

New Mexico Energy, Minerals and Natural Resources Department

Bill Richardson

Governor

Joanna Prukop
Cabinet Secretary

Mark Fesmire
Division Director
Oil Conservation Division



October 22, 2009

Parallel Petroleum Corp.
1004 N. Big Spring
Suite 400
Midland, TX 79701

Re: Easy Jet #1	Sec.4	T15S	R26E	API # 30-005-63784
Box O Chocolates St Co #1	Sec.5	T19S	R23E	API # 30-01534843
Tabasco Cat 1426-28 #1	Sec.28	T14S	R26E	API # 30-005-63848
Codex 1535-34 #1	Sec.34	T15S	R25E	API # 30-005-63853
Snow Cat 1525-34	Sec.34	T15S	R25E	API # 30-005-63854
Timber County 1525-35	Sec.34	T15S	R25E	API # 30-005-63855
Disputed Testimony 1525-35	Sec.34	T15S	R25E	API # 30-005-63856
Gift Box 1920-36 St. #1	Sec.36	T19S	R20E	API # 30-005-63877
Bernardini 1426-22M #1C	Sec.27	T14S	R26E	API # 30-005-63831
Barbaro 1426-22 O #1	Sec.22	T14S	R26E	API # 30-005-63832
Prairie Bayou 1426-28 #1	Sec.28	T14S	R26E	API # 30-005-63847

To whom it may concern:

Please be advised that your permits to drill the referenced well(s) have expired and have been cancelled. If drilling operations have commenced, you should contact this office immediately.

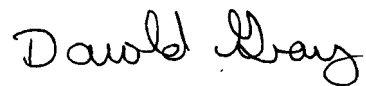
If you wish to drill these well(s) in the future, it will be necessary to submit new Form(s) C101, Application to Drill, and drilling package(s) for review and approval.



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Sincerely,

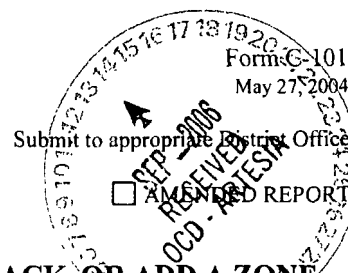
A handwritten signature in cursive script that reads "Darold Gray". The signature is written in black ink and is positioned above the printed name and title.

Darold Gray
Field Supervisor, District II

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



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

¹ Operator Name and Address Parallel Petroleum Corp. 1004 N. Big Spring Street, Suite 400, Midland, TX. 79701		² OGRID Number 230387
		³ APD Number 30-005-63832
⁴ Property Code 36040	⁵ Property Name Barbaro 1426-22	⁶ Well No. 1
⁷ Proposed Pool 1 Wildcat Wolfcamp		⁸ Proposed Pool 2

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	22	14S	26E		1880	N	325'	West	Chaves

⁸ 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
H	22	14S	26E		1880'	N	660'	East	Chaves

Additional Well Information

¹¹ Work Type Code N	¹² Well Type Code O & G	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3440'
¹⁶ Multiple No	¹⁷ Proposed Depth 9360MD, 5250TVD	¹⁸ Formation Wolfcamp	¹⁹ Contractor NA	²⁰ Spud Date NA
Depth to Groundwater 65'		Distance from nearest fresh water well 2000'		Distance from nearest surface water 7000'
Pit: Liner: Synthetic X 12_mils thick Clay <input type="checkbox"/> Pit Volume: 25,000 bbls Drilling Method:				
Closed-Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	9-5/8"	36#	1400'	325	Surface
8-3/4"	5-1/2"	17#	TVD 5250'	NA	Tie back
			MD 9360'		To surface
Verify by CBL or Temp Survey					casing

²² 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.

Well to be Drilled as a Horizontal Wolfcamp test. The attached drilling plan will be utilized for this test and contains details on the cement and mud programs as well as the directional information. The following is a summary of this plan.

1. Prepare surface location. Move in and rig up drilling rig, spud well and drill and set conductor. Install and test BOP's.
2. Drill 12 1/4" surface hole to a minimum depth of 1400'. Set 9 5/8" casing and cement.
3. Drill 8 3/4" production hole 5500' TD and evaluate running mud logs as well as DLL/CNL/LDT/CAL/GR to TD.
4. Set Kickoff point at 4820' and drill and advance hole to a Wolfcamp penetration point at approximately 1880' FNL and 755' FWL of the section 22 and continue drilling to BHL. (9360' MD & 5250' TVD)
5. Set 5 1/2" to TD and tie cement back to surface casing. Perforate porosity and stimulate as necessary (specific procedure to be determined).
6. Place well on test.
7. No H2S is anticipated during the drilling of this well.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMCD guidelines X, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name. Deane Durham

Title: Drilling Engineer

E-mail Address: ddurham@plll.com

Date: 6-16-2006

Phone: 432-684-3727

OIL CONSERVATION DIVISION

Approved by:

BRYAN G. ARRANT

Title:

DISTRICT II GEOLOGIST

Approval Date: **SEP 15 2006**

Expiration Date: **SEP 15 2007**

Conditions c

CANCELLED

Due to APD Expiration Date

D.G.