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1004 N. Big Spring, Suite 400 • Midland, TX 79701• Ph: 432-684-3727 • Fax: 432-684-3905

MICHAEL M. GRAY

June 19, 2006

Ari: 6-22-06 Soop: 7-12-06 pineso-625748888

New Mexico Oil Conservation Division 12205 St. Francis Drive Santa Fe, NM 87505

Attention: Mr. Michael Stogner

Re: Strong Box Federal No. 1 Well

T-19-S, R-21-E Section 11: W/2 Eddy County, NM

Dear Mr. Stogner:

Parallel Petroleum Corporation has applied for a drilling permit for the captioned well. Due to topographic reasons the BLM has required our surface location to be set at 660' FSL and 2,230' FWL of Section 11. The resulting penetration point and terminus in the Wolfcamp formation in our horizontal wellbore are unorthodox at 660' FSL and 2230' FWL and 660' FNL and 2,230' FWL respectively.

This unorthodox penetration point encroaches on the E/2 of Section 11-19S-21E. All of Section 11-19S-21E is under a common Federal Oil and Gas Lease. The Working Interest ownership in the E/2 of Section 11 is common to the W/2 of the Section and the entire Section is subject to a common Operating Agreement naming Parallel Petroleum Corporation as Operator. All of the owners in the E/2 of Section 11 have waived objection to this location. Copies of their waiver letters are enclosed.

This location is approximately 11 miles south of Hope, New Mexico.

We respectfully request the approval by the OCD of our proposed unorthodox location.



We are enclosing, for your review a copy of our drilling application and a plat depicting the ownership in the drill site unit and the E/2 of Section 11.

If you have any questions please call me.

Michael M. Gray

Yours truly

Land Manager, New Mexico



STRONG BOX FEDERAL NO. 1 WELL TOWNSHIP 19 SOUTH, RANGE 21 EAST SECTION 11: W/2 660' FSL AND 2230' FWL

11-19S-21E

Parallel Petroleum Corporation Parallel Petroleum Corporation Nearburg Exploration Company, LLC Nearburg Exploration Company, LLC 40.00% Improvisation Partners, LP Improvisation Partners, LP 1.5% 1.5% Mac Petroleum, LP Mac Petroleum, LP 2.625% 2.625% Elysium Enterprises, LP Elysium Enterprises, LP 2.625% 2.625% Capstone Oil and Gas Company, LP Capstone Oil and Gas Company, LP 4.875% CMW Interests, Inc. 4.875% CMW Interests, Inc. 0.9375% 0.9375% Elger Exploration, Inc. Elger Exploration, Inc. 0.9375% 0.9375% Surface Location 300' FSL & 2,230' FWL Penetration Point 660' FSL & 2230' FWL Terminus 660' FNL & 2,230' FWL

FORM APPROVED Form 3160-3 OMB No. 1004-0137 Expires March 31, 2007 (April 2004) UNITED STATES 5. Lease Serial No. DEPARTMENT OF THE INTERIOR NM NM 98791 BUREAU OF LAND MANAGEMENT 6. If Indian, Allotee or Tribe Name APPLICATION FOR PERMIT TO DRILL OR REENTER 7 If Unit or CA Agreement, Name and No. DRILL REENTER la. Type of work: 8. Lease Name and Well No. Oil Well Gas Well Single Zone lb. Type of Well: Multiple Zone Strong Box Federal #1 9. API Well No. Name of Operator **Parallel Petroleum Corporation** 10. Field and Pool, or Exploratory 3a. Address 1004 North Big Spring, Suite 400 3b. Phone No. (include area code) Midland, Texas 432/684-3727 Wolfcamp 11. Sec., T. R. M. or Blk. and Survey or Area 4. Location of Well (Report location clearly and in accordance with any State requirements.*) 300' FSL and 2230' FWL 11-19S-21E At proposed prod. zone 660' FSL and 2230' FWL 12. County or Parish 13. State 14. Distance in miles and direction from nearest town or post office* 9 miles south of Hope, New Mexico Eddy NM 15. Distance from proposed* 17. Spacing Unit dedicated to this well 16. No. of acres in lease location to nearest property or lease line, ft.
(Also to nearest drig, unit line, if any) 1,922.48 18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft. 20. BLM/BIA Bond No. on file 19. Proposed Depth 6800 5500' TVD, 8491 MD NMB000265 21. Elevations (Show whether DF, KDB, RT, GL, etc.) 22. Approximate date work will start* 23. Estimated duration 04/15/2005 30 days 24. Attachments The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form: 4. Bond to cover the operations unless covered by an existing bond on file (see 1. Well plat certified by a registered surveyor. Item 20 above). 2. A Drilling Plan. 3. A Surface Use Plan (if the location is on National Forest System Lands, the 5. Operator certification SUPO shall be filed with the appropriate Forest Service Office). Such other site specific information and/or plans as may be required by the authorized officer. Name (Printed/Typed) 25. Signature Whan Deane Durham Title **Drilling Engineer, Parallel Petroleum Corporation** Approved by (Signature) Name (Printed/Typed) Date Title Office Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Conditions of approval, if any, are attached. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

^{*(}Instructions on page 2)

STATEMENT ACCEPTING RESPONSIBILITY FOR OPERATIONS

Parallel Petroleum Corporation 1004 N. Big Spring St. Suite 400 Midland, Texas 79701

The undersigned accepts all applicable terms, conditions, stipulations and restrictions covering operations conducted on the leased land or portion thereof, as described below:

Lease No:

NM NM 98791

Legal Description of Land:

Strong Box Federal #1

SHL: 300' FSL AND 2230' FWL, SEC 11, T19S, R21E BHL: 660' FNL AND 2230' FWL, SEC 11, T19S, R21E

Eddy County, New Mexico

Formation(s) (if applicable: Wolfcamp

Bond Coverage:

\$25,000 statewide bond of Parallel Petroleum Corporation

BLM Bond File No:

NMB000265

Name: Deane Durham

Title: Engineer

SURFACE AND OPERATIONS PLAN FOR DRILLING, COMPLETION, AND PRODUCING

PARALLEL PETROLEUM CORPORATION STRONG BOX FEDERAL #1 SHL: 300' FSL AND 2230' FWL, SEC 11, T19S, R21E EDDY COUNTY, NEW MEXICO

LOCATED:

9 miles South of Hope, New Mexico

OIL & GAS LEASE:

NM NM 98791

RECORD LESSEE:

