

AWOAT-200402-C-107B 950

Revised March 23, 2017

RECEIVED: 4/2/20	REVIEWER:	TYPE: CTB	APP NO: pDM2009949718
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

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

**ADMINISTRATIVE APPLICATION CHECKLIST**

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

**Applicant:** LOGOS Operating, LLC **OGRID Number:** 289408  
**Well Name:** Apollo 2407 29E 1H (Multiple wells - see attached.) **API:** 30-039-31379  
**Pool:** Escrito-Gallup (Associated) **Pool Code:** 22619

**SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION  
 INDICATED BELOW**

- 1) **TYPE OF APPLICATION:** Check those which apply for [A]  
 A. Location – Spacing Unit – Simultaneous Dedication  
☐ NSL ☐ NSP (PROJECT AREA) ☐ NSP (PRORATION UNIT) ☐ SD
- B. Check one only for [ I ] or [ II ]  
 [ I ] Commingling – Storage – Measurement  
☐ DHC ☐ CTB ☒ PLC ☐ PC ☐ OLS ☐ OLM  
 [ II ] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery  
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

- 2) **NOTIFICATION REQUIRED TO:** Check those which apply.  
 A. ☐ Offset operators or lease holders  
 B. ☒ Royalty, overriding royalty owners, revenue owners  
 C. ☐ Application requires published notice  
 D. ☐ Notification and/or concurrent approval by SLO  
 E. ☐ Notification and/or concurrent approval by BLM  
 F. ☐ Surface owner  
 G. ☒ For all of the above, proof of notification or publication is attached, and/or,  
 H. ☐ No notice required

**FOR OCD ONLY**

- ☐ Notice Complete  
☐ Application Content Complete

- 3) **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.**

J. Scott Hall, Senior Attorney

Print or Type Name

Signature

April 2, 2020

Date

(505) 303-7236

Phone Number

shall@logosresourcesllc.com

e-mail Address



2010 Afton Place  
Farmington, NM 87401  
Phone: (505) 278-8720  
Fax: (505) 326-6112

March 18, 2020

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

**RE: Application for administrative approval to authorize lease commingling, off-lease storage, and off-lease measurement at the Apollo 2407 29E well pad facility located in SW/NW, Section 29, Township 24 North, Range 7 West, N.M.P.M., Rio Arriba County, New Mexico**

LOGOS Operating, LLC (LOGOS) (OGRID 289408) seeks approval to surface commingle production from various federal leases from the Escrito Gallup (Associated) Pool (22619); and off-lease storage and measurement.

- (a) The **320.0 acres** underlying SE, W2NE, E2NW of Section 19, and from **40 acres** underlying NWNW of Section 29, and from **40 acres** underlying NENE of Section 30. Dedicated to the proposed Apollo 2407 29E 1H (API 30-039-31379). **Total 400 acres.**
- (b) The **321.56 acres** underlying Lots 1, 2, and E2NW, NESW, W2SE, SESE of Section 19, and from **80 acres** underlying N2/NE of Section 30. Dedicated to the proposed Apollo 2407 29E 2H (API pending). **Total 401.56 acres.**
- (c) The **161.64 acres** underlying Lots 3, 4 and E2/SW of Section 19, and from **200 acres** underlying NE, NENW of Section 30. Dedicated to the proposed Apollo 2407 29E 3H (API pending). **Total 361.64 acres.**
- (d) The **241.62 acres** underlying Lots 1, 2 and E2NW, S2NE of Section 30, and from the **40 acres** underlying SWNW of Section 29. Dedicated to the proposed Apollo 2407 29E 4H (API pending). **Total 281.62 acres.**

The surface commingle production from the separate leases will be at a common surface facility located in Section 29 on federal surface. The common surface facility is off-lease for the production from leases SF0078924, NM117567, NM0557391, and FEE for the proposed Apollo 2407 29E 1H, 2H, 3H and 4H. Oil, gas and water production from each of the geographic areas will be separately metered using an orifice meter for gas, Coriolis meter for oil, and a turbine meter for water at this facility.

Well	API#	Federal Lease	Royalty Rate (%)	Pool
		SF0078924/NM117567/ FEE/NM0557391		
Apollo 2407 29E 1H	30-039-31379		12.5 & FEE	Escrito Gallup (22619)
Apollo 2407 29E 2H	30-039-	NM117567/FEE/NM0557391	12.5 & FEE	Escrito Gallup (22619)
Apollo 2407 29E 3H	30-039-	NM117567/NM0557391/FEE	12.5 & FEE	Escrito Gallup (22619)
Apollo 2407 29E 4H	30-039-	SF0078924/NM117567	12.5	Escrito Gallup (22619)



From the individual wells, each flows to a unique production separator, at the separator outlet each well shall be separately metered before commingling with production from other wells. Gas is measured by orifice meter, oil is measured by Coriolis meter, and water is measured by turbine meter. Gas used in gas lift operation is also metered uniquely for each well by orifice meter. The gas used in gas lift operation (reinjecting for artificial lift) for each well is netted against the separator measured gas to calculate a net gas volume for each well.

Gas used on the site for production equipment (heaters, generators, engines) is measured by orifice meter and allocated to each well based on the net gas production allocation.

Gas recovered by the vapor recovery unit is measured by orifice meter, combined with the site gas stream and allocated to each well based on the oil production allocation, per the Coriolis meters.

