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JUN 1 4 2006

OCD-ARTESLA

| (April 2004) If earthen pits are association with the well, an OCD pit p | e drilling of this | - | FORM APPROVED OMB No. 1004-0137 Expires March 31, 2007 5. Lease Serial No. NM NM 103570 at BHL | | | |
|--|--|---|---|-------------------------|--|--|
| obtained prior to p | it construction. | | | | | |
| APPLICAT | *** | ' | 6. If Indian, Allotee or Trib | e Name | | |
| la. Type of work: DRILL REENTE | R | | 7 If Unit or CA Agreement, 1 | Name and No. | | |
| lb. Type of Well: Oil Well Gas Well Other | Single Zone Multip | ole Zone | 8. Lease Name and Well No. Flat Top Box Federal | | | |
| 2. Name of Operator Parallel Petroleum Corporation | 230387 | | 30 - 015 | - 3494 | | |
| 3a. Address 1004 North Big Spring, Suite 400 Midland, Texas | 3b. Phone No. (include area code) | I LD CAT | O. Field and Pool, or Explorat • Wolfcamp | ory | | |
| 4. Location of Well (Report location clearly and in accordance with any | State requirements.*) | 1 | 1. Sec., T. R. M. or Blk. and S | Survey or Area | | |
| At surface 300' FSL and 1762' FWL, 12-19S-2: At proposed prod. zone BHL 660' FNL and 1760' FWL, 13- | | reve! | FSL12-19S-21E, BH | L 13-19S-21E | | |
| Distance in miles and direction from nearest town or post office* miles south of Hope, New Mexico | | | 12. County or Parish Eddy | 13. State NM | | |
| 15. Distance from proposed* location to nearest property or lease line, ft. | 16. No. of acres in lease | | ng Unit dedicated to this well | | | |
| (Also to nearest drig. unit line, if any) 660' | 2,560.00 | 320 | | | | |
| 18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 18' west of Music Box | 19. Proposed Depth 5500' TVD, 8547' MD | · · · | | | | |
| 21. Elevations (Show whether DF, KDB, RT, GL, etc.) GL 4187' | 22. Approximate date work will sta 06/01/2006 | ırt* 2 | 23. Estimated duration 30 days | | | |
| | 24. Attachments | Roswell C | Controlled Water Bas | in | | |
| The following, completed in accordance with the requirements of Onshorm. Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office). | 4. Bond to cover the ltem 20 above). Lands, the 5. Operator certifi | attached to this the operations cation specific infor | | g bond on file (see | | |
| 25. Signature Rang Chilin | Name (Printed/Typed) Deane Durham | | Date | 4-06 | | |
| Title Drilling Engineer, Parallel Petroleum Corporation | on . | | | | | |
| Approved by (Signature)/s/ Tony J. Herrell | Name (Printed/Typed) To | ny J. H | Ierre!! Date | JN 12 2006 | | |
| FIELD MANAGER | Office | SBAD | FIELD OFF | ICE | | |
| Application approval does not warrant or certify that the applicant hold conduct operations thereon. Conditions of approval, if any, are attached. | | | | he applicant to YEAR | | |
| Title 19 LLC Continu 1001 and Title 42 LLCC Section 1212 make it a | rime for any norman knowingly and | willfully to === | lea to any denortment or soon | ou of the United | | |

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)

Approval subject to general requirements and special stipulations attached

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

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 1220 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

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

| API Number | Pool Code | Pool Name | Pool Name | |
|---------------|-----------------|-----------------|-----------|-------------|
| , | 96086 | WILDCAT: | WOLF CAMP | , |
| Property Code | Prope | rty Name | | Well Number |
| | FLAT TOP | BOX FEDERAL | | 1 |
| OGRID No. | Opera | tor Name | | Elevation |
| | PARALLEL PETROL | EUM CORPORATION | | 4187' |

