

N.M. Oil Cons. DIV-Dist. 2  
1301 W. Grand Avenue  
Artesia, NM 88210

Form 3160-3  
(September 2001)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

JUN 18 2004

PO BOX ARTESIA

FORM APPROVED  
OMB No. 1004-0136  
Expires January 31, 2004

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. LC-065928-A	
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name	
2. Name of Operator GP II ENERGY, INC		7. If Unit or CA Agreement, Name and No.	
3a. Address PO Box 50682, MIDLAND, TX 79710		8. Lease Name and Well No. LITTLEFIELD FED' 30' # 6	
3b. Phone No. (include area code) 432-684-4748		9. API Well No. 30-015-33623	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface At proposed prod. zone 2150' FWL, 423' FSL (VERT)		10. Field and Pool, or Exploratory UNDES. BRUSHY DRAW DEL.	
11. Sec., T., R., M., or Blk. and Survey or Area SEC 34, T26S, R29E		12. County or Parish EDDY	
13. State NM		14. Distance in miles and direction from nearest town or post office* 16 AIR MILES SOUTH-SOUTHEAST OF MAGA, NM	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 423' FSL		16. No. of Acres in lease 419.41	
17. Spacing Unit dedicated to this well 24.36 ACRES		18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1330'	
19. Proposed Depth 5100'		20. BLM/BIA Bond No. on file NM-1913	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 2858 GL CARLSBAD CONTROLLED WATER BASIN		22. Approximate date work will start* UPON APPROVAL	
23. Estimated duration 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:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature <i>George P. Mitchell Jr</i>	Name (Printed/Typed) George P. Mitchell Jr	Date 12-22-03
Title President		
Approved by (Signature) /s/ Leslie A. Theiss	Name (Printed/Typed) /s/ Leslie A. Theiss	Date 16 JUN 2004
Title FIELD MANAGER	Office CARLSBAD FIELD OFFICE	

Application approval does not warrant or certify the 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.

APPROVAL FOR 1 YEAR

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 reverse)

NSP - 1869

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS  
AND SPECIAL STIPULATIONS  
ATTACHED

Witness Surface Casing

**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, and Natural Resources Department

**OIL CONSERVATION DIVISION**

1220 South St. Francis Dr.

Santa Fe, New Mexico 87505

Form C-102

Revised August 15, 2000

Submit to Appropriate District Office

State Lease - 4 copies

Fee Lease - 3 copies

☐ AMENDED REPORT**WELL LOCATION AND ACREAGE DEDICATION PLAT**

<sup>1</sup> API Number	<sup>2</sup> Pool Code	<sup>3</sup> Pool Name
<sup>4</sup> Property Code	<sup>5</sup> Property Name LITTLEFIELD FEDERAL "BO"	<sup>6</sup> Well Number 6
<sup>7</sup> OGRID No.	<sup>8</sup> Operator Name GP II ENERGY, INC.	<sup>9</sup> Elevation 2858'

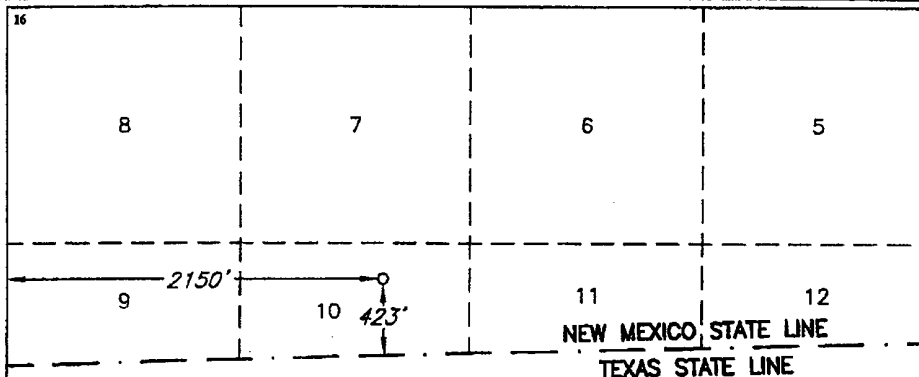
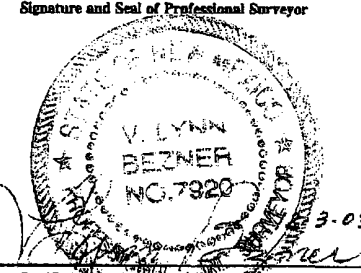
**<sup>10</sup> Surface Location**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
10	34	26 SOUTH	29 EAST, N.M.P.M.		423'	SOUTH	2150'	WEST	EDDY

**<sup>11</sup> 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
<sup>12</sup> Dedicated Acres 24.54	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.						

NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<b><sup>16</sup></b>									
									
<b><sup>17</sup> OPERATOR CERTIFICATION</b>									
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.									
Signature: <i>Joe L Compton</i>									
Printed Name: JOE L COMPTON									
Title: AGENT									
Date: June 16, 2004									
<b><sup>18</sup> SURVEYOR CERTIFICATION</b>									
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.									
NOVEMBER 26, 2003									
Date of Survey									
Signature and Seal of Professional Surveyor									
									
Certificate Number: V. L. BEZNER R.P.S. #7920									
JOB #91662 / 23 SW / J.C.P.									

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

Form C-144  
June 1, 2004

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  
office

**Pit or Below-Grade Tank Registration or Closure**

Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐

Type of action: Registration of a pit or below-grade tank ☒ Closure of a pit or below-grade tank ☐

Operator: GP II Energy, Inc. Telephone: 432 - 684 - 4748 e-mail address: \_\_\_\_\_  
Address: P.O.Box 50682 Midland TX 79710  
Facility or well name: Littlefield "BO" #6 API #: \_\_\_\_\_ U/L or Qtr/Qtr Lot 10 Sec 34 T 26S R 29E  
County: Eddy Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ NAD: 1927 ☐ 1983 ☐ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

**Pit**

Type: Drilling ☒ Production ☐ Disposal ☐

Workover ☐ Emergency ☐

Lined ☒ Unlined ☐

Liner type: Synthetic ☒ Thickness 12 mil Clay ☐

Pit Volume 7124 bbl

**Below-grade tank**

Volume: \_\_\_\_\_ bbl Type of fluid: \_\_\_\_\_

Construction material: \_\_\_\_\_

Double-walled, with leak detection? Yes ☐ If not, explain why not. \_\_\_\_\_

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)

Less than 50 feet

(20 points)

50 feet or more, but less than 100 feet

(10 points)

100 feet or more ☒

(0 points)

Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)

Yes

(20 points)

No ☒

(0 points)

Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)

Less than 200 feet

(20 points)

200 feet or more, but less than 1000 feet

(10 points)

1000 feet or more ☒

(0 points)

**Ranking Score (Total Points)**

**0 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 you are burying in place) onsite ☐ offsite ☐ 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 ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Date: September 7, 2004

Printed Name/Title Joe L. Compton / Agent

Signature Joe L. Compton

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 regulations.

