Form 3160-3 (April 2004)

OCD-A

FORM APPROVED OMB No. 1004-0137

UNITED STATE	20			Expires March 3	1, 2007	
DEPARTMENT OF THE	INTERIOR			5. Lease Serial No. NM NM 103570		
BUREAU OF LAND MA APPLICATION FOR PERMIT TO		REENTER		6. If Indian, Allotee or Tr	ibe Name	
Type of work: DRILL REEN	TER	· · · · · · · · · · · · · · · · · · ·		7 If Unit or CA Agreement	, Name and No.	
o. Type of Well: Oil Well Gas Well Other	Sing	le ZoneMultip	le Zone	8. Lease Name and Well N Black Box 1921-23		
Name of Operator Parallel Petroleum Corporation	2303	- ,		9. API Well No.	5-359	
a. Address 1004 North Big Spring, Suite 400 Midland, Texas	3b. Phone No. (432/684-	include area code)	Mile	10. Field and Pool, or Explor	atory W	
Location of Well (Report location clearly and in accordance with	any State requiremen	ts.*)		11. Sec., T. R. M. or Blk. and	Survey or Area	
At surface SHL 760' FSL AND 300' FEL, S		5		23, T19S, R21E		
At proposed prod. zone BHL 760' FSL and 660' FWL, Se	ection 23	Roswell Contro	olled Wa	ter Basin		
4. Distance in miles and direction from nearest town or post office*				12. County or Parish	13. State	
9 miles south of Hope, New Mexico				Eddy	NM	
Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 760'	16. No. of acr	es in lease	17. Spacin	ng Unit dedicated to this well		
Distance from proposed location*	19. Proposed I	Penth	20. BLM/	BIA Bond No. on file		
to nearest well, drilling, completed, applied for, on this lease, ft.	5000'	эсри		B000265		
. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approxima	ate date work will sta	rt*	23. Estimated duration		
GL 4260'		04/15/2007		30 days		
	24. Attach	ments				
ne following, completed in accordance with the requirements of Ons . Well plat certified by a registered surveyor. . A Drilling Plan. . A Surface Use Plan (if the location is on National Forest Systematics)			he operatio	nis form: ons unless covered by an exist	ing bond on file (see	
SUPO shall be filed with the appropriate Forest Service Office).	in Lanus, me		specific in	Formation and/or plans as may	be required by the	
5. Signature lune blishen		Printed/Typed) Peane Durham		Date 3	-8-07	
itle Engineer, Parallel Petroleum Corporation						
pproved by (Signature) /s/ Don Peterson	Name (Printed/Typed) /8/ DOF	Pete	rson Date	MAY 0 2 200	
"" P' PIEI D'ARANI.	Office	CARLS	BAD	FIELD OFFICE		
Application approval does not warrant or certify that the applicant honduct operations thereon. Conditions of approval, if any, are attached.	olds legal or equita	ble title to those righ	nts in the su	bject kalo phiol would entitle	the applicant to FOR 1 YEA	
itle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a tates any false, fictitious or fraudulent statements or representations	a crime for any per as to any matter wi	son knowingly and thin its jurisdiction.	willfully to	make to any department or ago	ency of the United	
(Instructions on mass 2)						

*(Instructions on page 2)

SEE ATTACHED FOR CONDITIONS OF APPROVAL

APPROVAL SUPJECT TO GENERAL DEQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

If earthen pits are used in association with the drilling of this well, an OCD pit permit must be obtained prior to pit construction.

