

# NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

## ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

### Application Acronyms:

[NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]  
 [DD-Directional Drilling] [SD-Simultaneous Dedication]  
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

### [1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] ☒ Location - Spacing Unit - Directional Drilling

☒ NSL ☐ NSP ☐ DD ☐ SD

APR 12 1999

Check One Only for [B] or [C]

[B] ☐ Commingling - Storage - Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] ☐ Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

### [2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or ☒ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO

U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

### [3] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I further verify that all applicable API Numbers are included. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

JAMES BRUCE  
 P.O. BOX 1056  
 SANTA FE, NM 87504

Note: Statement must be completed by an individual with supervisory capacity.

Print or Type Name

Signature

Title

Date

**JAMES BRUCE**  
ATTORNEY AT LAW

POST OFFICE BOX 1056  
SANTA FE, NEW MEXICO 87504

3304 CAMINO LISA  
SANTA FE, NEW MEXICO 87501

(505) 982-2043  
(505) 982-2151 (FAX)

April 8, 1999

Michael E. Stogner  
Oil Conservation Division  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505

Re: Amended application of Devon Energy Corporation (Nevada)  
("Devon") for administrative approval of an unorthodox  
oil well location:

Logan "35B" Fed. Well No. 10  
650 feet FSL & 2410 feet FWL  
SW $\frac{1}{4}$ SE $\frac{1}{4}$  S35, Township 17 South, Range 27 East, NMPM  
Eddy County, New Mexico

Dear Mr. Stogner:

Devon withdraws its original application for approval of the above unorthodox location, and submits the following materials for its amended application:

1. A copy of the original application, requesting approval of an unorthodox location solely for the Red Lake Queen-Grayburg-San Andres Pool; and
2. A copy of a Sundry Notice requesting approval to drill the well to a depth sufficient to test the Northeast Red Lake Glorieta-Yeso Pool.<sup>1</sup>

The unorthodox location is sought primarily for the Red Lake-Queen-Grayburg-San Andres Pool, and thus is based on the reasons set forth in the original application. The amended request is based on recent drilling activity in the area, which established Glorieta-Yeso production. Glorieta-Yeso wells are low volume producers, as are Queen-Grayburg-San Andres wells, and thus Devon seeks

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<sup>1</sup>The Northeast Red Lake Glorieta-Yeso Pool is being expanded to include the S $\frac{1}{2}$  of Section 35 in Division Case 12160.

unorthodox location approval for both zones.<sup>2</sup> Downhole commingling approval will be sought administratively on a well-by-well basis.

You had inquired about wells on this acreage operated by Mason-Phillips Properties. Those wells are (or were) part of the South Red Lake Unit, which was terminated last fall. The unitized interval was 1430-1762 feet subsurface, defined as the Grayburg formation. Devon owns the working interest in the subject land from 1762 feet subsurface (the top of the San Andres formation) to the top of the Abo formation.<sup>3</sup> Thus, Devon owns a portion of the rights in the Red Lake Queen-Grayburg-San Andres Pool, and all rights in the Glorieta and Yeso formations. Devon's wells will not be completed above 1762 feet subsurface.

Based on the foregoing, Devon requests approval of the above unorthodox location as to both pools. Please call me if you need anything further on this matter.

Very truly yours,



James Bruce

Attorney for Devon Energy  
Corporation (Nevada)

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<sup>2</sup>Royalty and overriding royalty ownership in the well unit is common as to all depths involved in this application.

<sup>3</sup>Rights from the surface to 1430 feet subsurface, which would presumably include the Queen formation, are owned by persons other than Devon or Mason-Phillips.

