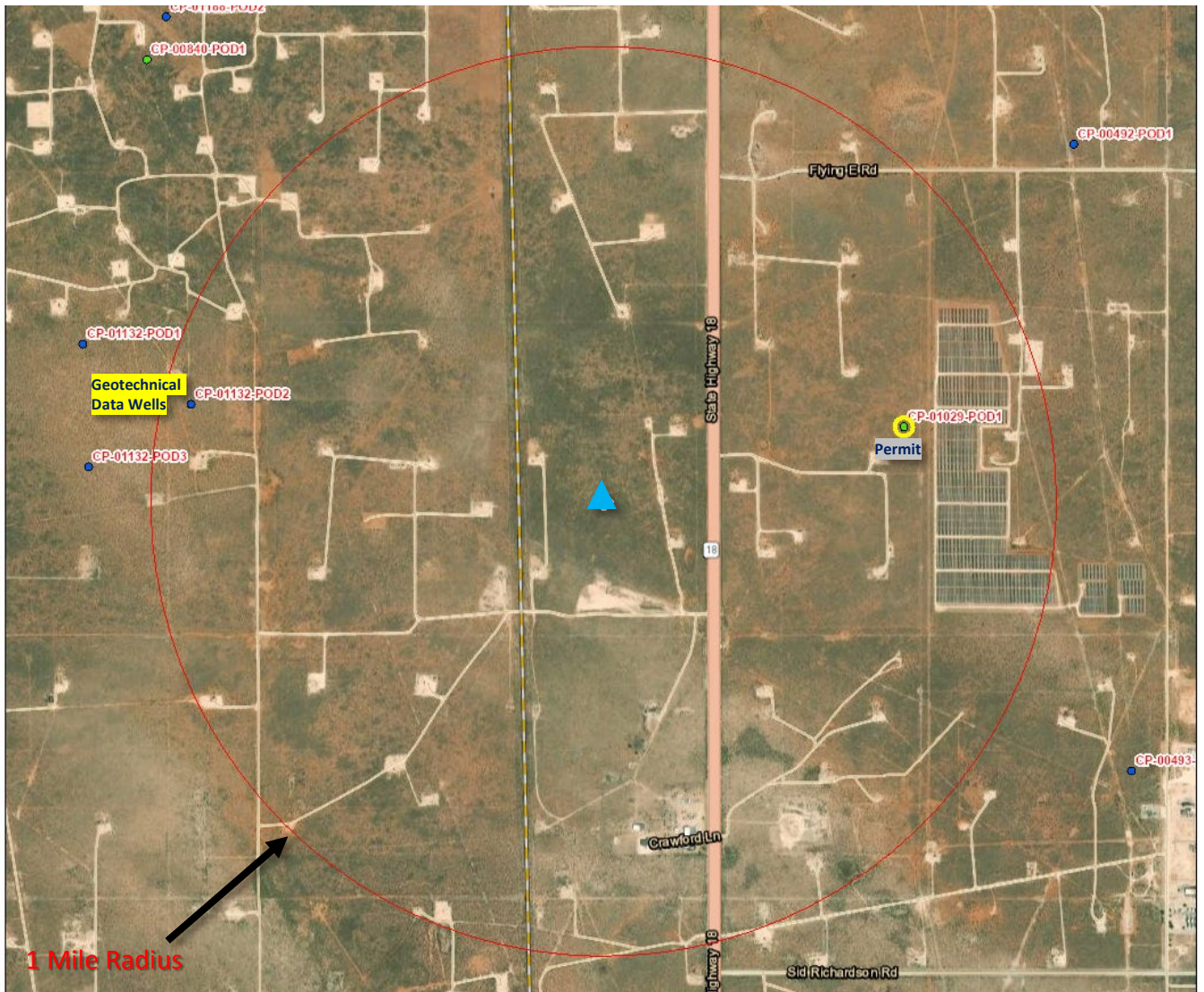
12/1/22 3:27 PM

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



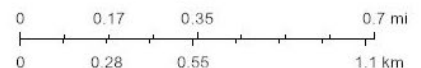
12/1/2022, 4:35:35 PM

▲ C-108 Injector

GIS WATERS PODs

- Active
- Pending
- SiteBoundaries

1:18,056



Esri, HERE, GeoTechnologies, Inc., Esri, HERE, Garmin, GeoTechnologies, Inc., U.S. Department of Energy 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.)

