

Submit 3 Copies To Appropriate District Office  
District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
May 27, 2004

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

WELL API NO. 30-005-63852
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Personally 1525-33
8. Well Number 1
9. OGRID Number 230387
10. Pool name or Wildcat Wildcat; Wolfcamp

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

2. Name of Operator  
Parallel Petroleum Corporation

3. Address of Operator  
1004 North Big Spring, Suite 400, Midland, Texas 79701

4. Well Location  
Unit Letter D : 760 feet from the North line and 234 feet from the West line  
Section 33 Township 15S Range 25E NMPM Chaves, County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
3474' GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type FW Depth to Groundwater 65' Distance from nearest fresh water well 800' Distance from nearest surface water 6000'

Pit Liner Thickness: min 12 mil Below-Grade Tank: Volume 25,000 bbls; Construction Material

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
PULL OR ALTER CASING <input checked="" type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>
PLUG AND ABANDON <input type="checkbox"/>	P AND A <input type="checkbox"/>
CHANGE PLANS <input checked="" type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>
MULTIPLE COMPL <input type="checkbox"/>	
OTHER: Change Surface Location <input checked="" type="checkbox"/>	OTHER: <input type="checkbox"/>

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

See approved C-101 dated SEP 7, 2006

Change surface hole size and casing size from 12 1/4" hole and 9 5/8" 36# casing to 11" hole and 8 5/8" 24# casing. Change surface casing depth to match approved depth of 1050' on approved APD.

Change surface location from 760' FNL and 147' FEL Sec. 32, T15S, R25E to 760' FNL and 234' FWL Sec. 33, T15S, R25E  
Penetration point and bottom hole location will both stay as the original APD was approved at standard locations within the producing area. PP = 660' FWL and 760' FNL; BHL = 660' FEL and 760' FNL Section 33, T15S, R25E.

Attachments:

C-102 with new surface location, revised drilling plan reflecting changes above, and directional plan based on new surface location

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Deane Durham TITLE Engineer DATE April 11, 2007

Type or print name Deane Durham E-mail address: ddurham@plll.com Telephone No. (432) 684-3727

For State Use Only

APPROVED BY: BRYAN G. ARANT TITLE DISTRICT II GEOLOGIST DATE APR 17 2007  
Conditions of Approval (if any):

DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240

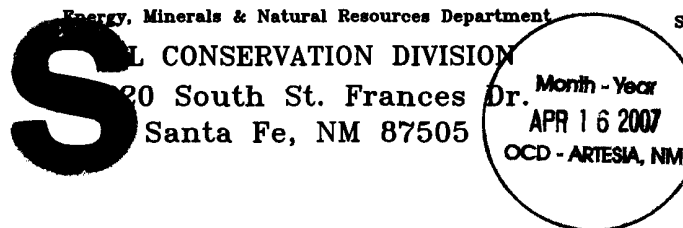
DISTRICT II  
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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico

Energy, Minerals & Natural Resources Department



WELL CONSERVATION DIVISION

20 South St. Frances Dr.  
Santa Fe, NM 87505

Form C-102  
Revised October 12, 2005  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		Pool Code	Pool Name
Property Code	Property Name PERSONALLY 1525-33		Well Number 1
OGRID No.	Operator Name PARALLEL PETROLEUM CORPORATION		Elevation 3474'