After measurement by the individual well allocation meters and gas lift meters, the net gas for each well will be commingled prior to delivery to the gas pipeline gatherer where the gas is measured by the gatherer orifice delivery meters. Any gas returned for use on the site is measured by a gatherer return gas orifice meters. The gas delivered to the gatherer minus any gas returned by the gatherer will be allocated based on the gas allocation meter percentages.

After measurement by the individual well allocation meter, the oil will be commingled and stored in sealed tanks, tank levels are recorded by radar measurement. When tank volume is sufficient for delivery to the oil pipeline gatherer the oil is measured by the gatherer LACT meter. FIFO method per allocations.

The meters shall be calibrated in accordance with 19.15.12.10.C (2) NMAC, BLM 43 CFR 3174 and 3175 requirements.

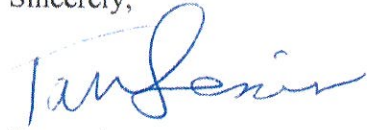
LOGOS anticipates the Apollo 2407 29E 1H, 2H, 3H and 4H will produce oil and gas in paying quantities, exceeding the cost to operate the wells, based on the evidence provided by wells in the vicinity in addition to LOGOS' understanding of the geology in the area surrounding the wells. Based upon public data, the average EUR for all producing horizontal Gallup oil wells is ~50 BO/ft. to date.

The closest wells to the Apollo pad were drilled in 2013 and 2014, in an area highly depleted by existing vertical wells and were also stimulated with less intensity than modern completions. In spite of the suboptimal prior drainage and completion method, these wells continue to produce and LOGOS believes have a EUR that is nearly average for the basin. The data from 11 offset horizontal wells within 3 sections of the perimeter of the larger project area for these wells was analyzed (including only those horizontal wells producing from the same zone). 55% of these wells had EURs significantly higher than the basin-wide average. The wells with lower EURs were drilled in substantially depleted areas and stimulated with sub-optimal proppant loading. In total, based on public data, the average EUR for these 11 wells is 67 BO/ft., above the average for the basin.

Given LOGOS' extensive understanding of the regional geology, and the performance of the wells in the perimeter of the 2407 MDP area, LOGOS' anticipates that the wells on the Apollo 2407 29E pad

will perform similar to or better than the existing Gallup wells in the area, and will produce oil and gas in paying quantities.

Sincerely,

A handwritten signature in blue ink, appearing to read "Tamra Sessions", written over a faint horizontal line.

Tamra Sessions  
Regulatory Specialist



District I  
1625 N. French Drive, Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St Francis Dr. Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-107-B  
Revised August 1, 2011

**OIL CONSERVATION DIVISION**  
1220 S. St Francis Drive  
Santa Fe, New Mexico 87505

Submit the original  
application to the Santa Fe  
office with one copy to the  
appropriate District Office.

**APPLICATION FOR SURFACE COMMINGLING (DIVERSE OWNERSHIP)**

OPERATOR NAME: LOGOS Operating, LLC  
OPERATOR ADDRESS: 2010 Afton Place, Farmington, NM 87401  
APPLICATION TYPE:

☐ Pool Commingling ☒ Lease Commingling ☐ Pool and Lease Commingling ☐ Off-Lease Storage and Measurement (Only if not Surface Commingling)

LEASE TYPE: ☒ Fee ☐ State ☒ Federal

Is this an Amendment to existing Order? ☐ Yes ☒ No If "Yes", please include the appropriate Order No. \_\_\_\_\_  
Have the Bureau of Land Management (BLM) and State Land office (SLO) been notified in writing of the proposed commingling  
☒ Yes ☐ No

**(A) POOL COMMINGLING**  
Please attach sheets with the following information

(1) Pool Names and Codes	Gravities / BTU of Non-Commingled Production	Calculated Gravities / BTU of Commingled Production		Calculated Value of Commingled Production	Volumes

- (2) Are any wells producing at top allowables? ☐ Yes ☐ No  
(3) Has all interest owners been notified by certified mail of the proposed commingling? ☐ Yes ☐ No.  
(4) Measurement type: ☐ Metering ☐ Other (Specify) \_\_\_\_\_  
(5) Will commingling decrease the value of production? ☐ Yes ☐ No If "yes", describe why commingling should be approved \_\_\_\_\_

**(B) LEASE COMMINGLING**  
Please attach sheets with the following information

- (1) Pool Name and Code.  
(2) Is all production from same source of supply? ☒ Yes ☐ No  
(3) Has all interest owners been notified by certified mail of the proposed commingling? ☒ Yes ☐ No  
(4) Measurement type: ☒ Metering ☐ Other (Specify) \_\_\_\_\_

**(C) POOL and LEASE COMMINGLING**  
Please attach sheets with the following information

- (1) Complete Sections A and E.