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

DISTRICT II
1301 W. Grand Avenue, 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 & Natural Resources Department

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

Month - Year MAY 2007 OCD - ARTESIA, NM

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	977553 Four Mile Drawwolf	
Property Code	Property Name BLACK BOX 1921–23 FEDERAL	Well Number
OGRID No.	Operator Name PARALLEL PETROLEUM CORPORATION	Elevation 4260'

Surface Location

UL or lot	No. Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Р	23	19 S	21 E		760	SOUTH	300	EAST	EDDY

Bottom Hole Location If Different From Surface

ſ	UL or lot No.	Section	Townshi	ip	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
	М	23	19 5	3	21 E		760	SOUTH	660	WEST	EDDY
	Dedicated Acres	Joint or	r Infill	Cor	nsolidation (Code Or	der No.				
ļ	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

ATTACHMENT TO FORM 3160-3 BLACK BOX 1921-23 FEDERAL #1

Surface Hole Location
760 FSL AND 300 FEL, SEC 23, 19S, 21E
Bottom Hole Location
760 FSL AND 660 FWL, SEC 23, 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'(+2521')
Tubb 2745'(+1515')
Yeso 2885' (+1375')
Abo Shale 3385' (+875')
Abo Carbonate 3499' (+1207')
Wolfcamp 4330' (+761')
Wolfcamp Shale 4430'(-170')

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

Fresh water

790'

Oil and Gas

Wolfcamp 4330' (+761')

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>
16" conductor	0'-120'			
8 5/8"	0'-1500'	24#	J-55	STC
5 1/2"	0' – TOTAL DEPTH	17#	N-80	LTC

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

BLACK BOX 1921-23 FEDERAL #1 Page 2

8-5/8" slurry: Lead: 225 sacks (50:50) Poz (Fly Ash): Class C + 5% bwow Sodium Chloride + 10% bwoc Bentonite + 151.7% fresh water. Tail: 235 sacks Class C + 1% bwoc Calcium Chloride + 56.3% fresh water

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

Note: 5-1/2" Acid-soluble cement per completion procedure.

Drilling Procedure

- a. Set 16" conductor pipe as deep as possible up to 120' with a rathole unit.
- b. Drill 11" surface hole to an approximate depth of 1500', using fresh water and viscous sweeps for hole cleaning. Set 8 5/8", 24# 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 8 5/8" CSG. Cut 8 5/8" CSG and NU & test BOP.
- d. Drill 7 7/8" production hole to approximately 4,600', using cut brine to an approximate depth of 3,300' and a polymer mud system to TD.
- e. Run open-hole logs
- f. Set CMT kick-off plug.
- g. Dress CMT to kick off point at approximately 3,948'.
- h. Build angle at 15 degrees per 100' to 90 degrees and hold.
- i. Drill 7 7/8" horizontal drain hole to a terminus of 660' FWL approximately 8,466'.
- j. Run 5 ½" 17# N-80 CSG to TD. Cement with 750 sx Class C Acid Soluble
- k. Circulate to surface or run temperature survey to verify tie in to surface casing.
- 1. Rig Down Rotary Tools

BLACK BOX 1921-23 FEDERAL #1 Page 3

5. <u>MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL</u>

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 1,500' with 8.3 ppg Fresh Water system and viscous sweeps for hole cleaning.
- c. The production section from 1,500' to 3,300' will utilize a cut brine mud system from 8.8 to 9.2 ppg.
- d. The remaining production section from 3,300' to TD will be a polymer mud system with mud weight (8.8 9.6) sufficient to control formation pressure anticipated to be approximately 1,900 psi.

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

None required.