Surface Location

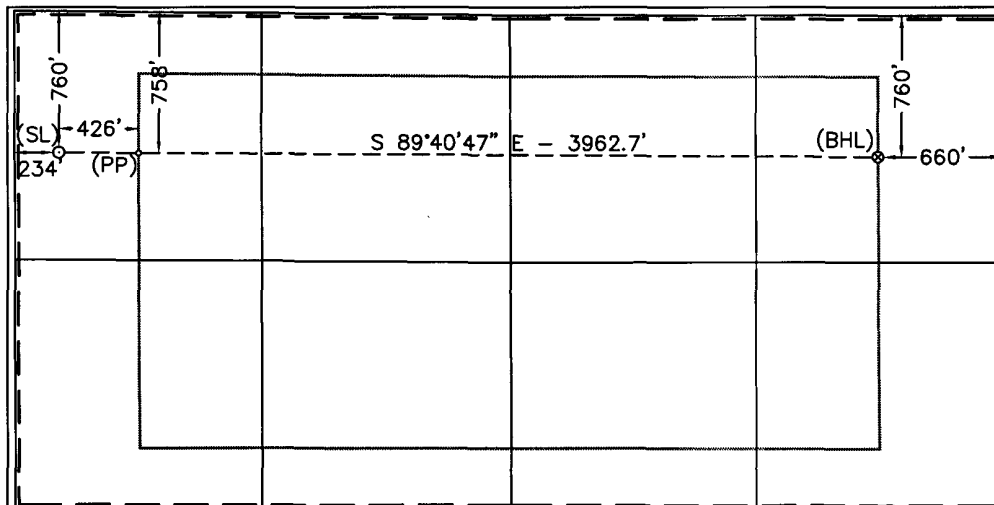
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	33	15 S	25 E		760	NORTH	234	WEST	CHAVES

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
A	33	15 S	25 E		760	NORTH	660	EAST	CHAVES

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
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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



OPERATOR CERTIFICATION

I hereby certify the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

*Deane Durham* 4-11-07  
Signature Date  
Deane Durham  
Printed Name

