

OCD-HOBBS

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

E-10

EC

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NMLC065194
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator DEVON ENERGY PRODUCTION CO LP		7. If Unit or CA Agreement, Name and No.
Contact: KAREN COTTOM E-Mail: karen.cottom@dvn.com		8. Lease Name and Well No. BRADLEY A 1
3a. Address 20 NORTH BROADWAY, SUITE 1500 OKLAHOMA CITY, OK 73102	3b. Phone No. (include area code) Ph: 405.228.7512 Fx: 405.552.4621	9. API Well No. 30-025-21168
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SENW 1980FNL 1650FWL At proposed prod. zone SENW 1980FNL 1650FWL		10. Field and Pool, or Exploratory UNKNOWN Bell Lake Morrow So.
14. Distance in miles and direction from nearest town or post office* 20 MILES WEST OF JAL NEW MEXICO		11. Sec., T., R., M., or Bk. and Survey or Area Sec 19 T23S R34E Mer NMP
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 990	16. No. of Acres in Lease 1066.85	12. County or Parish LEA
17. Spacing Unit dedicated to this well 320.00	18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.	13. State NM
19. Proposed Depth 11800 MD	20. BLM/BIA Bond No. on file	
21. Elevations (Show whether DF, KB, RT, GL, etc.) 3554 GL	22. Approximate date work will start 02/24/2003	23. Estimated duration 12 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 (Electronic Submission)	Name (Printed/Typed) KAREN COTTOM	Date 02/07/2003
Title ENGINEERING TECHNICIAN		
Approved by (Signature) /S/ JOE G. LARA	Name (Printed/Typed) /S/ JOE G. LARA	Date
Title FIELD MANAGER	Office CARLSBAD FIELD OFFICE	

Application approval does not warrant or certify 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.

Additional Operator Remarks (see next page)

OPR. GRID NO. 6137 Electronic Submission #18421 verified by the BLM Well Information System  
PROPERTY NO. 32111 For DEVON ENERGY PRODUCTION CO LP, sent to the Hobbs  
POOL CODE 71960 Committed to AFMSS for processing by Linda Askwig on 02/10/2003 (03LA0077AE)  
EFF. DATE 3-17-03  
API NO. 30-025-21168

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\*

KZMJP

**Additional Operator Remarks:**

Devon proposes to re-enter and clean out this P&A'd well down to 11,800' to test the mechanical integrity of the wellbore. Should the wellbore prove to be mechanically sound it is anticipated that the wellbore may be utilized for a possible sidetrack to further test and produce the Morrow interval.

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**REENTRY PROGRAM**

Attached to Form 3160-3  
 Devon Energy Production Company, LP  
 Bradley A #1  
 1980' FNL & 1650' FWL  
 Section 19-T23S R34E  
 Lea County, New Mexico

1. Geologic Name of Surface Formation

Alluvium

2. Tops of Important Geologic Markers:

Ramsey	5,104'
Bone Spring	8,599'
Wolfcamp	11,738'
Atoka	12,410'
Morrow	12,920'
Mississippi	14,114'
Woodford Shale	14,511'
Devonian	14,472'
TD	14,920'

3. Estimated Depth of Anticipated Fresh Water, Oil or Gas:

Water	None expected
Oil	Bone Spring @ 9100' (behind pipe)
Gas	Morrow @ 12,930'

4. Casing Program:

<u>Hole Size</u>	<u>Interval</u>	<u>Csg. OD</u>	<u>Weight, Grade, Type</u>
26"	0-517'	20"	79.6# - existing string
17 1/2"	0-5805'	13 3/8"	72#, 68#, 61# - existing string
12 1/4"	0-12172'	9 5/8"	43.5#, 40# - existing string

Drilling Liner	12070' - 14325'	7-5/8"	existing string
Production Liner	11918' - 14930'	5-1/2"	existing string

Cement Program:

20" Surface Casing:	Cemented w/1155 sx Class "A". Circulated to surface.
13-3/8" Intermediate Casing:	Cemented w/3550 sx Class "C". Circulated to surface.
9 5/8" Intermediate Casing:	Cemented w/2664 sx Class "E". TOC @ 4200 (CBL).
7-5/8" Drilling Liner:	Cemented w/600 sx.
5-1/2" Production Liner:	Cement with 315 sx.

