

NSL-809-A

July 1, 1998

Rec: 6-12-98  
Susp: 7-2-98  
Released 7/1/98

ARCO Permian  
P. O. Box 1610  
Midland, Texas 79702-1610

Attention: Elizabeth A. Casbeer

*Administrative Order NSL-809-A*

Dear Ms. Casbeer:

Reference is made to your application dated June 3, 1998 for an unorthodox oil well location in the Artesia-Queen-Grayburg-San Andres Pool for ARCO Permian's existing Washington "33" State Well No. 28 (API No. 30-015-22124), located 313 feet from the South line and 2490 feet from the East line (Unit O) of Section 33, Township 17 South, Range 28 East, NMPM, Eddy County, New Mexico. The SW/4 SE/4 of ~~said~~ Section 33 is to be dedicated to ~~said~~ well in order to form a standard 40-acre oil spacing and proration unit in oil producing formations. ~~the~~

Division records indicate that ~~said~~ <sup>the</sup> well was drilled in 1977 as the Empire Abo Unit "H" Well No. 311 to a total depth of 6,362 feet and was completed within the Empire-Abo Pool at an unorthodox oil well location approved by Division Administrative Order NSL-809, dated November 12, 1976.

It is our understanding that the Abo interval will be properly plugged back at this time and the shallower Artesia-Queen-Grayburg-San Andres Pool up-hole will be tested.

The application has been duly filed under the provisions of Rule 104.F of the General Rules and Regulations of the New Mexico Oil Conservation Division and Division Administrative Order NSL-4060, dated June 19, 1998.

By the authority granted me under the provisions of Division General Rule 104.F(2), the above-described unorthodox oil well location is hereby approved.

That portion of ~~said~~ original Division Administrative Order NSL-809 approving the unorthodox Empire-Abo oil well location for the Empire Abo Unit "H" Well No. 311 shall be placed in abeyance until further notice.

Sincerely,

Lori Wrotenbery  
Director

LW/MES/kv

cc: New Mexico Oil Conservation Division - Artesia  
New Mexico State Land Office - Santa Fe  
File: NSL-809  
NSL-4060  
Dave Percy, ARCO Permian - Midland, Texas

7-2



NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

**OIL CONSERVATION DIVISION**

**ENGINEERING BUREAU MEMORANDUM**

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**TO:** Tim Gum, Supervisor - OCD District II  
Mae Morgan - OCD, Artesia  
Dave Pearcy - ARCO Permian, Midland, Texas

**FROM:** Michael E. Stogner, Chief Hearing Examiner/Engineer

**SUBJECT:** Division Administrative Order NSL-4060

**DATE:** July 1, 1998

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Please note that any future unorthodox oil well locations to the Artesia-Queen-Grayburg-San Andres Pool within ARCO's Washington "33" State lease comprising the NE/4, NE/4 NW/4, S/2 NW/4, and S/2 of Section 33, Township 17 South, Range 28 East, NMPM, Eddy County, New Mexico are to be administered in the same manner as wells within waterflood projects.

Call me at (505) 827-8185 if there are any questions.

cc: File: NSL-4060

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**NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT**

**OIL CONSERVATION DIVISION  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131**

June 19, 1998

**ARCO Permian  
P. O. Box 1610  
Midland, Texas 79702-1610  
Attention: Elizabeth A. Casbeer**

*Administrative Order NSL-4060*

Dear Ms. Casbeer:

Reference is made to: (i) your applications dated April 29, May 12, May 20, June 3, and June 16, 1998 for several unorthodox oil well locations in the Artesia-Queen-Grayburg-San Andres Pool within ARCO Permian's ("ARCO") Washington "33" State Lease in Section 33, Township 17 South, Range 28 East, NMPM, Eddy County, New Mexico; (ii) the records of the Division in Santa Fe including the files on Division Administrative Orders NSL-915-A, NSL-915-B, NSL-4003, NSL-4007, NSL-4035, and NSL-4036; and (iii) a telephone conversation between David Percy with ARCO in Midland and Mr. Michael E. Stogner, Engineer with the New Mexico Oil Conservation Division ("Division") on Monday, June 18, 1998.

