

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTOil Conservation
N.M. Div-Dist. 2FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

RECEIVED
OIL CONSERVATION
SUNDARY 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.

1301 W. Grand Avenue
Artesia, NM 88210Serial No.
NM-100540

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Devon Energy Production Company, L.P.

Wally Frank

Senior Operations Engr.

3a. Address

20 N. Broadway, Suite 1500, OKC, OK 73102

3b. Phone No. (include area code)

(405)552-4595

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

SHL: 660' FSL & 1910' FEL, Unit O, Section 18-T22S-R26E, Eddy Cnty, NM

BHL: 1935' FSL & 712' FEL, Unit I, Section 18-T22S-R26E, Eddy Cnty, NM

6. If Indian, Allottee or Tribe Name

N/A

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

N/A

8. Well Name and No.

Filaree "18" Federal #1

9. API Well No.

30-015-31707

10. Field and Pool, or Exploratory Area

Happy Valley (Morrow)

11. County or Parish, State

Eddy Cnty,
New Mexico

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

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|--|---|--|---|--|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Acidize | <input type="checkbox"/> Deepen | <input type="checkbox"/> Production (Start/ Resume) | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Subsequent Report | <input type="checkbox"/> Alter Casing | <input checked="" type="checkbox"/> Fracture Treat | <input type="checkbox"/> Reclamation | <input type="checkbox"/> Well Integrity |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Casing Repair | <input type="checkbox"/> New Construction | <input type="checkbox"/> Recomplete | <input checked="" type="checkbox"/> Other <u>add pay</u> |
| | <input type="checkbox"/> Change Plans | <input type="checkbox"/> Plug and Abandon | <input type="checkbox"/> Temporarily Abandon | |
| | <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Plug Back | <input type="checkbox"/> 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 recompleat 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 recompleat 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.)

Devon Energy plans to add Morrow pay and fracture stimulate the Filaree "18" Federal #1 in the immediate future. Attached please find the following.

1. Procedure for the workover
2. Current well bore schematic
3. Proposed schematic of well bore after workover
4. Map showing well location

14. I hereby certify that the foregoing is true and correct.
Name (Printed/Typed)

Candace R. Graham 405/235-3611 4520

Title

Engineering Tech.

Signature

Candace R. Graham

Date

06/05/2002

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

(ORIG. SIGNED) ALEXIS C. SWOBODA

Title

PETROLEUM ENGINEER

Date

JUN 10 2002

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.

(Instructions on reverse)

2002 JUN -5 AM 9:17

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DEVON ENERGY CORPORATION
Interoffice Correspondence

1/22/2002 10:36 AM
AFE # 511890
API #30-015-31707

TO: Brad Foster

FROM: W. M. Frank

RE: Fracture Stimulation Prognosis
Filaree 18 "O" Federal #1
660' FSL & 1,910' FEL
Section 18-T22S-R26E
Eddy County, New Mexico

Elevation: 3428' GL, 3443' KB

TD - 11,815', PBTD - 11,772'



Casing - 13 3/8" 48# H-40 @ 628' Cmt to surface
9 5/8" 40# J-55 @ 2,236' Cmt to surface
5 1/2" 17 & 20#, L-80 @ 11,815' w/1010 sx.

2 3/8", 4.7#, L-80, 8rd Tubing
Capacity - 0.0039 Bpf Displacement - 0.00171 Bpf
Burst - 11200 psig new, 8960 psig @ 80%

Procedure

NOTE: THIS WELL IS A "S" SHAPED DIRECTIONAL WELL. REVIEW ATTACHED DIRECTIONAL INFORMATION AND NOTE THAT IN PLACES DLS IS OVER 4°/100'.