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100

5. Operations Plan – This well was plugged in 1978. A wellbore schematic showing the method of plugging is attached as Exhibit A. The purpose of the following work is to reenter this plugged well to a depth of 10,800' to test the mechanical integrity of the wellbore. The reentry work covered under this APD will be performed with a workover rig.

Should the wellbore prove to be mechanically sound Devon may propose to utilize this wellbore for a sidetrack. A separate sundry to cover the sidetrack work will be submitted.

- a. Prep location, dig out original cellar, remove marker and surface plug and extend 13-3/8" casing to surface. Install 3M casing head.
  - b. MIRU workover rig and reverse unit.
  - c. RIH with 12-1/4" bit and drill out cement plugs to the top of the existing 9-5/8" casing stub at 4150'.
  - d. RIH with 8-3/4" bit and drill out cement plugs to 8650'. Clean out well down to top of cement plug at 11800'. Do not drill out this plug.
  - e. Pressure test casing to 500 psi. Based on the results of this test, a casing inspection log may be run.
  - f. If the casing tests successfully, run CBL and directional survey.
  - g. If it is determined that the well is not a suitable candidate for a sidetrack, the well will be plugged as follows: RIH with tubing and spot 50 sx cement from 8650' to 8550', spot 65 sx cement from 5900' to 5700', spot 70 sx cement from 4225' to 4075', spot 125 sx cement from 1300' to 1100'. Spot 30 sx cement from 50' to surface. Cut off casing and install dry hole marker.
6. Minimum Specifications for Pressure Control:
- a. The blowout preventor equipment (BOP) shown in Exhibit #1 will consist of a (3M system) double ram type preventor. The BOP will be hydraulically operated and it will be equipped with blind rams on top and 2-7/8" drill pipe rams on bottom. The BOP will be installed on the 13-3/8" casing and utilized continuously until the reentry work is completed. All BOP's and associated equipment will be function tested as per BLM Drilling Operations Order #2. Pipe rams will be operated and checked each 24-hour period and each time the drill pipe is out of the hole. These functional tests will be documented on the daily drillers log. A 2" kill line and 3" choke line will be incorporated in the drilling spool below the ram-type BOP. Other accessory BOP equipment will include a Upper safety valve, floor safety valve, choke lines and choke manifold having 3000 psi WP rating.
7. Types and Characteristics of the Proposed Mud System:
- a. Fresh water will be used to drill out the cement plugs. Polymer sweeps will be used as needed.
8. Auxiliary Well Control and Monitoring Equipment:
- a. A Full opening Safety Valve will be in the drill string at all times.
  - b. A full opening drill pipe stabbing valve having the appropriate connections will be on the rig floor at all times.
  - c. Hydrogen sulfide detection equipment will be in operation during this reentry work.
9. Logging, Testing and Coring Program:

- a. A casing inspection log, bond log and directional survey log may be run based on the results of the pressure test.

10. Abnormal Pressure, Temperatures and Potential Hazards:

- a. No abnormal pressures or temperatures are anticipated during the proposed operations. The Atoka, Morrow and Devonian zones have been produced or tested in this wellbore. These zones have been previously isolated with mechanical plugs and cement. The existing plugs below 11800' will not be disturbed by the proposed operations. All other potential hazards should be behind pipe, however, H<sub>2</sub>S monitoring equipment will be utilized during the reentry operations.

11. Anticipated Starting Date and Duration of Operations:

- a. The anticipated start date is approximately February 24, 2003. The reentry operations should require approximately 7 days. If the well is not deemed to be a suitable candidate for a sidetrack, the plugging operations outlined above would require an additional 5 days.

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SURFACE USE AND OPERATING PLAN