**(D) OFF-LEASE STORAGE and MEASUREMENT**  
Please attached sheets with the following information

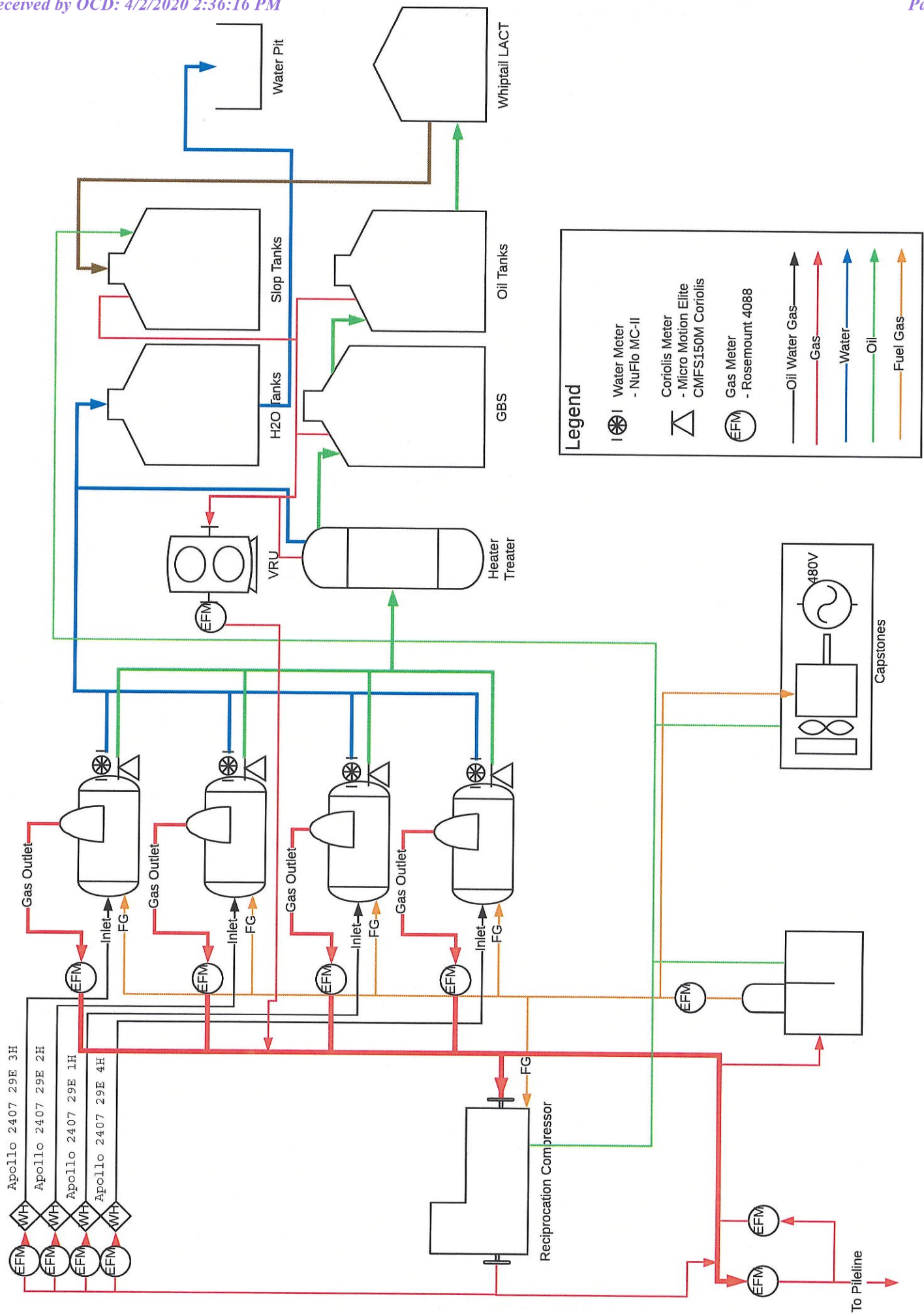
- (1) Is all production from same source of supply? ☒ Yes ☐ No  
(2) Include proof of notice to all interest owners.

**(E) ADDITIONAL INFORMATION (for all application types)**  
Please attach sheets with the following information

- (1) A schematic diagram of facility, including legal location.  
(2) A plat with lease boundaries showing all well and facility locations. Include lease numbers if Federal or State lands are involved.  
(3) Lease Names, Lease and Well Numbers, and API Numbers.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