(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 25	Tws 24S	Rng 36E	X	Y	Distance	DepthWell	DepthWater	Water Column
CP 01132 POD2	Non Water Bearing Geotechnical Data Well	CP	LE	1	2	4	25	24S	36E	668471	3562698	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 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.

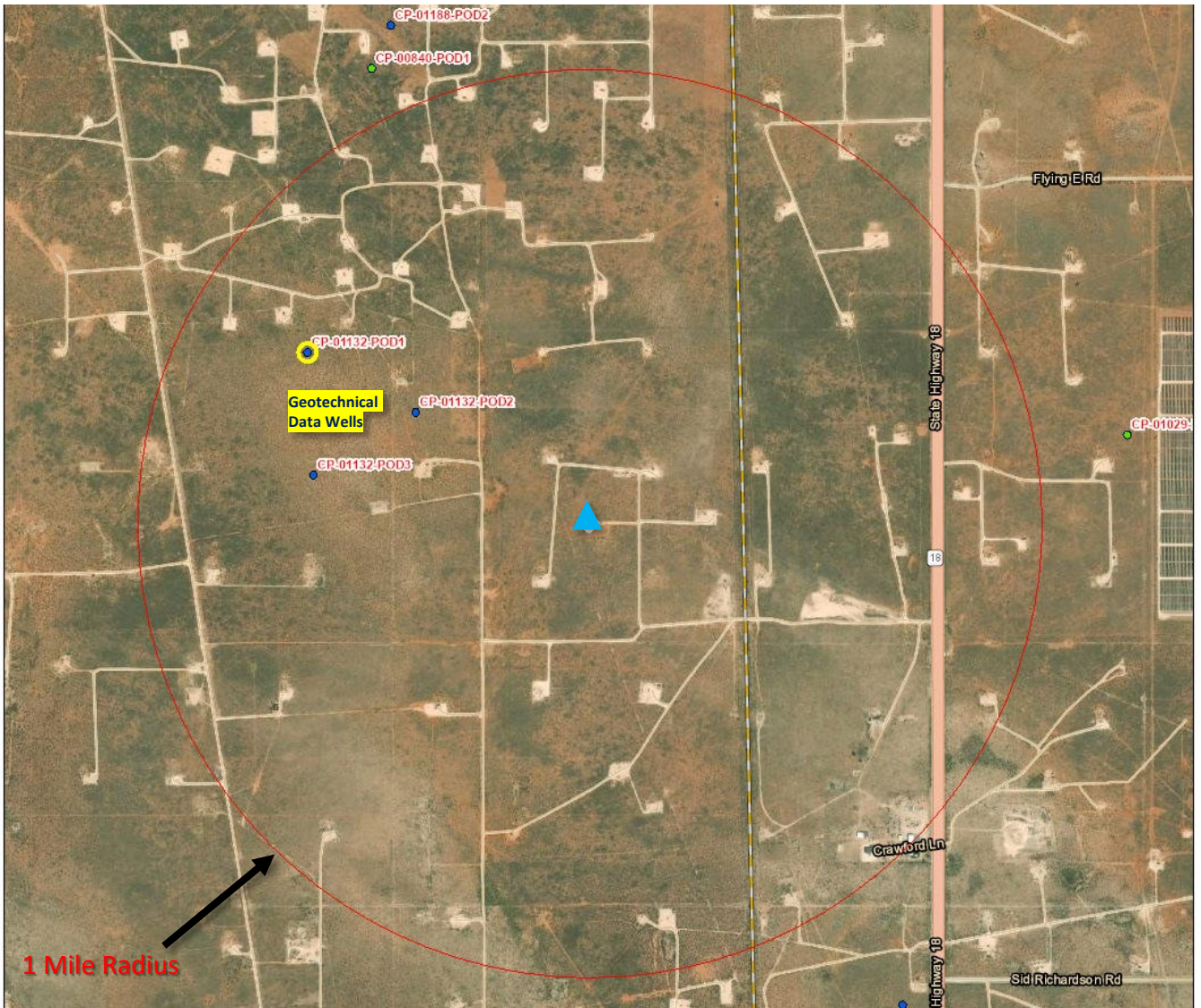
12/1/22 3:34 PM

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

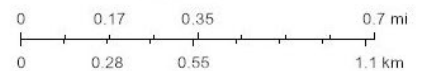


12/1/2022, 4:40:09 PM
GIS WATERS PODs

- Active
- Pending
- Site Boundaries

▲ C-108 Injector

1:18,056



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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	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Q 25	Sec	Tws	Rng	X	Y	Distance	Depth	WellDepth	Water Column
CP.01132.POD2		CP	LE	1	2	4	25	24S	36E		668471	3562698	731	100		
CP.01132.POD3	Non Water Bearing Geotechnical Data Wells	CP	LE	3	1	4	25	24S	36E		668111	3562471	995	100		
CP.01132.POD1		CP	LE	1	3	2	25	24S	36E		668082	3562905	1170	100		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 3

Basin/County Search:

Basin: Capitan

County: Lea

UTMNAD83 Radius Search (in meters):

Easting (X): 669094.427

Northing (Y): 3562316.157

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.