**JAMES BRUCE**  
ATTORNEY AT LAW

POST OFFICE BOX 1056  
SANTA FE, NEW MEXICO 87504

SUITE B  
612 OLD SANTA FE TRAIL  
SANTA FE, NEW MEXICO 87501

(505) 982-2043  
(505) 982-2151 (FAX)

October 5, 1998

**Hand Delivered**

Michael E. Stogner  
Oil Conservation Division  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505

Dear Mr. Stogner:

Pursuant to Division Rule 104.F.(2), Devon Energy Corporation (Nevada) ("Devon") applies for administrative approval of the following unorthodox oil well location:

Logan "35" Fed. Well No. 10  
650 feet FSL & 2410 feet FEL  
SW $\frac{1}{4}$ SE $\frac{1}{4}$  (Unit O) §35, Township 17 South, Range 27 East, NMPM  
Eddy County, New Mexico

The well will be drilled to a depth sufficient to test the San Andres formation (Red Lake Queen-Grayburg-San Andres Pool). The pool is subject to statewide rules, with 40 acre well units, and wells to be located no closer than 330 feet to a quarter-quarter section line. Attached as Exhibit A is a Form C-102 for the well.

The original location proposed by Devon was orthodox: 500 feet FSL and 2310 feet FEL. The current location is non-standard due to topographic reasons. Attached as Exhibit B is a plat of the well pad, which shows that there are pipelines or power lines at or near the original location. In addition, there are existing wells at the original location. See Exhibit C. Thus, an unorthodox location is required.

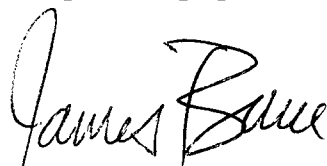
Attached as Exhibit C is a land plat of the area, showing that the well is on federal lease LC 028775-A, which covers the SE $\frac{1}{4}$ SW $\frac{1}{4}$  and SW $\frac{1}{4}$ SE $\frac{1}{4}$ . Thus, the well is only moving toward the same lease, and notice has not been given to any interest owner.

In Case 11996, Devon presented evidence that the subject pool is continuous across this area, trending in a northeast-southwest

direction. Thus, geology is not a factor in these well locations. There are numerous draws, elevation changes, and pipelines and other facilities in the area, which often necessitate unorthodox locations. Wells in this pool drain less than 20 acres, and Devon is infill drilling each well unit. Exhibit C shows that Devon has plans to drill two wells on each well unit.<sup>1</sup> Devon is also considering the possibility of a future waterflood for this pool, and the proposed well fits into a waterflood pattern. Directional drilling the well to an orthodox location is not feasible. Wells in the pool are not prolific producers (averaging 50,000 barrels in reserves), and the added drilling and operating costs would make the wells uneconomic.

Based on the foregoing, Devon requests approval of the above unorthodox location. Please call me if you need anything further on this matter.

Very truly yours,

A handwritten signature in cursive script that reads "James Bruce". The signature is written in dark ink and is positioned above the printed name.

James Bruce

Attorney for Devon Energy  
Corporation (Nevada)

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<sup>1</sup>Devon only acquired both leases a few months ago, and thus development has just begun.

DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Artesia, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

EXHIBIT # 2 Form C-102  
Revised February 10, 1994  
Instruction on back  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code 51300	Pool Name Red Lake (Q-GB-SA)
Property Code	Property Name LOGAN "35" FEDERAL	Well Number 10
OGRD No. 6137	Operator Name DEVON ENERGY CORPORATION	Elevation 3605'

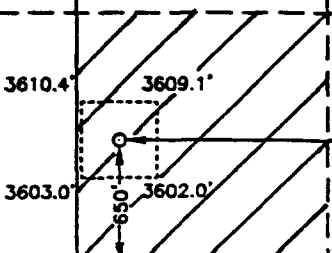
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	35	17 S	27 E		650	SOUTH	2410	EAST	EDDY