8. LOGGING, TESTING, AND CORING PROGRAM

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

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

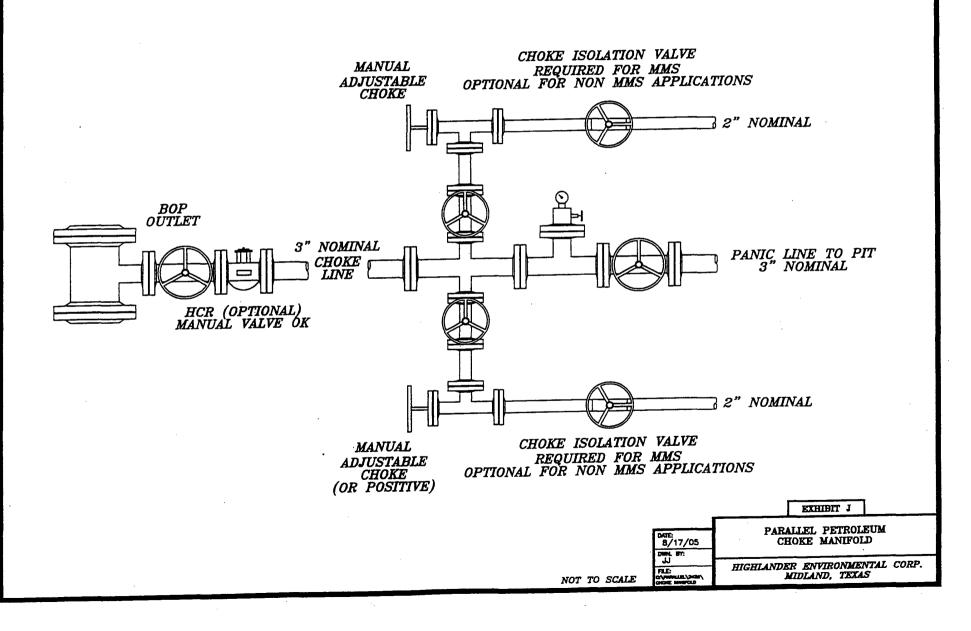
None anticipated.

BHP expected to be 1,900 psi.

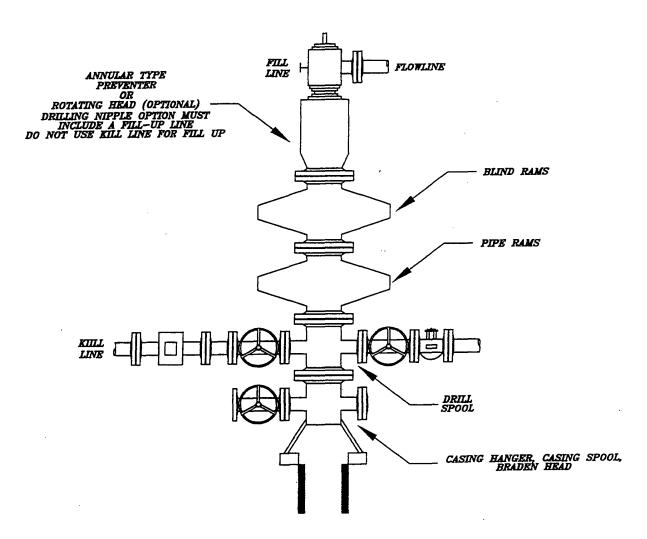
10. ANTICIPATED STARTING DATE:

It is planned that operations will commence around third quarter of 2007 with drilling and completion operation lasting about 35 days.

CHOKE MANIFOLD 5M SERVICE



MINIMUM BOP SCHEMATIC



DATE:
7/26/05
DWH, BY:
JJ
FILE:
CAMMARIANAMEN
SOP SOPRIMITIES

PARALLEL PETROLEUM BOP SCHEMATIC

EXHIBIT I

HIGHLANDER ENVIRONMENTAL CORP.
MIDLAND, TEXAS

NOT TO SCALE

11	P	AR	RAL	LEI	_ SU	RVEY C	ALCULA	ATION	N PROGR	RAM	
	PET	ROLE	UM CORF	ORATIO	N						
OPER	ATOR:		Parallel P	etroleum (orporatio	n	Supervisor	s:			
WELL: Black Box 1921-23 Fo					ederal #1						
LOCA	TION:		S/2 Sec. 2	3 T-19-S R	-21-E						
API N	UMBER	X							·		
			COMM	ENTS:							
									EC.(-/+)		
									ORR.(-/+)		
								TOTAL	CORR.(-/+)	0.0	
		DATE	: 02/12/07		TIME:	2:33 PM	TRUE TO GRI)		•	
MINIM	JM CURV	ATURE (CALCULATIO	NS(SPE-3362) PF	ROPOSED	DIRECTION	270.0	TARGET T		IG
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	3948	0.0	0.0	3948.0	0.0	0.0	0.0	0.0	382.0	0.0	
2	3958	1.5	270.0	3958.0	0.1	0.0	-0.1	15.0	372.0	0.0	
3	3968	3.0	270.0	3968.0	0.5	0.0	-0.5	15.0	362.0	0.0	
4	4548	90.0	270.0	4330.0	382.0	0.0	-382.0	15.0	0.0	0.0	
5	8466	90.0	270.0	4330.0	4300.0	0.0	-4300.0	0.0	0.0	0.0	