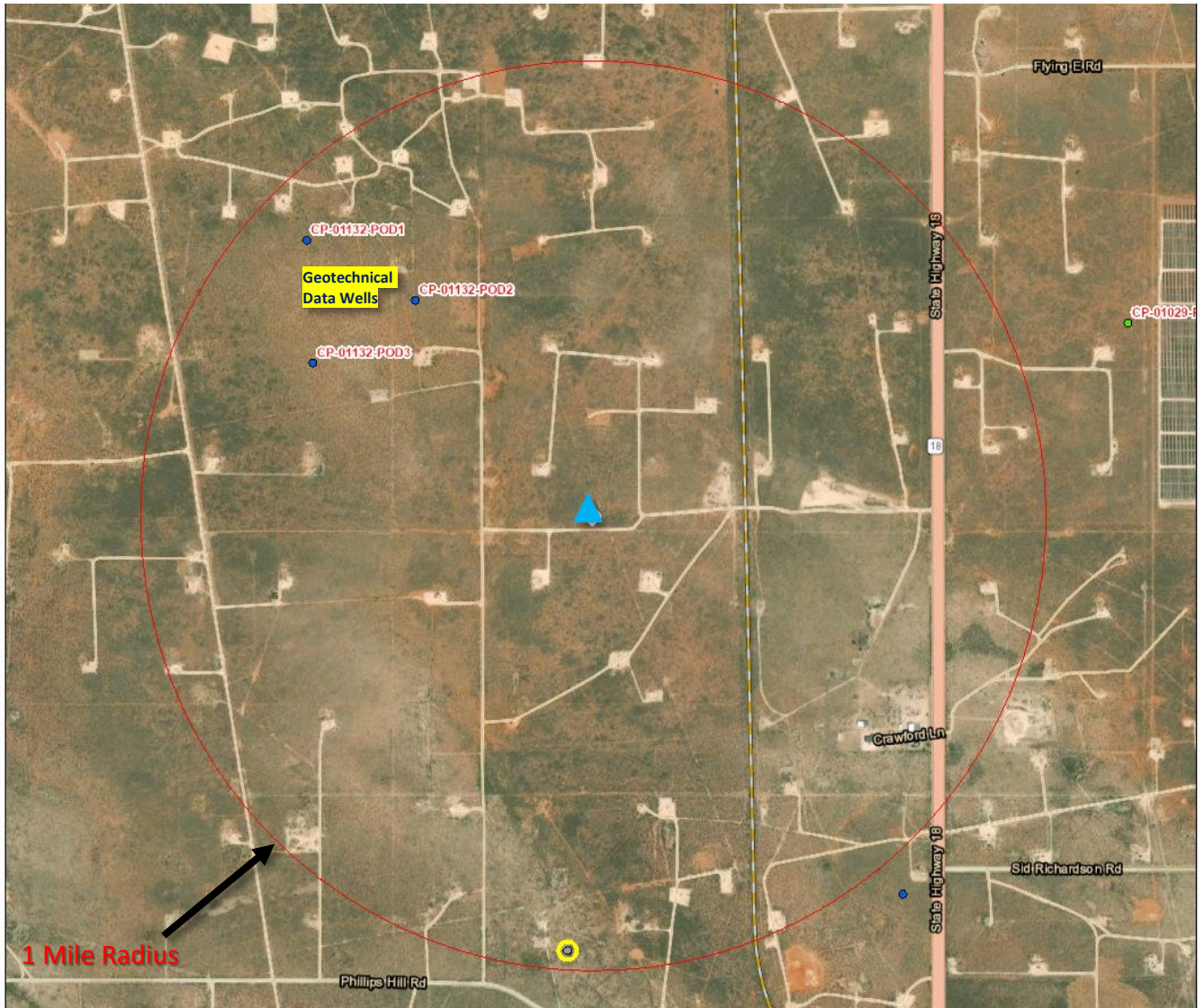
12/1/22 3:39 PM

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 D15a

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



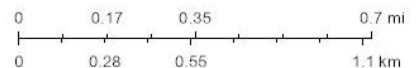
12/1/2022, 4:46:47 PM

▲ C-108 Injector

GIS WATERS PODs

- Active
- Pending
- Incomplete

1:18,056



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

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 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 64	Q 16	Q 4	Sec 25	Tws 24S	Rng 36E	X	Y	Distance	Depth	WellDepth	Water Column
