PTGW

| DATE IN 6.15.11 | SUSPENSE | ENGINEER RE | LOGGED IN 6.15.11 | TYPE CTB | APP NO 1116653400 |
|---|---|---|---|---|---|

ABOVE THIS LINE FOR DIVISION USE ONLY

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

ALAMO 274841

# ADMINISTRATIVE APPLICATION CHECKLIST

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

30-045-01896
-02643
-02644
-23815
-23842

**Application Acronyms:**

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

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

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

CTB-624-A

Check One Only for [B] or [C] or PLC?

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

Eddy/NM State

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

[D] Other: Specify _____

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

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

[B] ☐ Offset Operators, Leaseholders or Surface Owner

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

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

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

[F] ☐ Waivers are Attached

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

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

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

| Print or Type Name | Signature | Title | Date |
|---|---|---|---|

e-mail Address

ALAMO PERMIAN RESOURCES, LLC

**ALAMO PERMIAN RESOURCES, LLC**

## Commingled Battery Testing & Allocation Procedures
## West Artesia Grayburg Unit
## Eddy County, NM

Alamo Permian Resources, LLC ("Alamo Permian Resources") proposes the surface commingling of its wells on the West Artesia Grayburg Unit and four (4) offset adjacent producing leases, the State "N", the State "B", the Donnelly Kelly State, and Jennings leases, into a single Commingled Battery (the "Battery") located on the West Artesia Grayburg Unit located at the NE/4 SW/4 UL-K, Section 8, Township 18S, Range 28E in Eddy County, New Mexico. Central to this proposal, Alamo Permian Resources seeks the approval of the New Mexico Oil Conservation Division ("the Division") for the implementation of an alternative method for determining production from the wells producing into this Battery based on allocation factors determined from individual well test results. As requested by the Division, Alamo Permian Resources submits the following discussion which outlines the basic equipment that will be installed in the Battery, as well as the basic procedures that will be instituted by Alamo Permian Resources to test producing wells and equitably allocate monthly oil and water production to each well based on well test results.

### Battery Equipment & Vessels

A Commingled Battery permitted and constructed by Alamo Permian Resources with the basic equipment, vessels, and facilities in its design in order to test producing wells on a regular basis and equitably allocate oil and water production between all wells producing into the Battery. This Battery equipment will include:

- Inlet Well Header(s) which allow the switching of each well tied into the Battery from production to the Test Tank(s) individually;
- Test Tank(s) for the isolation and testing of each well. The number of Test Tanks will be dependent on the number of wells producing into the Battery;
- At least 2 steel Oil Tanks where total oil production is gauged and oil is sold;
- 1 – 2 fiberglass Water Tanks, depending on the amount of water produced on a daily basis from the wells and how it is handled;
- A primary separation vessel, such as a Free-Water-Knockout ("FWKO"), Separator, or Heater-Treater Separator, to remove the majority of water production from oil production;
- A Gun Barrel as a secondary separation vessel to separate the remaining water from the oil and send the oil to the Oil Tanks; and
- A Circulating Pump to allow for transfer of oil and water between Test Tanks, separation vessels, Oil Tanks, and Water Tanks in the Battery.

### Tank Gauging

Each day, each Oil Tank, Water Tank, and Test Tank in the Battery will be gauged by the Alamo Permian Resources Pumper using a steel tape line. The amount of oil and water is measured by using water-finding paste ("color-cut") on the steel tape line. The gauge levels

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PHONE: 432.897.0673 • FAX: 432.686.8454

of oil and water in the battery tanks are recorded in the daily field gauge report and used to calculate the total daily and monthly oil and water production volumes for the Battery. The daily Battery oil and water production are sent to the Alamo Permian Resources – Midland, Texas office each day and are used at the end of each month to determine the Total Monthly Battery Production – oil and water production volumes.

Additionally, a record is kept of the number of Producing Days each month for each well. This information is recorded by the Pumper each day on a monthly "Days On and Off Report" form which tracks the days on production and the days off production for each well over the course of the month. This report is sent to the Alamo Permian Resources – Midland, Texas office at the end of each month to be used in the allocation process.