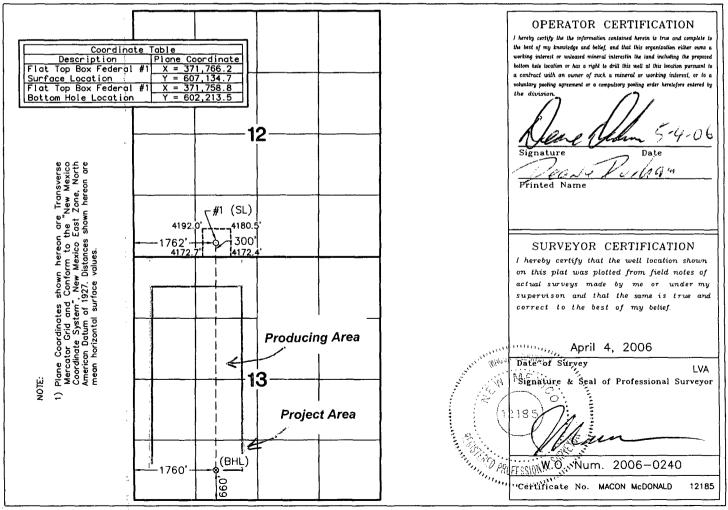
Surface Location

| - | UL or lot No. | Section | Township | Range | Lot ldn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| | N | 12 | 19 S | 21 E | | 300 | SOUTH | 1762 | WEST | EDDY |

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 |
|-----------------|----------|-----------|---------------|---------|---------------|------------------|---------------|----------------|--------|
| N | 13 | 19 S | 21 E | | 660 | SOUTH | 1760 | WEST | EDDY |
| Dedicated Acres | Joint of | Infill Co | nsolidation (| Code Or | der No. | | | | |
| 320 | 5 | | | | | | | | |

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



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:

Surface Location Lease # NM NM 98791

Bottom Hole Location Lease # NM NM 103570

Well will located on the same well site as the Music Box Federal #1

Legal Description of Land:

Flat Top Box Federal #1

SHL: 300' FSL AND 1762' FWL, SEC 12, T19S, R21E BHL: 660' FSL AND 1760' FWL, SEC 13, 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 FLAT TOP BOX FEDERAL #1

SHL: 300' FSL AND 1762' FWL, SEC 12, T19S, R21E BHL: 660' FSL AND 1760' FWL, SEC 13, T19S, R21E EDDY COUNTY, NEW MEXICO

LOCATED:

9 miles South of Hope, New Mexico, located on the same pad as the proposed Music Box Federal #1.

OIL & GAS LEASE:

Surface Location Lease # NM NM 98791 Bottom Hole Location Lease # NM NM 103570

RECORD LESSEE:

Surface Location:

Nearburg Exploration Company, LLC

3300 N. A Street, Bldg. 2 #120

Midland, Texas 79705

Bottom Hole Location:

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

Page 2

POOL:

Primary Objective - Wolfcamp

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. <u>ACCESS ROADS</u>

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 to an existing 2 track road that runs along side an H-Frame power line. This access road may be utilized for as many as four drill sites including this one. The two track road will be improved for oilfield use. The road will go east 5995' and then turn left (north) 498' to the proposed location. 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 6493'. A 75' wide turn in will be constructed onto the access road at County Road 20 and at each wellsite turn in.

B. Surface Material

Caliche from a commercial source.

Page 3

C. Maximum Grade

Less than five percent.

D. Turnouts

Two turnouts will be constructed on the access road.

E. Drainage Design

There will be at least three low water crossings constructed on the existing two track 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.

Page 4

- 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.
- 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. <u>OTHER INFORMATION</u>

A. Topography

The project is located on open, rolling ridge slopes, with east/southeast exposure. The area has a regional drainage being to the south and east toward Gardner Draw.

B. Soil

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

Page 5

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.

D. Ponds and Streams

Gardner Draw, an intermittent stream which flows west to east, is located ½ mile south of the site. A small stock pond is located 1800' southeast of the location. Drainage from this site will eventually flow into Gardener Draw. There are no other rivers, lakes, ponds, or streams in the area.