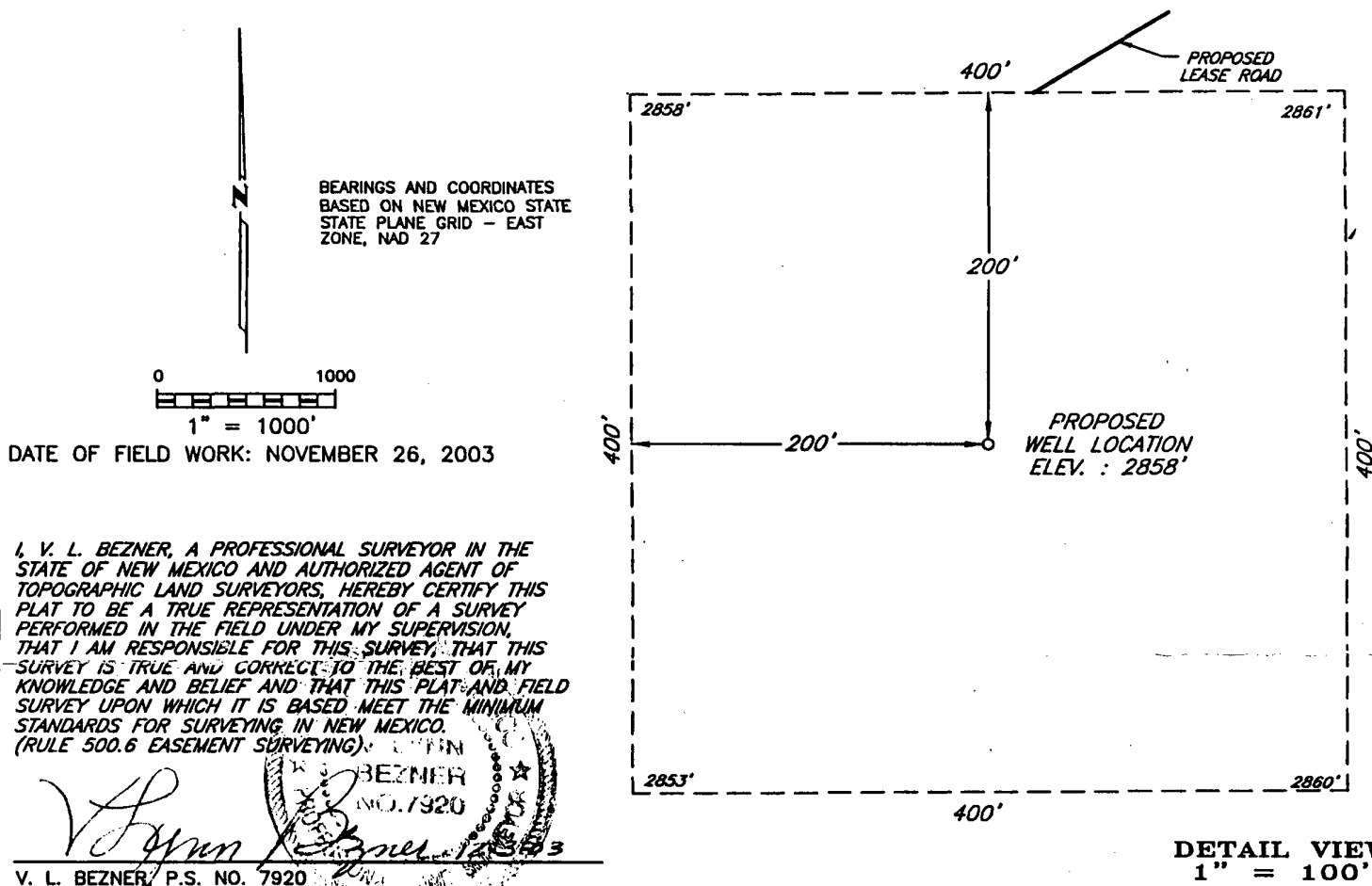
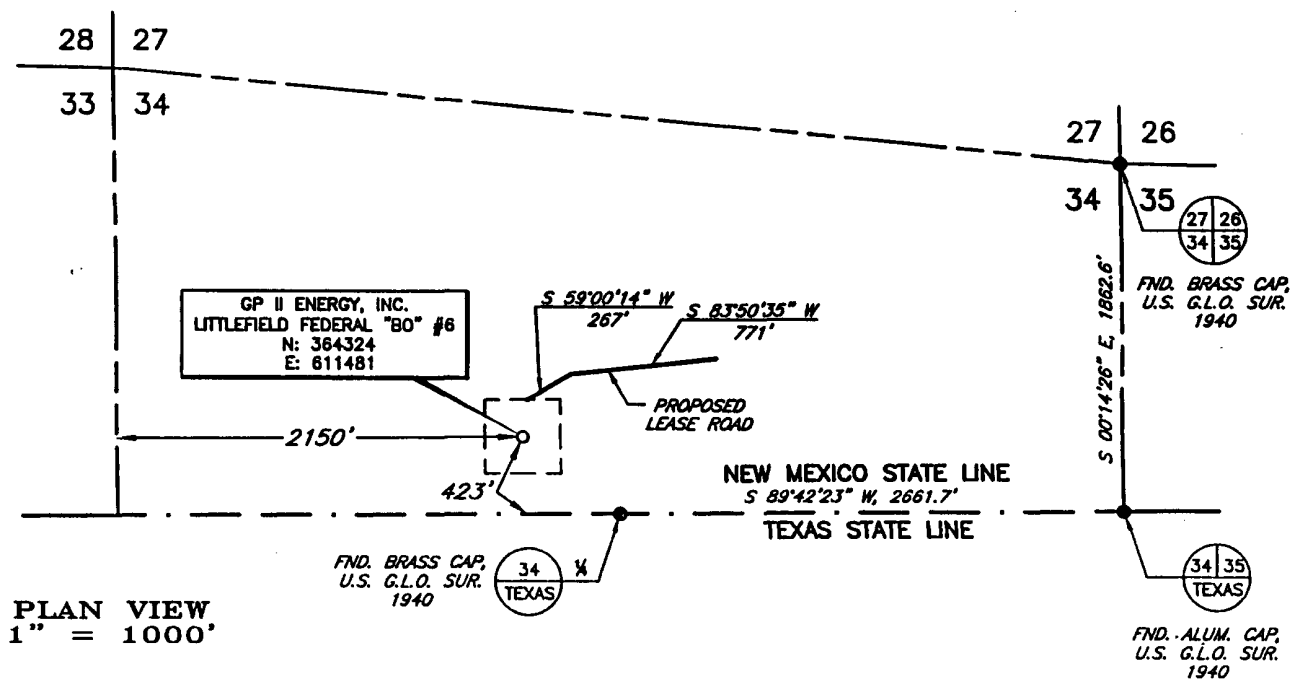
Approval:

Printed Name/Title Field Rep ID

Signature [Signature]

Date: SEP 10 2004

PLAT SHOWING PROPOSED  
WELL LOCATION AND LEASE ROAD IN  
SECTION 34, T-26-S, R-29-E, N.M.P.M.  
EDDY COUNTY, NEW MEXICO

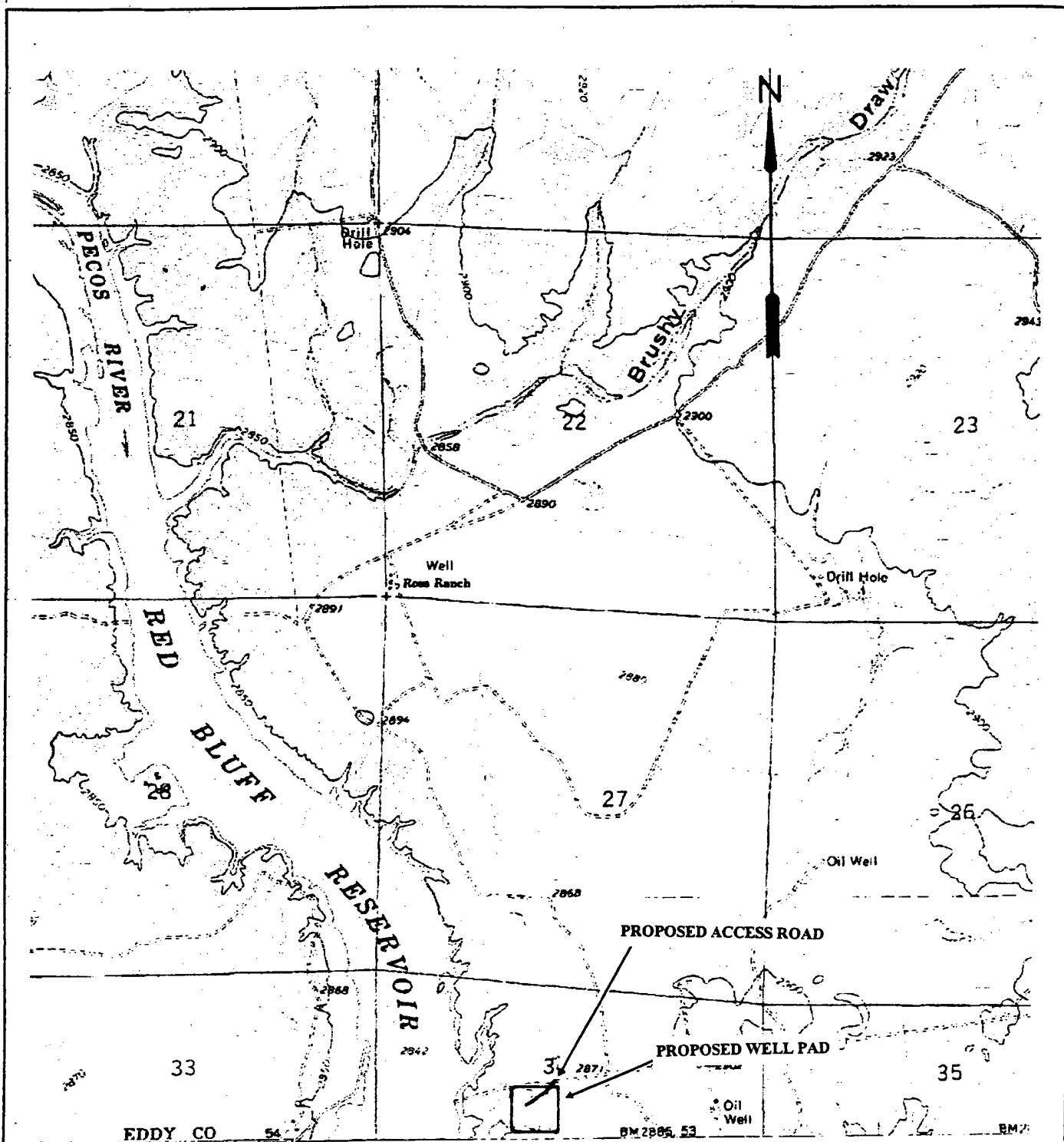


GP II ENERGY, INC.