CP.01132.POD2		CP	LE	1	2	4	25	24S	36E	668471	3562698	988	100		
CP.01132.POD3	} Non Water Bearing Geotechnical Data Wells	CP	LE	3	1	4	25	24S	36E	668111	3562471	1130	100		
CP.01132.POD1		CP	LE	1	3	2	25	24S	36E	668082	3562905	1406	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): 669112

Northing (Y): 3561946.806

Radius: 1609.3

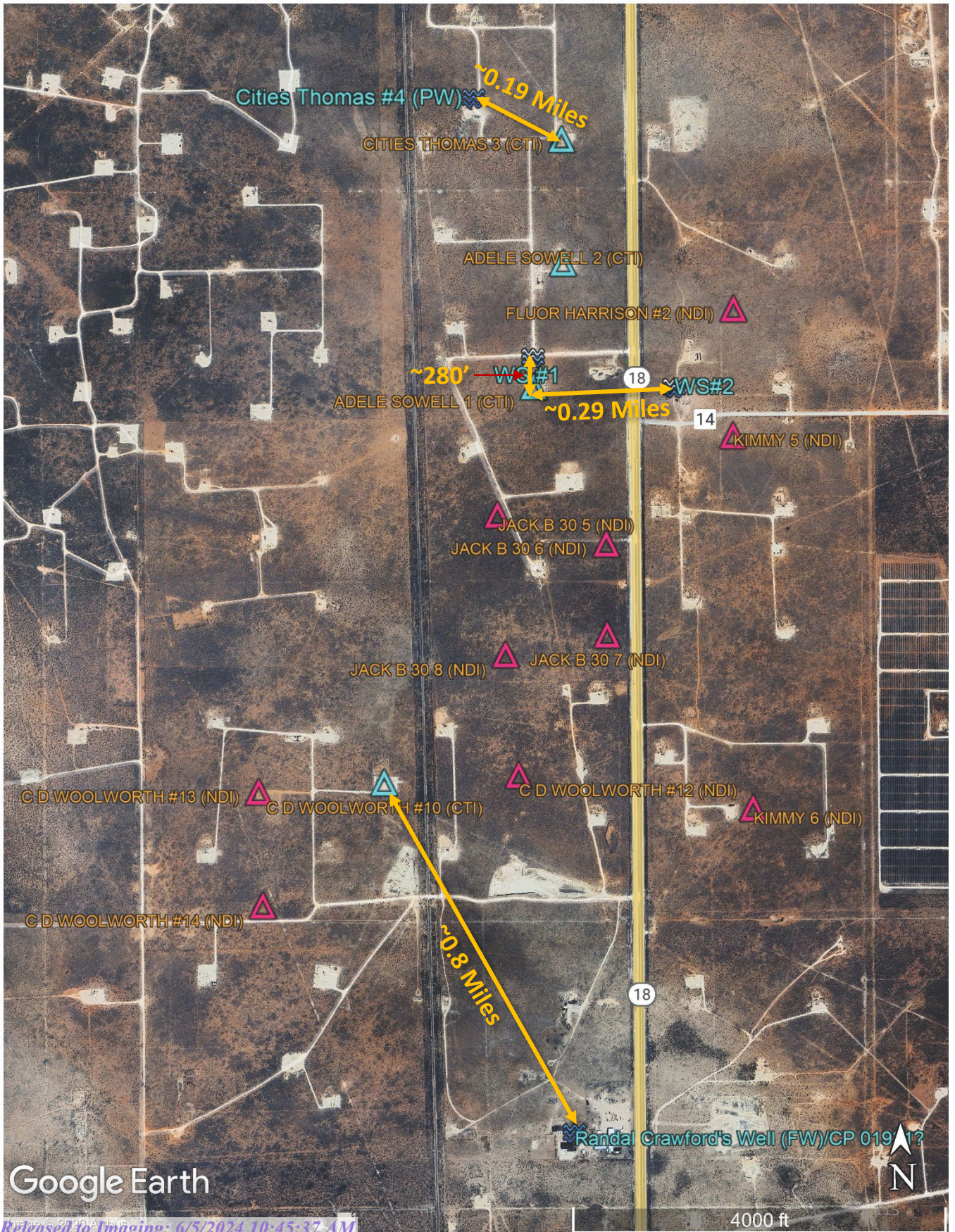
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