Nearburg Exploration Company, LLC 3300 N. A Street, Bldg. 2 #120 Midland, Texas 79705

BOND COVERAGE:

\$25,000 statewide bond # NMB000265 of Parallel Petroleum Corporation

ACRES IN LEASE:

1922.48

SURFACE OWNER:

Federal

SURFACE TENANT:

Barbra Runyon Ranch P.O. Box 2468 Roswell, NM 88202 Jim Bob Burnet, Ranch Manager, 505-484-3141

POOL:

Primary Objective - Wolfcamp

STRONG BOX FEDERAL #1

Page 2

EXHIBITS:

- A. Area Road Map
- B. Drilling Rig Layout
- C. Pad Elevation Plat
- D. Vicinity Map
- E. Area Production Map
- F. Topographic & Location Verification Map
- G. Well Location & Acreage Dedication Map (NMOCD Form C-102)
- H. NMOCD Form C-144, Pit Registration (Original forwarded to NMOCD)
- I. Blow Out Preventer (BOP) Schematic
- J. Choke Manifold Schematic
- K. Estimated Horizontal Survey Calculation Program
- L. Estimated Wellbore Plot

1. EXISTING ROADS

- A. Exhibits A and D are area road maps showing existing roads in the vicinity of the site.
- B. Exhibit F is a topographic map of the location showing existing roads and the proposed new access road.

2. ACCESS ROADS

A. Length and Width

The access road will be built as shown on Exhibit D. The access road will come off County Road 20 and go east on and existing 2 track road that runs along side an H-Frame power line. This portion of the access road may be utilized for as many as four drill sites including this one. The access road will go east 1000' and then turn left (north) 200' onto the wellsite. Both the improved two track and new access road will be surfaced with caliche and will be 16' to 24' wide with a total length of 1200''. A 75' wide turn in will be constructed onto the access road at County Road 20.

B. Surface Material

Caliche from a commercial source.

C. Maximum Grade

Less than five percent.

STRONG BOX FEDERAL #1

Page 3

D. Turnouts

No turnouts will be constructed on this section of the access road.

E. Drainage Design

No low water crossings will be constructed on this section of the access road.

F. Culverts

It is not anticipated that any culverts will be needed on the access road at this time.

G. Gates and Cattle Guards

No gates or cattle guards will be installed as no fences will be crossed for this location or access road.

3. LOCATION OF EXISTING WELLS

Existing wells in the immediate area are shown in Exhibit "E".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

Necessary production facilities for this well will be located on the well pad.

5. LOCATION AND TYPE OF WATER SUPPLY

A water well may be drilled on this location for water supply for both drilling and completion. Upon completion of operations on this site the well may be used for drilling of additional wells on this lease. The well will be made available for the surface tenant upon completion of drilling in this area for use as stock water. A permit will be secured from the New Mexico Office of the State Engineer for this water well.

6. METHODS OF HANDLING WASTE DISPOSAL

- A. Drilling fluids will be allowed to dry in the drilling pits until the pits are closed.
- B. Water produced during tests will be disposed of in the drilling pits.
- C. Oil produced during tests will be stored in test tanks.
- D. Trash will be contained in a trash trailer and removed from well site.

STRONG BOX FEDERAL #1

Page 4

- E. All trash and debris will be removed from the well site within 30 days after finishing drilling and/or completion operations.
- F. The reserve pit will be closed as per BLM and NMOCD regulations and guidelines. This will include leaving the drill cuttings in place in the pit, allowing them to dry, and covering the pit with at least 3' of backfill while not disturbing the pit liner. The cuttings may also be placed in a lined trench along side the drilling pit for disposal. If this disposal method is used the cuttings will be covered with a plastic liner and then covered with a minimum of 3' of backfill.

7. ANCILLARY FACILITIES

None required.

8. WELL SITE LAYOUT

Exhibit B shows the relative location and dimensions of the well pad, mud pits, reserve pit, and the location of major rig components.

9. PLANS FOR RESTORATION OF THE SURFACE

- A. After completion of drilling and/or completion operations, all equipment and other material that will not be used lease for operations will be removed from the site.
- B. After abandonment, all equipment, trash, and debris will be removed and the site will be reclaimed as per BLM permit stipulations.

10. OTHER INFORMATION

A. Topography

The project is located on open, rolling ridge slopes, with west/northwest exposure. The regional drainage of the site being to the north and east toward Catelaw Draw.

B. Soil

Soils are very thin and shallow, tan/pink/grey loamy sandy silts, overlying limestone bedrock.

C. Flora and Fauna

The location is located on a ridge and the vegetation consist of broom snakeweed, grasses, creosote, cholla, yucca catclaw, prickly pear, beargrass and various species of cacti.

STRONG BOX FEDERAL #1 Page 5

D. Ponds and Streams

Catclaw Draw, an intermittent stream which flows west to east, is located ½ mile north of the site. A small drainage that is flows north and east into Catclaw Draw is located 600' north west and down slope from this location. There are no other rivers, lakes, ponds, or streams in the area.

E. Residences and Other Structures

The Barbra Runyon Ranch house is located 2 miles northeast of the proposed well site

F. Archaeological, Historical, and Cultural Sites

See archaeological report # SNMAS-06NM-2083

submitted by:

Southern New Mexico Archaeological Services, Inc.,

P.O. Box 1

Bent, New Mexico 88314

Phone 505-671-4797

G. <u>Land Use</u> Grazing

H. Surface Ownership

Federal

11. OPERATOR'S REPRESENTATIVE

Deane Durham, Engineer Parallel Petroleum Corporation 1004 North Big Spring Street, Suite 400 Midland, Texas 79701 Office: (432) 684-3727

12. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Parallel Petroleum Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

10 FEB 2006

Name: Deane Durham

Title: Engineer

ATTACHMENT TO FORM 3160-3 STRONG BOX FEDERAL #1

Surface Hole Location
300 FSL AND 2230 FWL, SEC 11, 19S, 21E
Bottom Hole Location
660 FNL AND 2230 FWL, SEC 11, 19S, 21E
EDDY COUNTY, NEW MEXICO

DRILLING PROGRAM

This well is designed as a horizontal test in the Wolfcamp formation.