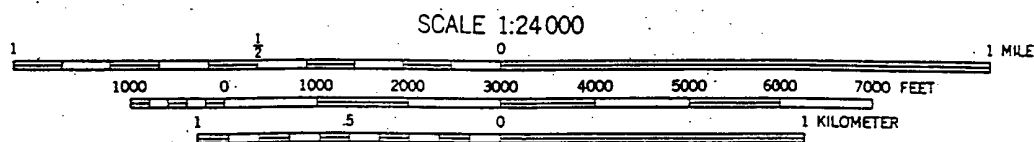
NO.	REVISION	DATE	BY

SURVEYING AND MAPPING BY  
TOPOGRAPHIC LAND SURVEYORS  
MIDLAND, TEXAS

SCALE: 1" = 1000'
DATE: NOVEMBER 26, 2003
JOB NO.: 91662-F
QUAD NO.: 23 SW
SHEET: 1 OF 1



Location Map: Class III Archaeological Survey for GP II Energy, Inc.'s Proposed Well Pad and Access Road to Serve Littlefield Federal "BO" No.6 Well in Section 34, T 26S, R 29E, NMPM, Eddy County, New Mexico. Map Reference: USGS 7.5' Series, Ross Ranch, NM (1968) 32103-A8



DRILLING PLAN  
GP II ENERGY, INC.  
LITTLEFIELD FEDERAL "BO" #6  
Sec. 34, T26S, R29E  
Eddy County, New Mexico

1. SURFACE FORMATION: Quaternary

2. ESTIMATED GEOLOGIC TOPS:

Bell Canyon 2850  
Ramsey Sand 2880  
Cherry Canyon 3920  
Brushy Canyon 4995

3. ANTICIPATED HYDROCARBON BEARING ZONES:

Delaware Sand (oil)  
Cherry Canyon (oil)

4. PROPOSED CASING AND CEMENTING PROGRAM:

CASING SIZE	FROM	TO	WEIGHT	GRADE	JOINT
8 5/8" WITNESS	0	375'	24#	K-55	STC
4 1/2"	0	5100	9.5#	K-55	STC
or					
5 1/2"	0	5100'	14#	K-55	STC

Production casing will be either 4 1/2" OD or 5 1/2" OD depending on shows encountered while drilling.

8 5/8" casing will be cemented with approximately 150 sacks of Class "C" with 2% CaCl. Cement will be circulated. WITNESS

5 1/2" casing will be cemented with sufficient Light cement, tailed in with 200 sacks of POZMIX A, to fill back to the base of the salt section at approximately 2675'.

5. PRESSURE CONTROL EQUIPMENT:

A 3000 psi working pressure, double ram blow out preventer will be used while drilling below the surface casing. (see Exhibit "E")

6. CIRCULATING MEDIUM:

Surface to 375 feet:

Fresh water with lime or gel as needed to maintain a viscosity of 28 to 30.

375 feet to 4800 feet:

Brine conditioned to control seepage, pH, and maintain a viscosity of 28 to 32.

4800 feet to 5100 feet:

Brine conditioned to control seepage, pH, and maintain a viscosity of 35 to 40.

7. AUXILIARY EQUIPMENT:

Drill string safety valves will be maintained on the rig floor while drilling operations are in progress.

8. TESTING, LOGGING, AND CORING PROGRAMS:

No drillstem tests are planned.

Electric logs will include GR-CNL-FDC GR-DLL with MSFL.

No coring is planned.

9. ABNORMAL PRESSURES, TEMPERATURE, OR HYDROGEN SULFIDE GAS:

No abnormal pressures or temperatures are anticipated.

10. ANTICIPATED START DATE:

The well is anticipated to commence on or about February 1, 2004 with drilling, completion, and testing operations to last about 30 days.