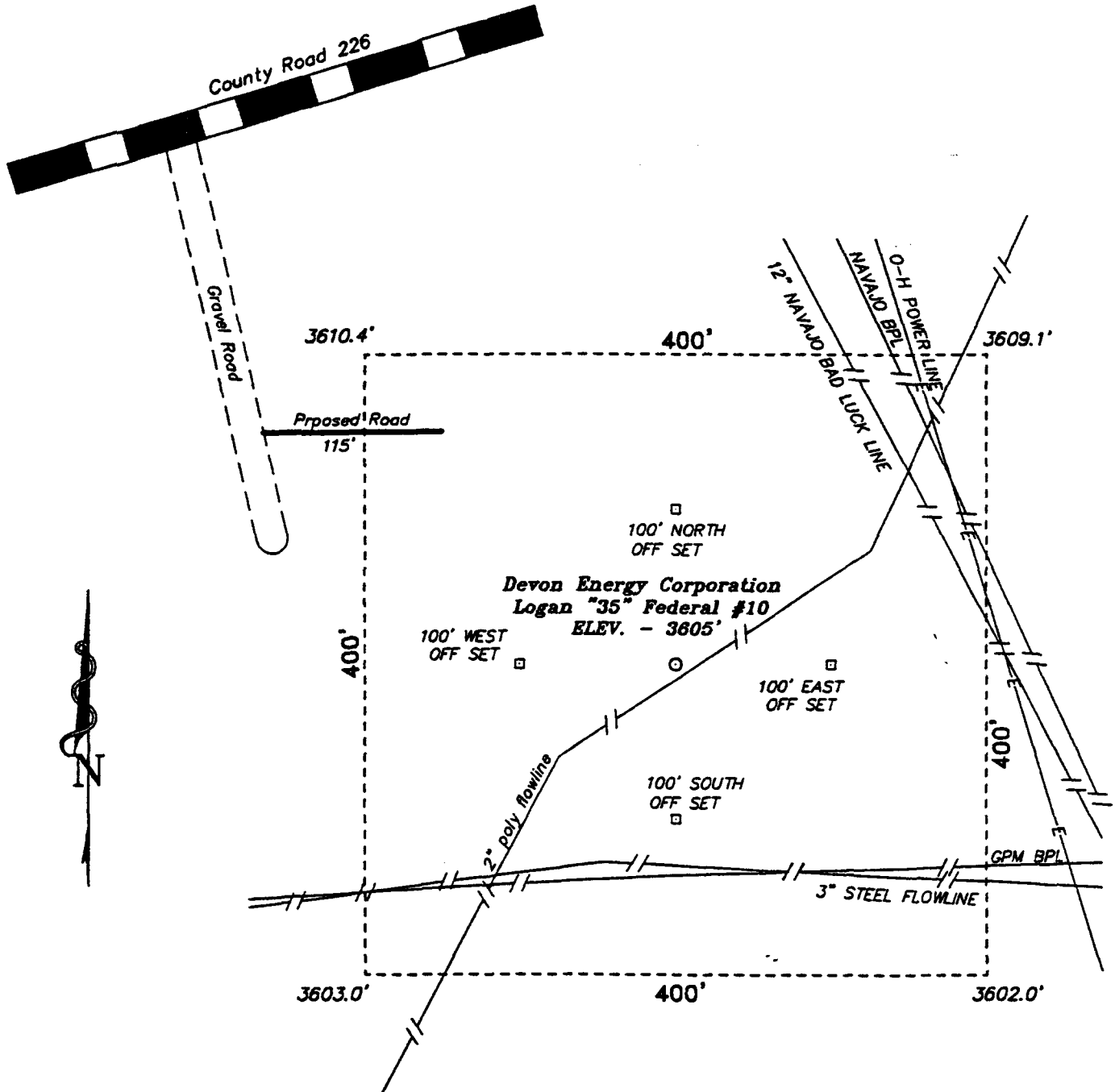
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						

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

<div data-bbox="219 1501 544 1711" data-label="Text"><p>EXHIBIT <b>A</b></p></div>		<b>OPERATOR CERTIFICATION</b>  I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.  <u>E. L. Buttross Jr.</u> Signature  <u>E.L. Buttross, Jr.</u> Printed Name  <u>District Engineer</u> Title <u>9/9/98</u> Date
		<b>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.  <u>August 24, 1998</u> Date Surveyed <u>GARY L JONES</u> Signature & Seal of Professional Surveyor <u>977</u> P.O. No. 8297 Certification <u>977</u> BASIN SURVEYS

SECTION 35, TOWNSHIP 17 SOUTH, RANGE 27 EAST, N.M.P.M.,  
EDDY COUNTY, NEW MEXICO.