SURVEYOR CERTIFICATION

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.

April 4, 2007

Date of Survey KMT  
Signature & Seal of Professional Surveyor

*[Signature]*

W.O. Num. 2007-0464

Certificate No. MACON McDONALD 12185

Surface Location  
Plane Coordinate  
X = 462,635.2  
Y = 719,112.4  
Geodetic Coordinate  
Lat. 32°58'36.66" N  
Long. 104°27'18.63" W  
(NAD '27)

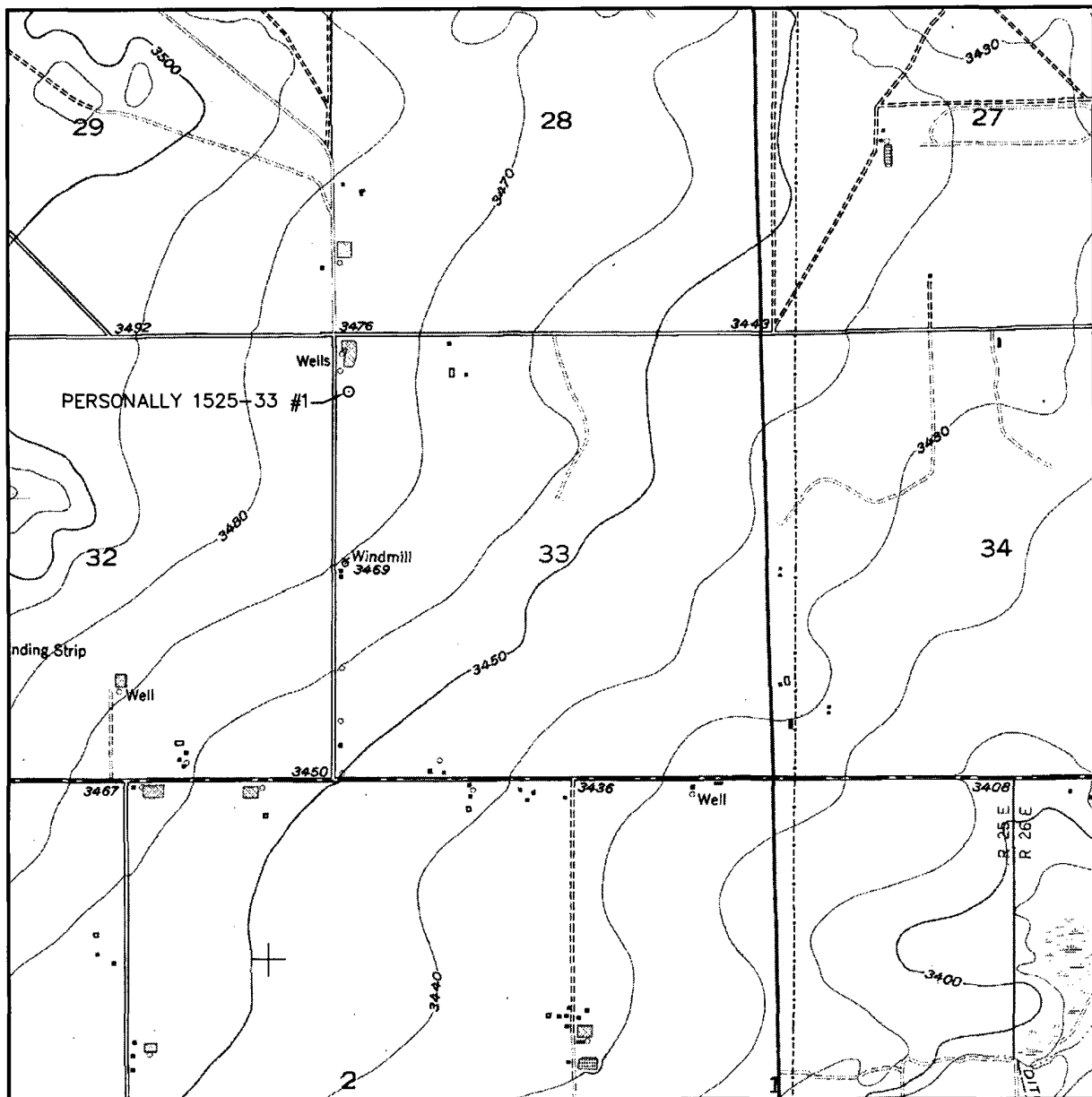
Penetration Point  
Plane Coordinate  
X = 463,060.9  
Y = 719,110.0  
Geodetic Coordinate  
Lat. 32°58'36.64" N  
Long. 104°27'13.64" W  
(NAD '27)