1. MIRU slickline company. TIH with shifting tool and drop guns. Check PBTD to make sure guns have dropped. RDMO slickline company.
2. MIRU DDPU.
3. MIRU Electric line unit and 3K psig grease lubricator. TIH and perforate as follows:

11,497 – 11,506' 9' 2 spf 19 holes

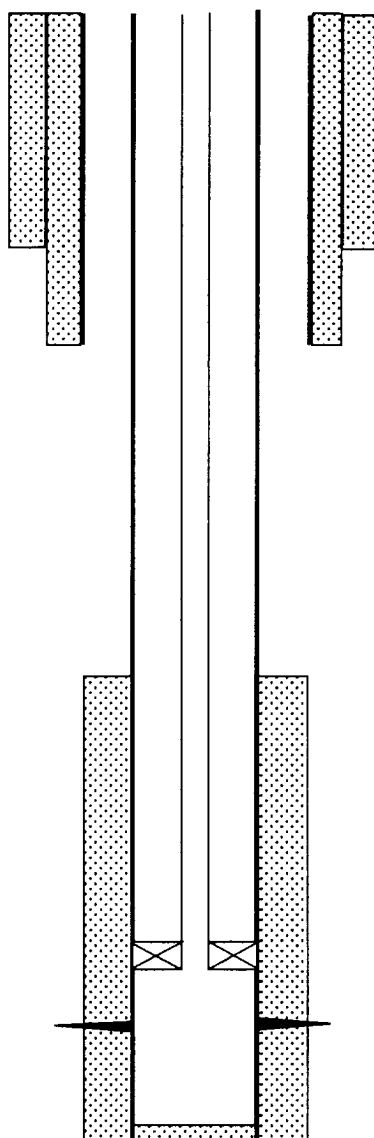
Correlate perfs to Baker Atlas CBL dated 9/8/2001
POOH and RDMO Electric line unit.

4. If surface pressure increase after perforating then flow well to pit for 4 hours before going to step #5. If surface pressure does not increase after perforating the go directly to step #5.
5. MIRU slickline company. TIH and set plug and prong in 1.875" landing nipple in On/Off tool. Blow down tubing to test plug and prong. RDMO slickline company.
6. Load tubing w/2% KCl substitute containing 1 gpt inhibitor and 2 gpt Flowback 30.
7. ND Tree and NU BOPE and release from On/Off tool.
8. POOH laying down 2 3/8" tubing.
9. PU and TIH w/3 1/2" frac string with On/Off tool skirt and XO.
10. MIRU BJ Services and pump 500 gal, 15% HCl, pickle job down tubing at 1 – 2 bpm and then reverse acid up tubing at 2 bpm and into frac tank. Add lime to frac tank to control Ph.
11. Engage On/Off tool. Space out tubing string. Test annulus to 2,000 psig.
12. ND BOPE and NU rental 3 1/2" frac tree.
13. Swab fluid level in tubing down to hydrostatic equivalent of max. SITP seen in step #1.
14. MIRU slickline unit. Pull prong and plug from On/Off tool profile nipple. RDMO slickline unit.
15. Flow back well until well has cleaned up.
16. MIRU BJ Services and frac zone as per BJ procedure. Make sure to do spearhead acid job prior to frac.
17. Flow test well until clean reporting rates and pressures daily. Shut well in overnight for pressure buildup.
18. MIRU slickline unit. TIH and set plug in On/Off tool landing nipple. Blow down tubing to test plug. Load tubing with 2% KCl substitute containing 1 gpt inhibitor and 2 gpt Flowback 30 and release from On/Off tool. RDMO slickline unit.

19. POOH laying down frac string.
20. TIH PU 2 3/8" tubing. Space out tubing with 12 K compression. ND BOPE and NU 2 3/8" Tree. Swab fluid level in well down until hydrostatic head matches shut in pressure seen in step #14.
21. MIRU slickline unit. TIH and pull prong and plug in On/Off tool landing nipple. Flow well to pit for clean up.
22. Flow well to pit for clean up. Once well has cleaned up, shut well in and WOPL.