E. Residences and Other Structures

The Barbra Runyon Ranch house is located 1 miles northeast of the proposed well site

F. Archaeological, Historical, and Cultural Sites

See archaeological report # SNMAS-06NM-2080 was originally prepared for the Music Box Federal #1, which will share this site.

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

FLAT TOP BOX #1 Page 6

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.

5-4-06

Date

Name: Deane Durham

Title: Engineer

ATTACHMENT TO FORM 3160-3 FLAT TOP BOX FEDERAL #1

Surface Hole Location 300 FSL AND 1762 FWL, SEC 12, 19S, 21E Bottom Hole Location 660 FSL AND 1760 FWL, SEC 13, 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. <u>ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS</u>

Glorieta 1795'(+2392')
Tubb 2801'(+1386')
Yeso 2941' (+1246')
Abo Shale 3441' (+746')
Abo Carbonate 3585' (+602')
Wolfcamp 4393' (-206')
Wolfcamp Shale 4499'(-312')

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

Fresh water

790'

Oil and Gas

Wolfcamp 4393' (-206')

No H₂S gas should be encountered

4. CASING AND CEMENTING PROGRAM

| Casing Size | From To | <u>Weight</u> | <u>Grade</u> | <u>Joint</u> |
|---------------|-------------|---------------|--------------|--------------|
| 20" conductor | 0'-120' | | | |
| 8 5/8" | 0' – 1300' | 24# | J-55 | STC |
| 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.

FLAT TOP BOX FEDERAL #1

Page 2

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

<u>Note</u>: 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 120' 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 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 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' FSL.
- k. Run 5 1/2" 17# N-80 CSG to TD. Cement with 500 sx Class C
- l. Rig Down Rotary Tools

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 1,300' 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.

FLAT TOP BOX FEDERAL #1 Page 3

d. The remaining production section from 4,300' to TD will be a starch mud system with mud weight sufficient to control formation pressures.

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.

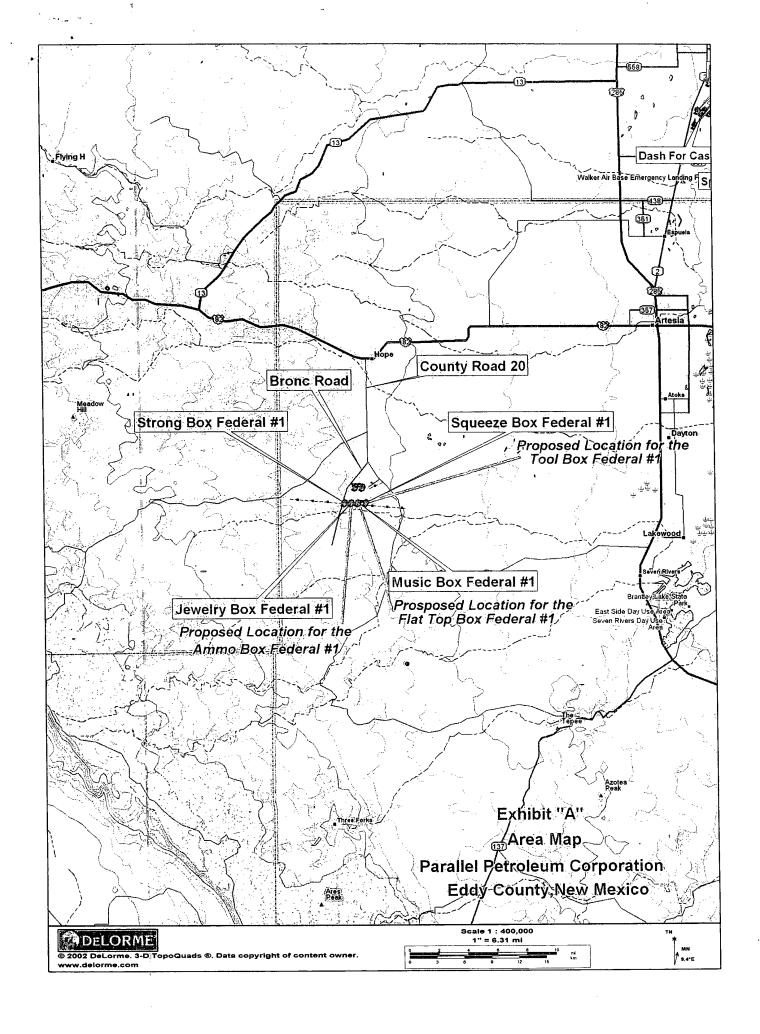
9. <u>ABNORMAL CONDITIONS, PRESSURES, TEMPERATURES & POTENTIAL HAZARDS</u>