1. Existing Roads:
  - a. Exhibit E is a 7.5 minute topographic map that shows the location of the wellsite and roads in the vicinity. The location is situated approximately 20 miles West of Jal, New Mexico.
  - b. Direction to location: From the intersection of State Hwy 128 & CR 21, go North 5.5 miles and turn left to the location.
2. Access Road:
  - a. All access roads were built during the original drilling of the referenced well.
3. Location of Existing Wells:
  - a. Exhibit #4 shows all existing wells within a one-mile radius of the referenced well.
4. Location of Existing and/or Proposed Facilities:
  - a. The proposed operations will be contained to the original location that was constructed when the well was originally drilled and completed.
5. Location and Type of Water Supply:
  - a. It is planned to clean out the well with a fresh water system. Water will be hauled to the location by truck over existing roads and will be obtained from commercial sources.
6. Methods of Handling Water Disposal:
  - a. Drill cuttings will be disposed into the reserve pit.
  - b. Drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry.
  - c. Water produced during operations will be either placed in the reserve pits and allowed to evaporate or collected in tanks until hauled to an approved disposal system or a separate disposal application will be submitted to the BLM for appropriate approval.
  - d. Oil produced during operations will be stored in tanks until sold.
  - e. Garbage, trash and waste paper produced during drilling operations will be collected in a contained trailer and disposed at an approved landfill. All waste material will be contained to prevent scattering by the wind. All water, fluids, salt or other chemicals will be disposed in the reserve pit. No toxic waste or hazardous chemicals will be generated by this operation.
  - f. All waste material will be removed within 30 days after the well is either completed or abandoned. The reserve pit will be completely fenced until it has dried. At the point the reserve pit is found sufficiently dry, it will be backfilled and reclaimed as outlined by the BLM specifications. Only the portion of the drilling pad used by the production equipment (pumping unit and tank battery) will remain in use. If the well is deemed non-commercial, only a dry hole marker will remain.
7. Ancillary Facilities:
  - a. No campsite or other facilities will be constructed as a result of this well.
8. Well Site Layout:

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- a. Exhibit G shows the dimensions of the well pad and reserve pit, and the location of major rig components.
- b. No permanent living facilities are planned, but temporary trailers may be on location throughout drilling operations.
- c. The reserve pit will be lined using plastic sheeting of 5-7 mil thickness.

9. Plans for Restoration of Surface:

- a. If it is determined that the well is not a suitable candidate for sidetracking, the location and road will be rehabilitated as recommended by the BLM. The reserve pit area will be broken out and leveled after drying to a condition where these efforts are feasible. The original topsoil will again be returned to the pad and contoured, as close as possible, to the original topography.
- b. The pit lining will be buried or hauled away in order to return the location and road to their pristine nature. All pits will be filled and location leveled, weather permitting, within 120 days after abandonment.

10. Surface Ownership:

- a. The well site is owned by the Bureau of Land Management.
- b. Access to the site uses existing roads.

11. Other Information:

- a. The wellsite and access route are located in a relatively flat area.
- b. No wildlife was observed but it is likely that deer, rabbits, coyotes and rodents traverse the area.

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12. Lessee's and Operator's Representative:

The Devon Energy Production Company, LP representatives responsible for assuring compliance of the surface use plan are:

Bill Greenlees  
Operations Engineering Advisor

Joe Handley  
Production Foreman

Devon Energy Production Company, LP  
20 North Broadway  
Ste 1500  
Oklahoma City, OK 73102

Devon Energy Production Company, LP  
2401 Pecos Avenue  
Artesia, NM 88210

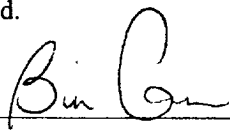
Phone:  
(405) 552-8194 Office  
(405) 203-7778 Mobile

(505) 748 5232 Mobile  
(505) 748-3371 Office  
(505) 748-5292 Home

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the well site and access road; that I am familiar with the conditions that 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 Devon Energy Production Company, LP and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Date: 2/7/03

Signed:   
Bill Greenlees  
Operation Engineering Advisor

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UNITED STATES DEPARTMENT OF THE INTERIOR  
Bureau of Land Management  
Roswell Field Office  
2909 West Second Street  
Roswell, New Mexico 88201-1287

Statement Accepting Responsibility for Operations

Operator Name: **Devon Energy Production Company, LP**  
Street or Box: **20 North Broadway, Suite 1500**  
City, State: **Oklahoma City, Oklahoma**  
Zip Code: **73102-8260**

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

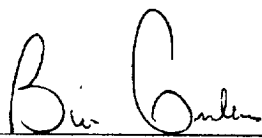
Lease No.: **NM-065194**

Legal Description of Land: **320 acres 19-T23S - R34E**

Formation(s): **Bell Lake (Morrow)**

Bond Coverage: **Nationwide**

BLM Bond File No.: **CO-1104**

Authorized Signature:   
**Bill Greenlees**

Title: **Operations Engineering Advisor**

Date: **2/4/03**

## 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 &amp; Natural Resources Department

## OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 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 30-025-21168	<sup>2</sup> Pool Code 71960	<sup>3</sup> Pool Name BELL LAKE MORROW SOUTH
<sup>4</sup> Property Code 32.111	<sup>5</sup> Property Name BRADLEY A	<sup>6</sup> Well Number #1
<sup>7</sup> OGRID No. 6137	<sup>8</sup> Operator Name DEVON ENERGY PRODUCTION COMPANY, LP	<sup>9</sup> Elevation 3554'