KOP @ 3948' MD BUR = 15 DEG per 100 FT End Curve @ 4548' MD, 4330' TVD BHL @ 8466' MD, 4330' TVD, 4300' VS

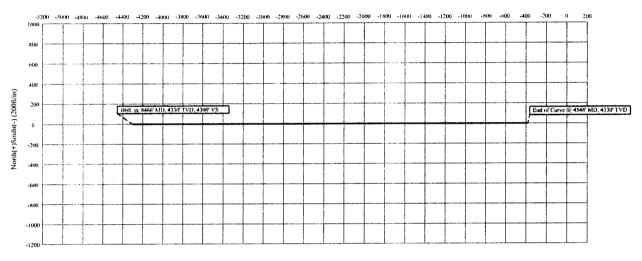
Parallel Petroleum Corp.

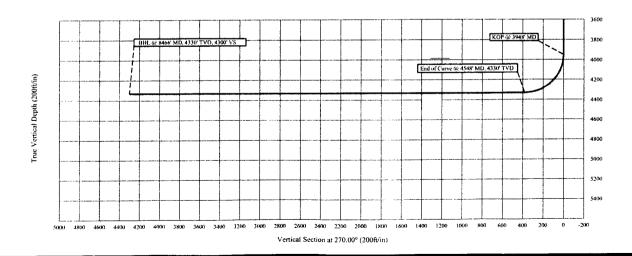
COMPANY DETAILS

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

Black Box 1921-23 Federal #1 S/2 Sec. 23, T-19-S, R-21-E Eddy County, New Mexico

East(+)/West(-) (200f/in)





Complete Plan In CFO Copy



Legals:

Sand Box 1921-24 Federal #1 & Black Box 1921-23 Federal #1

Section 23

Township 19 South, Range 21 East, N.MY.M. Survey

Eddy County, New Mexico

H₂S

"Contingency Plan"

CALLAWAY SAFETY EQUIPMENT CO. INC. 1020 W. Hwy. 80 East 3229 Industrial Drive Odessa, Texas 79765 Hobbs, New Mexico 88240 (432) 561-5049 (877) 422-6345 (505) 392-2973

SURFACE AND OPERATIONS PLAN FOR DRILLING, COMPLETION, AND PRODUCING

PARALLEL PETROLEUM CORPORATION BLACK BOX 1921-23 FEDERAL #1

(Well will share a pad with the Sand Box 1921-24 Federal #1) SHL: 760' FSL AND 300' FEL, SEC 23, T19S, R21E EDDY COUNTY, NEW MEXICO

LOCATED:

9 miles South of Hope, New Mexico

OIL & GAS LEASE:

NM NM 103570

RECORD LESSEE:

Echo Production, Inc. P.O. Box 1210 Graham, Texas 76450

BOND COVERAGE:

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

ACRES IN LEASE:

2,560.00

SURFACE OWNER:

Federal

SURFACE TENANT:

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

POOL:

Wolfcamp (Gas)

BLACK BOX 1921-24 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 new access road will come off an existing access road to the Jack in the Box Federal #1. From this point the road will go east 4428' to the Parallel Petroleum, Box Cars 1921-13 Federal #1 location and continue south 2052' to the 3 Lock Box 1921-24 Federal #1. New access road for this well on the subject well location will be 2154' in length. The new access road will be 16' to 24' wide.

B. Surface Material

Caliche from a commercial source.

C. Maximum Grade

Less than five percent.

D. Turnouts

No turnouts are planned on the access road.

BLACK BOX 1921-24 FEDERAL #1

Page 3

E. <u>Drainage Design</u>

No creek or drainage crossings are planned for this section of access road.