1. GEOLOGIC NAME OF SURFACE FORMATION

San Andres

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS

Glorieta 1739'(+2517')

Tubb 2745'(+1511')

Yeso 2885' (+1371')

Abo Shale 3385' (+871')

Abo Carbonate 3499' (+757')

Wolfcamp 4337' (-81')

Wolfcamp Shale 4430'(-174')

3. ESTIMATED DEPTHS OF ANTICIPATED FRESH WATER, OIL, OR GAS

Fresh water

790°

Oil and Gas

Wolfcamp 4337' (-81')

No H₂S gas should be encountered

4. CASING AND CEMENTING PROGRAM

Casing Size	<u>From To</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>
20" conductor	0'-40'	-		
9 5/8"	0' – 1300'	36#	J-55	LTC
5 1/2"	0' - 9,325'	17#	N-80	LTC

Equivalent or adequate grades and weights of casing may be substituted at time casing is run, depending on availability.

STRONG BOX FEDERAL #1 Page 2

9-5/8" 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 BLM. A temperature survey will most likely be required. Top out to surface with 1" pipe in the annulus.

Note: 5-1/2" Cement per completion procedure.

Drilling Procedure

- a. Set 20" conductor pipe at 40' with a rathole unit.
- b. Drill 12 ¼" surface hole to an approximate depth of 1300', using fresh water and viscous sweeps for hole cleaning. Set 9 5/8", 36# J-55 casing with 460 sx, Class C cement (lead will be 50/50 Poz, circulate to surface, 1" if necessary).
- c. Set slips on 9 5/8" CSG. Cut 9 5/8" CSG and NU & test BOP.
- d. Drill 8 3/4" production hole to 5500', using cut brine to an approximate depth of 3400' and a starch mud system to TD.
- e. Run open-hole logs
- f. Plug lower portion of the hole, per OCD/BLM specifications.
- g. Set CMT kick-off plug.
- h. Dress CMT to kick off point at approximately 4100', oriented at 0 degree (grid) azimuth.
- i. Build angle at 14 degrees per 100' to 90 degrees and hold.
- j. Drill 7 7/8" horizontal drain hole to a terminus of 660' FNL.
- k. Run 5 1/2" 17# N-80 CSG to TD. Cement with 500 sx Class C
- 1. Rig Down Rotary Tools

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

The BOP stack will consist of a 3,000 psi working pressure, dual ram type preventer and annular.

A BOP sketch is attached.

6. TYPES AND CHARACTERS OF THE PROPOSED MUD SYSTEM

- a. Spud and drill to 1,300' with 8.3 ppg Fresh Water system and viscous sweeps for hole cleaning.
- c. The production section from 1,300' to 4,300' will utilize a cut brine mud system.
- d. The remaining production section from 4,300' to TD will be a starch mud system with mud weight sufficient to control formation pressures.

STRONG BOX FEDERAL #1 Page 3

7. <u>AUXILIARY WELL CONTROL AND MONITORING EQUIPMENT</u>

None required.

8. LOGGING, TESTING, AND CORING PROGRAM

Mud logs as well as DLL/CNL/LDT/CAL/GR logging is planned. Drill stem tests, cores and sidewall cores are possible.

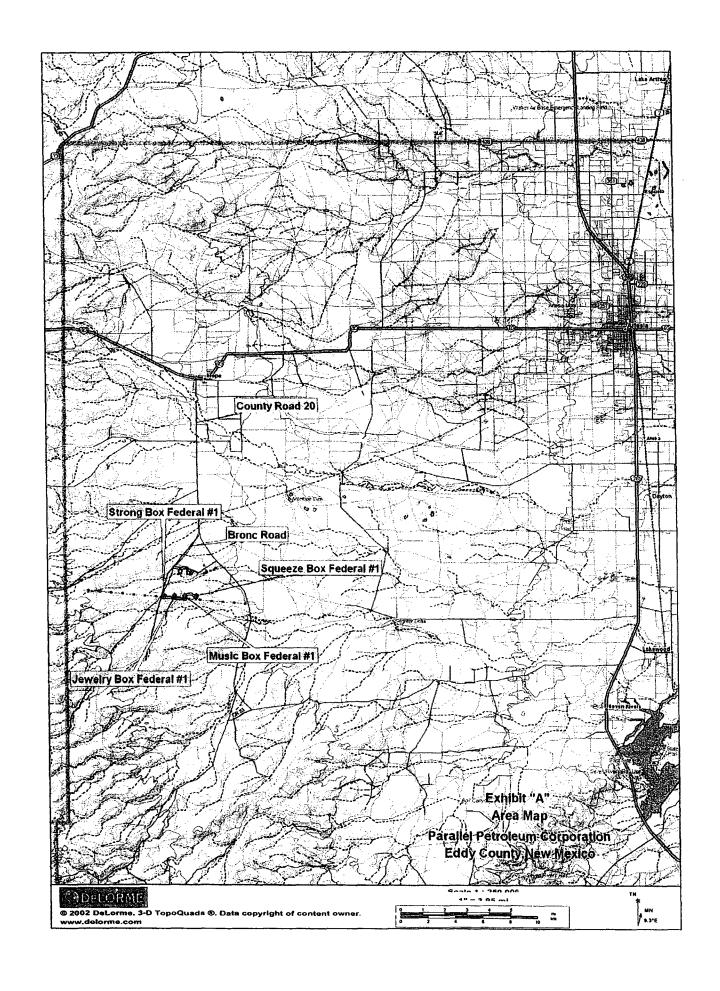
9. <u>ABNORMAL CONDITIONS, PRESSURES, TEMPERATURES & POTENTIAL HAZARDS</u>