**The Division Director Finds That:**

- (1) ARCO is the owner and operator of the Washington "33" State Lease, which comprises the following described 600 acres, more or less, that comprise a portion of New Mexico State Land Office Lease No. X-00647:

**TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM**  
Section 33: NE/4, NE/4 NW/4, S/2 NW/4, and S/2;

- (2) The Artesia-Queen-Grayburg-San Andres Pool underlying this area is subject to the statewide rules for oil wells, as set forth in Division Rule 104.C(1), which provides for 40-acre oil spacing and proration units, or drilling units, and requires that wells be located no closer than 330 feet to the outer boundary of such a unit;
- (3) All mineral interests are common throughout this lease;
- (4) The application has been duly filed under the provisions of Division Rule 104.F;
- (5) Approval of the above referenced applications is in the best interest of conservation, will serve to prevent waste, protects correlative rights, exhibits sound engineering principles, and will allow ARCO to develop the Artesia-Queen-Grayburg-San Andres Pool with infill wells in order to recover additional reserves that might not otherwise be produced; and
- (6) A procedure that allows ARCO to include additional Artesia-Queen-Grayburg-San Andres oil wells as needed within its Washington "33" State at locations that are unorthodox under Division Rule 104.C(1)(a) without further administrative review by the Director should be

adopted, provided that any such unorthodox location within the Washington "33" State Lease is no closer than the required minimum orthodox distance (330 feet) to the outer boundary of the lease nor closer than 10 feet to any quarter-quarter section line or subdivision inner boundary.

**It Is Therefore Ordered That:**

(1) By the authority granted me under the provisions of Division Rule 104.F(2), ARCO Permian ("ARCO") is hereby authorized to recompleate five existing wells and drill two additional wells at unorthodox oil well locations in the Artesia-Queen-Grayburg-San Andres Pool within its Washington "33" State Lease in Section 33, Township 17 South, Range 28 East, NMPM, Eddy County, New Mexico, as follows:

<i>Well Name and No.</i>	<i>API Number</i>	<i>Footage Location</i>	<i>Unit</i>	<i>Dedicated 40-Acre Tract</i>
<i>Washington "33" State Well No. 16 (formerly the Empire Abo Unit "G" Well No. 323)</i>	<i>30-015-22415</i>	<i>1500' FSL - 700' FEL</i>	<i>I</i>	<i>NE/4 SE/4</i>
<i>Washington "33" State Well No. 17 (formerly the Empire Abo Unit "G" Well No. 315)</i>	<i>30-015-22821</i>	<i>1900' FSL &amp; 1450' FEL</i>	<i>J</i>	<i>NW/4 SE/4</i>
<i>Washington "33" State Well No. 18 (formerly the Empire Abo Unit "G" Well No. 312)</i>	<i>30-015-21745</i>	<i>1550' FSL &amp; 2511' FEL</i>	<i>J</i>	<i>NW/4 SE/4</i>
<i>Washington "33" State Well No. 19 (new drill)</i>	<i>NA</i>	<i>2360' FSL - 2165' FWL</i>	<i>K</i>	<i>NE/4 SW/4</i>
<i>Washington "33" State Well No. 23 (new drill)</i>	<i>NA</i>	<i>975' FSL - 1060' FWL</i>	<i>M</i>	<i>SW/4 SW/4</i>
<i>Washington "33" State Well No. 27 (formerly the Empire Abo Unit "H" Well No. 312)</i>	<i>30-015-22605</i>	<i>815 FSL &amp; 2525' FEL</i>	<i>O</i>	<i>SW/4 SE/4</i>
<i>Washington "33" State Well No. 30 (formerly the Empire Abo Unit "H" Well No. 322)</i>	<i>30-015-22465</i>	<i>750' FSL &amp; 1150' FEL</i>	<i>P</i>	<i>SE/4 SE/4</i>

**It Is Further Ordered That:**

(2) Within the following described 600 acres, known as the Washington "33" State Lease, ARCO is hereby authorized to locate wells within the Artesia-Queen-Grayburg-San Andres Pool that are

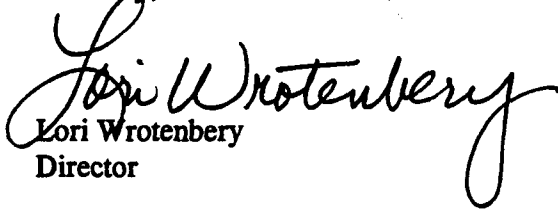
unorthodox based on the well location requirements of Division Rule 104.C(1)(a), provided that any such unorthodox location is no closer than the required minimum orthodox distance (330 feet) to the outer boundary of the Washington "33" Lease nor closer than 10 feet to any quarter-quarter section line or subdivision inner boundary:

**TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM**  
**Section 33: NE/4, NE/4 NW/4, S/2 NW/4, and S/2;**

(3) Any unorthodox location authorized by Ordering Paragraph (2) shall require the submission of a Division Form C-102, in accordance with Division Rules 1101 and 1102, and the approval of the Supervisor of the Division's District Office in Artesia. The Form C-102 for any such well shall include the following additional information: (i) the boundary of the Washington "33" State Lease must be outlined; (ii) the designated 40 acres to be dedicated to the well must be highlighted or outlined; (iii) all other wells within the Artesia-Queen-Grayburg-San Andres Pool that are dedicated to this 40-acre tract must be identified and described; and, (iv) this administrative order (NSL-4060) must be referenced.

(4) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

Sincerely,

  
Lori Wrotenberg  
Director

LW/MES/kv

cc: New Mexico Oil Conservation Division - Artesia  
New Mexico State Land Office - Santa Fe  
Dave Percy, ARCO - Midland, Texas  
William F. Carr, Legal Counsel for ARCO - Santa Fe

6/12/98 | 7/2/98 | MS | NW | NSL

ABOVE THIS LINE FOR DIVISION USE ONLY

## NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

### ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

#### Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]  
[DD-Directional Drilling] [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]

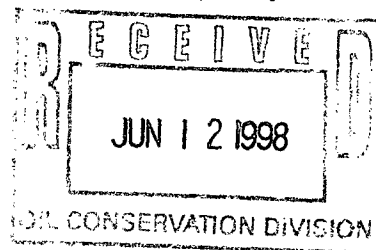
#### [1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Directional Drilling  
☒ NSL ☐ NSP ☐ DD ☐ SD

Check One Only for [B] or [C]

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

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



#### [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] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I further verify that all applicable API Numbers are included. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

ELIZABETH A. CASBEE  
Print or Type Name

Signature

REG/COMP ANALYST  
Title

6/3/98  
Date



**ARCO Permian**  
600 North Marienfeld  
Midland TX 79701-4373  
Post Office Box 1610  
Midland TX 79702-1610  
Telephone 915 688 5570

**Elizabeth A. Casbeer**  
Regulatory/Compliance Analyst

June 3, 1998

Oil Conservation Division  
2040 South Pacheco  
Santa Fe, New Mexico 87505

Gentlemen:

Under the provisions of NMOCD Rule 104.F(d), ARCO Permian requests administrative approval for unorthodox location for its Washington "33" State #28, a recompletion of a previously drilled well in the Empire Abo Unit, to the Artesia (Queen-Grayburg-San Andres) Field. The location for this well, formerly known as the EAU #H-311 is 313'FSL and 2490'FEL of Section 33, T17S, R28E, Eddy County, New Mexico. This well was drilled at an approved unorthodox location for the original horizon.

As required, we are submitting a plat showing the subject 40-acre spacing unit with the unorthodox location, a map identifying the adjoining and diagonal encroached-upon leases and wells, and a list of affected parties.

Should you have any questions, please do not hesitate to call me at 915-688-5570 or Dave Percy at 915-688-5355. Thank you for your assistance in this matter.

Sincerely,

Elizabeth A. Casbeer  
Regulatory/Compliance Analyst

EAC:lc

cc: NMOCD, Artesia, New Mexico

Enclosures

**OFFSET OPERATORS  
WASHINGTON "33" STATE #28**

**Mack Chase, Trustee  
P. O. Box 1767  
Artesia, New Mexico 88211**

**Altura Energy Ltd.  
P. O. Box 4294  
Houston, Texas 77210**

**Bulldog Energy Corp.  
P. O. Box 668  
Artesia, New Mexico 88210**

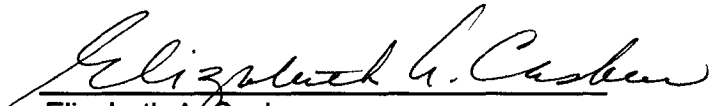


STATE OF TEXAS

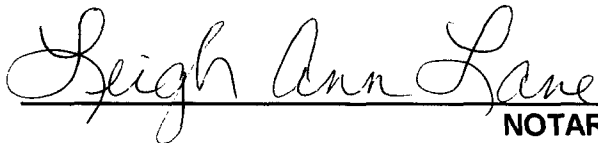
COUNTY OF MIDLAND

BEFORE ME, the undersigned authority on this day personally appeared Elizabeth A. Casbeer, a Regulatory Compliance Analyst with ARCO Permian, who being by me duly sworn, deposes and states that the persons listed on the foregoing attached list has been sent a copy on June 3, 1998, Oil Conservation Division Form C-101 (and supporting documentation) entitled, "Application For Permit to Drill or Deepen" for the Washington "33" State #28.