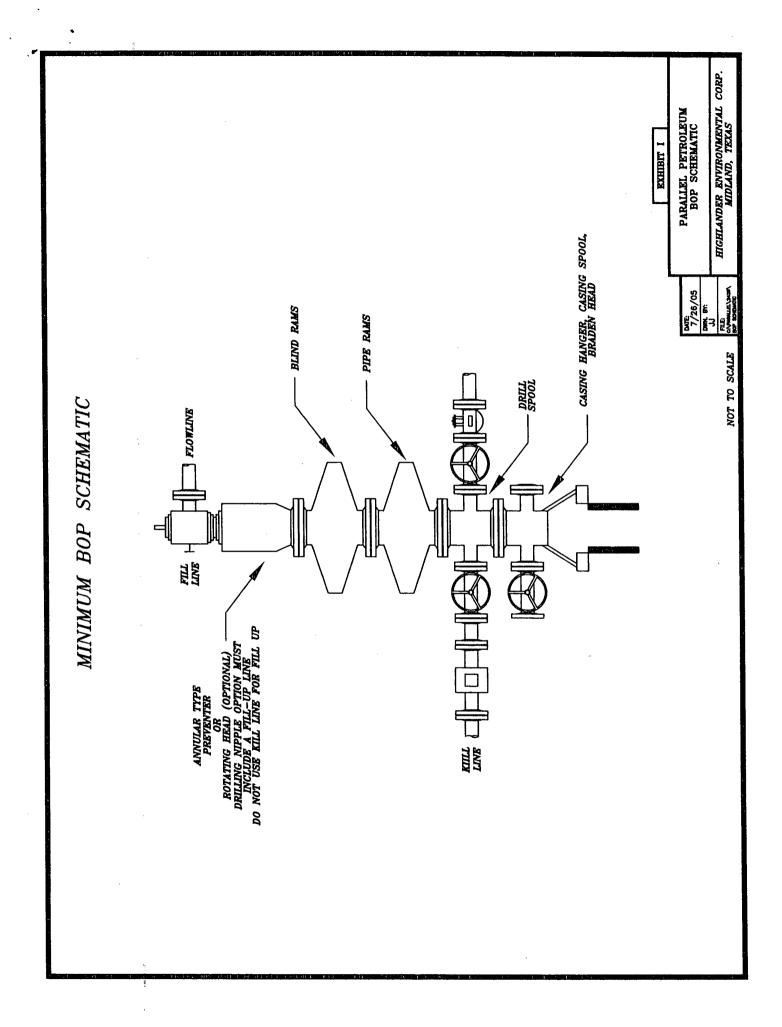
None anticipated.

BHP expected to be 1,100 psi.

10. <u>ANTICIPATED STARTING DATE:</u>

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





HIGHLANDER ENVIRONMENTAL CORP. MIDLAND, TEXAS PARALLEL PETROLEUM CHOKE MANIFOLD PANIC LINE TO PIT 3" NOMINAL EXHIBIT 3 2" NOMINAL 3 2" NOMINAL CHOKE ISOLATION VALVE REQUIRED FOR MMS OPTIONAL FOR NON MMS APPLICATIONS CHOKE ISOLATION VALVE REQUIRED FOR MMS OPTIONAL FOR NON MMS APPLICATIONS DATE: 8/17/05 DWN, BY: JJ FRE: CYMMULALYSKEN, CHOSE MARKED. NOT TO SCALE CHOKE MANIFOLD 5M SERVICE MANUAL ADJUSTABLE CHOKE (OR POSITIVE) MANUAL ADJUSTABLE CHOKE 3" NOMINAL CHOKE HCR (OPTIONAL) MANUAL VALVE OK BOP OUTLET