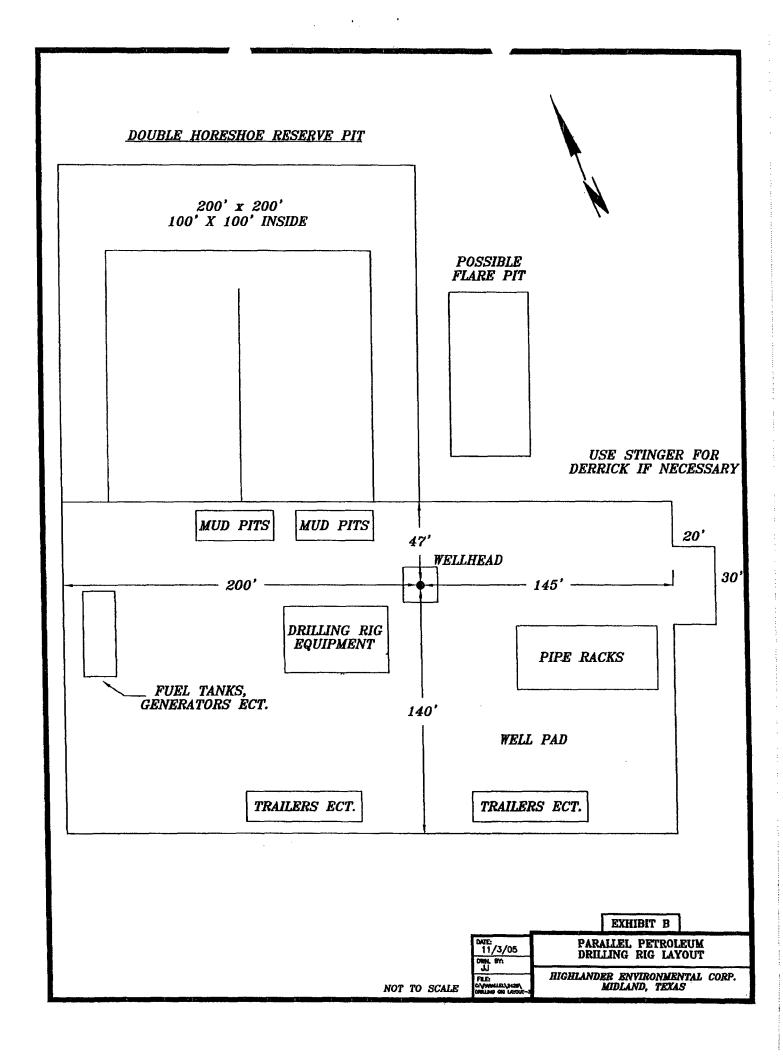
None anticipated.

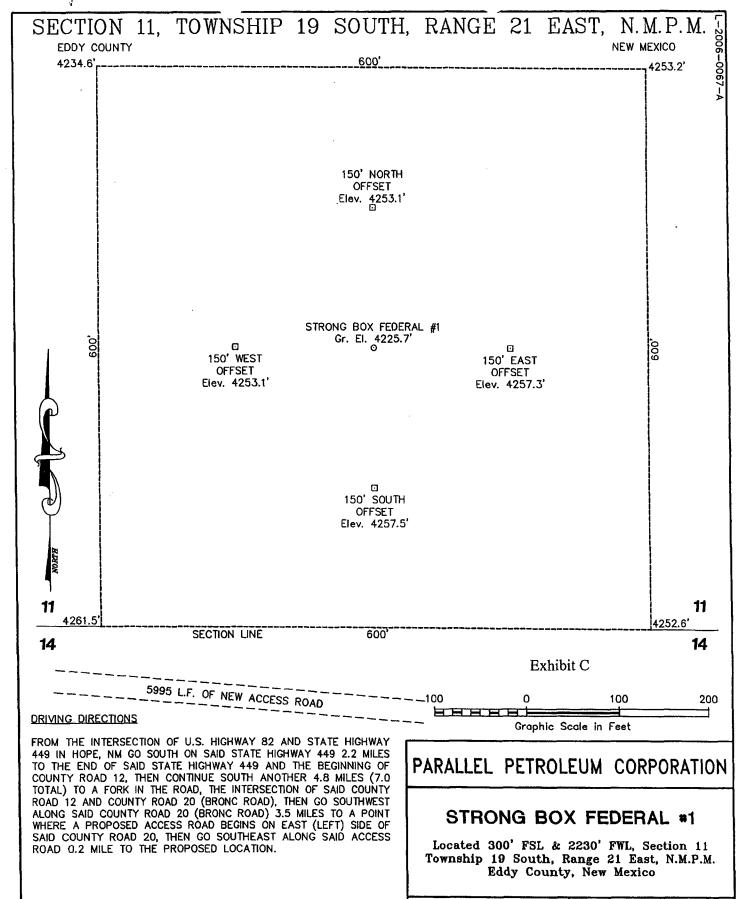
BHP expected to be 1,100 psi.

10. ANTICIPATED STARTING DATE:

It is planned that operations will commence around third quarter of 2006 with drilling and completion operation lasting about 35 days.





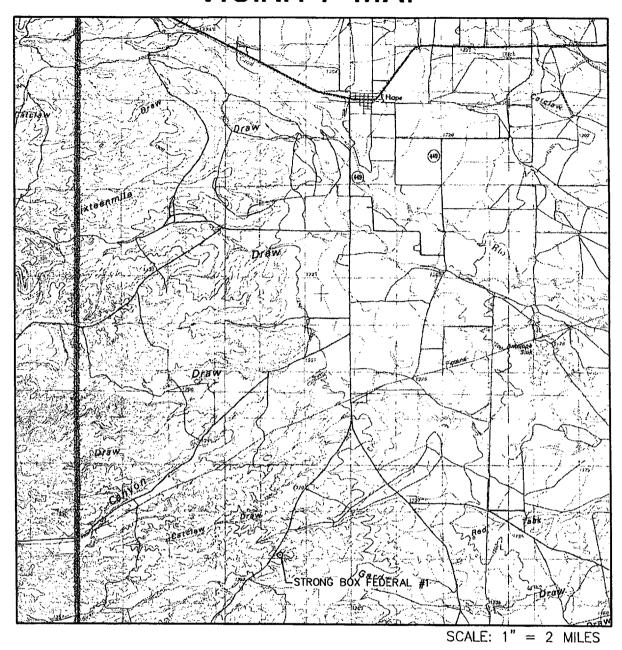


WEST COMPANY of Midland, Inc.