F. Culverts

It is not anticipated that any culverts will be needed on the access road at this time. If any drainage areas are crossed other than the low water crossing site mentioned above, a culvert will be used so water is not backed up by the road bed.

G. Gates and Cattle Guards

No gate or cattle guards will be required for this section of access road.

3. LOCATION OF EXISTING WELLS

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

4. <u>LOCATION OF EXISTING AND/OR PROPOSED FACILITIES</u>

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

5. LOCATION AND TYPE OF WATER SUPPLY

A well located east of the well site that is operated by the Runyon Ranch may be available or water may be trucked in from a commercial source. A poly flow line will be used to deliver the water to the site if the Runyon well is utilized.

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.
- E. All trash and debris will be removed from the well site within 30 days after finishing drilling and/or completion operations.

BLACK BOX 1921-24 FEDERAL #1 Page 4

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.

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 not needed for operations will be removed. The well site will be cleaned of all trash and junk to leave the site in as aesthetically pleasing condition as possible.
- B. After abandonment, all equipment, trash, and junk will be removed from the site.

10. OTHER INFORMATION

A. Topography

The land surface at the well site is relatively level valley or draw surrounded by rolling native grass land, to areas of small ridge tops and side slopes. The regional slope of the site is to the north and east.

B. Soil

Soils are generally shallow tan sands, with heavy lag gravels and rock outcrops.

C. Flora and Fauna

Area vegetation consists of numerous grasses, snakeweed, cholla, yucca prickly pear, agave and creosote.

BLACK BOX 1921-24 FEDERAL #1 Page 5

D. Ponds and Streams

Gardner Draw, an intermittent stream which flows west to east, is located 9000' south of the site. A Crooked Canyon, smaller drainage is located 3000' west and flows north east into Gardner Draw. There are no other rivers, lakes, ponds, or streams in the area.

E. Residences and Other Structures

The Runyon Ranch headquarters are located 5 miles north east of the location.

F. Archaeological, Historical, and Cultural Sites

See archaeological report # SNMAS-06NM-2456/2457/2459/2464

submitted by:

Southern New Mexico Archaeological Services, Inc.,

P.O. Box 1

Bent, New Mexico 88314 Phone 505-67-4797

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. <u>CERTIFICATION</u>

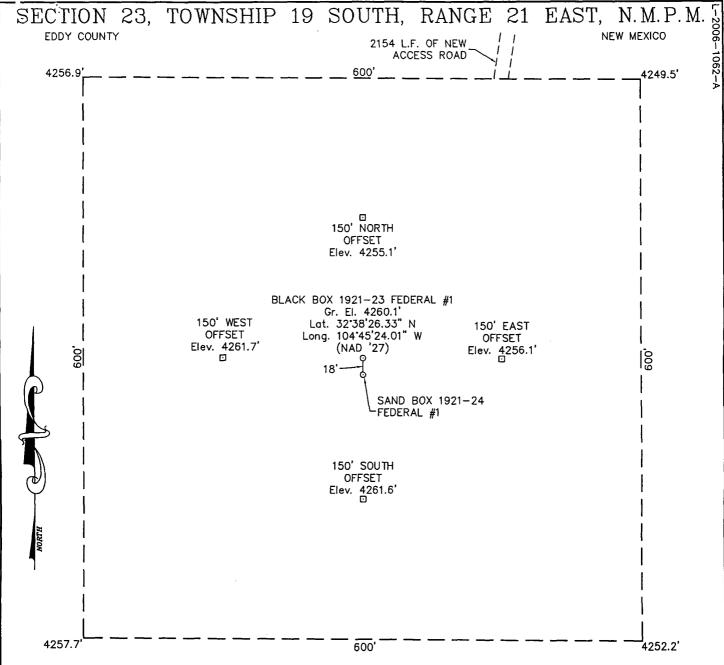
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated 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.