<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
F	19	23S	34E		1980	NORTH	1650	WEST	LEA

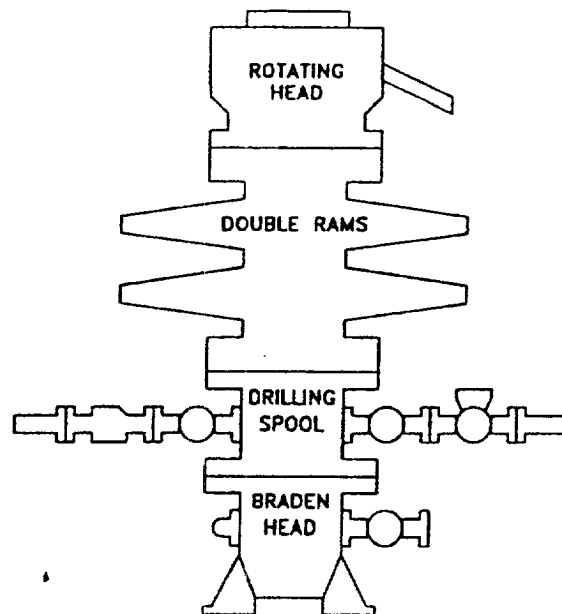
<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

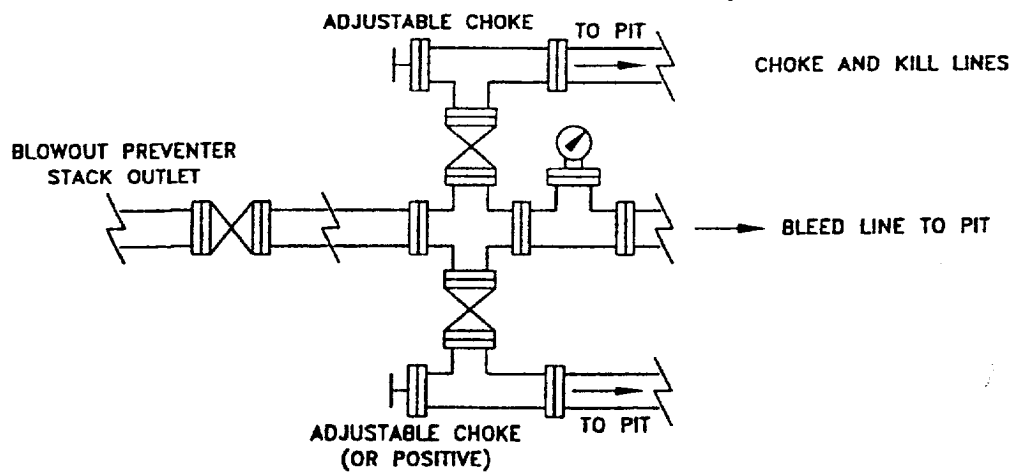
<sup>12</sup> Dedicated Acres 320	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<sup>16</sup>	<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature Bill Greenlees Printed Name Sr. Operations Engineer Advisor Title February 7, 2003 Date
	<sup>18</sup> SURVEYOR CERTIFICATION 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.
	Date of Survey Signature and Seal of Professional Surveyor:
	Certificate Number