ARCO Permian

  
Elizabeth A. Casbeer

SUBSCRIBED AND SWORN TO before me on June 3, 1998, to certify which witness my hand and seal of office.



NOTARY PUBLIC, STATE OF TEXAS



LEIGH ANN LANE

Notary Public, State of Texas

My Commission Expires: 12-12-2000

**Geologic and Engineering Discussion for Washington 33 State #28  
Unit O of Section 33, T17S, R28E, Eddy County, New Mexico**

ARCO Permian requests administrative approval for unorthodox location for Washington 33 State #27 and #28 in the Artesia (Q-G-SA) Field, both as recompletions of wells drilled to a deeper horizon. Both wellbores are required for geologic reasons, and will be simultaneously dedicated to Unit Letter O of Section 33.

ARCO will require 2 strategically spaced wellspots in each 40-acre tract to recover reserves in the Artesia pool. Wherever possible, our well pattern dictates a wellbore in the NE quadrant and SW quadrant of each 40 acres. Recompletion of these Empire (Abo) wellbores, which are 503 ft. apart, will prevent wasteful drilling expense and provide satisfactory results, even though #27 is "off-pattern" ..

At a future date, we anticipate a waterflood could be initiated to effectively sweep both dolomite and sand reservoirs. Optimum results can only be achieved with good spacing of the primary wells. Core results show the Queen-Grayburg-San Andres "sand" pays should yield 130 MBO per 40 acres, but the modest 35 MBO recovered from "sand" wells on and surrounding our lease indicates that 10-20 acre drainage for these pays is reasonable.

We have therefore determined that two wells per 40 acres will effectively drain this reservoir and protect correlative rights. Where inexpensive recompletions are available, 500 ft. between wells will avoid wasteful drilling. With current technology, the drainage radius for these San Andres wells is probably 10 acres, so we do not expect to be affecting any offset owner's correlative rights with these unorthodox locations.

OIL CONSERVATION DIVISION  
2040 South Pacheco  
Santa Fe, NM 87505

Instructions on back  
Submit to Appropriate District Office  
State Lease - 6 Copies  
Fee Lease - 5 Copies

District I  
PO Box 1980, Hobbs, NM 88241-1980  
District II  
811 S. 1st Street, Artesia, NM 88210-2834  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

<sup>1</sup> Operator name and Address ARCO PERMIAN P.O.BOX 1610 MIDLAND, TX 79702		<sup>2</sup> OGRID Number 000990
		<sup>3</sup> API Number 30-0 15-22124
<sup>4</sup> Property Code 22954	<sup>5</sup> Property Name WASHINGTON "33" STATE	<sup>6</sup> Well No. 28

<sup>7</sup> Surface Location									
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
0	33	17S	28E		313	SOUTH	2490	EAST	EDDY

<sup>8</sup> Proposed Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County

<sup>9</sup> Proposed Pool 1 ARTESIA (Q-G-SA)	<sup>10</sup> Proposed Pool 2
--	-------------------------------

<sup>11</sup> Work Type Code R	<sup>12</sup> Well Type Code 0	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code S	<sup>15</sup> Ground Level Elevation 3661
<sup>16</sup> Multiple NO	<sup>17</sup> Proposed Depth 3200	<sup>18</sup> Formation SAN ANDRES	<sup>19</sup> Contractor	<sup>20</sup> Spud Date 8/98

<sup>21</sup> Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
11	8-5/8	24#	550'	275	SURF.
7-7/8	5-1/2	14	6362'	1400	SURF.

<sup>22</sup> Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary

ORIGINALLY DRILLED AND COMPLETED AS THE EMPIRE ABO UNIT H-311 IN 1977. TD @6362'. TESTED ABO 6044'-6234'. TA'D W/CIBP @ 5880' ON 7-19-89. PROPOSED TO DUMP 35' CEMENT ON CIBP @5880'. RUN CNL-CCL GAMMA RAY AND PERF SAN ANDRES AS INDICATED ON LOG. TEST AND FRAC AS NEEDED.