SURFACE USE AND OPERATIONS PLAN  
GP II ENERGY, INC.  
LITTLEFIELD FEDERAL "BO" #6  
Sec. 34, T26S, R29E  
Eddy County, New Mexico

LOCATED: 16 air miles south-southeast of Malaga, NM

FEDERAL LEASE NUMBER: LC-065928-A

DATE OF ISSUE: Lease issued July 1, 1951

LEASE AREA: 419.41 Acres

SURFACE OWNERSHIP: Federal

POOL DESIGNATION: Brushy Draw Delaware

POOL RULES: Statewide - 40 Acre spacing for oil

EXHIBITS:

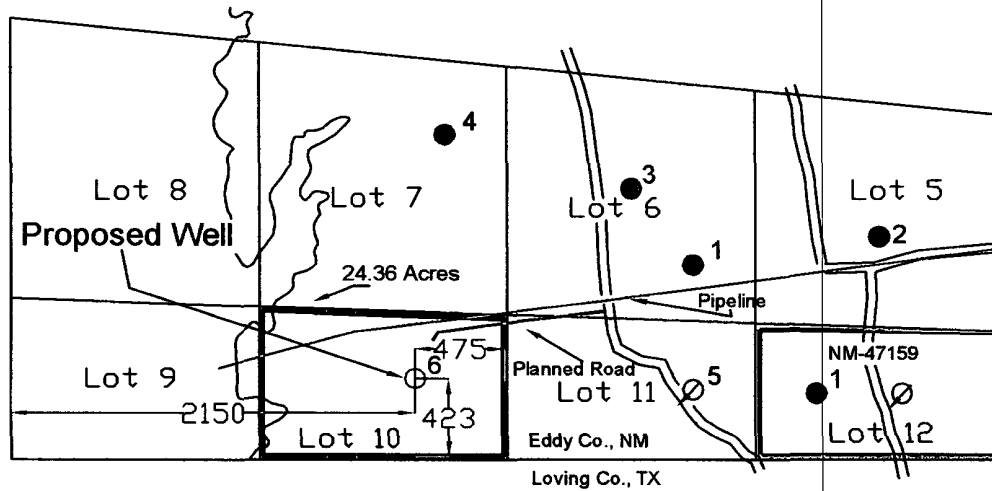
- A. Road Map
- B. Plat with existing wells and roads
- C. Drilling Rig Layout
- D. Topographic Plat
- E. BOP Arrangement

EXISTING ROADS:

- A. Exhibit "A" depicts the road map and shows the location of the proposed well as staked. Point "A" on the plat is on US 285 at milepost 3.8, approximately 12 miles south of Malaga, New Mexico, where a paved road goes east. Exit US 285 at this point and go east 3.7 miles to the Pecos River low water crossing. Cross the river and continue southerly on Eddy County 725 for 3.4 miles where the county road turns east. Continue south 0.1 miles to a caliche road. Turn west and continue 1.4 miles to a pumping well on the east side of the road. Continue south 0.7 miles, just past the GP II Federal Littlefield BO #3, where a pipeline crosses the road; the proposed well site is about 1100 feet west of this point.
- B. Exhibit "B" shows existing pertinent roads in the vicinity of the proposed well site. The planned access road is color coded.







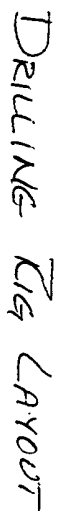
GP II Energy, Inc.  
 Oil & Gas Lease LC-065928-A  
 Sec. 34, T26S, R29E  
 Eddy County, New Mexico