100 0 100 200 FEET  
SCALE: 1" = 100'



## Devon Energy Corporation

REF: Logan "35" Federal No. 10 / Well Pad Topo

THE LOGAN "35" FEDERAL No. 10 LOCATED 650' FROM THE  
SOUTH LINE AND 2410' FROM THE EAST LINE OF  
SECTION 35, TOWNSHIP 17 SOUTH, RANGE 27 EAST,  
N.M.P.M., EDDY COUNTY, NEW MEXICO.

**BASIN SURVEYS** P.O. BOX 1786 - HOBBS, NEW MEXICO

W.O. Number: 8297

Drawn By: K. GOAD

Date: 08-25-98

Disk: KJG #116 - 8297FF.DWG

Survey Date: 08-24-98

Sheet 1 of 1 Sheets







**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**FORM APPROVED**  
Budget Bureau No. 1004-0135  
Expires March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well  
☒ Oil Well    ☐ Gas Well    ☐ Other

2. Name of Operator  
**DEVON ENERGY CORPORATION (NEVADA)**

3. Address and Telephone No.  
**20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405) 235-3611**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**650' FSL & 2410' FEL of Section 35-T17S-R27E, Unit "O"**

5. Lease Designation and Serial No.

**LC-028755-A**

6. If Indian, Allottee or Tribe Name

**NA**

7. If Unit or CA, Agreement Designation

8. Well Name and No.

**Logan "35" Federal #10**

9. API Well No.

**30-015-30466**

10. Field and Pool, or Exploratory Area

**Red Lake; Q-GB-SA**

11. County or Parish, State

**Eddy County, NM**

**CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA****TYPE OF SUBMISSION**

- ☐ Notice of Intent
- ☒ Subsequent Report
- ☐ Final Abandonment Notice

**TYPE OF ACTION**

- ☐ Abandonment
- ☐ Recompletion
- ☐ Plugging Back
- ☐ Casing Repair
- ☐ Altering Casing
- ☒ Other Amend TD & pool, name change

- ☐ Change of Plans
- ☐ New Construction
- ☐ Non-Routine Fracturing
- ☐ Water Shut-Off
- ☐ Conversion to Injection
- ☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The original Application for Permit to Drill, Form 3160-3, approved on 10/26/98 for a proposed depth of 3400' and the Red Lake (Q-GB-SA) pool. Devon Energy Corporation (Nevada) requests to amend the depth to 4000' and include the NE Red Lake (Glorieta-Yeso) pool.

Devon also requests to change the well name:

FROM: Logan "35" Federal #10

TO: Logan "35B" Federal #10



14. I hereby certify that the foregoing is true and correct

Signed Tonja Rutelonis  
(This space for Federal or State office use)

Tonja Rutelonis

Title Engineering Technician

Date 2/9/99

Approved by (ORIG. SGD.) DAVID R. GLASS  
Conditions of approval, if any:

Title PETROLEUM ENGINEER

Date **FEB 18 1999**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

DEVON ENERGY CORPORATION (NEVADA)

3. Address and Telephone No.

20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405) 235-3611

4. Location of Well (Footage. Sec., T., R., M., or Survey Description)

Section 35-17S-27E

5. Lease Designation and Serial No.

LC-028755-A

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

See Below

9. API Well No.

10. Field and Pool, or Exploratory Area

Red Lake (Q-GB-SA)

11. County or Parish, State

Eddy County, New Mexico

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Change of Name

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Name changed:

From: Logan "35" Federal #10

To: Logan "35B" Federal #10

- PROPERTY CODE - 23831



14. I hereby certify that the foregoing is true and correct

Signed Kimberly Crilly  
(This space for Federal or State office use)

Kimberly Crilly

Title Engineering Technician

Date October 28, 1998

Approved by \_\_\_\_\_  
Conditions of approval, if any:

Title \_\_\_\_\_

Date \_\_\_\_\_

Title 18 U.S.C. Section 1001, makes 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 representation to any matter within its jurisdiction.

\*See Instruction on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN

(101)

Form approved.