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

| | | | | | | |
|----------------------------------|--------------|--------------------------|---------|------------------------------|----------------|--------------------|
| WELL NAME: Filaree 18 Federal #1 | | | | FIELD: Happy Valley (Morrow) | | |
| LOCATION: Section 18, T22S, R26E | | | | COUNTY: EDDY | | STATE: NM |
| ELEVATION: GL=3428' - KB=3443' | | | | SPUD DATE: 6/18/01 | | COMP DATE: 9/13/01 |
| API#: 30-015-31707 | | PREPARED BY: W. M. Frank | | | DATE: 03-06-02 | |
| TUBULARS | DEPTH | SIZE | WEIGHT | GRADE | THREAD | HOLE SIZE |
| CASING: | 0' - 628' | 13 3/8" | 48 | H-40 | ST&C | 17 1/2" |
| CASING: | 0' - 2,236' | 9 5/8" | 40 | J-55 | ST&C | 12 1/4" |
| CASING: | 0' - 11,815' | 5 1/2" | 17 & 20 | L-80 | LT&C | 8 3/4" |
| | | | | | | |
| TUBING: | | 2 3/8" | 4.7 | L-80 | | |



☒ CURRENT ☐ PROPOSED

13 3/8" Casing, Cemented w/820 sxs. Cement to surface.

9 5/8" casing, Cemented w/1,250 sxs. Cement to surface.

KOP @ 5,162'

Maximum Inclination of 34° @ 8,109'

Average Inclination of hold portion of hole is 30°

Maximum Dog Leg Severity of hole is 4.4°/100' @ 9,611'

Drop point @ 8,100'

Tubing & Packer Detail:

1 joint - 2 3/8", 4.7#, L-80, tubing

4 - 2 3/8", 4.7#, L-80, Pup Jts. (10', 8', 6', & 4')

360 joints - 2 3/8", 4.7#, L-80, tubing

1 - 2 3/8", 4.7#, L-80, Pup Jt (Locator sub).

1 joint - 2 3/8", 4.7#, L-80, tubing

T-2 On/Off Tool w/1.875" ID "F" nipple @ 11,336'

AS 1-X 10K Retrievable 5 1/2" packer @ 11,337'

1 - 2 3/8", 4.7#, L-80, Pup Jt

Production Vent

1 - 2 3/8", 4.7#, L-80, Pup Jt

Mechanical tubing release @ 11,409'

64' of gun assembly

Morrow Perfs: 11,458 - 74', 64 holes (0.40" EHD & 32" TTP)

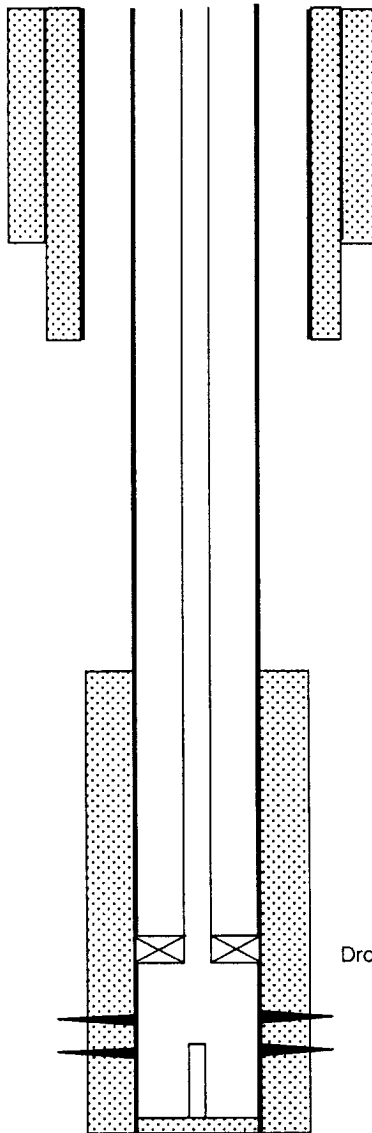
PBTD @ 11,753'

5 1/2" @ 11,815'. Csg cmt'd w/1,010 sxs. TOC @ 6,000' f/CBL

TD @ 11,815' MD, 11,429' TVD (calc)