Bottom Hole Location  
Plane Coordinate  
X = 467,022.5  
Y = 719,087.9  
Geodetic Coordinate  
Lat. 32°58'36.47" N  
Long. 104°26'27.13" W  
(NAD '27)

NOTE:

- 1) Plane Coordinates shown hereon are Transverse Mercator Grid and Conform to the "New Mexico Coordinate System", New Mexico East Zone, North American Datum of 1927. Distances shown hereon are mean horizontal surface values.

# LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:  
ESPUELA - 10'

SEC. 33 TWP. 15-S RGE. 25-E

SURVEY N.M.P.M.

COUNTY CHAVES

DESCRIPTION 760' FNL & 234' FWL

ELEVATION 3474'

OPERATOR PARALLEL PETROLEUM CORPORATION

LEASE PERSONALLY 1525-33

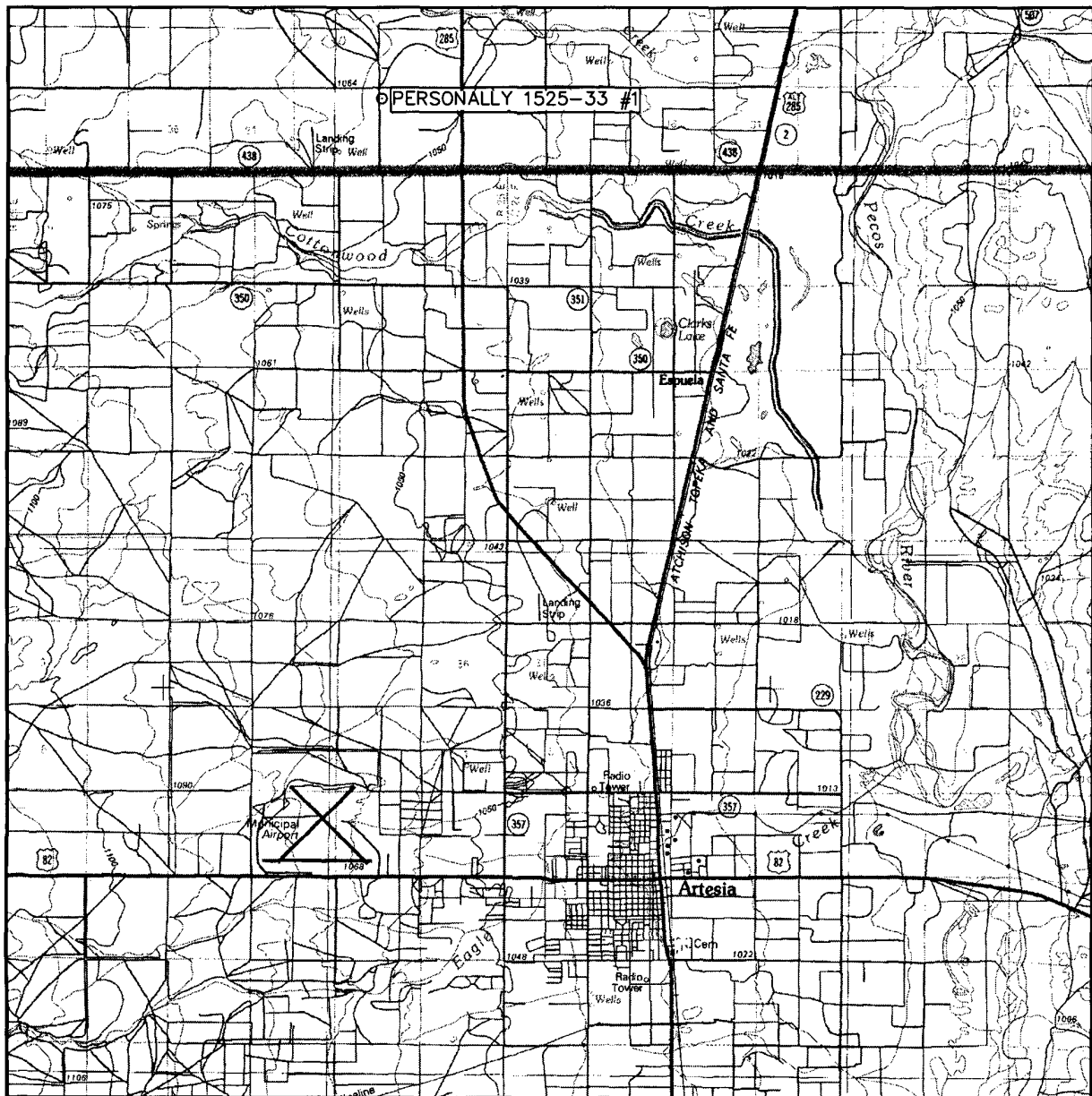
U.S.G.S. TOPOGRAPHIC MAP  
ESPUELA



**WEST**  
**COMPANY**  
of Midland, Inc.

110 W. LOUISIANA, STE. 110  
MIDLAND TEXAS, 79701  
(432) 687-0865 - (432) 687-0868 FAX

# VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 33 TWP. 15-S RGE. 25-E

SURVEY N.M.P.M.

COUNTY CHAVES

DESCRIPTION 760' FNL & 234' FWL

ELEVATION 3474'

OPERATOR PARALLEL PETROLEUM CORPORATION

LEASE PERSONALLY 1525-33



110 W. LOUISIANA, STE. 110  
MIDLAND TEXAS, 79701  
(432) 687-0865 - (432) 687-0868 FAX

**PARALLEL PETROLEUM CORPORATION**  
**PERSONALLY 1525-33 #1**  
**SL: 234' FWL AND 760' FNL, BHL: 660' FEL AND 760' FNL**  
**SEC 33, T15S, R25E                      SEC 33, T15S, R25E**  
**CHAVES COUNTY, NEW MEXICO**

**Objective**

Drill a horizontal well in the Wolfcamp formation.