- Oil Well
- ⊙ Disposal Well
- Proposed Well



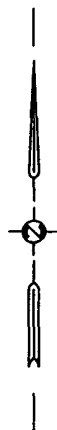
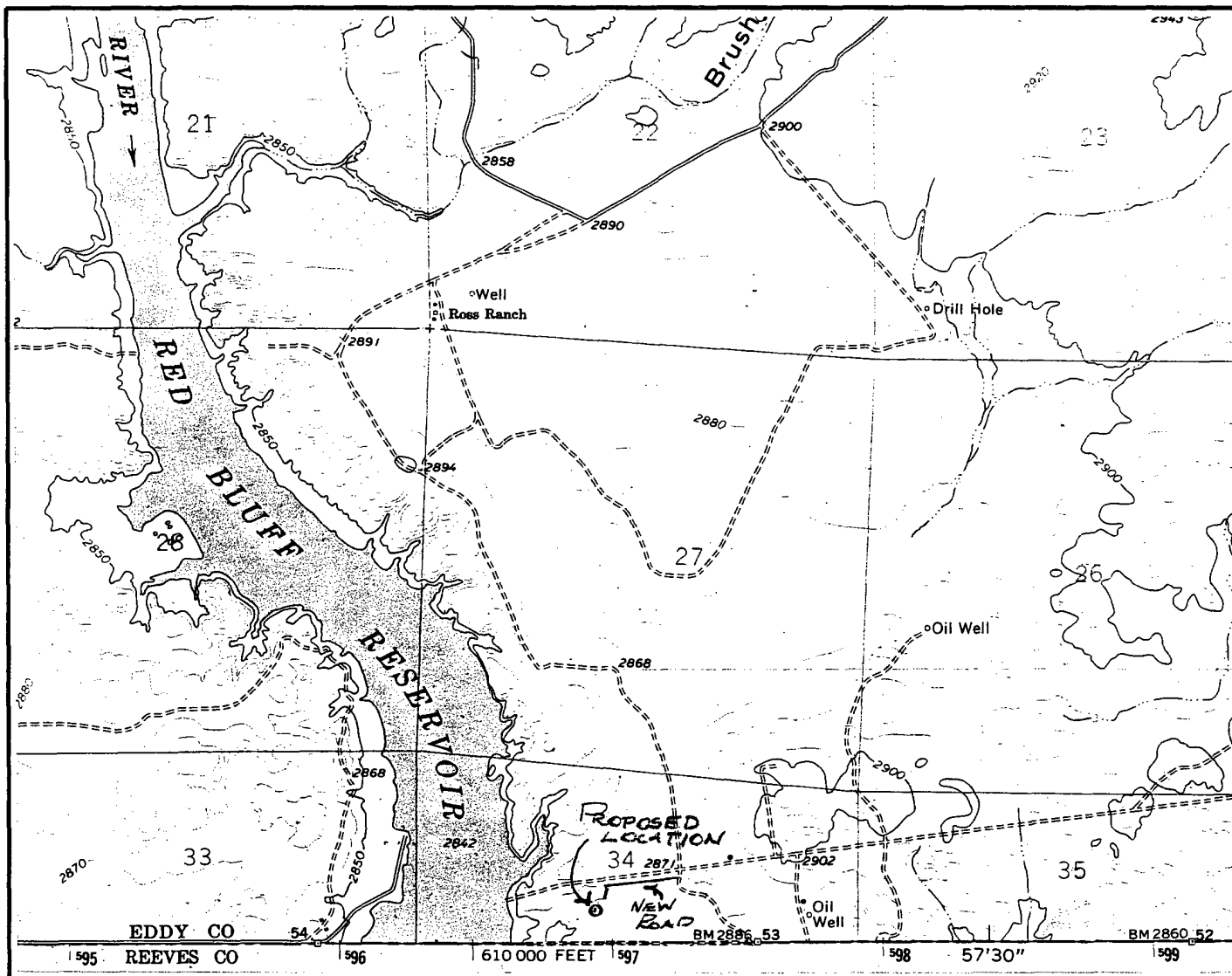
EXHIBIT "B"

APPLICATION FOR NON STANDARD PRORATION UNIT  
 LITTLEFIELD FEDERAL "BO" #6  
 2150' FWL & 423' FSL SEC. 34, T26S, R29E  
 EDDY COUNTY, NM