DEVON ENERGY CORPORATION WELLBORE SCHEMATIC

| | | | | | | |
|--------------------------------------|--------------|--------------------------|--------|------------------------------|----------------|--------------------|
| WELL NAME: Filaree 18 "I" Federal #1 | | | | FIELD: Happy Valley (Morrow) | | |
| LOCATION: Section 18, T22S, R26E | | | | COUNTY: EDDY | | STATE: NM |
| ELEVATION: GL=3428' - KB=3443' | | | | SPUD DATE: 6/18/01 | | COMP DATE: 9/13/01 |
| API#: 30-015-31707 | | PREPARED BY: W. M. Frank | | | DATE: 10/10/01 | |
| TUBULARS | DEPTH | SIZE | WEIGHT | GRADE | THREAD | HOLE SIZE |
| CASING: | 0' - 628' | 13 3/8" | 48 | H-40 | ST&C | 17 1/2" |
| CASING: | 0' - 2,236' | 9 5/8" | 40 | J-55 | ST&C | 12 1/4" |
| CASING: | 0' - 11,150' | 5 1/2" | 17 | L-80 / J-55 | LT&C | 8 3/4" |
| | | | | | | |
| TUBING: | | 2 3/8" | 4.7 | L-80 | | |



☐ CURRENT

☒ PROPOSED

5 1/2", 20#, L-80 from surface - 955'

5 1/2", 17#, J-55 from 955 - 8516'

5 1/2", 17#, L-80 from 8516 - 11,815'

13 3/8" Casing, Cemented w/820 sxs. Cement to surface.

9 5/8" casing, Cemented w/1,250 sxs. Cement to surface.

KOP @ 5,162'

Maximum Inclination of 34° @ 8,109'

Average Inclination of hold portion of hole is 30°

Maximum Dog Leg Severity of hole is 4.4°/100' @ 9,611'

Drop point @ 8,100'

Tubing & Packer Detail:

1 joint - 2 3/8", 4.7#, L-80, tubing

4 - 2 3/8", 4.7#, L-80, Pup Jts. (10', 8', 6', & 4')

360 joints - 2 3/8", 4.7#, L-80, tubing

1 - 2 3/8", 4.7#, L-80, Pup Jt (Locator sub).

1 joint - 2 3/8", 4.7#, L-80, tubing

T-2 On/Off Tool w/1.875" ID "F" nipple @ 11,336'

AS 1-X 10K Retrievable packer @ 11,337'

1 - 2 3/8", 4.7#, L-80, Pup Jt

Production Vent

1 - 2 3/8", 4.7#, L-80, Pup Jt

Mechanical tubing release @ 11,409'

