Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JAN 2003 RECEIVED OCD - ARTESIA

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

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

C191

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

5. Lease Serial No.
NM-NM81220

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA/Agreement, Name and/or No.
N/A

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other - proposed oil well

8. Well Name and No.
Old Ranch Knoll "8" Federal Com. #9

2. Name of Operator
Devon Energy Production Company, L.P. / Wally Frank
Senior Operations Engr.

9. API Well No.
30-015-32586

3a. Address
20 N. Broadway, Suite 1500, OKC, OK 73102

3b. Phone No. *(include area code)*
(405)552-4595

10. Field and Pool, or Exploratory Area
Indian Basin (Upper Penn) Assoc.

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
SHL: 810' FSL & 350' FEL, Unit P, Section 8-T22S-R24E, Eddy Cnty, NM
BHL: 850' FSL & 660' FEL, Unit P, Section 8-T22S-R24E, Eddy Cnty, NM

11. County or Parish, State
Eddy County
New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/ Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other amend APD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Due to an offset operator's refusal to allow us a NSL permit, at this time Devon Energy wishes to inform you that we are changing the drilling program for the Old Ranch Knoll "8" Federal Com. #9 from a proposed vertical drill to directional with the chosen bottom location as indicated on the plat. Attached please find the following.

1. Well Location and Acreage Dedication Plat (NMOCD form C-102)
2. Directional 7" casing string design sheet

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)*
Candace R. Graham 405/235-3611 X4520

Title
Engineering Tech.

Signature Candace R. Graham

Date
12/26/2002

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by (ORIG. SGD.) ALEXIS C. SWOBODA

Title PETROLEUM ENGINEER

Date JAN 1 [illegible]

Conditions of approval, if any, are attached. Approval of this notice 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.

Office

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 representations as to any matter within its jurisdiction.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II
P.O. Drawer DD, Artesia, NM 88211-0719

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

DISTRICT IV
P.O. BOX 2088, SANTA FE, N.M. 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

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

Form C-102
Revised February 10, 1994
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
30-015-32586	33685	Indian Basin (Upper Penn) Assoc.

Property Code	Property Name	Well Number
16875	OLD RANCH KNOLL 8 FEDERAL COM.	9

OGRID No.	Operator Name	Elevation
6137	DEVON ENERGY PRODUCTION COMPANY, L.P.	4086'

