

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
N.M. Oil Conservation Division
811 S. 1st Street
Artesia, NM 88210-2834

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

CONFIDENTIAL

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)
SHL: 1320' FSL & 2323' FWL, Lot 10, Section 20-21S-26E, Eddy County, NM
BHL: 1677' FSL & 2007' FWL, Unit K, Section 20-21S-26E, Eddy County, NM

5. Lease Designation and Serial No.
SHL & BHL: NM-NM84-B

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

7. If Unit or CA, Agreement Designation
N/A

8. Well Name and No.
ARCO "20" FEDERAL COM. #2

9. API Well No.
30-015-30599

10. Field and Pool, or Exploratory Area
Avalon (Morrow)

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

ACCEPTED FOR RECORD

- ☐ Abandonment
- ☐ Recompletion
- ☐ Plugging Back
- ☐ Casing Repair
- ☐ Altering Casing
- ☒ Other Completion

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

(Note: Report results of multiple completion on 1 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.)*

Drld DV tool at 6493'; press tested 7" casing to 1500 psi before and after. Tagged PBTD 11,272'. Circ'd hole clean with 2% KCl-claytreat-surfactant. Wedge/Baker ran CBL which showed TOC at 350'. Set packer at 10,900'. Swabbed 2 3/8" tubing to frac tank.

Perf'd Morrow at 11,158-11,169' (11 holes, 0.3" EHD). Swab tested. RU BJ Srvs. Pumped 1000 gals 7 1/2% HCl-25% methanol + 130,000 scf N2 down tubing at AIR 5.2 BPM with 5500 psi. ISIP 5709 psi. Swabbed and flowed. Dropped soap sticks. Ran BHP bombs and SI for BU for 48 hr test. Pulled Baker FSG plug and BHP bombs. Used 47,000 scf N2 to press up tubing. RU Wedge/Baker.

Perf'd Morrow at 11,094-11,100' (3 holes, 0.3" EHD) and 11,042-11,046' (3 holes, 0.3" EHD). Flow tested. Ran gauge ring to PBTD. Set FSG plug in the lower "F" nipple. POH with 2 3/8" tubing. TIH with 2 7/8" frac string. Pickled tubing with 500 gals 15% HCl. Displaced tubing with N2, stung into packer, flowed to pit. Acid-frac'd Morrow perfs 11,042-11,169' down tubing with 1000 gals 7 1/2% HCl + 500 scf/bbl N2 + 12 bio-sealers at AIR 4 BPM with 3000 scfm N2. ISIP 4400 psi. SD 1 hr for bio-sealers to fall. Continued with 42,000 gals mixed 70 quality binary foam + 60,000# Ceramax-I 20/40 sand at AIR 13 BPM with 10,000 psi. Screened out with 44,500# sand in formation, left 6540# in tubing. Flowed to pit to clear sand. TIH with RBP, set at 10,850'. POH with frac string. Ran treating packer, set at 10,290'. Press tested to 500 psi, held OK. Swab tested. RU Wedge/Baker.

Perf'd Morrow at 10,435-10,439' (9 holes, 0.3" EHD) and 10,445-10,448' (7 holes, 0.3" EHD). Swabbed tested. Reset RBP and press tested casing. Set RBP at 10,000', packer at 9803'. Press tested annulus and RBP. (Continued on reverse)

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

Candace R. Graham

Signed Candace R. Graham

Title Engineering Technician

Date December 29, 1999

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

Devon Energy Corporation (Nevada)
API 30-015-30599, NM-NM84B
ARCO "20" FEDERAL COM. #2

SHL: 1320' FSL & 2323' FWL, Lot 10, Section 20-21S-26E
BHL: 1677' FSL & 2007' FWL, Unit K, Section 20-21S-26E

Eddy County, NM

Sundry Notice of completion

12-29-1999

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(Continued from the front.)

Perfd Strawn at 9897-9903' (13 holes, 0.3" EHD). Flowed to pit, swabbed, dropped soap sticks. Acidized down tubing with 1000 gals 15% HCl + 10,000 scf N₂ + 15 bio-sealers at AIR 6 BPM with 5300 psi. ISIP 4900 psi. Swabbed and flowed. Frac'd down tubing with 18,000 gals 70 quality Vistar foam + 32 tons CO₂ + 200,000 scf N₂ + 25,500# 20/40 bauxite at AIR 10 BPM with 8200 psi. ISIP 9421 psi. Screened out with 18,000# sand in formation. Flowed to pit to clear sand. Swabbed tested. Tagged 9841', 56' sand above top perf. Ran 1 1/4" coiled tubing. Jetted sand with N₂ to 10,000'. Circ'd. Swabbed. TOH with packer. Washed sand off RBP and TOH but left some rubber in hole. Ran new RBP, set at 9800'. Set packer, press tested RBP, TOH with packer.

Perfd Canyon at 9553-9563' (40 holes, 0.3" EHD) and 9632-9646' (56 holes, 0.3" EHD). Set packer at 9427' and press tested annulus. Swabbed. Acid-frac'd down tubing with 20,000 gals gelled 20% acid + 50 bio-sealers at AIR 20 BPM with 6733 psi. ISIP 3551 psi. Flowed to tank and pit, swabbed, dropped soap sticks. POH with treating packer. Unset RBP but stuck in hole. Fished RBP and packer (from 10,900').

Ran gauge ring to 10,940'. Set 7" Baker Model "D" 84-26 packer at 10,905' for long string to Morrow. Circ'd packer fluid. Set 2 3/8" Baker Dual 47-C2 packer at 9781' for short string to Canyon/Strawn. Sliding sleeve is at 9725'. Put "2 bubbles" around down tubing thru sliding sleeve and up annulus for total 250,000 scf N₂. Swabbed LS. TTH to catch press plug, slickline stuck in hole, cut off same. Shut in LS, swabbed SS. Fished slickline. Swabbed LS. Fishing press plug. Flowed and swabbed tested.

Opened LS (Morrow) to sales line on 10-08-1999 for testing. RU swab on SS (Canyon/Strawn). Alternately swabbed, flowed to frac tank, dropped soap sticks. RU foam unit (to unload water). BJ Srvs pumped 40 and 80 quality foam alternately down casing and tubing. Ran swab, hit tight spots. Ran sinker bar and mandrel up and down to 8500' and stuck. Pumped 630 gals 10% acetic + 15 bbls flush at AIR 2 BPM with 172 psi. POH and checked swab, etc. Reran swab. Pumped 600 gals 10% acetic + 5 bbls flush at AIR 2 BPM with 60 psi. Ran gauge ring. Shut in SS several days.

Ran tubing broach to 9610'. Ran bailer, cleaned out to 9810'. Set tubing plug in "R" nipple at 9766'. Began unloading fluid, casing press dropped. Swabbed. Ran sinker bar. Shut in SS several days. RU L&R Well Srv. Bled down casing. Dumped 3000' fluid down casing. Installed back press valve in LS. NU BOP. Pulled out of dual packer. Landed SS string, ND BOP. Pulled BPV out of LS and RTP. Alternately swabbed and flowed SS to frac tank, dropped soap sticks. Ran bailer. POH with equalizing prong. Fished tubing plug. Repeated swab, etc. RU BJ Srvs. Treated Strawn perfs 9897-9903' down tubing with 2500 gals methanol + 8 tons CO₂ at AIR 0.7 BPM with 3850 psi. ISIP 3700 psi. Continue swab testing SS to evaluate for further stimulation jobs.