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

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Scale: 1"=100'	Field Book: 326 / 25-27, 30-31				
Revision Date:	Quadrangle: Holt Tank				
W.O. No: 2006-0067	Dwg. No.: L-2006-0067-A				

VICINITY MAP



SEC. 11 TWP. 19-S RGE. 21-E SURVEY N.M.P.M. COUNTY EDDY DESCRIPTION 300' FSL & 2230' FWL ELEVATION 4256' OPERATOR PARALLEL PETROLEUM CORPORATION LEASE STRONG BOX FEDERAL



Exhibit D



COMPANY

110 W. LOUISIANA, STE. 110

MIDLAND TEXAS, 79701

MIDLAND TEXAS, 79701

687-0865 - (432) 687-0868 FAX

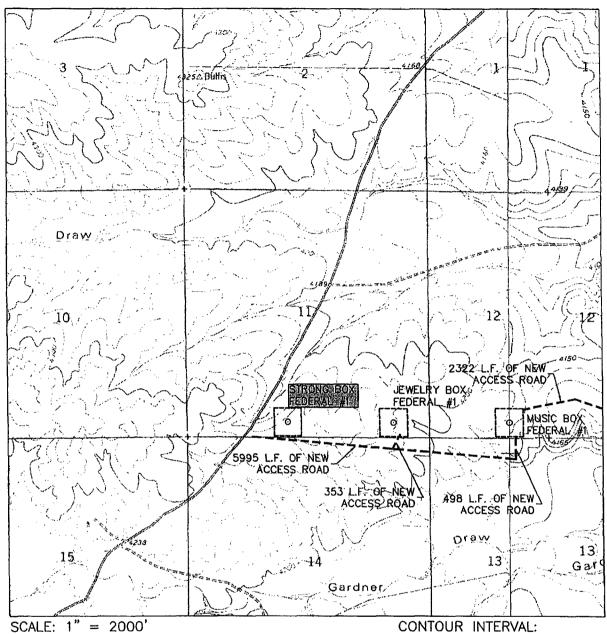
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Exhibit "E"
AREA PRODUCTION MAP

PARALLEL PETROLEUM CORPORATION STRONG BOX FEDERAL #1

SHL: 300' FSL AND 2230' FWL, SEC 11, T19S, R21E EDDY COUNTY, NEW MEXICO

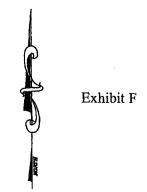
LOCATION VERIFICATION MAP



HOLT TANK, N.M.

CONTOUR INTERVAL: HOLT TANK - 20'

SEC. 11	TWP. 19-S RGE. 21-E
SURVEY	N.M.P.M.
COUNTY_	EDDY
DESCRIPTI	ON 300' FSL & 2230' FWL
ELEVATION	4256'
OPERATOR	PARALLEL PETROLEUM CORPORATION
LEASE	STRONG BOX FEDERAL
U.S.G.S. T	OPOGRAPHIC MAP





COMPANY

110 W. LOUISIANA, STE. 110

MIDLAND TEXAS, 79701

of Midland, Inc. (432) 687–0865 – (432) 687–0868 FAX

DISTRICT_I 1625 N. French Dr., Hobbs, NM 88240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000 Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

Pool Name

P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505

API Number

320

OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Pool Code

Property	Property Code Property Name STRONG BOX FEDERAL								Well Number		
OGRID No. Operator Name PARALLEL PETROLEUM CORPORATION							Elevation 4256'				
					Surface Loca	ation					
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
N	11	19 S	21 E		300	SOUTH	2230	WEST	EDDY		
			Bottom	Hole Loc	ation If Diffe	rent From Sur	face	•			
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
С	11	19 S	19 S 21 E 660 NORTH 2230						EDDY		
Dedicated Acres 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

2230'-	(BHL) 413'	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.	I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief
			Signature Dean & Darham Printed Name ENGINEER Title Date SURVEYOR CERTIFICATION I hereby certify that the well location shown
		Coordinate Table Description Plane Coordinate Strong Box Federal #1 X = 366,946.0 Surface Location Y = 607,155.8 Strong Box Federal #1 X = 366,946.4 Penetration Point Y = 607,515.9 Strong Box Federal #1 X = 366,950.4 Bottom Hole Location Y = 611,479.6	on this plat was plotted from field notes of actual surveys made by me or under my upervison and that the same is true and orrect to the best of my belief. Date Surveyoff E. LVA Signature & Seal of Professional Surveyor
2230'	(PP) 412 4234.6' - #1 90 412 4261.5' 00	4253.2' (SL)	W.O. Num. 2006, 20067 Certificate Np. MACON McDonald 12185 Exhibit G

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, 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

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

For drilling and production facilities, submit to appropriate NMOCD District Office.