Surface Location

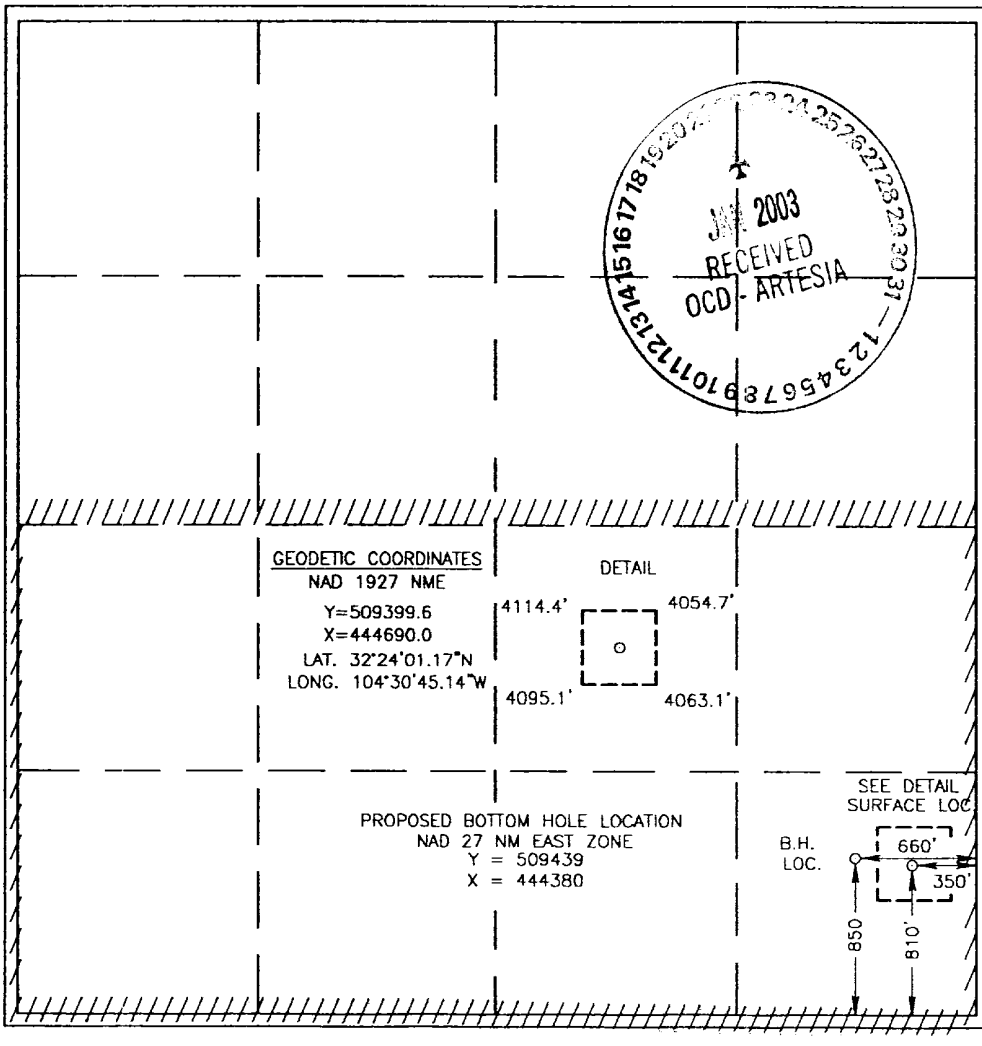
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	8	22-S	24-E		810'	SOUTH	350'	EAST	EDDY

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
P	8	22-S	24-E		850'	SOUTH	660'	EAST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
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



OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Candace R. Graham
Signature

Candace R. Graham
Printed Name

Engineering Tech.
Title

December 26, 2002
Date

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 supervison, and that the same is true and correct to the best of my belief.

OCTOBER 22, 2002
Date Surveyed AWB

Signature & Seal of Professional Surveyor

Ronald J. Eidson 10/24/02

02.11.0784

Certificate No. RONALD J. EIDSON 3239
GARY EIDSON 12641

Well name:	**Old Ranch Knoll 8 Fed. 9**
Operator:	**Devon Energy Production Company L.P.**
String type:	Production
Location:	Section 8, T22S, R24E

Design parameters:

Collapse
Mud weight: 8.800 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 3,931 psi
Internal gradient: 0.000 psi/ft
Calculated BHP 3,931 psi

Annular backup: 8.80 ppg

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 7,491 ft

Estimated cost: 78,453 ($)

Environment:
H2S considered? Yes
Surface temperature: 75 °F
Bottom hole temperature: 144 °F
Temperature gradient: 0.80 °F/100ft
Minimum section length: 1,000 ft

Directional Info - Build & Drop
Kick-off point 4900 ft
Departure at shoe: 313 ft
Maximum dogleg: 1.5 °/100ft
Inclination at shoe: 0 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
3	1000	7	23.00	L-80	LT&C	1000	1000	6.25	8969
2	6200	7	23.00	L-80	LT&C	7171	7200	6.25	55610
1	1429	7	23.00	HCL-80	LT&C	8600	8629	6.25	13874

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
3	457	3306	7.23	3931	6340	1.61	197.8	435	2.20 J
2	3278	3762	1.15	3474	6340	1.82	174.8	435	2.49 J
1	3931	5650	1.44	653	6340	9.71	32.9	485	14.76 J

Prepared by: W. M. Frank
Devon Energy
Phone: (405) 552-4595
FAX: (405) 552-4621
Date: December 26,2002
Oklahoma City, Oklahoma

Remarks:
Collapse is based on a vertical depth of 8600 ft, a mud weight of 8.8 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a