| 11 | PET | AR | A L | LE | | IRVEY C | ALCUL | ATION | I PROGR | AM | |
|------------|---------|--------|-------------|------------|--------------|-------------|------------|------------------|----------------------|------------|-----------|
| OPER | ATOR: | | | etroleum (| | on | Superviso | rs: | | | |
| WELL | | | Flat Top I | Box Federa | al #1 | | | | | | |
| SURF | LOCA | TION: | 300 FSL, | 1762 FWL | Sec. 12 1 | 「-19-S R-21 | - | | | | |
| BH LO | CATIC | N: | 660 FSL, | 1760 FWL | Sec. 13 1 | r-19-S R-21 | £ | | | | |
| | | | COMN | ENTS: | | | | | | | |
| | | | | | | | | ى <u>نىنىنىن</u> | EC.(-/+) | | |
| | | | | | | | | | ORR.(-/+) | | |
| | | ~~~ | · | ····· | | | | TOTAL | CORR.(-/+) | 0. | 0 |
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| MINIMU | JM CURV | /ATURE | CALCULATIO | NS(SPE-336 | 2) Pf | ROPOSEDI | DIRECTION | 180.0 | TARGET T TO CE | C.T.C.T.L. | 13.7.7.T. |
| SVY MUM | MD | INC | GRID AZM | TVD | VERT SECT | N-S | E-W | DLS/ 100 | ABOVE(+) BELOW(-) | | |
| TIE | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | | |
| 1 : | 3403 | 0.0 | 0.0 | 3403.0 | 0.0 | 0.0 | 0.0 | 0.0 | 990.0 | 0. | .0 |
| 2 | 3433 | 1.5 | 180.0 | 3433.0 | 0.4 | -0.4 | 0.0 | 5.0 | 960.0 | 0. | .0 |
| 3 | 3463 | 3.0 | 180.0 | 3463.0 | 1.6 | -1.6 | 0.0 | 5.0 | 930.0 | 0. | .0 |
| 4 | 4958 | 89.6 | 180.0 | 4400.3 | 982.4 | -982.4 | 0.0 | 5.8 | -0.4 | 0. | .0 |
| 5 | 8895 | 89.6 | 180.0 | 4427.8 | 4919.3 | -4919.3 | 0.0 | 0.0 | -0.4 | 0. | .0 |

KOP @ 3403' MD BUR = 5 DEG per 100 FT End Curve @ 4958' MD, 4400.3' TVD BHL @ 8895' MD, 4427.8' TVD, 4919.3' VS

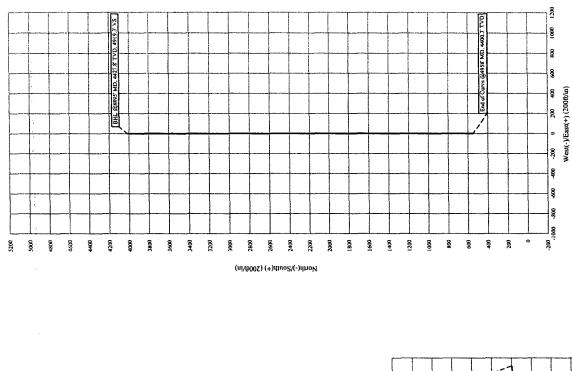
Exhibit L

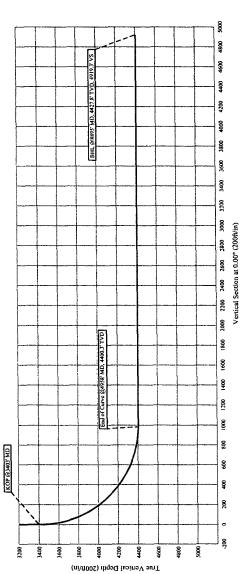
Parallel Petroleum Corp.