For downstream facilities, submit to Santa Fe

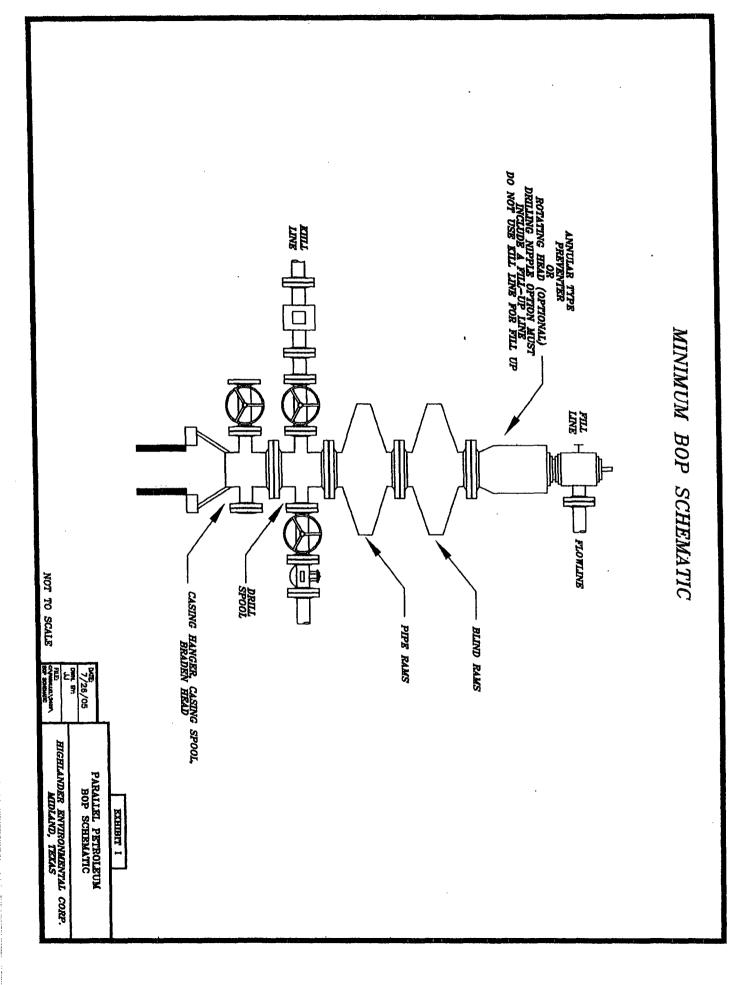
Form C-144

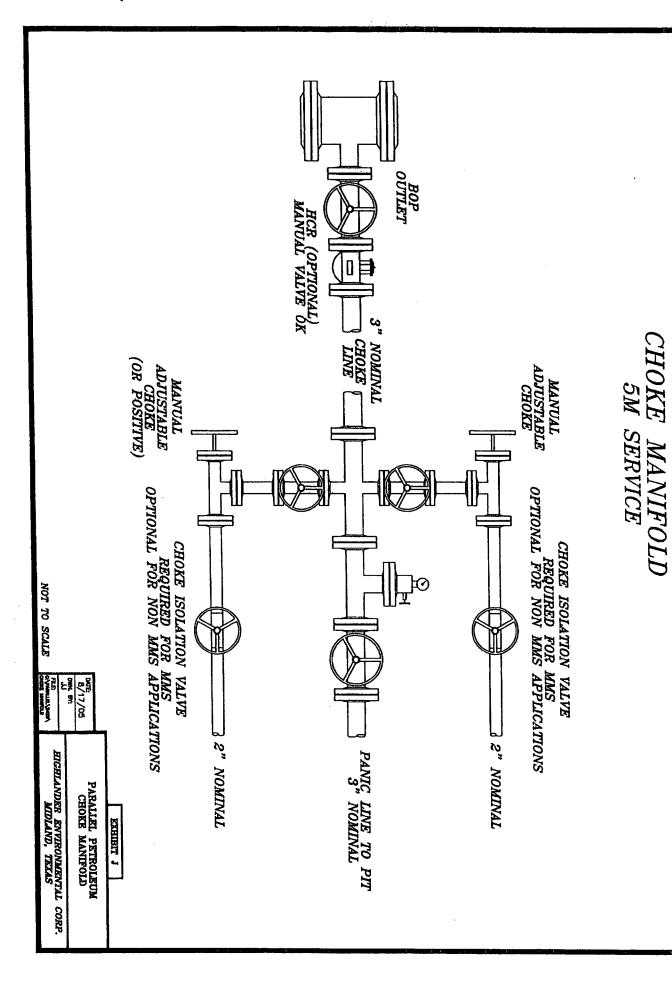
June 1, 2004

office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes No X Type of action: Registration of a pit or below-grade tank X Closure of a pit or below-grade tank Operator: Parallel Petroleum Corporation Telephone: 432-684-3905 e-mail address: gmiller@hec-enviro.com Address: 1004 N. Big Spring Street, Suite 400, Midland, Texas 79701 Facility or well name: Strong Box Federal #1 API#: U/L or Otr/Otr Unit N Sec 11 T 19S R 21E County: Eddy Latitude 32° 40' 6.44" N Longitude 104° 46' 57.24" W NAD: 1927 X 1983 □ Surface Owner: Federal X State Private Indian Pit Below-grade tank Type: Drilling X Production Disposal D Volume: bbl Type of fluid: Workover Emergency Construction material: Double-walled, with leak detection? Yes \(\subseteq\) If not, explain why not. Lined X Unlined | Liner type: Synthetic X Thickness 12 mil Clay Pit Volume 25,000 bbl Less than 50 feet (20 points) Depth to ground water (vertical distance from bottom of pit to seasonal 50 feet or more, but less than 100 feet (10 points) high water elevation of ground water.) 100 feet or more (0 points) Yes (20 points) Wellhead protection area: (Less than 200 feet from a private domestic No (0 points) water source, or less than 1000 feet from all other water sources.) Less than 200 feet (20 points) Distance to surface water: (horizontal distance to all wetlands, playas, 200 feet or more, but less than 1000 feet (10 points) 10 irrigation canals, ditches, and perennial and ephemeral watercourses.) 1000 feet or more (0 points) 10 Ranking Score (Total Points) If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite [offsite I If offsite, name of facility_ . (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No 🗌 Yes 🔲 If yes, show depth below ground surface (5) Attach soil sample results and a diagram of sample locations and excavations. Additional Comments: I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines X, a general permit [], or an (attached) alternative OCD-approved plan []. Date: 2-6-06 Printed Name/Title Gary Miller, Agent Phone 432/682/4559 Signature Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its reponsibility for compliance with any other federal, state, or local laws and/or regulations. regulations. Approval: _____Signature Printed Name/Title





118	PET	AROLE	A L	L E PORATIO		RVEY	CALCULA	TION	PROGR	AM
OPER	ATOR:		Parallel Po	etroleum C	orporatio	n	Supervisor	s:		
WELL			Strong Bo	x Federal	#1					
	TION:		Sec. 11 T-	19-S R-21-	·E					
API N	UMBEF									
			COMM	ENTS:					·	
									EC.(-/+)	
									ORR.(-/+)] _
				*******				TOTAL	CORR.(-/+)	0.0
		DATE:	02/09/06		TIME;	6:16 PM	TRUE TO GRII	D		₩
MINIMR	M CURV	ATURE C	ALCULATIO	NS(SPE-3382) PF	ROPOSED	DIRECTION	0.0		TRACKING NTER
SVY			GRID		VERT			DLS/	ABOVE(+)	
NUM	MD	INC	AŻM	TVD	SECT	N-S	E-W	100	BELOW(-)	
TIE	0	0.0	0.0	0.0	0.0	0.0	0.0	*****	<u> </u>	
1	3955	0.0	0.0	3955.0	0.0	0.0	0.0	0.0	382.0	0.0
2	3965	1.5	0.0	3965.0	0.1	0.1	0.0	15.0	372.0	0.0
3	3975	3.0	0.0	3975.0	0.5	0.5	0.0	15.0	362.0	0.0
4	4553	90.4	0.0	4334.1	381.6	381.6	0.0	15.1	0.3	0.0
5	8491	90.4	0.0	4306.6	4319.5	4319.5	0.0	0.0	0.3	0.0

KOP @ 3955' MD BUR = 15 DEG per 100 FT End Curve @ 4553' MD, 4334.1' TVD BHL @ 8491' MD, 4306.6' TVD, 4319.5' VS