**Well Testing**

Prior to each Well Test, the Test Tank is emptied using Circulating Pump to move contents to the FWKO. The remaining volume in the Test Tank, if any, is gauged and color-cut to determine the oil and water volumes in the tank at the start of the Well Test.

- At the Well Header at the entry to the Battery, the well selected to be tested is switched from Production to Test by opening and closing the appropriate valves on the header manifold to route the produced fluids from the well to a Test Tank.
- Each well producing into the Battery is to be tested at least once per month, but will be tested as many times as practical.
- The well will be left "on test" until a stabilized daily production rate is established, with a minimum test time of 48 hours.
- After the well has been on test a minimum of 24 hours, the produced fluids in the Test Tank will be gauged and color-cut. If the color-cut demarcation between oil and water is not clear, a fluid sample will be taken from the Test Tank using a "thief" sample catcher which allows the sampling of fluids in the tank at any desired depth in order to verify the composition of the produced fluids in the tank, both oil and water.
- Once the volumes of oil and water in the Test Tank have been determined, the well's Test Volumes over the preceding 24 hours are determined by subtracting the Test Tank volumes at the start of the test period from the Test Tank volumes recorded at the end of the period.
- The 24-hour Test Volumes of Oil and Water production from the well are recorded and sent to the Alamo Permian Resources – Midland, Texas office.
- At the conclusion of each Well Test, the produced oil and water volumes in the Test Tank are sent to the Battery FWKO by Circulating Pump.

**Monthly Production Allocations**

Each month, the Total Monthly Battery oil and water production volumes are allocated to each producing well producing into the Battery based on the well's Well Tests during the month and its number of Producing Days during the month. The Monthly Production Allocations methodology is as follows:

- The Total Monthly Battery Production (oil and water) is determined from the daily field gauge reports from the Pumper.

- The representative Well Test for each well is selected from the Well Tests run during the month. If more than one Well Test is run on a well during the month and all are determined to be representative, then the arithmetic average of the individual Well Tests is used as the Well Test for the well during the month.
- For each well producing into the Battery, the Well Test for the month is multiplied by the well's Producing Days during the month to calculate the Well Pseudo-Production for the month.
- The Well Pseudo-Production for each well is calculated and then all are summed for the month to calculate the Total Battery Pseudo-Production for the month.
- The Monthly Well Allocation Factor is then calculated for each well by dividing the Well Pseudo-Production for the month by the Total Battery Pseudo-Production for the month. Individual allocation factors are determined for both oil and water production for each well in the Battery by this method.
- The Monthly Allocated Production for each well is then calculated by multiplying the well's Monthly Well Allocation Factor by the Total Monthly Battery Production. Individual monthly oil and water allocated production volumes for each well in the Battery are determined by this method.
- Monthly Oil Sales for each well are also determined using the Monthly Well Allocation Factors and the Total Monthly Battery Oil Sales volumes for the Battery.

**Example Monthly Well Allocation**

The Gusher #1 well is producing into the Battery. Determine the Monthly Allocated Production (oil and water) for the Gusher #1:

| | |
|---|---|
| • Total Monthly Battery Production: | 4,500 BO & 3,000 BW |
| • Gusher #1 Well Test for the month: | 20 BOPD & 10 BWPD |
| • Gusher #1 Producing Days in the month: | 25 Days |
| • Gusher #1 Well Pseudo-Production: | (20 BOPD x 25 Days) = 500 PBO<br>(10 BWPD x 25 Days) = 250 PBW |
| • Total Battery Pseudo-Production: | 6,250 PBO & 5,000 PBW |
| • Gusher #1 Monthly Well Allocation Factor: | (500 PBO / 6,250 PBO) = 0.08 for Oil<br>(250 PBW / 5,000 PBW) = 0.05 for Water |
| • <u>Gusher #1 Monthly Allocated Production</u>: | (0.08 x 4,500 BO) = <u>360 BO</u><br>(0.05 x 3,000 BW) = <u>150 BW</u> |