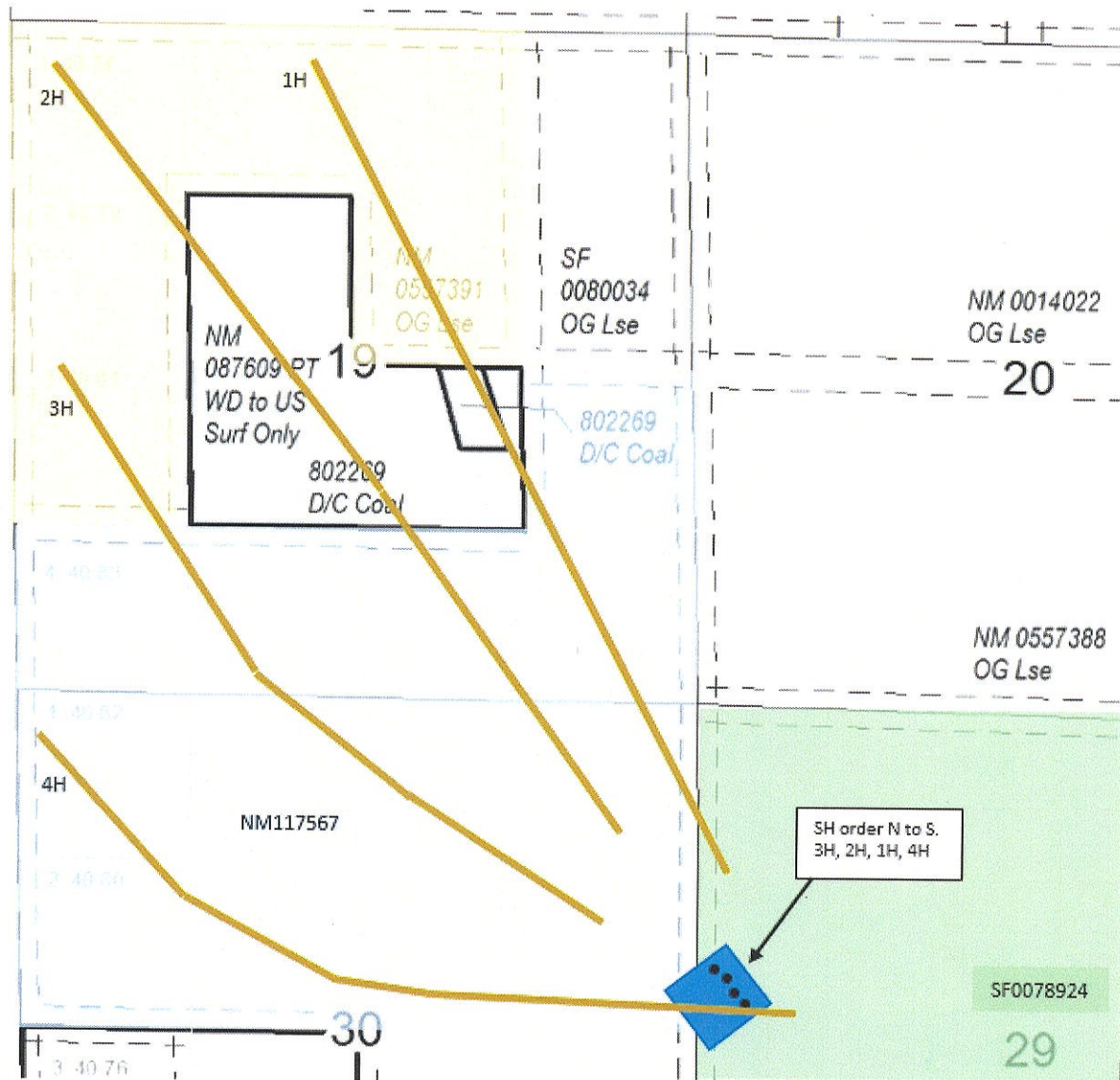
SIGNATURE: Tamra Sessions TITLE: Regulatory Specialist DATE: 3/4/2020  
TYPE OR PRINT NAME Tamra Sessions TELEPHONE NO.: 505-324-4145  
E-MAIL ADDRESS: tsessions@logosresourcesllc.com





# Township 24 North Range 7 West

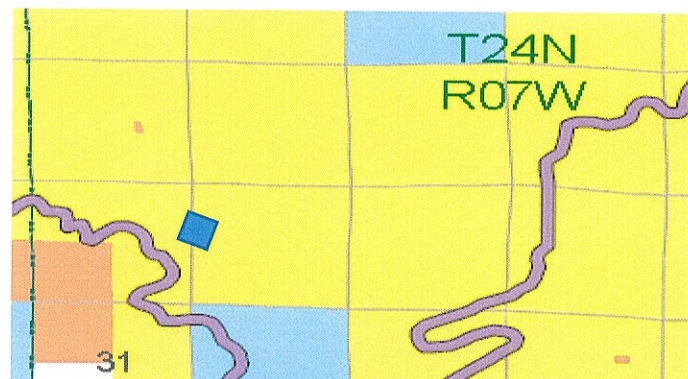
County: Rio Arriba - 039



LOGOS OPERATING, LLC  
 APOLLO 2407 29E PAD  
 Lease Plat Map  
 Rio Arriba County, NM