3-8-07

Name: Deane Durham

Title: Engineer

Date



DRIVING DIRECTIONS

FROM THE INTERSECTION OF U.S. HIGHWAY 82 AND STATE HIGHWAY 449 IN HOPE, NM GO SOUTH ON SAID STATE HIGHWAY 449 2.2 MILES TO THE END OF SAID STATE HIGHWAY 449 AND THE BEGINNING OF COUNTY ROAD 12, THEN CONTINUE SOUTH ANOTHER 4.8 MILES (6.9 TOTAL) TO A FORK IN THE ROAD, THE INTERSECTION OF SAID COUNTY ROAD 12 AND A LEASE ROAD HEADING SOUTHWEST (RIGHT FORK), THEN GO SOUTHWEST ALONG SAID LEASE ROAD 4.2 MILES TO AN ACCESS ROAD ON EAST (LEFT) SIDE OF ROAD, THEN GO EAST ALONG SAID ACCESS ROAD 0.7 MILE TO A NEW ACCESS ROAD ON THE EAST (LEFT) SIDE OF ROAD, THEM GO EAST AND SOUTH 0.8 MILE TO THE WELL PAD FOR THE BOX CARS 1921-13 FEDERAL #1 WELL THEN FROM THE SOUTH LINE OF SAID WELL PAD, GO SOUTH ALONG ANOTHER ACCESS ROAD 0.4 MILE TO THE WELL PAD FOR THE P.O. BOX 1921-23 FEDERAL #1 AND 3 LOCK BOX 1921-24 FEDERAL #1 WELLS, THEN FROM THE SOUTH LINE OF SAID WELL PAD GO SOUTH 0.4 MILE TO THE PROPOSED LOCATION.