12/1/22 3:45 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER.

Water Sample Location Map

XI. Exhibit E1



XI. Exhibit E2



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,

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

Celey D. Keene

Lab Director/Quality Manager

XI. Exhibit E2



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) WS #1 WGS84 Location: 32.197060, -103.196730

Chloride, SM4500Cl-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) WS #2 WGS84 Location: 32.196149, -103.191839

Chloride, SM4500Cl-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) WGS84 Location: 32.204713, -103.198731

Chloride, SM4500Cl-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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, 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 hereunder by Cardinal regardless of whether such claim is based upon any of the above-stated reasons or otherwise. Results relative only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey 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 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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, 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 hereunder by Cardinal regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

XI. Exhibit E2



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Forty Acres Energy</u> Project Manager: <u>JAMES KEENE</u>		P.O. #: Company: Attn:	
Address: City: <u>Houston</u> State: <u>TX</u> Zip:		Address: City: State: Zip:	
Phone #: Fax #: Project #:		Phone #: Fax #: Project #:	
Project Location:		Project Name: <u>North of T91 rd</u>	
Sampler Name: FOR LAB USE ONLY		Matrix:	
Lab I.D. <u>H217799</u> Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	
		ACID/BASE: ICE / COOL OTHER:	
Date: <u>10-6-21</u> Time: <u>1:00 PM</u>		DATE TIME	
Relinquished By: <u>[Signature]</u>		Received By: <u>James Keene</u>	
Relinquished Date:		Received Date:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C <u>21.0</u> Corrected Temp. °C <u>21.1</u>	
Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Bacteria (only) Sample Condition <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: <u>[Signature]</u> Turnaround Time: <u>Standard</u> <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
REMARKS: <u>James@faenergyus.com</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	

XI. Exhibit E3



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

September 14, 2023

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

RE: NORTH OF JAL NN

Enclosed are the results of analyses for samples received by the laboratory on 09/05/23 15:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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/fieldqa/lab_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-B	Total Coliform and E. coli (Coliform M90-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,

Caley D. Keene
Lab Director/Quality Manager

XI. Exhibit E3



PHONE (575) 393-2326 • 101 E. MARLAND • 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 Fax To:	Reported: 14-Sep-23 09:00
--	---	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PW BXP BAT - 32.160545-103.1839	H234799-01	Wastewater	05-Sep-23 13:00	05-Sep-23 15:02
FW 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



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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

XI. Exhibit E3



PHONE (575) 393-2326 ° 101 E. MARLAND ° 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 Fax To:	Reported: 14-Sep-23 09:00
--	---	------------------------------



QT RANDY CRAWFORD 32.174302-103.195474
H234799-03 (Wastewater)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride*	292		4.00	mg/L	1	3090514	AC	06-Sep-23	4500-C1-B	
TDS*	1090		5.00	mg/L	1	3090701	AC	11-Sep-23	160.1	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

XI. Exhibit E3



PHONE (575) 393-2326 • 101 E. MARLAND • 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 Fax To:	Reported: 14-Sep-23 09:00
--	---	------------------------------