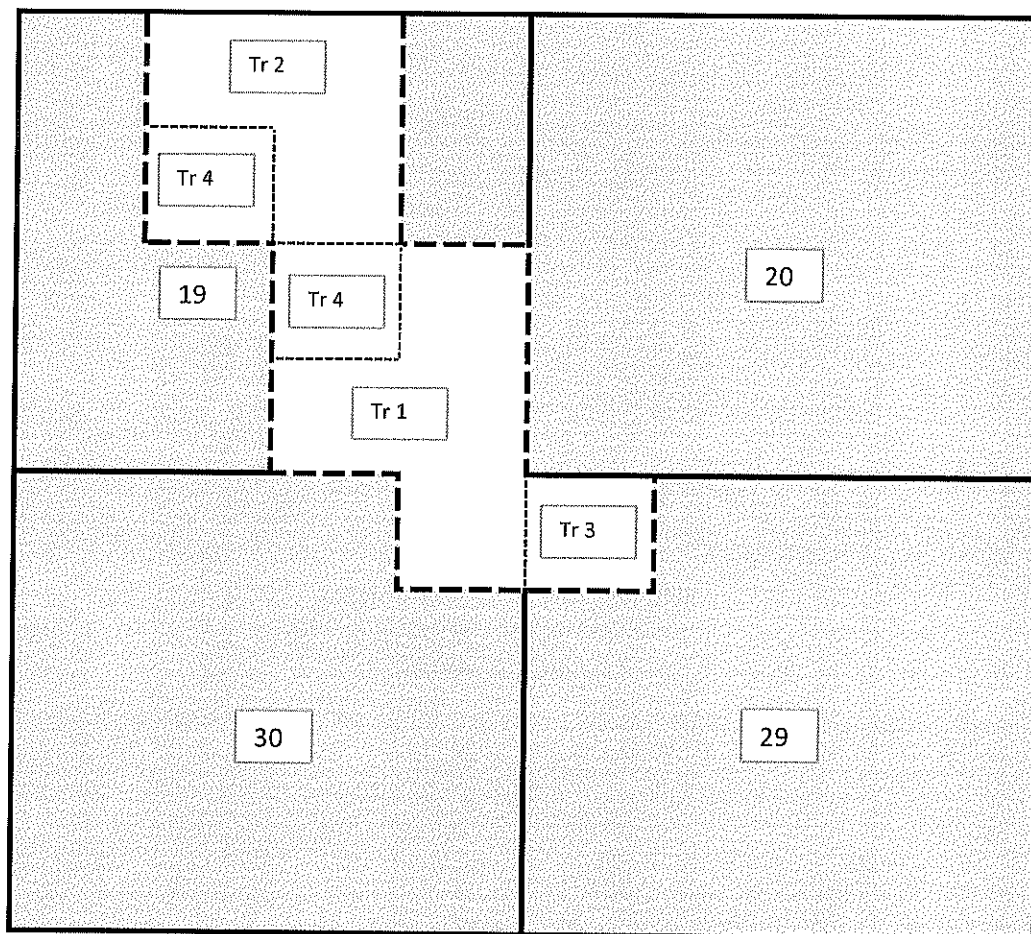
	Well Pad w/Common Facility
	Lateral
	FEE
	Lease NM0557391
	Lease NM117567
	Lease SF0078924
	Pending CAs see attachments

Common Facility is located on federal surface  
 UL E, Section 29, Township 24 N, Range 7 W



## Exhibit A

**Township 24 North, Range 7 West**  
**Sections 19, 29 and 30**  
**Communitied Area: Top of Mancos to base of Gallup underlying:**  
**Section 19: SE, W2NE, E2NW**  
**Section 29: NWNW**  
**Section 30: NENE**

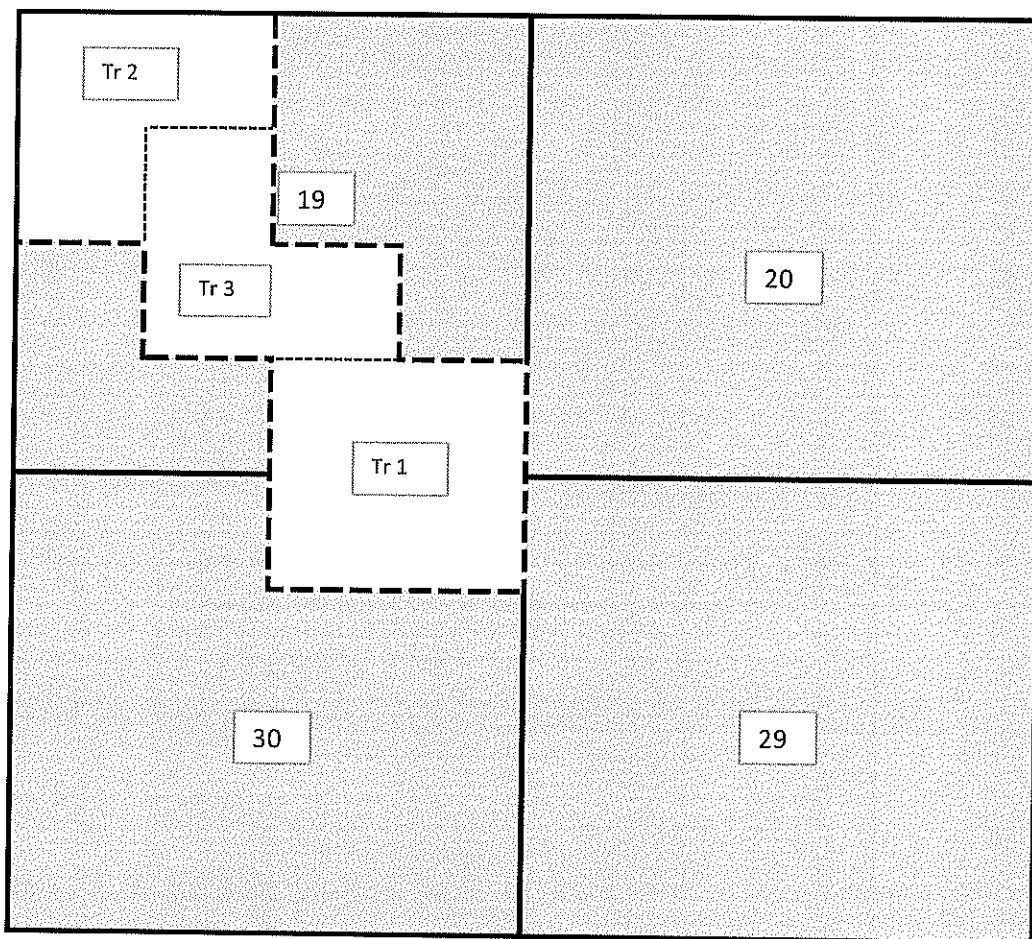


Tract 1:	NMNM 117567 24N-7W Sec 19: SWSE, E2SE & Sec 30: NENE
Tract 2:	NMNM 0557391 24N-7W Sec 19: NENW, W2NE
Tract 3:	NMSF0078924 24N-7W Sec 29: NWNW
Tract 4:	Fee 24N-7W Sec 19: SENW, NWSE