ALAMO
PERMIAN RESOURCES, LLC

June 13, 2011

CERTIFIED MAIL 7009 2250 0000 0594 1121

Mr. Richard Ezeanyim
State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RECEIVED OCD
2011 JUN 15 A 11:56

**RE: Surface Commingling Order CTB-624**
**State Lease No. 703; Donnelly Kelly State Lease; Well #s 2 & 3**
**State Lease No. E-9261; State E Lease (formally known as State B); Well #2**
**State Lease No. E-828 (formally filed as 30578); State N Lease; Well #1**
**Fee Lease; Jennings Lease; Well # 1**
**All in NMPM, Eddy County, New Mexico**
**Amend order to include West Artesia Grayburg Unit Wells**

Dear Mr. Ezeanyim:

Per our telephone conversation on Monday, June 6, 2011, I am requesting an amendment to Surface Commingling Order CTB-624; dated February 15, 2011, to include the following West Artesia Grayburg Unit wells:

State Lease No. OG-1644
West Artesia Grayburg Unit #1 API: 30-015-02645
State Lease No. E-2715
West Artesia Grayburg Unit #2 API: 30-015-02640
West Artesia Grayburg Unit #27 API: 30-015-23869
State Lease No. B-6043
West Artesia Grayburg Unit #3 API: 30-015-02630
State Lease No. B-11539
West Artesia Grayburg Unit #4 API: 30-015-02648
West Artesia Grayburg Unit #5 API: 30-015-02647
State Lease No. OG-703
West Artesia Grayburg Unit #6 API: 30-015-10328
State Lease No. OG-5851
West Artesia Grayburg Unit #7 API: 30-015-02639
State Lease No. E-7255
West Artesia Grayburg Unit #8 API: 30-015-02659
West Artesia Grayburg Unit #9 API: 30-015-02658
State Lease No. E-7179
West Artesia Grayburg Unit #12 API: 30-015-02649
State Lease No. OG-780
West Artesia Grayburg Unit #13 API: 30-015-02636
State Lease No. E-1820
West Artesia Grayburg Unit #19 API: 30-015-01897
State Lease No. E-7255
West Artesia Grayburg Unit #20 API: 30-015-23113

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State Lease No. B-11539
West Artesia Grayburg Unit #21 API: 30-015-23619
West Artesia Grayburg Unit #26 API: 30-015-23784
Fee Lease
West Artesia Grayburg Unit #14 API: 30-015-02635
West Artesia Grayburg Unit #16 API: 30-015-02641
West Artesia Grayburg Unit #17 API: 30-015-02642
West Artesia Grayburg Unit #18 API: 30-015-01899
West Artesia Grayburg Unit #24 API: 30-015-23724
State Lease No. E-7179
West Artesia Grayburg Unit #22 API: 30-015-23639 (P&A'd 05/06/2011)

Enclosed is a complete description of each well; and the mailing names and addresses of all contacts for associated wells. If you should have any questions, comments, or need additional data, please do not hesitate to contact me.

Sincerely;

Joanne Keating
Regulatory Affairs Coordinator

Enclosures

**Donnelly Kelley Lease**
**State Lease No. 703**
**API#: 30-015-02644 (2) & 30-015-23815 (3)**

| Owner Name & Address |
| --- |
| Commissioner Of Public Lands<br>PO Box 1148<br>Santa Fe, NM 87504-1148 |
| James Warren Hanson<br>PO Box 9<br>Glencoe, NM 88324-0009 |
| Buckhorn Enterprises Corp.<br>2101 W. Runyan<br>Artesia, NM 88210-2573 |
| Chase Oil Corporation<br>PO Box 1767<br>Artesia, NM 88211-1767 |
| Splash Exploration LTD Partnership<br>PO Box 1973<br>Roswell, NM 88202-1973 |
| Alamo Resources II LLC<br>820 Gessner<br>Ste. 1650<br>Houston, TX 77024 |