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: *Elizabeth A. Casbeer*

Printed name: ELIZABETH A. CASBEER

Title: REG./COMP. ANALYST

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88211-0719DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410DISTRICT IV  
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

## OIL CONSERVATION DIVISION

P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

□ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-22124	Pool Code	Pool Name ARTESIA (Q-CB-SA)
Property Code 22954	Property Name WASHINGTON 33 STATE	Well Number 28
OGRID No. 000990	Operator Name ARCO PERMIAN	Elevation 3661'

## Surface Location

UL or lot No. 0	Section 33	Township 17 S	Range 28 E	Lot Idn	Feet from the 313	North/South line SOUTH	Feet from the 2490	East/West line EAST	County EDDY
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## Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<div>05</div> <div>06</div> <div>07</div> <div>08</div> <div>09</div> <div>10</div> <div>11</div> <div>12</div> <div>13</div> <div>14</div> <div>15</div> <div>16</div> <div>17</div> <div>18</div> <div>19</div> <div>20</div> <div>21</div> <div>22</div> <div>23</div> <div>24</div> <div>25</div> <div>26</div> <div>27</div> <div>28</div>				<div>OPERATOR CERTIFICATION</div> <p>I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.</p> <div>Elizabeth A. Casbeer</div> <div>Signature</div> <div>ELIZABETH A. CASBEER</div> <div>Printed Name</div> <div>REC/COMP. ANALYST</div> <div>Title</div> <div>6/3/98</div> <div>Date</div>	
<div>SURVEYOR CERTIFICATION</div> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <div>MARCH 3, 1998</div> <div>Date Surveyed</div> <div>DMCC</div> <div>Signature of Professional Surveyor</div> <div>Professional Seal of RONALD J. EDSON</div> <div>NEW MEXICO</div> <div>3239</div> <div>5-4-98</div> <div>38-11-038</div> <div>Certificate No.</div> <div>RONALD J. EDSON</div> <div>3239</div> <div>GARY EDSON</div> <div>12641</div> <div>RONALD J. McDONALD</div> <div>12185</div>					



**ARCO Permian**  
600 North Marienfeld  
Midland TX 79701-4373  
Post Office Box 1610  
Midland TX 79702-1610  
Telephone 915 688 5570

**Elizabeth A. Casbeer**  
Regulatory/Compliance Analyst

June 3, 1998

**CERTIFIED RETURN RECEIPT MAIL**

Altura Energy  
P. O. Box 4294  
Houston, Texas 77210

Ladies and Gentlemen:

This letter will serve as notice that ARCO Permian has requested administrative approval from the NMOCD for an unorthodox location for Washington "33" State #28 under Rule 104.F. (3), due to geological conditions. It is a recompletion of a previously drilled well in the Empire Abo Unit, to the Artesia (Queen-Grayburg-San Andres) Field. The location for this well, formerly known as the EAU #H-311 is 313'FSL and 2490'FEL of Section 33, T17S, R28E, Eddy County, New Mexico.

Should your company have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may approve the unorthodox location if no objection to the unorthodox location has been made within 20 days after the application has been received.

Sincerely,

Elizabeth A. Casbeer  
Regulatory/Compliance Analyst

EAC:lc

Enclosures



**ARCO Permian**  
600 North Marienfeld  
Midland TX 79701-4373  
Post Office Box 1610  
Midland TX 79702-1610  
Telephone 915 688 5570

**Elizabeth A. Casbeer**  
Regulatory/Compliance Analyst

June 3, 1998

**CERTIFIED RETURN RECEIPT MAIL**

Bulldog Energy Corp.  
P. O. Box 668  
Artesia, New Mexico 88210

Ladies and Gentlemen:

This letter will serve as notice that ARCO Permian has requested administrative approval from the NMOCDD for an unorthodox location for Washington "33" State #28 under Rule 104.F. (3), due to geological conditions. It is a recompletion of a previously drilled well in the Empire Abo Unit, to the Artesia (Queen-Grayburg-San Andres) Field. The location for this well, formerly known as the EAU #H-311 is 313'FSL and 2490'FEL of Section 33, T17S, R28E, Eddy County, New Mexico.