## Exhibit B

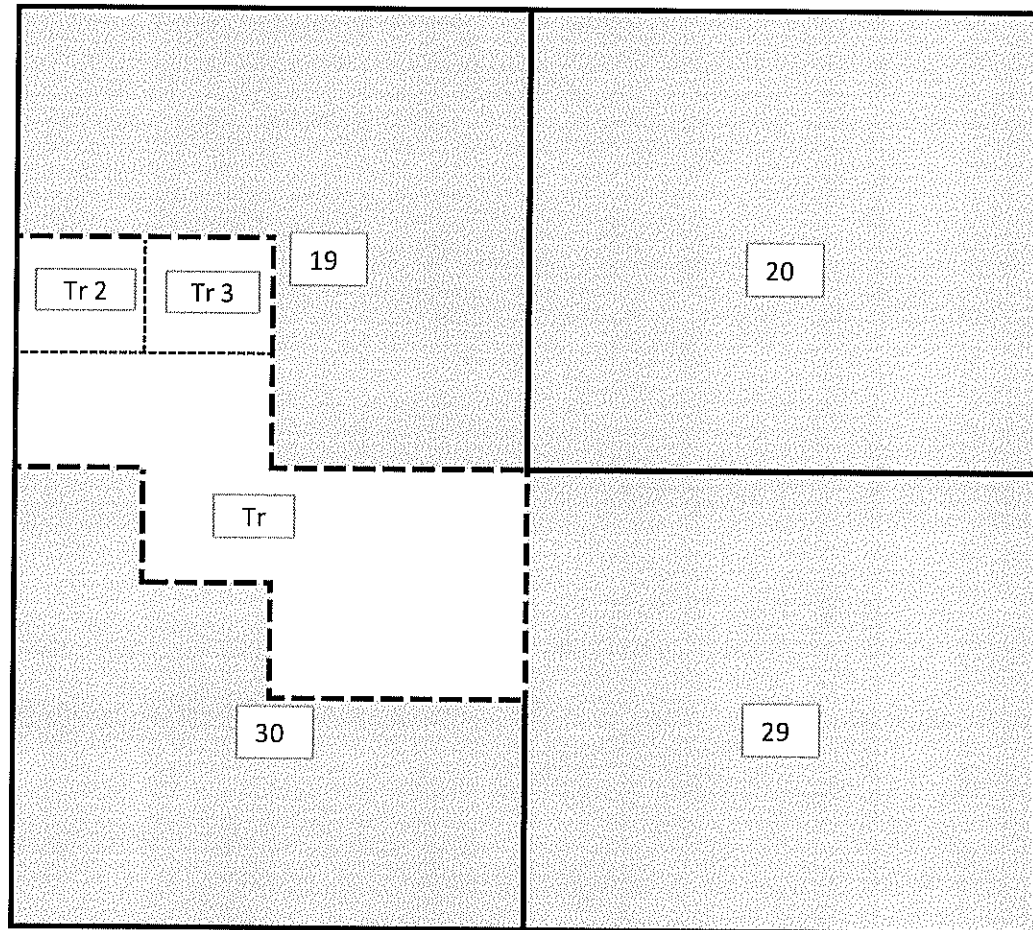
**Township 24 North, Range 7 West**  
**Sections 19 and 30**  
**Communitied Area: Top of Mancos to base of Gallup underlying:**  
**Section 19: Lots 1, 2, E2NW, NESW, W2SE, SESE**



Tract 1:	NMNM 117567 24N-7W Sec 19: S2SE & Sec 30: N2NE
Tract 2:	NMNM 0557391 24N-7W Sec 19: Lots 1, 2, NENW
Tract 3:	Fee 24N-7W Sec 19: SENW, NESW, NWSE

## Exhibit C

**Township 24 North, Range 7 West**  
**Sections 19 and 30**  
**Communitied Area: Top of Mancos to Base of Gallup underlying**  
**Section 19: Lots 3, 4, E2SW**  
**Section 30: NE, NENW**