**Jennings Lease**
**Fee Lease**
**API#: 30-015-23842 (1)**

| Owner Name & Address |
| --- |
| James Warren Hanson<br>PO Box 9<br>Glencoe, NM 88324-0009 |
| Mossman-Midwest Co.<br>PO Box 597<br>Roswell, NM 88202-0597 |
| Alamo Resources II LLC<br>820 Gessner<br>Ste. 1650<br>Houston, TX 77024 |

**State E Lease**
**(Formally Known As State B Lease)**
**State Lease No. E-9261**
**API#: 30-015-01896 (2)**

| Owner Name & Address |
| --- |
| Commissioner of Public Lands<br>PO Box 1148<br>Santa Fe, NM 87504-1148 |
| James Warren Hanson<br>PO Box 9<br>Glencoe, NM 88324-0009 |
| Poco Royalty Co.<br>2602 Terrace<br>Midland, TX 79705 |
| BNM Inc.<br>4032 US HWY 82<br>Mayhill, NM 88339 |
| Chase Oil Corporation<br>PO Box 1767<br>Artesia, NM 88211-1767 |
| Mayhill Oil Corporation<br>PO Box 5334<br>Midland, TX 79704-5334 |
| Tay-Mor Enterprises Inc.<br>PO Box 4723<br>Midland, TX 79707-4723 |
| Barbara Wickham<br>3301 Maxwell Dr.<br>Midland, TX 79707 |
| Alamo Resources II LLC<br>820 Gessner<br>St. 1650<br>Houston, TX 77024 |

**State N Lease**
**State Lease No. E-828**
**API#: 30-015-02643 (1)**

| Owner Name & Address |
|---|
| Commissioner of Public Lands<br>PO Box 1148<br>Santa Fe, NM 87504-1148 |
| James Warren Hanson<br>PO Box 9<br>Glencoe, NM 88324-0009 |
| Poco Royalty Co.<br>2602 Terrace<br>Midland, TX 79705 |
| BNM Inc.<br>4032 US HWY 82<br>Mayhill, NM 88339 |
| Chase Oil Corporation<br>PO Box 1767<br>Artesia, NM 88211-1767 |
| Mayhill Oil Corporation<br>PO Box 5334<br>Midland, TX 79704-5334 |
| Tay-Mor Enterprises Inc.<br>PO Box 4723<br>Midland, TX 79707-4723 |
| Barbara Wickham<br>3301 Maxwell Dr.<br>Midland, TX 79707 |
| Alamo Resources II LLC<br>820 Gessner<br>Ste. 1650<br>Houston, TX 77024 |

**West Artesia Grayburg Unit**
**Lease & API Numbers - see below**

| Owner Name & Address |
|---|
| Commissioner of Public Lands<br>PO Box 1148<br>Santa Fe, NM 87504-1148 |
| Tracy P. Clark<br>PO Box 52067<br>Midland, TX 79710-2067 |
| Myrna Sue Zumwalt<br>679 Ladore St.<br>Grand Junction, CO 81504-5586 |
| Exxon Corporation<br>ATTN: Royalty Owner Relations<br>PO Box 2024<br>Houston, TX 77252-2024 |
| Marathon Oil Company<br>PO Box 2069<br>Houston, TX 77252-2069 |
| ConocoPhillips Company<br>Real Property Administration<br>PO Box 7500<br>Bartlesville, OK 74005-7500 |
| Joyce R. Castor<br>31418 Helen Ln.<br>Tomball, TX 77375 |
| Velda J. (Shepard) Gass<br>2507 Fontana St.<br>Odessa, TX 75763-2218 |
| James Warren Hanson<br>PO Box 9<br>Glencoe, NM 88324-0009 |
| Joy Shepard Parsons<br>119 Northwood MHP<br>Lewisville, TX 75057 |
| Roxanna L. Shepard Mills<br>RR 1 Box 126R<br>Decatur, TX 76234-9721 |
| Theresa Burnsides<br>2114 Ashgrove Dr.<br>Houston, TX 77077-6016 |
| Texas State Comptroller F/A/O<br>Nancy Sue Shepard Holland<br>Unclaimed Property Division<br>PO Box 12019<br>Austin, TX 78711-2019 |
| Pitch Energy Corp.<br>PO Box 304<br>Artesia, NM 88211-0304 |