Should your company have any objection, it must be filed in writing within twenty (20) days from the date of this notice. The Division Director may approve the unorthodox location if no objection to the unorthodox location has been made within 20 days after the application has been received.

Sincerely,

Elizabeth A. Casbeer  
Regulatory/Compliance Analyst

EAC:lc

Enclosures



**ARCO Permian**  
600 North Mariefeld  
Midland TX 79701-4373  
Post Office Box 1610  
Midland TX 79702-1610  
Telephone 915 688 5570

**Elizabeth A. Casbeer**  
Regulatory/Compliance Analyst

June 3, 1998

**CERTIFIED RETURN RECEIPT MAIL**

Mack Chase, Trustee  
P. O. Box 1767  
Artesia, New Mexico 88211

Ladies and Gentlemen:

This letter will serve as notice that ARCO Permian has requested administrative approval from the NMOCD for an unorthodox location for Washington "33" State #28 under Rule 104.F. (3), due to geological conditions. It is a recompletion of a previously drilled well in the Empire Abo Unit, to the Artesia (Queen-Grayburg-San Andres) Field. The location for this well, formerly known as the EAU #H-311 is 313'FSL and 2490'FEL of Section 33, T17S, R28E, Eddy County, New Mexico.

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Sincerely,

Elizabeth A. Casbeer  
Regulatory/Compliance Analyst

EAC:lc

Enclosures





# Section 33 (below)

T17S R28E

27

29  
KERSEY  
CO.

Mark Finner  
MACK CHASE

Mark Finner  
CONOCO  
FINA

Duffy?  
Arco, et al

MARBOB  
Penroe  
(1-658 n. 10')