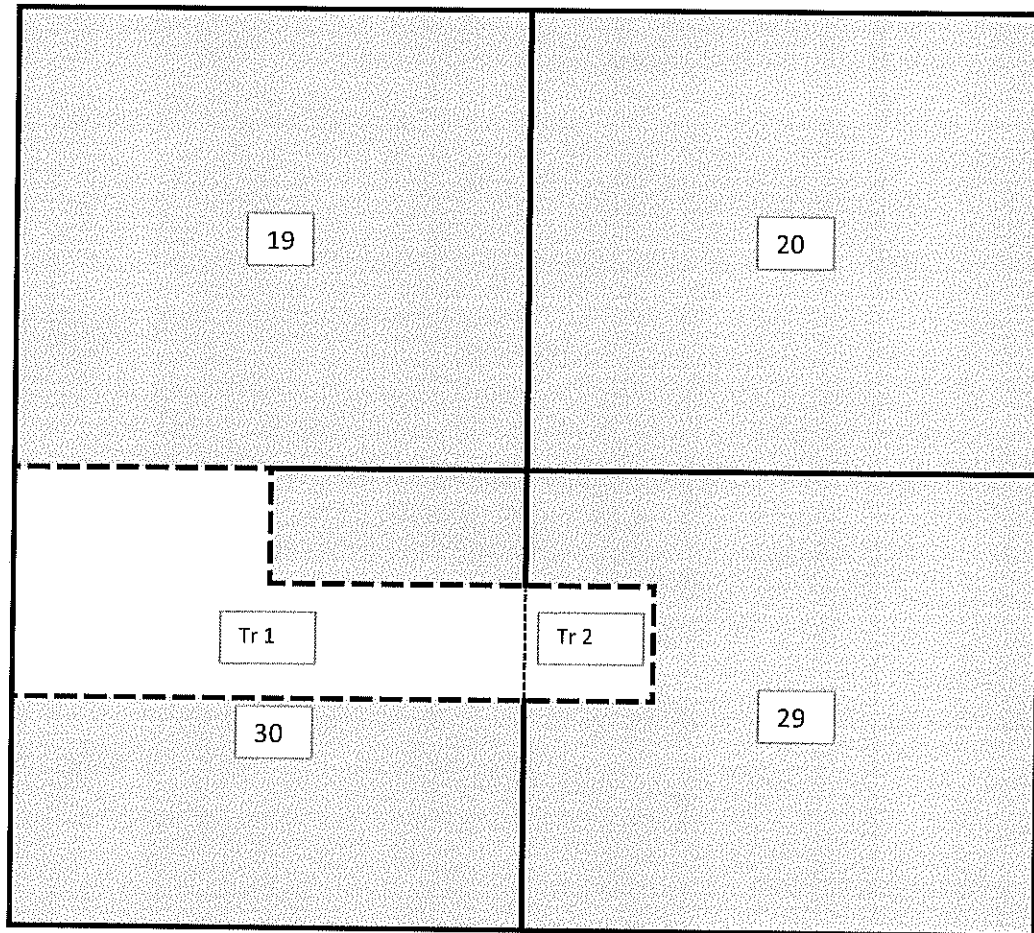


Tract 1:	NMNM 117567 24N-7W Sec 19: Lot 4, SESW & Sec 30: NE, NENW
Tract 2:	NMNM 0557391 24N-7W Sec 19: Lot 3
Tract 3:	Fee 24N-7W Sec 19: NESW



## Exhibit D

**Township 24 North, Range 7 West**  
**Sections 29 and 30**  
**Communitied Area: Top of Mancos to base of Gallup underlying:**  
**Section 29: SWNW**  
**Section 30: Lots 1, 2, E2NW, S2NE**



Tract 1:	NMNM 117567 24N-7W Sec 30: Lots 1, 2, E2NW, S2NE
Tract 2:	NMSF0078924 24N-7W Sec 29: SWNW



J. Scott Hall  
Senior Attorney  
LOGOS Resources II, LLC  
317 Paseo de Peralta  
P. O. Box 1946  
Santa Fe, NM 87504  
Office: 505.303.7236  
Mobile: 505.670.7362  
[shall@logosresourcesllc.com](mailto:shall@logosresourcesllc.com)

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March 18, 2020

**Certified Mail / Return Receipt Requested**

To: All Interest Owners or Operators listed on the  
attached page

**Re: LOGOS Operating, LLC**  
**Application for Administrative Approval, Surface Commingling (SCM), Off-Lease**  
**Storage and Off-Lease Measurement, Apollo 2407 29E Well Pad Facility**  
**SW/NW Section 29, Township 24 North, Range 7 West N.M.P.M.**  
**Rio Arriba County, New Mexico**  
**Escrito-Gallup Associated Pool (97232)**

**Apollo 2407 29E 1H (Leases SF0078924/NM117567/FEE/NM0557391)**  
**API No. 30-039-31379**  
**2175' FNL, 78' FWL**  
**E-29-T24N-R07W**

**Apollo 2407 29E 2H (Leases NM117567/FEE/NM0557391)**  
**API No. 30-039-pending**  
**2162' FNL, 64' FWL**  
**E-29-T24N-R07W**

**Apollo 2407 29E 3H (Leases NM117567/NM0557391)**  
**API No. 30-039- pending**  
**2149' FNL, 49' FWL**  
**E-29-T24N-R07W**

**Apollo 2407 29E 4H (Leases SF0078924/NM117567)**  
**API No. 30-039- pending**  
**2188' FNL, 93' FWL**  
**E-29-T24N-R07W**



March 18, 2020

Page 2

Dear Sir or Madam:

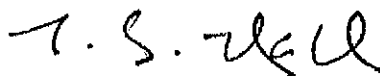
Pursuant to New Mexico Oil Conservation Division (NMOCD) Rules 19.15.12.10. C and 19.15.4.12 A (8), you are hereby notified that LOGOS Operating, LLC is applying to the NMOCD for administrative approval of Surface Lease Commingling (SCM), Off-Lease Storage and Off-Lease Measurement for its Apollo 2407 29E 1H, 2H, 3H and 4H wells at the locations indicated above. A copy of the application is enclosed. No action is required by you unless you object to our commingling proposal.

As the owner of an interest that may be affected, you have the right to object to the application. To do so, you must file a written protest with the NMOCD within twenty days from the date the NMOCD receives the application. Failure to do so will prevent you from challenging the matter at a later time. A letter of protest may be sent to the NMOCD at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505.