Dropped 64' of gun assembly

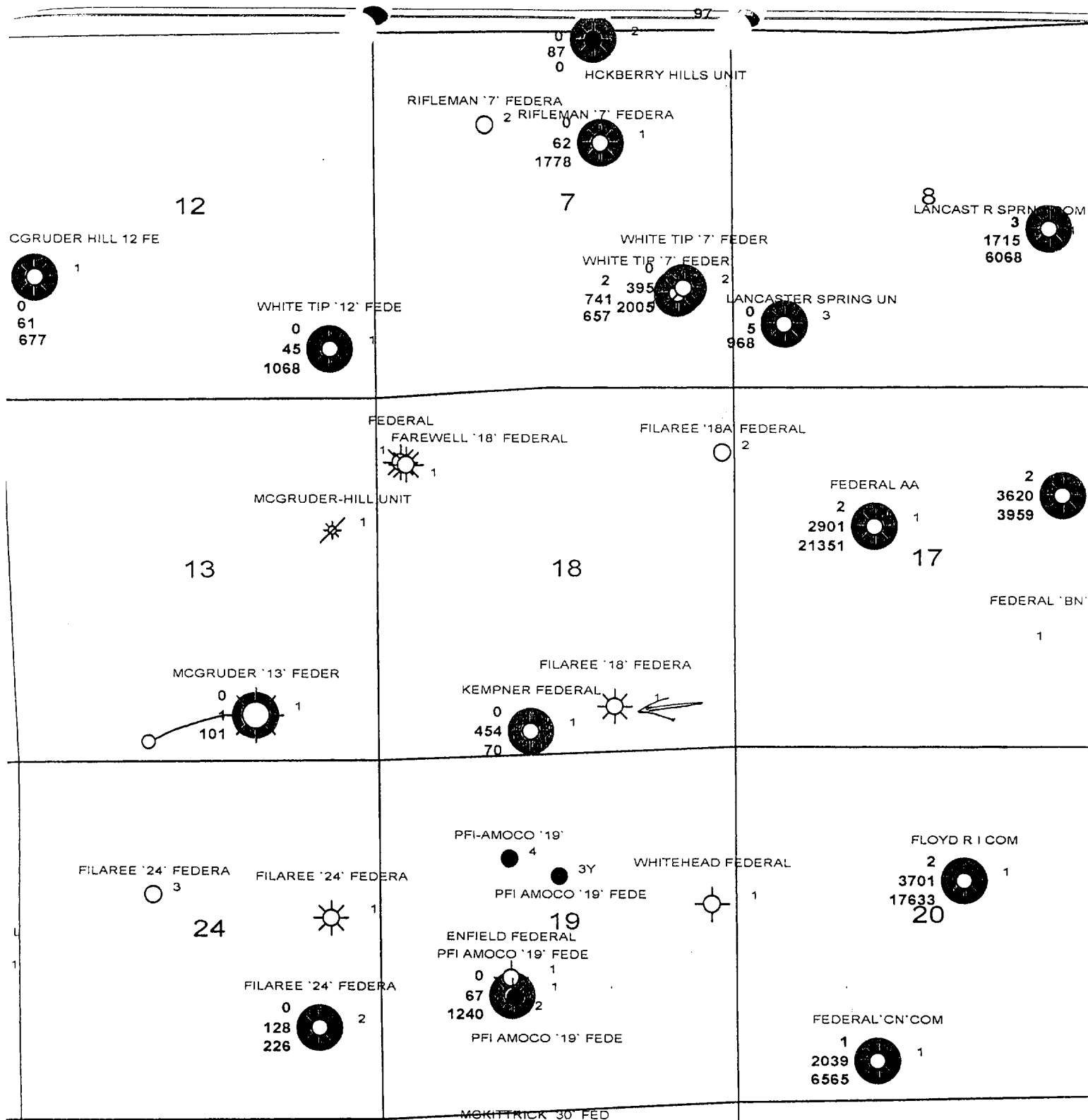
Morrow Perfs: 11,458 - 74', 64 holes (0.40" EHD & 32" TTP)

Morrow Perfs: 11,497 - 506', 19 holes (0.40" EHD & 32" TTP)

PBTD @ 11,753' (Top of TCP fish @ ±11,689')

5 1/2" @ 11,815'. Csg cmt'd w/1,010 sxs. TOC @ 6,450' f/CBL

TD @ 11,815' MD



LEGEND

● MORROW PRODUCERS
 MBBL/MMCF/BBL

Devon Energy

PB-EDDY & LEA CO NM (LEW)
 22S-26E
 FILAREE 18 FEDERAL #1

William Laura

2/28/02

Scale 1:24000

1822528E GPF

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-104
Revised July 28, 2000

Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

| | | | | | |
|--|--|--|--|-----------------------------------|---|
| ¹ Operator name and Address Devon Energy Production Company, L.P. 20 N. Broadway, Suite 1500 OKC, OK 73102 | | Wally Frank Senior Operations Engr. (405) 552-4595 | | ² OGRID Number 6137 | ³ Reason for Filing Code/ Effective Date NW |
| ⁴ API Number 30-015-31707 | ⁵ Pool Name Happy Valley (Morrow) | | | ⁶ Pool Code 78060 | |
| ⁷ Property Code 27976 | ⁸ Property Name Filaree "18" Federal | | | ⁹ Well Number 1 | |

II. ¹⁰ Surface Location

| | | | | | | | | | |
|--------------------|---------------|-----------------|--------------|---------|-----------------------|---------------------------|------------------------|------------------------|--------------------|
| UL or lot no. O | Section 18 | Township 22S | Range 26E | Lot.Idn | Feet from the 660' | North/South Line south | Feet from the 1910' | East/West line east | County Eddy, NM |
|--------------------|---------------|-----------------|--------------|---------|-----------------------|---------------------------|------------------------|------------------------|--------------------|