U.S. DEPARTMENT OF JUSTICE  
FEDERAL BUREAU OF INVESTIGATION

ROD-RIC DRILLING -- RIG 9 OR 10

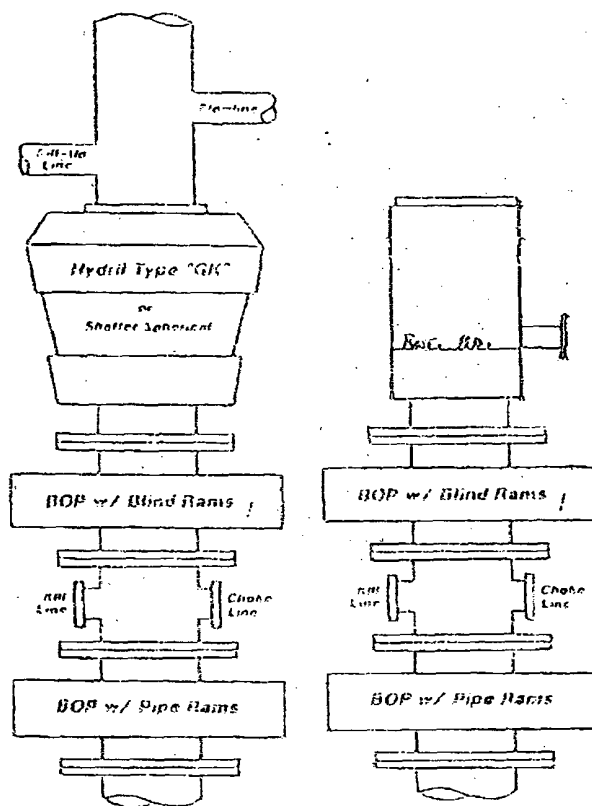


# EXHIBIT "D"

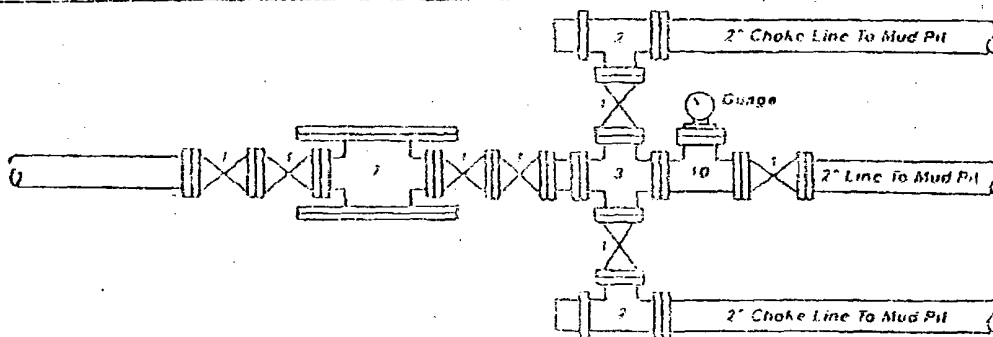
## TOPOGRAPHIC PLAT

LITTLEFIELD FEDERAL "BO" #6  
 2150' FWL & 423' FSL SEC. 34, T26S, R29E  
 EDDY COUNTY, NM

BLOWOUT PREVENTER - 3000 psi



A 1" valve will be installed on the closing line to the Hydril  
This valve will be on a short nipple next to the Hydril  
The closing line must be equipped w/ a 1"-3000 psi plug  
valve on the nipple into the Hydril.



Legend

1. 2" flanged all steel valve must be either Cameron 1" Mathurton Low Torque, or Shafter Flo-Seal
2. 2" flanged adjustable chokes, run 1" full opening & equipped w/ hard trim.
3. 4" x 2" flanged steel cross
4. 4" flanged steel tee
5. 4" flanged all steel valve (Type as in no. 1)
6. Drilling spool w/ 2" x 4" flanged steel outlet
7. Drilling spool w/ 2" x 2" flanged outlet
8. 2" x 2" flanged steel cross
9. 4" pressure contained gate valve
10. 2" flanged steel tee

EXHIBIT E

BOP ARRANGEMENT  
ROD-RIC DRILLING - RIG 9 OR 10



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON**

Governor

**Joanna Prukop**

Cabinet Secretary

**GP II Energy, Inc.**

**P. O. Box 50682**

**Midland, Texas 79710**

**Attention: Joe L. Compton**

**January 30, 2004**

**Lori Wrotenberg**

Director

**Oil Conservation Division**

**RECEIVED**

**FEB 23 2004**

**OCD-ARTESIA**

*Administrative Order NSP-1869*

Dear Mr. Compton:

Reference is made to the following: (i) your application dated December 18, 2003 (*administrative application reference No. pLR0-336532092*), which was received by the New Mexico Oil Conservation Division ("Division") in Santa Fe on December 30, 2003; and (ii) the Division's records in Santa Fe: all concerning GP II Energy, Inc.'s request for a non-standard 24.54-acre oil spacing and proration unit consisting of the following acreage in the Undesignated Brushy Draw-Delaware Pool (8080):

**EDDY COUNTY, NEW MEXICO**  
**TOWNSHIP 26 SOUTH, RANGE 29 EAST, NMPM**  
**Irregular Section 34: Lot 10.**

This application has been duly filed under the provisions of Division Rule 104.D (2), revised by Division Order No. R-11231, issued by the New Mexico Oil Conservation Commission in Case No. 12119 on August 12, 1999.

It is our understanding this unit is to be dedicated to GP II Energy Inc.'s proposed Littlefield "BO" Federal Well No. 6 to be drilled at a standard oil well location 423 feet from the South line and 2150 feet from the West line of irregular Section 34.

By the authority granted me under the provisions of Division Rule 104.D (2) (b), as revised, the above-described 24.54-acre non-standard Delaware oil spacing and proration unit is hereby approved. Further, in accordance with Division Rule 104.G (1), as revised, GP II Energy, Inc. is permitted to produce the allowable assigned this 24.54-acre unit (0.614 acreage factor) from this well.

Sincerely,

Lori Wrotenberg  
Director

LW/mes

cc: New Mexico Oil Conservation Division - Artesia  
U. S. Bureau of Land Management - Carlsbad