**Expected Geologic Tops**

Est GL from topo: 3474', KB 3490'.  
Glorieta 2050'  
Tubb 3050'  
Abo Shale 3800'  
Wolfcamp 4880'

**Well Geometry**

- 8 5/8" casing at 1050'
- 5 1/2" casing through the horizontal Wolfcamp; Acid soluble cement per completion.

**Casing Program**

<u>Hole</u>	<u>MD</u> <u>(ft)</u>	<u>Casing</u>	<u>Weight</u>	<u>Grade</u>	<u>Coupling</u>	<u>COMMENT</u>
11"	0 – 1050	8-5/8"	24	J55	ST&C	
7 7/8"	0 – TD'	5-1/2"	17	N80	LT&C	Run through the horizontal lateral.

### **Casing Cementing Program**

8-5/8" slurry: Lead: 125 sacks (50:50) Poz (Fly Ash): Class C + 5% bwow Sodium Chloride + 10% bwoc Bentonite + 151.7% fresh water. Tail: 200 sacks Class C + 1% bwoc Calcium Chloride + 56.3% fresh water

Note: If cement does not circulate to surface, notify OCD. A temperature survey will be required. Top out to surface with 1" pipe in the annulus.

Note: 5-1/2" Cement per completion procedure. Top of Cement should tie into surface casing.

### **Mud Program**

<u>Depth</u>	<u>Hole</u>	<u>MW</u>	<u>Visc.</u>	<u>WL</u>	<u>Synopsis</u>
0 - 1050	11"	8.4 – 8.6	28 - 29	No control	FRESH WATER mud only to 1400 ft. Severe loss potential. Circulate inner reserve. LCM: paper, fiber, cotton seed hulls.
1050 – 3700	7-7/8"	8.6 – 9.2	28 -29	No control	Cut brine. Start w/existing & add brine t/80K-100K chlorides
KOP – TD Horizontal	7-7/8"	8.9 – 9.5	38 - 45	6 - 10	XCD/polymer as req'd for hole cleaning. Lubricants.

# **PARALLEL** SURVEY CALCULATION PROGRAM PETROLEUM CORPORATION

OPERATOR:	Parallel Petroleum Corporation	Supervisors:	
WELL:	Personally 1525-33 #1		
LOCATION:	N/2 Sec. 33 T-15-S R-25-E		
API NUMBER:			
COMMENTS:			
		MAG DEC. (-/+)	
		GRID CORR. (-/+)	
		TOTAL CORR. (-/+)	0.0

DATE: 04/11/07						TIME: 10:03 AM		TRUE TO GRID		<div></div>	
MINIMUM CURVATURE CALCULATIONS(SPE-3362)						PROPOSED DIRECTION			90.0	TARGET TRACKING	
										TO CENTER	
SVY			GRID		VERT			DLS/	ABOVE(+)	RIGHT(+)	
NUM	MD	INC	AZM	TVD	SECT	N-S	E-W	100	BELOW(-)	LEFT(-)	
TIE	0	0.0	0.0	0.0	0.0	0.0	0.0				
1	4401	0.0	0.0	4401.0	0.0	0.0	0.0	0.0	478.6	0.0	
2	4411	1.2	90.0	4411.0	0.1	0.0	0.1	11.8	468.6	0.0	
3	4421	2.4	90.0	4421.0	0.4	0.0	0.4	11.8	458.6	0.0	
4	5158	89.0	90.0	4887.9	478.6	0.0	478.6	11.8	0.0	0.0	
5	9045	89.0	90.0	4955.8	4365.0	0.0	4365.0	0.0	0.0	0.0	

KOP @ 4401' MD  
 BUR = 11.8 DEG per 100 FT  
 End Curve @ 5158' MD, 4887.9' TVD  
 BHL @ 9045' MD, 4955.8' TVD, 4365' VS

# Parallel Petroleum Corp.

## COMPANY DETAILS

Parallel Petroleum Corp.  
1004 N. Big Spring, Ste 400  
Midland, Texas 79701

Personally 1525-33 #1  
N/2 Sec. 33, T-15-S, R-25-E  
Chaves County, New Mexico