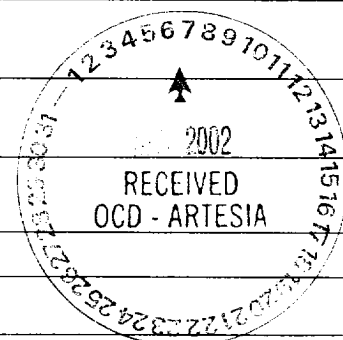
¹¹ Bottom Hole Location

| | | | | | | | | | |
|--------------------|---------------|-----------------|--------------|----------|------------------------|---------------------------|-----------------------|------------------------|--------------------|
| UL or lot no. I | Section 18 | Township 22S | Range 26E | Lot. Idn | Feet from the 1935' | North/South line south | Feet from the 712' | East/West line east | County Eddy, NM |
|--------------------|---------------|-----------------|--------------|----------|------------------------|---------------------------|-----------------------|------------------------|--------------------|

| | | | | | |
|-----------------------------|-------------------------------------|---|-----------------------------------|------------------------------------|-------------------------------------|
| ¹² Lse Code F | ¹³ Producing Method F | ¹⁴ Gas Connection Date Code 03/13/2002 | ¹⁵ C-129 Permit Number | ¹⁶ C-129 Effective Date | ¹⁷ C-129 Expiration Date |
|-----------------------------|-------------------------------------|---|-----------------------------------|------------------------------------|-------------------------------------|

III. Oil and Gas Transporters

| | | | | |
|---------------------------------|--|-------------------|-------------------|--|
| ¹⁸ Transporter OGRID | ¹⁹ Transporter Name and Address | ²⁰ POD | ²¹ O/G | ²² POD ULSTR Location and Description |
| 151618 | El Paso Field Svcs 1001 Louisiana Street Houston, TX 77002 | 2831568 | G | 660' FSL & 1910' FEL, Unit O Sec. 18-T22S-R26E Eddy Cnty, NM |
| 15694 | Navajo | 2831659 | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |



IV. Produced Water

| | |
|------------------------------|---|
| ²³ POD 2831660 | ²⁴ POD ULSTR Location and Description 660' FSL & 1910' FEL, Unit O, Sec. 18-T22S-R26E, Eddy, NM |
|------------------------------|---|

V. Well Completion Data

| | | | | | | |
|---------------------------------------|--|--------------|-------------------------|----------------------------------|--|-----------------------|
| ²⁵ Spud Date 06/18/2001 | ²⁶ Ready Date 09/13/2001 | MD 11815' | TD 11429' | ²⁷ PBDT 11,753' MD | ²⁸ Perforations 11458-11474' | ²⁹ DHC, MC |
| ³¹ Hole Size | ³² Casing & Tubing Size | | ³³ Depth Set | | ³⁴ Sacks Cement | |
| 17 1/2" | 13 3/8" 48# L-80 | | 628' | | 820 sx | |
| 12 1/2" | 9 5/8" 40# J-55 | | 2236' | | 1250 sx | |
| 8 3/4" | 5 1/2" 17# & 20# L80 | | 11,815' | | 1010 sx | |
| | 2 3/8" 4.7# L-80 | | packer at 11,337' | | | |

VI. Well Test Data

| | | | | | |
|---------------------------------------|---|---------------------------------------|--|---|--------------------------------------|
| ³⁵ Date New Oil / /0000 | ³⁶ Gas Delivery Date 12/03/2001 | ³⁷ Test Date 09/13/2001 | ³⁸ Test Length calc 24 hr rate | ³⁹ Tbg. Pressure 2227 psi | ⁴⁰ Csg. Pressure |
| ⁴¹ Choke Size 10/64" | ⁴² Oil 0 BCPD | ⁴³ Water 0 BWPD | ⁴⁴ Gas 7650 MCFGD | ⁴⁵ AOF 2500 MCFGD | ⁴⁶ Test Method flowing |

I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Candace R. Graham

Printed name: Candace R. Graham X4520

Title: Engineering Tech.

Date: 03/06/2002 Phone: (405)235-3611

Approved by:

OIL CONSERVATION DIVISION
ORIGINAL SIGNED BY TIM W. GUM
DISTRICT II SUPERVISOR

Title:

Approval Date:

MAR - 8 2002