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Batch 3090514 - General Prep - Wet Chem										
Blank (3090514-BLK1)				Prepared & Analyzed: 05-Sep-23						
Chloride	ND	4.00	mg/L							
LCS (3090514-BS1)				Prepared & Analyzed: 05-Sep-23						
Chloride	104	4.00	mg/L	100		104	80-120			
LCS Dup (3090514-BSD1)				Prepared & Analyzed: 05-Sep-23						
Chloride	108	4.00	mg/L	100		108	80-120	3.77	20	
Batch 3090701 - Filtration										
Blank (3090701-BLK1)				Prepared: 07-Sep-23 Analyzed: 12-Sep-23						
TDS	ND	5.00	mg/L							
LCS (3090701-BS1)				Prepared: 07-Sep-23 Analyzed: 12-Sep-23						
TDS	518		mg/L	500		104	80-120			
Duplicate (3090701-DUP1)				Source: H234800-01 Prepared: 07-Sep-23 Analyzed: 12-Sep-23						
TDS	4580	5.00	mg/L		4640			1.24	20	

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Celey D. Keene, Lab Director/Quality Manager

XI. Exhibit E3



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 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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by client for analysis. All claims, including those for negligence or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within fifty (50) 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 profit incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

XI. Exhibit E3



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Forty Acres Energy</u> Project Manager: <u>JAMES MARKER</u> Address: <u>Houston</u> State: <u>Tx</u> Zip: _____ City: _____ Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: <u>B&P N.055a1</u> State: _____ Zip: _____ Project Location: _____ Sample Name: _____ FOR LAB USE ONLY		P.O. #: _____ Company: _____ Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____		BILL TO		ANALYSIS REQUEST	
Lab I.D. <u>H234799</u> Sample I.D. <u>1 P&B&P br- 32.160545-103.183901</u> <u>2 Fw South of ETC San Plot 32.170069-103.176363</u> <u>3 RT Randy Crawford 32.174302-103.185474</u>	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	MATRIX ACID/BASE: ICE / COOL OTHER:	PRESERV. DATE TIME	SAMPLING CL TDS	X X X	X X X	X X X
Relinquished By: <u>Shms</u> Date: <u>9-5-23</u> Relinquished By: <u>MSW</u> Date: <u>3:02pm</u>		Received By: <u>James Marker</u> Date: <u>9-5-23</u> Received By: <u>James Marker</u> Date: <u>2:00pm</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ All Results are emailed. Please provide Email address: <u>806-420-5278</u>		Turnaround Time: <u>Standard</u> <input type="checkbox"/> <u>Rush</u> <input type="checkbox"/> Bacteria (only) <input type="checkbox"/> <u>James@4acresenergy.com</u> Cool Intact <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Yes Yes No No Sample Condition Observed Temp. °C Corrected Temp. °C	

XII. Based on the available geologic and engineering data, it has been determined that there is no evidence of open faults or any other hydrologic connection between the injection zone and shallow fresh water sources.

XIII. FAE II Operating LLC, Finaly Resources LLC, Apache Corporation, LLC , BXP Operating, LLC, LEGACY RESERVES OPERATING, LP, Petroleum Exploration Company Ltd., Limited P, and MCDONNOLD OPERATING INC are the offset operators. Surface Owners are **BLM**, RRR Land & Cattle Company, James Pruett, and Henry H. Harrison, Jr .

Apache Corporation, LLC:
2000 Post Oak Boulevard, Suite 100
Houston, Texas 77056

BLM:
301 Dinosaur Trail
Santa Fe, NM 87508

BXP Operating, LLC
XXXXXX
XXXXXX

RRR Land & Cattle Company :
2001 Barberry Rd
Roswell, NM 88201

Finaly Resources LLC,
XXXXXXXXX
XXXXXXXXX

James Pruett:
530 W Hunters Court Way
Mustang, OK 73064

FAE II Operating LLC
11757 Katy Freeway, Suite 725
Houston, TX 77079

Henry H. Harrison, Jr:
1120 Wilma
Tyler, TX 75701

LEGACY RESERVES OPERATING, LP.:
303 West Wall Street, Suite 1400
Midland, TX 79701

MCDONNOLD OPERATING INC.:
505 N. Big Spring St, Suite 204
Midland, TX 79701

Petroleum Exploration Company Ltd., Limited P,
XXXXXX
XXXXXXXXX