Should you consent to the application and the proposed commingling, you are requested to indicate your waiver of objection by signing where indicated below and then returning this letter to me at your earliest convenience.

Sincerely,

LOGOS Operating, LLC



J. Scott Hall  
Senior Attorney

CONSENT:

By: \_\_\_\_\_

**Apollo Pad 2407 29E Interest Owners**

T.H. McElvain Oil & Gas, LLLP - 7018-3090-0000-6458-2469  
511 16<sup>th</sup> Street, Suite 700  
Denver, CO 80202

Thomas C. and Ann Liddell - 7018-3090-0000-6458-6085  
c/o Jeff Bingaman, Co-Personal Rep.  
72 Arroyo Hondo Trail  
Santa Fe, NM 87508

Thornton Hardie - 7018-3090-0000-6458-6115  
PO Box 153  
El Paso, TX 79901

Allen R. Grambling - 7018-3090-0000-6458-6108  
PO Box 153  
El Paso, TX 79901

Ben Howell - 7018-3090-0000-6458-6092  
PO Box 153  
El Paso, TX 79901

William B. Hardie - 7018-3090-0000-6458-6122  
211 N. Kansas, Suite 1100  
El Paso, TX 79901

Louann Hoover Feuille - 7018-3090-0000-6458-6139  
1049 Los Jardines  
El Paso, TX 79912

John A. Grambling and Emily A. Grambling - 7018-3090-0000-6458-6146  
c/o Ronald R. Grambling  
17430 Cambell Rd., Suite 111  
Dallas, TX 75252

Randolph H. Grambling - 7018-3090-0000-6458-6153  
916 Cherry Hill Ln.  
El Paso, TX 79912-3327



Patti Jo Peck Wakefield - 7018-3090-0000-6458-6160  
PO Box 1099  
Rising Star, TX 76471

Nancy Sealy Thompson - 7018-3090-0000-6458-6177  
300 Virginia Place  
Fort Worth, TX 76107

Teresa Home-Burtis - 7018-3090-0000-6458-6184  
Trustee of the Home-Burtis Trust  
PO Box 59  
Santa Ynez, CA 93460

Jack B. Wilkinson, Jr. - 7018-3090-0000-6458-6191  
PO Box 53287  
Midland, TX 79710-3287

Estate of James D. Sadler - 7018-3090-0000-6458-6207  
c/o Bank of America  
901 Main Street  
Dallas, TX 75202

Estate of William Harvey Sloan - 7018-3090-0000-6458-6214  
3525 Turtle Creek  
Dallas, TX 75219

Alberta Sloan - 7018-3090-0000-6458-6221  
3525 Turtle Creek  
Dallas, TX 75219

Anna Lou Home - 7018-3090-0000-6458-6238  
207 Orange Drive  
Los Angeles, CA 90036

Barron U. Kidd - 7018-3090-0000-6458-6245  
3838 Oak Lawn Avenue, Suite 725  
Dallas, TX 75219

Estate of Helen Fasken House - 7018-3090-0000-6458-6252  
c/o Wells Fargo Bank  
PO Box 1959  
Midland, TX 79702

Maralo, Inc. - 7018-3090-0000-6458-6269  
PO Box 832  
Midland, TX 79702

Wells Fargo Bank - 7018-3090-0000-6458-6276  
Successor Trustee, Fasken Residuary Marital Trust  
500 W. Texas Avenue  
Midland, TX 79701

JP Morgan Chase Bank - 7018-3090-0000-6458-6283  
fbo Hal C. Peck and Josie Peck  
500 West Wall St.  
Midland, TX 79701

C.S. Longcope - 7018-3090-0000-6458-6290  
7175 Joyce Way  
Dallas, TX 75225

Evelyn S. Graham - 7018-3090-0000-6458-6306  
PO Box 291245  
Kerrville, TX 78029

J. Ray Stewart - 7018-3090-0000-6458-6313  
PO Box 98  
Ruidoso, NM 88355

Cathy Mortensen - 7018-3090-0000-6458-9710  
216 Rainbow Drive #11640  
Livingston, TX 77399-2016

Trace Penton - 7018-3090-0000-6458-2476  
506-A Adams  
Bryan, TX 77801



Megan Rotter - 7018-3090-0000-6458-9734  
PO Box 387  
Post, TX 78147

Jessica M. Stewart - 7018-3090-0000-6458-9741  
20403 Coleridge  
Richmond, TX 77469

Black Gold Energy, LLC. - 7018-3090-0000-6458-2438  
PO Box 2901  
Monroe, LA 71207

Ilios Exploration, Inc. - 7018-3090-0000-6458-9765  
9467 Ellerbee Road  
Shreveport, LA 71106

Kathleen Graham - 7018-3090-0000-6458-2421  
Agent for Robert Harvison Graham  
PO Box 596  
Smithville, TX 78957

Southern Royalties, LLC. - 7018-3090-0000-6458-9758  
PO Box 2901  
Monroe, LA 71207

Frank Stubbeman - 7018-3090-0000-6458-2445  
PO Box 1540  
Midland, TX 79702

Benjamin F. Black - 7018-3090-0000-6458-2452  
PO Box 226  
Midland, TX 79701

Maralo, INC. – 7018-3090-0000-6458-2483  
c/o Maralo LLC  
1717 W. 6<sup>th</sup> Street, Suite 470  
Austin, TX 78703