Flat Top Box Federal #1 Section 12, T 19-S, R 21-E Eddy County, New Mexico

COMPANY DETAILS

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







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

November 9, 2005

Mr. Bryan Arrant State Of New Mexico, Oil Conservation Division 1301 W. Grand Ave. Artesia, New Mexico 88210

Re: Hydrogen Sulfide Potential

Parallel Petroleum Corporation, Box Area wells,

T-19-S, R-21-E

Eddy County, New Mexico

Dear Mr. Arrant;

The Box Top Federal 19 21-1 #1 site which is being drilled seven miles south of Hope, New Mexico was reviewed for its potential for hydrogen sulfide. Mr. John Simitz, Geologist for the Bureau of Land Management, Roswell, New Mexico reviewed the site and stated that no potential for gas was found a Morrow test in this area. Based on this information we believe the potential H₂S at well locations in this area are negligible.

Should you need additional information regarding this issue, please contact me at the address or phone number listed above or my email address at ddurham@plll.com.

Sincerely,

Deane Durham

Engineer

CONDITIONS OF APPROVAL - DRILLING

Operator's Name: Parallel Petroleum Corporation Well Name & No: Flat Top Box Federal No. 01

Location: Surface 300' FSL & 1760' FWL, Sec. 12, T. 19 S. R. 21 E.

Lease: NMNM 103570 Eddy County, New Mexico

Location Bottom Hole: 660' FSL & 1760' FWL, Sec. 13, T.19S., R.21E.

I. DRILLING OPERATIONS REQUIREMENTS:

- 1. The Bureau of Land Management (BLM) is to be notified at the Roswell Field Office, 2909 West Second St., Roswell, NM 88201, (505) 627-0272 for wells in Chaves and Roosevelt Counties; the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (505) 361-2822 for wells in Eddy County; and the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (505) 393-3612 for wells in Lea County, in sufficient time for a representative to witness:
- A. Spudding
- B. Cementing casing: 8 % inch; 5 ½ inch;
- C. BOP Tests
- 2. A Hydrogen Sulfide (H2S) Drilling Plan is not required for this well bore.
- 3. 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.
- 4. Submit a Sundry Notice (Form 3160-5, one original and five copies) for each casing string, describing the casing and cementing operations. Include pertinent information such as; spud date, hole size, casing (size, weight, grade and thread type), cement (type, quantity and top), water zones and problems or hazards encountered. The Sundry shall be submitted within 15 days of completion of each casing string. The reports may be combined into the same Sundry if they fall within the same 15 day time frame.
- 5. The API No. assigned to the well by NMOCD shall be included on the subsequent report of setting the first casing string.

II. CASING:

- 1. The 8 ½ inch shall be set at 1300 Feet with cement circulated to the surface. If cement does not circulate to the surface the appropriate BLM office shall be notified and a temperature survey or cement bond log shall be run to verify the top of the cement. Remedial cementing shall be completed prior to drilling out that string.
- 2. The minimum required fill of cement behind the 5 ½ inch Production casing is to circulate to surface.

III. PRESSURE CONTROL:

- 1. All BOP systems and related equipment shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2. The BOP and related equipment shall be installed and operational before drilling below the 13 % inch casing shoe and shall be tested as described in Onshore Order No. 2. Any equipment failing to test satisfactorily shall be repaired or replaced.
- 2. Minimum working pressure of the blowout preventer and related equipment (BOPE) shall be 2 M psi.

(III Cont):

- 3. The appropriate BLM office shall be notified in sufficient time for a representative to witness the test.
- -The test shall be done by an independent service company
- -The results of the test shall be reported to the appropriate BLM office.
- -Testing fluid must be water or an appropriate clear liquid suitable for sub-freezing temperatures.
- -Use of drilling mud for testing is not permitted since it can mask small leaks.
- -Testing must be done in safe workman-like manner. Hard line connections shall be required.
- -Both low pressure and high pressure testing of BOPE is required.

G. Gourley RFO 05/23/06