ARTESIA, NM 87003-2233

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK: DRILL ☒ DEEPEN ☐

b. TYPE OF WELL:

OIL WELL ☒ GAS WELL ☐ Other ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR

DEVON ENERGY CORPORATION (NEVADA)

3. ADDRESS AND TELEPHONE NO.

20 N. BROADWAY, SUITE 1500, OKC, OK 73102 (405) 552-4511

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 650' FSL & 2410' FEL, Unit "O"

At top proposed prod. zone (SAME)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 7 miles southeast of Artesia, NM

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT. 650'  
(Also to nearest drlg. unit line if any)

16. NO. OF ACRES IN LEASE

80

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 350'

19. PROPOSED DEPTH

3400'

20. ROTARY OR CABLE TOOLS\*

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GR 3605'

22. APPROX. DATE WORK WILL START\*

November 15, 1998

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	14"	Conductor	40'	Redimix
12 1/4"	8 5/8", J-55	24 ppf	1150'	350 sx Lite + 200 sx Class C
7 7/8"	5 1/2", J-55	15.5 ppf	3400'	250 sx Lite + 350 sx Class C

\* Cement will be circulated to surface on all casing strings.

Devon Energy plans to drill to 3400' +/- to test the San Andres Formation for commercial quantities of oil. If the San Andres is deemed non-commercial, the wellbore will be plugged and abandoned per Federal regulations. Programs to adhere to onshore oil and gas regulations are outlined in the following exhibits and attachments.

Drilling Program

Surface Use and Operating Plan

Exhibit #1 - Blowout Prevention Equipment/  
Choke Manifold

Exhibit #2 - Location and Elevation Plat

Exhibit #3 - Planned Access Roads

Exhibit #4 - Wells Within a One Mile Radius

Exhibit #5 - Production Facilities Plan

Exhibit #6 - Rotary Rig Layout

Exhibit #7 - Casing Design Parameters and Factors

Exhibit #8 - H<sub>2</sub>S Operating Plan

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

Bond Coverage: Nationwide

BLM Bond File No.: CO-1104

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

24.

SIGNED

E. L. Buttross Jr.

TITLE

E. L. BUTTROSS, JR.  
DISTRICT ENGINEER

DATE

9/10/98

\*(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that 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:

Acting

Assistant Field Office Manager,  
Lands and Minerals

APPROVED BY

(ORIG. SGD.) ARMANDO A. LOPEZ

TITLE

DATE

OCT 26 1998

See Instructions On Reverse Side



**Revised February 10, 1994**

**Instruction on back**

**Submit to Appropriate District Office**

**State Lease - 4 Copies**

**Fee Lease - 3 Copies**

**DISTRICT II**  
**P.O. Drawer DD, Artesia, NM 88210**

**DISTRICT III**  
1000 Rio Brazos Rd., Aztec, NM 87410

## OIL CONSERVATION DIVISION

**P.O. Box 2088**

**Santa Fe, New Mexico 87504-2088**

**□ AMENDED REPORT**

# WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		Pool Code	Pool Name
		51300	Red Lake (Q-GB-SA)
Property Code	Property Name		Well Number
	LOGAN "35" FEDERAL		10
OGRID No.	Operator Name		Elevation
6137	DEVON ENERGY CORPORATION		3605'