# CHOKE MANIFOLD REQUIREMENT (3000 psi WP)



**devon**

BLAFT COUNTY, NEW MEXICO

SCHEMATIC

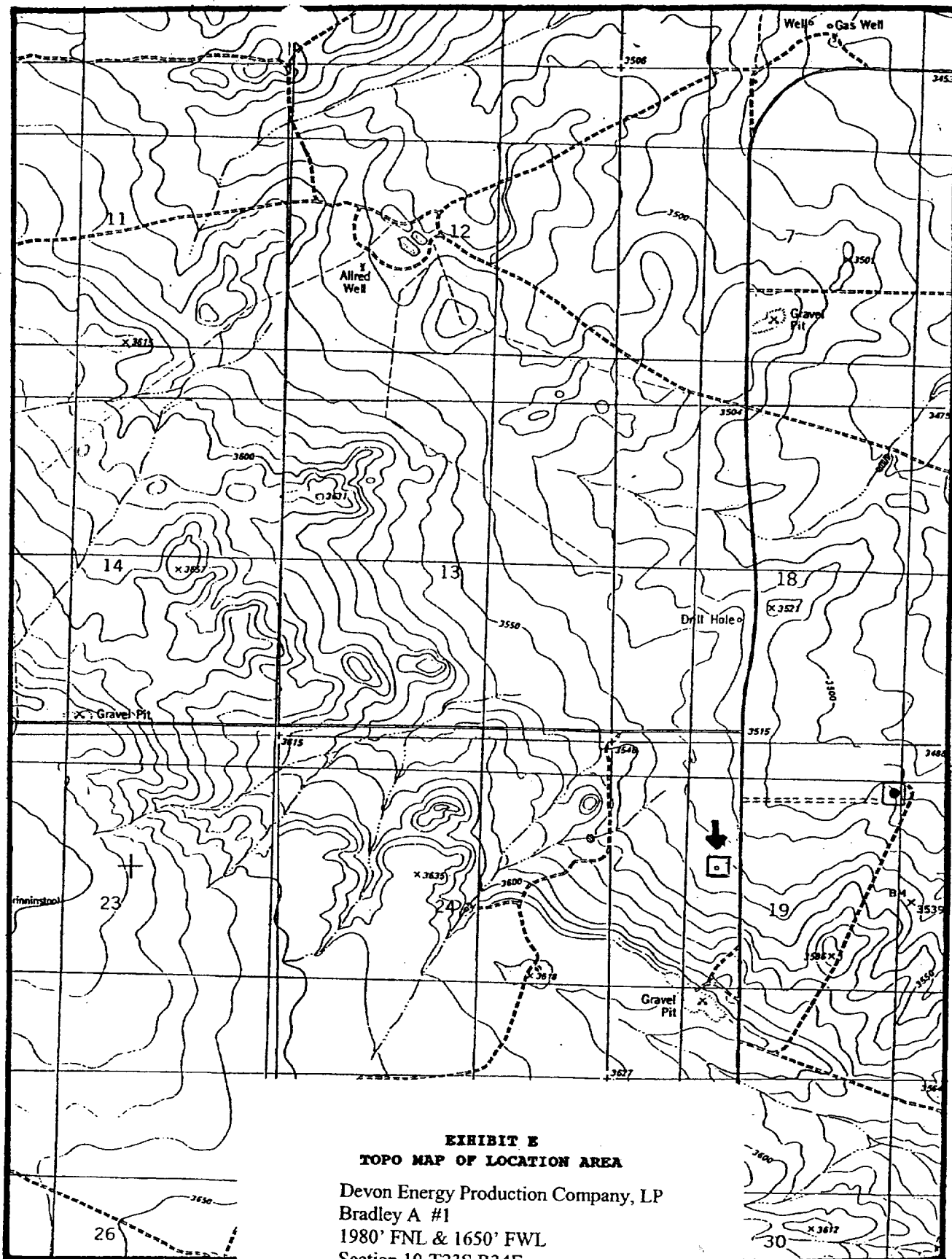
**BLOWOUT PREVENTOR**

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WRL BOP	

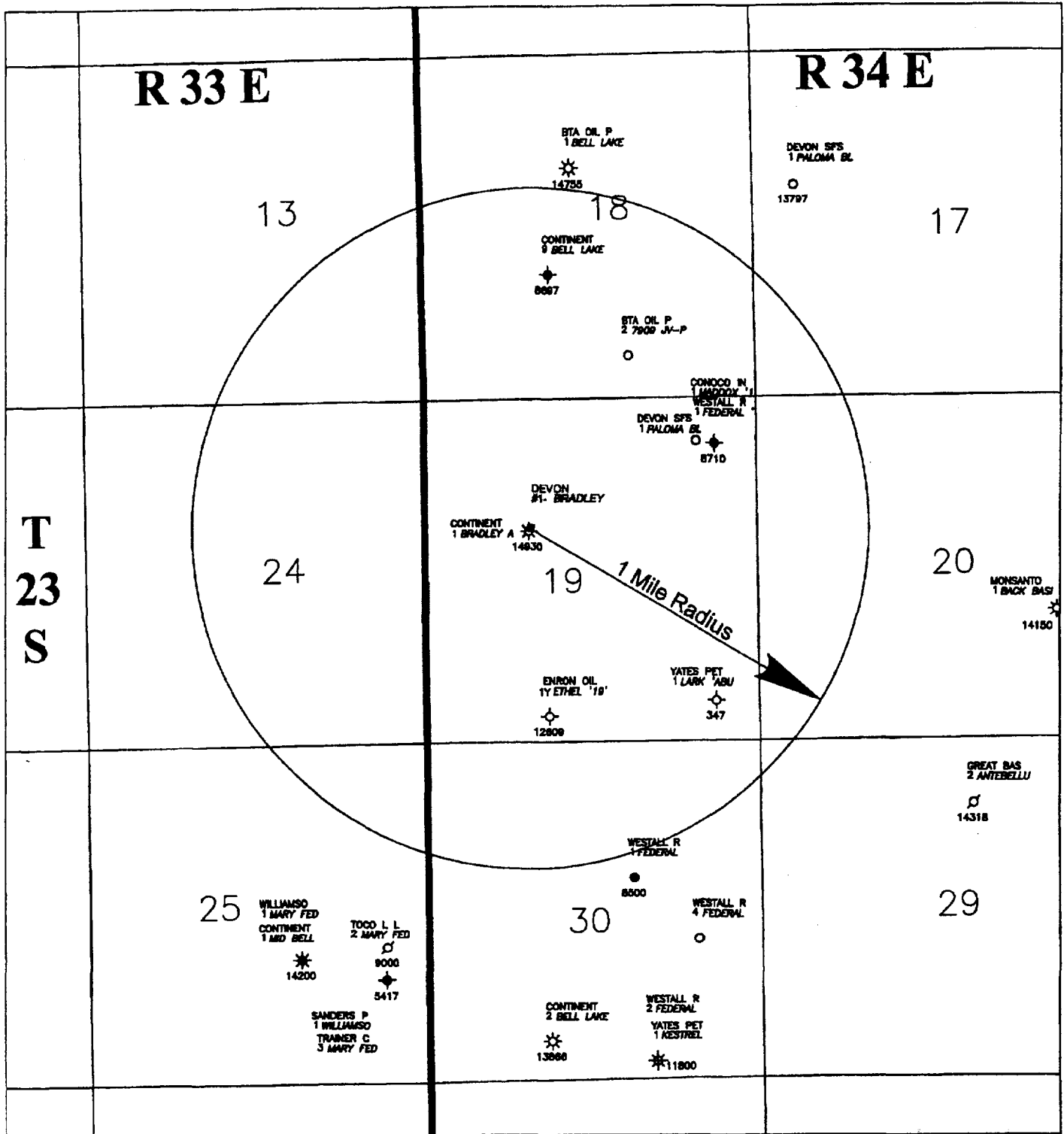
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**EXHIBIT E  
TOPO MAP OF LOCATION AREA**

Devon Energy Production Company, LP  
Bradley A #1  