Judy N. Deans
409 Commerce Rd.
Artesia, NM 88210-9432

Leland Price Inc.
1511 Northgate Pl.
Artesia, NM 88210

Nancy Joy Parsons
237 Mountainview Dr.
Hurst, TX 76054

Spurck Family Trust U/D/T 12/6/87
Barbara Hughes Childs & Dawn C. Stead
Co-Trustees
22712 Erwin St.
Woodland Hills, CA 91367

Robert G. Hanagan D/B/A
Hanagan Properties
PO Box 1887
Santa Fe, NM 87504-1887

Mossman-Midwest Co.
PO Box 597
Roswell, NM 88202-0597

John Bedingfield
PO Box 630
Artesia, NM 88211-0630

Nancy H. Stanbery
207 N. Main
Jenera, OH 45841

Chase Oil Corporation
PO Box 1767
Artesia, NM 88211-1767

Mayhill Oil Corporation
PO Box 5334
Midland, TX 79704-5334

Tay-Mor Enterprises
PO Box 4723
Midland, TX 79707-4723

Headington Royalty Inc.
2711 N. Haskell Ave.
Ste. 2800
Dallas, TX 75204

Boling Enterprises Ltd.
Robert Michael Boling
Manager
PO Box 2563
Roswell, NM 88202

JV Royalty Group
PO Box 2035
Roswell, NM 88202-2035

Ann Armstrong Wagner
1103 Kachina Dr.
Roswell, NM 88201-8347

Sue Armstrong Chapman
PO Box 776
Ruidoso, NM 88355

Tex Zia Properties
PO Box 261427
Plano, TX 75026-1427

ML Boling Development LLC
PO Box 1514
Roswell, NM 88202

Van Winkle Family LLC
C/O Sammy Keith Van Winkle
9191 Yellowstone Rd.
Longmont, CO 80501

Mindy L. Porter
8704 Little Laura Dr.
Austin, TX 78757

Betty L. Hanagan Residuary Trust
Hugh E. Hanagan & Michael G. Hanagan
Co-Trustees
PO Box 1737
Roswell, NM 88202-1737