### Surface Location

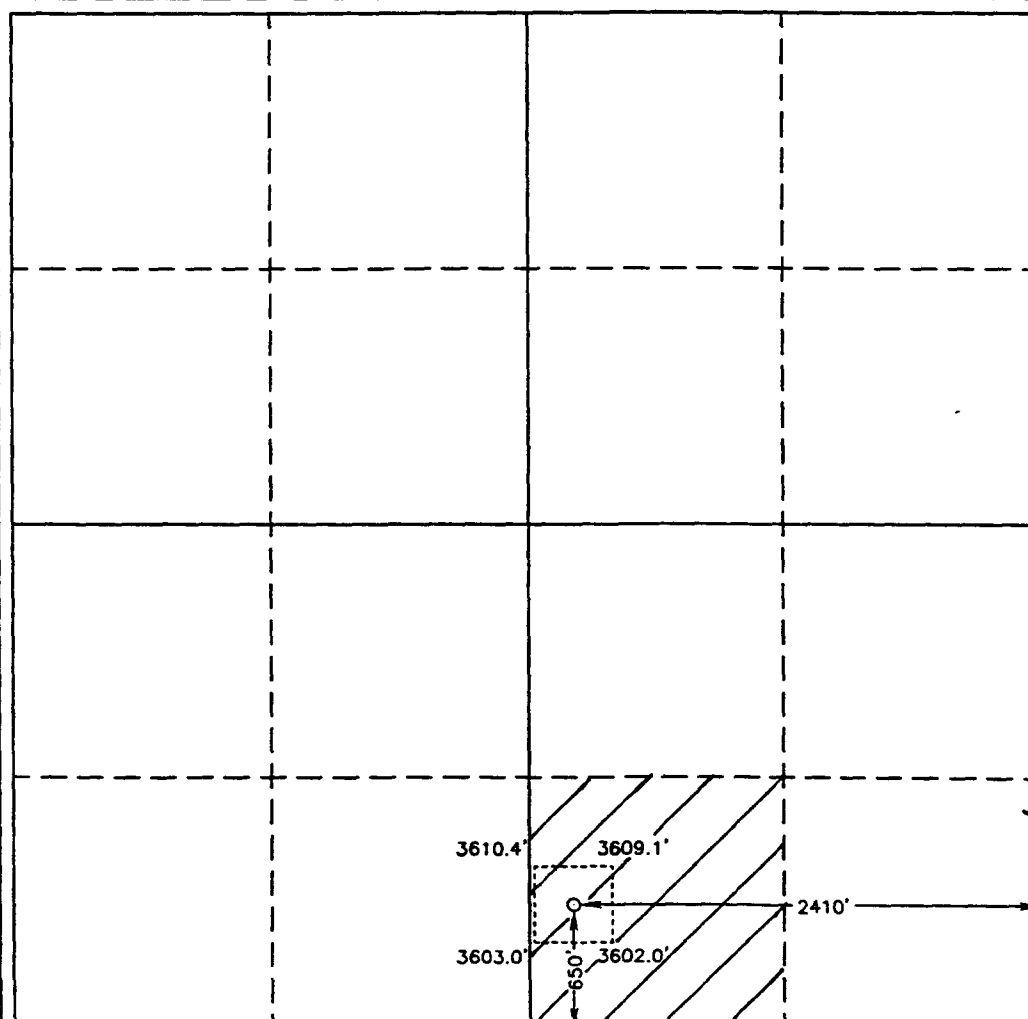
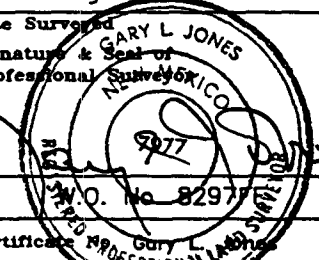
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	35	17 S	27 E		650	SOUTH	2410	EAST	EDDY