34 88 80 88 ĝ 200 36 KOP @ 3955' MD BID OF CURVE & 4555 NO. 4334 TVO 8 8 ĕ STRONG BOX FEDERAL #1
SECTION 11 T-19-S, R-21-E
EDDY COUNTY, NEW MEXICO VERTICAL SECTION AT 0.00" (2001/h) 220 2400 BHL @ 8491' ND, 4308' TVD, 4318' VS NOT TO SCALE DATE: 2/10/06
DWK. BY:
JJ
FILE: CLYMBALE (MASS)
COLUMNY DETRIES 2400 8 ĝ 800 HIGHLANDER ENVIRONMENTAL CORP.
MIDLAND, TEXAS PARALLEL PETROLEUM WEST (-) EAST (+) (2000/h) T LIBITAR 8 END OF CURVE @ 4553" NO. ş BHL @ 8491, NO. 4306, LVD. 8 ē

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

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

DISTRICT II P.O. Drawer DD, Artesia, NM 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Astec, NM 87410

DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87505 OIL CONSERVATION DIVISION 2040 South Pacheco Santa Fe, NM 87505

□ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
Property Code		rty Name Well Number OX FEDERAL 1
OGRID No.	=	tor Name Elevation . EUM CORPORATION 4256'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	11	19 S	21 E		300	SOUTH	2230	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Townshi	ip	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	11	19 S	3	21 E		660	NORTH	2230	WEST	EDDY
Dedicated Acres	Joint o	r Infill	Cor	solidation (Code 0	rder No.				
320				_						

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

2230' (BHL) 413'	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 methylogical talendace values. Project Area	OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature
Producing Area		Printed Name ENGINEER Title O FEB 2006 Date SURVEYOR CERTIFICATION
	Coordinate Toble Description Plane Coordinate Strong Box Federal #1 X = 366,946.0 Surface Location Y = 607,155.8 Strong Box Federal #1 X = 366,946.4 Penetration Point Y = 607,515.9 Strong Box Federal #1 X = 366,950.4 Bottom Hole Location Y = 611,479.6	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 upervison and that the same is true and orrect to the best of my belief. FERGURARY, 2, 2006 Date Surveyed with the surveyed belief.
2230' 9 412'	253.2' (SL) 252.6'	Professional Surveyor W.O. Num. 2006-9067 Certificate No. MACON McDONALD 12185

District I 1625 N. French Dr., Hobbs, NM 88240 District 11 1301 W. Grand Avenue, 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

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Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-144

June 1, 2004

Pit or	Below-	<u>Grade '</u>	<u>Tank F</u>	<u> Registrat</u>	<u>ion or (</u>	Closure
	below-grad					

Type of action: Registration of a pit or below-grade tank X Closure of a pit or below-grade tank Operator: Parallel Petroleum Corporation Telephone: 432-684-3905 e-mail address: gmiller@hec-enviro.com Address: 1004 N. Big Spring Street, Suite 400, Midland, Texas 79701 Facility or well name: Strong Box Federal #1 API#: U/L or Qtr/Qtr Unit N Sec 11 T 19S R 21E County: Eddy Latitude 32° 40' 6.44" N Longitude 104° 46' 57.24" W NAD: 1927 X 1983 Surface Owner: Federal 🛛 State 🗌 Private 🔲 Indian 🗍 Below-grade tank Type: Drilling X Production Disposal bbl Type of fluid: Construction material: Lined X Unlined Double-walled, with leak detection? Yes I fnot, explain why not. Liner type: Synthetic X Thickness 12 mil Clay Pit Volume 25,000 bbl Less than 50 feet (20 points) Depth to ground water (vertical distance from bottom of pit to seasonal 50 feet or more, but less than 100 feet (10 points) high water elevation of ground water.) 750' 100 feet or more (0 points) Yes (20 points) Wellhead protection area: (Less than 200 feet from a private domestic No (0 points) 0 water source, or less than 1000 feet from all other water sources.) Less than 200 feet (20 points) Distance to surface water: (horizontal distance to all wetlands, playas, 200 feet or more, but less than 1000 feet (10 points) 10 irrigation canals, ditches, and perennial and ephemeral watercourses.) 1000 feet or more (0 points) 10 Ranking Score (Total Points) If this is a pit closure: (1) Attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if your are burying in place) onsite offsite I If offsite, name of facility . (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No 🗌 Yes 🔲 If yes, show depth below ground surface ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations. Additional Comments: I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines X, a general permit [], or an (autached) alternative OCD-approved plan []. Date: 2-6-06 Signature Printed Name/Title Gary Miller, Agent Phone 432/682/4559 Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or respulsions. regulations. Approval: Signature



1004 N. Big Spring, Suite 400 • Midland, TX 79701 • Ph: 432-684-3727 • Fax: 432-684-3905

MICHAEL M. GRAY

May 31, 2006

Mac Petroleum, LP 1701 River Run Road, Suite 800 Fort Worth, Texas 76107

Attention: Mr. Dan McDonald

Re: Strong Box Federal No. 1 Well

T19S, R21E Section 11: W/2 Eddy County, NM

Gentlemen:

Parallel Petroleum Corporation has applied for a drilling permit for the captioned well. Due to topographic reasons the BLM has required our surface location to be set at 660' FSL and 2,230' FWL of Section 11. The resulting penetration point in the Wolfcamp formation in our horizontal wellbore is unorthodox at 660' FSL and 2,230' FWL.

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Enclosed is a plat depicting the ownership in each half of Section 11. The working interests are common throughout the Section. Under the OCD rules we are required to send notice to you as the offsetting owner of this unorthodox location application, even though your working interest is equal in both halves of Section 11.



In order to expedite our unorthodox application, please executed and return one copy of this letter, waiving objection to our unorthodox location.

Please sign and return one copy of this letter to Parallel as soon as possible.

Yours truly,

Michael M. Gray

Land Manager, New Mexic

MAC PETROLEUM, LP

Agree to waive objection to the subject unorthodox location

Name

Date:

Title:



Match Box Federal No. 1 Well Division of Interest

Working Interest Owner	Wi
Parallel Petroleum Corporation	0.46500
Mac Petroleum, LP 1701 River Run Road, Suite 800 Fort Worth, TX 76107 Attn: Dan McDonald Phone 817-877-1755 Fax 817-877-1758 Email: dan@mhafirm.com	0.02625
Elysium Enterprises, LP 1701 River Run Road, Suite 800 Fort Worth, TX 76107 Attn: Mark Anderson Phone 817-877-1755 Fax 817-877-1758 Email: mark@mhafirm.com	0.02625
Improvisation Partners, LP 1701 River Run Road, Suite 800 Fort Worth, TX 76107 Attn: Tim Hoch Phone 817-877-1755 Fax 817-877-1758 Email: tim@mhafirm.com	0.01500
Nearburg Exploration Company, LLC 3300 N. A Street Bldg. 2, Ste 104 Midland, TX 79705 Phone 432-686-8235 Fax 432-686-7806	<u>0.40000</u>
Capstone Oil & Gas Company, LP 203 W. Wall Street Suite 1201 Midland, TX 79701	0.04875
CMW Interests, Inc. 24 Smithe Rd. Suite 405 Midland, TX 79705	0.009375