1980' FNL & 1650' FWL  
Section 19-T23S R34E  
Lea County, New Mexico



**devon**

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**BELL LAKE AREA**  
Lee County, New Mexico

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**Bradley 'A' #1**  
Sec 19, T23S R34E  
1980 FNL & 1650 FWL

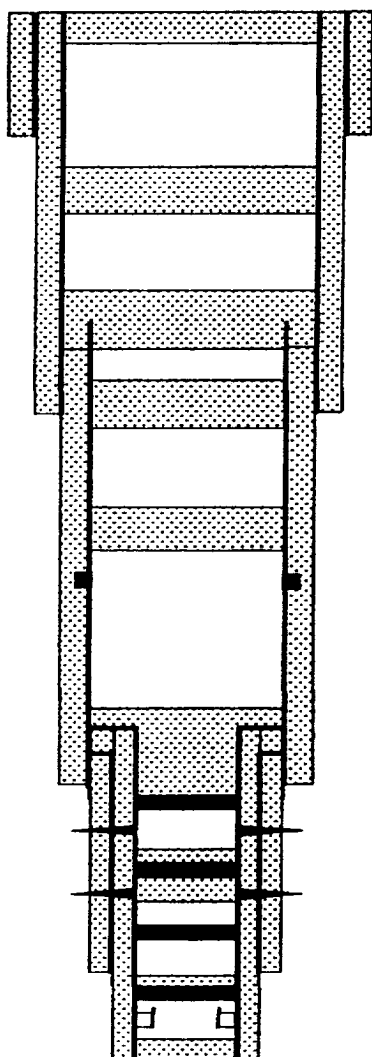
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Date: 02-03-03