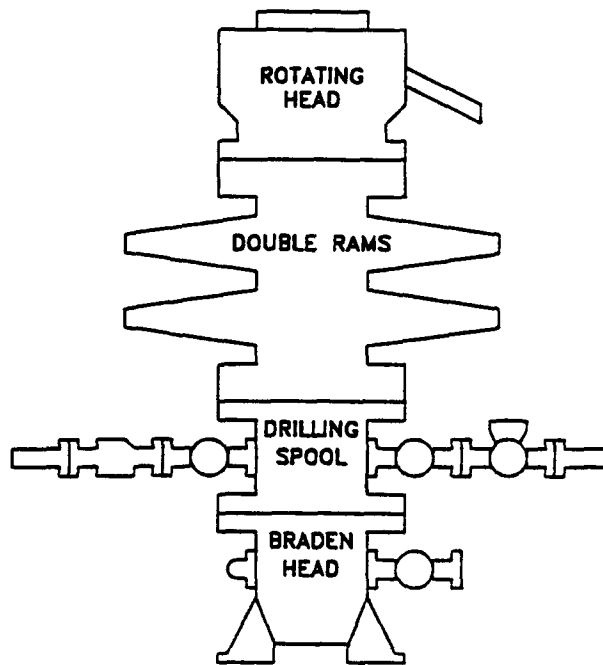
### Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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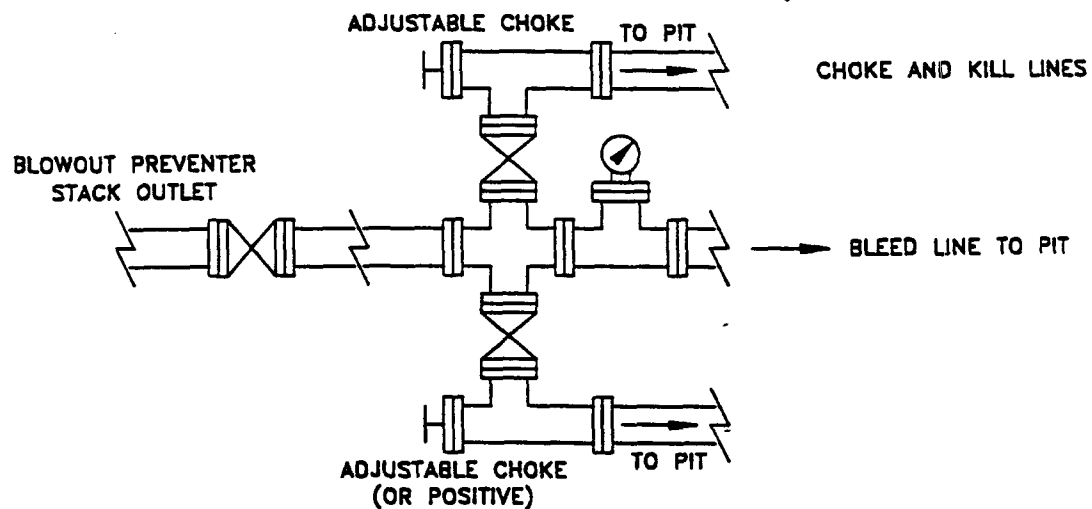
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.

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

	<b>OPERATOR CERTIFICATION</b>
	<i>I hereby certify the information contained herein is true and complete to the best of my knowledge and belief.</i>
	<u>E. L. Buttross Jr.</u> Signature
	<u>E. L. Buttross, Jr.</u> Printed Name
	<u>District Engineer</u> Title
	<u>9/9/98</u> Date
	<b>SURVEYOR CERTIFICATION</b>
	<i>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.</i>
	<u>August 24, 1998</u> Date Surveyed
	<u>GARY L. JONES</u> Signature & Seal of Professional Surveyor
	
	<u>977</u> Certificate No.
	<u>Basin Surveys</u> Professional Land Surveyors



# CHOKE MANIFOLD REQUIREMENT (2000 psi WP)



**devon**

**WEST RED LAKE AREA**

EDDY COUNTY, NEW MEXICO

SCHEMATIC

**BLOWOUT PREVENTOR**

(2000 PSI WORKING WP)

G:\...PROJECTS\EXPANDED

WRI BOP	

**Attachment to Exhibit #1**  
**NOTES REGARDING BLOWOUT PREVENTORS**  
**Logan 35 Federal #10**  
**Eddy County, New Mexico**

1. Drilling nipple will be constructed so it can be removed mechanically without the aid of a welder. The minimum internal diameter will equal BOP bore.
2. Wear ring will be properly installed in head.
3. Blowout preventor and all associated fittings will be in operable condition and tested to 1000 psi with the rig pump.
4. All fittings will be flanged.
5. A full bore safety valve with proper thread connections will be available on the rotary rig floor at all times.
6. All choke lines will be anchored to prevent movement.
7. All BOP equipment will be equal to or larger in bore than the internal diameter of the last casing string.
8. Will maintain a Kelly cock attached to the Kelly.
9. Hand wheels and wrenches will be properly installed and tested for safe operation.
10. All BOP equipment will meet API standards and include a minimum 40 gallon accumulator having two independent means of power to initiate closing operation.