MARBOB TO 3500'  
ALTURA

KERSEY  
E

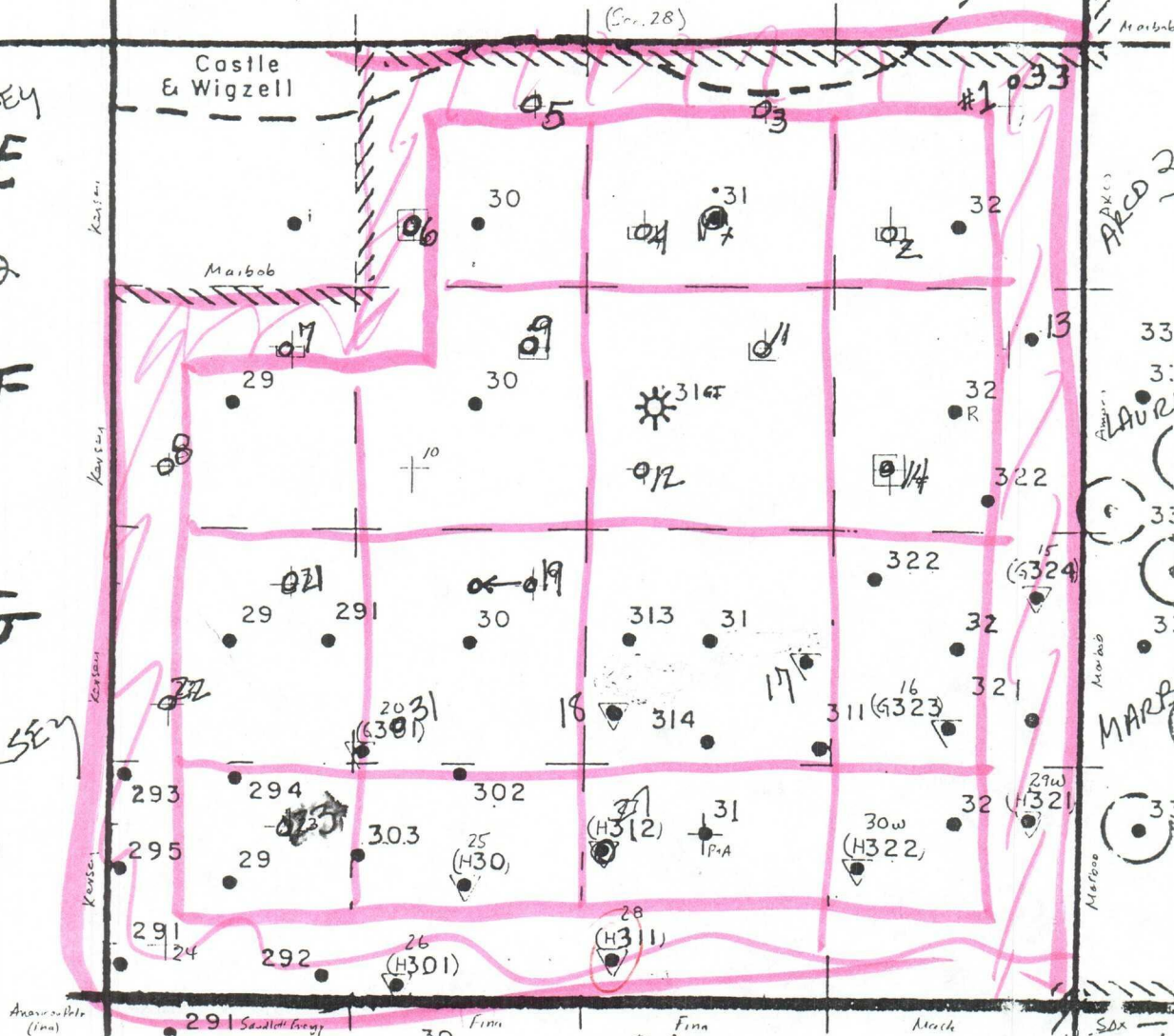
32

F

G

KERSEY

H



0 330' 660'

1" = 1000'  
660

- ▽ San Andres recomplete coordinates
- + San Andres locations
- Primary Yaso locations
- R Recomplete alternative in Yaso
- Possible/contingent Yaso 7D

2/19/78

NSL

-330'

10' (1/2, 1/4)

# OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

November 12, 1976

Atlantic Richfield Company  
P. O. Box 1610  
Midland, Texas 79701

Attention: Mr. J. L. Tweed

Administrative Order NSL-309

Gentlemen:

Reference is made to your application for approval of the following non-standard locations in the Empire Abo Pool, Eddy County, New Mexico:

<u>Well Name and Number</u>	<u>Location</u>
Empire Abo Unit Wells	
Nos.	
E-372	100' FNL & 1291' FNL of Sec. 35, T-17-S, R-28-E
E-401	90' FNL & 1296' FEL of Sec. 35, T-17-S, R-28-E
F-372	2490' FNL & 1100' FNL of Sec. 35, T-17-S, R-28-E
F-381	1900' FNL & 2260' FNL of Sec. 35, T-17-S, R-28-E
G-351	1850' FSL & 1650' FEL of Sec. 34, T-17-S, R-28-E
H-272	2481' FEL & 330' FSL of Sec. 32, T-17-S, R-28-E
H-292	1225' FNL & 180' FSL of Sec. 33, T-17-S, R-28-E
H-293	1249' FSL & 50' FNL of Sec. 33, T-17-S, R-28-E
(H-311)	2490' FEL & 313' FSL of Sec. 33, T-17-S, R-28-E
I-281	450' FEL & 700' FNL of Sec. 5, T-18-S, R-27-E
J-222	1350' FNL & 1572' FNL of Sec. 6, T-18-S, R-27-E
K-141	1370' FSL & 2445' FNL of Sec. 2, T-18-S, R-27-E
K-183	2370' FSL & 1510' FNL of Sec. 1, T-18-S, R-27-E
L-112	1186' FSL & 1372' FEL of Sec. 3, T-18-S, R-27-E
L-121	1186' FSL & 200' FEL of Sec. 3, T-18-S, R-27-E
L-153	90' FSL & 1456' FEL of Sec. 2, T-18-S, R-27-E
M-91	1300' FNL & 1220' FNL of Sec. 10, T-18-S, R-27-E
M-101	1100' FNL & 2170' FNL of Sec. 10, T-18-S, R-27-E
M-122	990' FNL & 1300' FEL of Sec. 10, T-18-S, R-27-E
N-91	2390' FNL & 940' FNL of Sec. 10, T-18-S, R-27-E



OIL CONSERVATION COMMISSION

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

November 12, 1976

Atlantic Richfield Company

-2-

Administrative Order NSL-809

By authority granted me under the provisions of Rule 14 of Order  
No. R-4549-B, the above-described unorthodox locations are hereby approved.

Very truly yours,

JOE D. RAMEY,  
Secretary-Director

JDR/JEK/dr

cc: 011 Conservation Commission - Artesia  
011 & Gas Engineering Committee - Hobbs

C  
O  
P  
Y