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

100	0	100	200
	HH		
	Graphic Sc	cale in Feet	

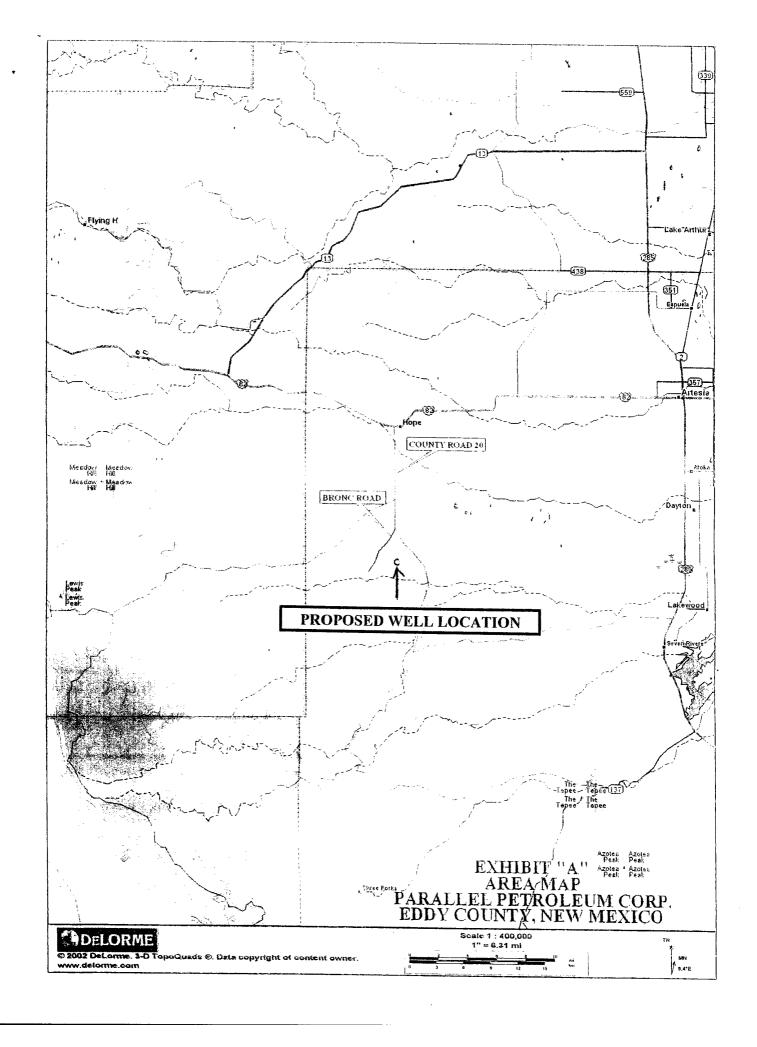
PARALLEL PETROLEUM CORPORATION

BLACK BOX 1921-23 FEDERAL #1

Located 760' FSL & 300' FEL, Section 23 Township 19 South, Range 21 East, N.M.P.M. Eddy County, New Mexico

Drawn By: LVA	Date: November 20, 2006
Scale: 1"=100'	Field Book: 348 / 32-38
Revision Date:	Quadrangle: Holt Tank
W.O. No: 2006-1062	Dwg. No.: L-2006-1062-A

EXHIBIT C



CONDITIONS OF APPROVAL - DRILLING

Operator's Name: Well Name & No.

Parallel Petroleum Corp. Black Box 1921-23 Fed # 1

Location:

760'FSL, 300'FEL, SEC23, T19S, R21E, Eddy County, NM 760'FSL, 660'FWL, SEC23, T19S, R21E, Eddy County, NM

BHL: Lease:

NM-103570

I. DRILLING OPERATIONS REQUIREMENTS:

A. The Bureau of Land Management (BLM) is to be notified a minimum of 4 hours in advance, at the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (505) 361-2822 - for wells in Eddy County, in sufficient time for a representative to witness:

- 1. Spudding
- 2. Cementing casing: 16 inch 8.625 inch 5.5 inch
- 3. BOP tests
- B. A Hydrogen Sulfide (H2S) Drilling Plan is N/A.
- C. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
- D. Gamma-Ray/Neutron logs shall be run from the base of the Salado Formation to the surface; cable speed not to exceed 30 feet per minute.
- E. If floor controls are required, (3M or Greater) controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.

II._CASING:

- A. The 8.625 inch surface casing shall be set at 1500 feet and cement circulated to the surface.
 - 1. If cement does not circulate to the surface the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with a surface log readout will be used or a cement bond log shall be run to verify the top of the cement.
 - 2. Wait on Cement (WOC) time for a primary cement job will be a minimum of 12 hours for a non-water basin, 18 hours for a water basin, 24 hours in the potash area, or 500 pounds compression strength, which ever is greater. (This is to include the lead cement)
 - 3. WOC time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds of compression strength, which ever is greater.
 - 4. If cement falls back, Remedial cementing shall be completed prior to drilling out that string.
- B. The minimum required fill of cement behind the <u>5.5</u> inch production casing is <u>cement shall extend</u> <u>upward a minimum of 200 feet above the base of the intermediate casing string. If circulation is lost on the surface casing well bore, cement will be circulated to the surface.</u>
- D. If hard band drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

III. PRESSURE CONTROL:

- A. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2.
- B. Minimum working pressure of the blowout preventer and related equipment (BOPE) required for drilling below the <u>8.625</u> inch casing shall be <u>2000</u> psi.
- C. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
- 1. The tests shall be done by an independent service company.
- 2. The results of the test shall be reported to the appropriate BLM office.
- 3. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of the independent service company test will be submitted to the appropriate BLM office.
- 4. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi in accordance with API RP 53. The test will be held for a minimum of 10 minutes if the test is done with a test plug and 30 minutes without a test plug.
- 5. A variance to test the _____ to the reduced pressure of ___psi with the rig pumps is approved the BOP/BOPE must be tested by an independent service company.

IV. Hazards:

- 1. Our geologist has indicated that there is potential for lost circulation in the San Andres, Glorieta and Wolfcamp formations.
- 2. Our geologist has indicated that there is potential for high pressure in the Wolfcamp.
- 3. Our geologist has indicated that there is medium potential for Cave / Karst features

Engineering may be contacted at 505-706-2779 for variances if necessary.

FWright 3/16/07