0 1000' 2000' 3000' 4000'

# DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

WELL NAME: BRADLEY "A" #1			FIELD: BELL LAKE (MORROW), SOUTH			
LOCATION: 1980' FNL & 1650' FWL, SEC 19-T23S-R34E			COUNTY: LEA			STATE: NM
ELEVATION: GL=3536'; KB=UNK			SPUD DATE: 10/30/64		COMP DATE: 03/06/65	
API#: 30-025-21168		PREPARED BY: C.H. CARLETON			DATE: 08/28/02	
	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 517'	20"	79.6#			26"
CASING:	0' - 5805'	13 3/8"	72#,68#,61#			17 1/2"
CASING:	0' - 12172'	9 5/8"	43.5#,40#			12 1/4"
LINER:	12070' - 14325'	7 5/8"				
LINER:	11918' - 14930'	5 1/2"				
TUBING:						



☒ CURRENT      ☐ PROPOSED

OPERATOR: CONOCO - P&A'D 3/78

CEMENT PLUG: 0' - 50' WITH 30 SXS

20" CASING @ 517' W/1155 SXS. TOC @ SURFACE

CEMENT PLUG: 1100' - 1300' WITH 125 SXS

CEMENT PLUG: 4075' - 4225' WITH 70 SXS

CUT-OFF 9 5/8" CASING @ 4150'

CEMENT PLUG: 5700' - 5900' WITH 65 SXS

13 3/8" CASING @ 5805' W/3550 SXS. TOC @ SURFACE

CEMENT PLUG: 8550' - 8650' WITH 50 SXS

DV TOOL @ 9697'

9 5/8" CASING @ 12172' W/2664 SXS. TOC @ 4200' (CBL)

CEMENT RETAINER @ 12343', CAPPED W/90 SXS (TOC @ 11800')

ATOKA PERFORATIONS: 12410' - 12434' (OA)

CEMENT RETAINER @ 12902', SQZ'D W/90 SXS & CAPPED W/25' CMT

MORROW PERFORATIONS: 12965' - 13376' (OA)

CEMENT RETAINER @ 13200'

7 5/8" LINER @ 12070' - 14325' W/600 SXS.

CIBP @ 14600', CAPPED WITH 10' CEMENT

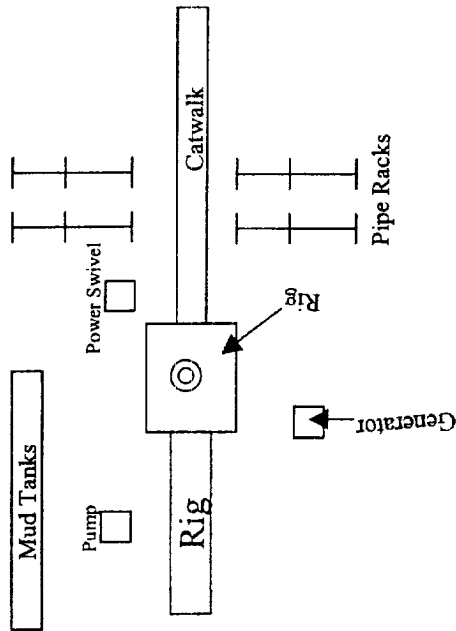
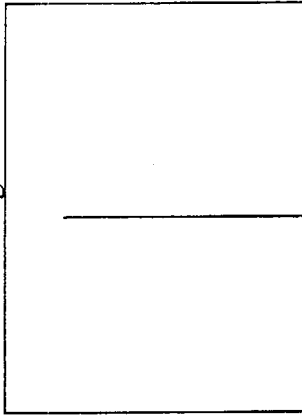
MODEL "D" PACKER @ 14700' WITH 14' TUBING STUB ABOVE

5 1/2" LINER @ 11918' - 14930' W/315 SXS.

TD @ 14930'

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Cuttings Pit



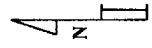
Garbage Trailer

Toilet

Parking Area

Trailer

Trailer



Devon Energy Production Company, LP Bradley A#1	Well Pad Exhibit #G
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