Alamo Resources II LLC
820 Gessner
Ste. 1650
Houston, TX 77024

## Alamo Permian Resources, LLC (OGRID 274841): Surface Commingle Order CTB-624; Dated - February 15, 2011

**Well Locations**

| Lease Name | Well No. | API No. | Operator | LOCATION | | | Well Type | Well Status | Spud Date | Total Depth |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | UL | Sec,Twp,Rge | FootageCalls | | | | |
| DONNELLY KELLY STATE | 2 | 30-015-02644 | ALAMO PERMIAN RESOURCES, LLC | O | S:8, T:18S, R:28E | 330 FSL, 2310 FEL | Oil | Pumping | 10/31/1957 | 2485' |
| DONNELLY KELLY STATE | 3 | 30-015-23815 | ALAMO PERMIAN RESOURCES, LLC | O | S:8, T:18S, R:28E | 990 FSL, 2270 FEL | Oil | Pumping | 6/19/1981 | 2510' |
| JENNINGS | 1 | 30-015-23842 | ALAMO PERMIAN RESOURCES, LLC | A | S:18, T:18S, R:28E | 406 FNL, 330 FEL | Oil | Pumping | 6/27/1981 | 2634' |
| STATE E (Formally known as STATE B) | 2 | 30-015-01896 | ALAMO PERMIAN RESOURCES, LLC | B | S:17, T:18S, R:28E | 330 FNL, 2310 FEL | Oil | Pumping | 3/13/1957 | 2482' |
| STATE N | 1 | 30-015-02643 | ALAMO PERMIAN RESOURCES, LLC | N | S:8, T:18S, R:28E | 330 FSL, 1650 FWL | Oil | Pumping | 1/9/1956 | 2167' |
| WEST ARTESIA GRAYBURG UNIT | 1 | 30-015-02645 | ALAMO PERMIAN RESOURCES, LLC | C | S:8, T:18S, R:28E | 990 FNL, 2310 FWL | Inj | Injection | 10/3/1958 | 2297' |
| WEST ARTESIA GRAYBURG UNIT | 2 | 30-015-02640 | ALAMO PERMIAN RESOURCES, LLC | D | S:8, T:18S, R:28E | 990 FNL, 990 FWL | Oil | Pumping | 4/18/1958 | 2382' |
| WEST ARTESIA GRAYBURG UNIT | 3 | 30-015-02630 | ALAMO PERMIAN RESOURCES, LLC | H | S:7, T:18S, R:28E | 2310 FNL, 330 FEL | Oil | Pumping | 12/18/1957 | 2415' |
| WEST ARTESIA GRAYBURG UNIT | 4 | 30-015-02648 | ALAMO PERMIAN RESOURCES, LLC | E | S:8, T:18S, R:28E | 2310 FNL, 990 FWL | Inj | Injection | 1/24/1958 | 2290' |
| WEST ARTESIA GRAYBURG UNIT | 5 | 30-015-02647 | ALAMO PERMIAN RESOURCES, LLC | F | S:8, T:18S, R:28E | 2310 FNL, 1980 FWL | Oil | Pumping | 11/15/1957 | 2314' |
| WEST ARTESIA GRAYBURG UNIT | 6 | 30-015-10328 | ALAMO PERMIAN RESOURCES, LLC | G | S:8, T:18S, R:28E | 2310 FNL, 1980 FEL | Inj | Injection | 6/24/1964 | 2293' |
| WEST ARTESIA GRAYBURG UNIT | 7 | 30-015-02639 | ALAMO PERMIAN RESOURCES, LLC | H | S:8, T:18S, R:28E | 2310 FNL, 990 FEL | Oil | Pumping | 5/3/1962 | 2359' |
| WEST ARTESIA GRAYBURG UNIT | 8 | 30-015-02659 | ALAMO PERMIAN RESOURCES, LLC | I | S:8, T:18S, R:28E | 2310 FSL, 990 FEL | Oil | Pumping | 7/14/1958 | 2366' |
| WEST ARTESIA GRAYBURG UNIT | 9 | 30-015-02658 | ALAMO PERMIAN RESOURCES, LLC | J | S:8, T:18S, R:28E | 2310 FSL, 2310 FEL | Oil | Pumping | 12/30/1957 | 2345' |
| WEST ARTESIA GRAYBURG UNIT | 12 | 30-015-02649 | ALAMO PERMIAN RESOURCES, LLC | L | S:8, T:18S, R:28E | 1650 FSL, 990 FWL | Inj | Injection | 9/7/1957 | 2273' |
| WEST ARTESIA GRAYBURG UNIT | 13 | 30-015-02636 | ALAMO PERMIAN RESOURCES, LLC | I | S:7, T:18S, R:28E | 2310 FSL, 330 FEL | Inj | Injection | 6/21/1958 | 2251' |
| WEST ARTESIA GRAYBURG UNIT | 14 | 30-015-02635 | ALAMO PERMIAN RESOURCES, LLC | P | S:7, T:18S, R:28E | 990 FSL, 330 FEL | Oil | Pumping | 6/30/1958 | 2225' |
| WEST ARTESIA GRAYBURG UNIT | 16 | 30-015-02641 | ALAMO PERMIAN RESOURCES, LLC | M | S:8, T:18S, R:28E | 400 FSL, 330 FWL | Oil | Active | 5/21/1950 | 2255' |
| WEST ARTESIA GRAYBURG UNIT | 17 | 30-015-02642 | ALAMO PERMIAN RESOURCES, LLC | M | S:8, T:18S, R:28E | 330 FSL, 987 FWL | Oil | Pumping | 9/7/1957 | 2118' |
| WEST ARTESIA GRAYBURG UNIT | 18 | 30-015-01899 | ALAMO PERMIAN RESOURCES, LLC | D | S:17, T:18S, R:28E | 330 FNL, 990 FWL | Inj | Injection | 3/29/1960 | 2451' |
| WEST ARTESIA GRAYBURG UNIT | 19 | 30-015-01897 | ALAMO PERMIAN RESOURCES, LLC | C | S:17, T:18S, R:28E | 330 FNL, 1650 FWL | Oil | Pumping | 4/3/1957 | 2145' |
| WEST ARTESIA GRAYBURG UNIT | 20 | 30-015-23113 | ALAMO PERMIAN RESOURCES, LLC | J | S:8, T:18S, R:28E | 1650 FSL, 1980 FEL | Oil | Pumping | 1/16/1980 | 10560' |
| WEST ARTESIA GRAYBURG UNIT | 21 | 30-015-23619 | ALAMO PERMIAN RESOURCES, LLC | E | S:8, T:18S, R:28E | 1650 FNL, 330 FWL | Oil | Pumping | 2/3/1981 | 2520' |
| WEST ARTESIA GRAYBURG UNIT | 22 | 30-015-23639 | ALAMO PERMIAN RESOURCES, LLC | L | S:8, T:18S, R:28E | 2269 FSL, 330 FWL | Oil | P & A | 2/12/1981 | 2551' |
| WEST ARTESIA GRAYBURG UNIT | 24 | 30-015-23724 | ALAMO PERMIAN RESOURCES, LLC | M | S:8, T:18S, R:28E | 970 FSL, 330 FWL | Oil | Pumping | 3/28/1981 | 2325' |
| WEST ARTESIA GRAYBURG UNIT | 26 | 30-015-23784 | ALAMO PERMIAN RESOURCES, LLC | F | S:8, T:18S, R:28E | 1710 FNL, 2274 FWL | Oil | Pumping | 7/13/1981 | 2539' |
| WEST ARTESIA GRAYBURG UNIT | 27 | 30-015-23869 | ALAMO PERMIAN RESOURCES, LLC | D | S:8, T:18S, R:28E | 330 FNL, 330 FWL | Oil | Pumping | 7/23/1981 | 2520' |