Elger Exploration Inc. P. O. Box 2623 Midland, TX 79702

0.009375

Total

1.00000

STRONG BOX FEDERAL NO. 1 WELL TOWNSHIP 19 SOUTH, RANGE 21 EAST SECTION 11: W/2 660' FSL AND 2230' FWL

11-19S-21E

Parallel Petroleum Corporation Parallel Petroleum Corporation 46.5% 46.5% Nearburg Exploration Company, LLC Nearburg Exploration Company, LLC 40.00% Improvisation Partners, LP Improvisation Partners, LP 1.5% 1.5% Mac Petroleum, LP Mac Petroleum, LP 2.625% 2.625% Elysium Enterprises, LP Elysium Enterprises, LP 2.625% 2.625% Capstone Oil and Gas Company, LP Capstone Oil and Gas Company, LP 4.875% 4.875% CMW Interests, Inc. CMW Interests, Inc. 0.9375% 0.9375% Elger Exploration, Inc. Elger Exploration, Inc. 0.9375% 0.9375% Surface Location 300' FSL & 2,230' FWL Penetration Point 660' FSL & 2230' FWL Terminus 660' FNL & 2,230' FWL



1004 N. Big Spring, Suite 400 • Midland, TX 79701 • Ph: 432-684-3727 • Fax: 432-684-3905

MICHAEL M. GRAY

May 31, 2006

Elysium Enterprises, LP 1701 River Run Road, Suite 800 Fort Worth, Texas 76107

Attention: Mr. Mark Anderson

Re: Strong Box Federal No. 1 Well

T19S, R21E Section 11: W/2 Eddy County, NM

Gentlemen:

Parallel Petroleum Corporation has applied for a drilling permit for the captioned well. Due to topographic reasons the BLM has required our surface location to be set at 660' FSL and 2,230' FWL of Section 11. The resulting penetration point in the Wolfcamp formation in our horizontal wellbore is unorthodox at 660' FSL and 2,230' FWL.

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In order to expedite our unorthodox application, please executed and return one copy of this letter, waiving objection to our unorthodox location.

Please sign and return one copy of this letter to Parallel as soon as possible.

Michael M. Glay
Land Manager, New Mexico

ELYSIUM ENTERPRISES. LP

Agree to waive objection to the subject unorthodox location

By: MW. (Allow MARK ANDERSON Name

Date: 6/2/06

Title: Pres of G.f.





1004 N. Big Spring, Suite 400 • Midland, TX 79701• Ph: 432-684-3727 • Fax: 432-684-3905

MICHAEL M. GRAY

May 31, 2006

Improvisation Partners, LP 1701 River Run Road, Suite 800 Fort Worth, Texas 76107

Attention: Mr. Tim Hoch

Re: Strong Box Federal No. 1 Well

T19S, R21E Section 11: W/2 Eddy County, NM

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Parallel Petroleum Corporation Page 2

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Please sign and return one copy of this letter to Parallel as soon as possible.

Yours/truly,

Michael M. Gray

Land Manager, New Mexigo

IMPROVISATION PARTNERS, LP

Agree to waive objection to the subject unorthodox location

Name

Date: 6/17/00

Title: Parher





1004 N. Big Spring, Suite 400 • Midland, TX 79701• Ph: 432-684-3727 • Fax: 432-684-3905

MICHAEL M. GRAY

May 31, 2006

Nearburg Exploration Company, LLC 3300 N. A Street, Bldg. 2, Suite 104 Midland, Texas 79705

Attention: Mr. Robert Shelton

Re: Strong Box Federal No. 1 Well

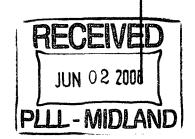
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Yours truly,

Michael M. Gray

Land Manager, New Mexico

NEARBURG EXPLORATION COMPANY, LLC

Agree to waive objection to the subject unorthodox location

By: Lobul Chee

Name

Date: 6/1/06

Title: AF-F





1004 N. Big Spring, Suite 400 • Midland, TX 79701• Ph: 432-684-3727 • Fax: 432-684-3905

MICHAEL M. GRAY

May 31, 2006

Capstone Oil & Gas Company, LP 203 W. Wall Street, Suite 1201 Midland, Texas 79701

Attention: Mr. Dale Douglas

Re: Strong Box Federal No. 1 Well

T19S, R21E Section 11: W/2 Eddy County, NM

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Yours truly,

Michael M. Gray

Land Manager, New Mexico

CAPSTONE OIL & GAS COMPANY, LP

Agree to waive objection to the subject unorthodox location

By: / 1/1/

Name

Date: 6/2/09

Dale Douglas, President of Title: Capstone Investments, Inc. its

General Partner





1004 N. Big Spring, Suite 400 • Midland, TX 79701• Ph: 432-684-3727 • Fax: 432-684-3905

MICHAEL M. GRAY

May 31, 2006

CMW Interests, Inc. 24 Smith Rd., Suite 405 Midland, Texas 79705

Attention: Mr. Mark Wheeler

Re: Strong Box Federal No. 1 Well

T19S, R21E Section 11: W/2 Eddy County, NM

Gentlemen:

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Yours truly,

Michael M. Gray

Land Manager, New Mexico

CMW INTERESTS, INC.

Agree to waive objection to the subject unorthodox location

<u>ب</u>. وح

Name

Date.

Title:





1004 N. Big Spring, Suite 400 • Midland, TX 79701• Ph: 432-684-3727 • Fax: 432-684-3905

MICHAEL M. GRAY

May 31, 2006

Elger Exploration, Inc. P. O. Box 2623 Midland, Texas 79702

Attention: Mr. Jerry Elger

Re: Strong Box Federal No. 1 Well

T19S, R21E Section 11: W/2 Eddy County, NM

Gentlemen:

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Yours' truly,

Michael M. Gray

Land Manager, New Mexico

ELGER EXPLORATION, INC.

Agree to waive objection to the subject unorthodox location

Bý:

Date:

Elger Exploration, Inc