**Leases unitized in West Artesia Grayburg Unit**

State Lease B-6043
State Lease B-11539
State Lease E-1820
State Lease E-2715
State Lease E-7179
State Lease E-7255
State Lease OG-703
State Lease OG-780
State Lease OG-1644
State Lease OG-5851
Fee lease

| | Well number | API | Location of well lease number |
|---|---|---|---|
| | 1 | 30-015-02645 | OG-1644 |
| | 2 | 30-015-02640 | E-2715 |
| | 3 | 30-015-02630 | B-6043 |
| | 4 | 30-015-02648 | B-11539 |
| | 5 | 30-015-02647 | B-11539 |
| | 6 | 30-015-10328 | OG-703 |
| | 7 | 30-015-02639 | OG-5851 |
| | 8 | 30-015-02659 | E-7255 |
| | 9 | 30-015-02658 | E-7255 |
| | 12 | 30-015-02649 | E-7179 |
| | 13 | 30-015-02636 | OG-780 |
| | 14 | 30-015-02635 | fee |
| | 16 | 30-015-02641 | fee |
| | 17 | 30-015-02642 | fee |
| | 18 | 30-015-01899 | fee |
| | 19 | 30-015-01897 | E-1820 |
| | 20 | 30-015-23113 | E-7255 |
| | 21 | 30-015-23619 | B-11539 |
| **P & A'd 05/06/2011** | 22 | 30-015-23639 | E-7179 |
| | 24 | 30-015-23724 | fee |
| | 26 | 30-015-23784 | B-11539 |
| | 27 | 30-015-23869 | E-2715 |