

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DU.

NM 011-CONS. COM.
Drawings
88210FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

CISF

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

| | | | |
|--|--------------------------------|--|------------------|
| 1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other <input type="checkbox"/> | | 5. LEASE DESIGNATION AND SERIAL NO. NM10190 | |
| 1b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. REINFR. <input type="checkbox"/> Other <input type="checkbox"/> | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A | |
| 2. NAME OF OPERATOR Devon Energy Corporation (Nevada) | | 7. UNIT AGREEMENT NAME East Shugart Unit | |
| 3. ADDRESS AND TELEPHONE NO. 20 N. Broadway, Suite 1500, OKC, OK 73102-8260 405/235-3611 | | 8. FARM OR LEASE NAME, WELL NO. East Shugart Unit #40 | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1650' FNL & 840' FEL At top prod. interval reported below same At total depth same | | 9. API WELL NO. 30-015-27690 | |
| 14. PERMIT NO. N/A | | 10. FIELD AND POOL, OR WILDCAT Shugart (Y-SR-Q-G) | |
| 15. DATE SPUDDED 11-20-93 | | 11. SEC., T., R., E., OR BLOCK AND SURVEY OR AREA Unit H Sec. 34-T-18S-R31E | |
| 16. DATE T.D. REACHED 12-01-93 | | 12. COUNTY OR PARISH Eddy | |
| 17. DATE COMPL. (Ready to prod.) 07-20-94 | | 13. STATE NM | |
| 18. ELEVATIONS (DP, RKB, ET, GB, ETC.)* GL 3637.9' | | 19. ELEV. CASINGHEAD | |
| 20. TOTAL DEPTH, MD & TVD 4013' | | 21. PLUG BACK T.D., MD & TVD 3883' | |
| 22. IF MULTIPLE COMPL., HOW MANY* N/A | | 23. INTERVALS DRILLED BY ROTARY TOOLS X CABLE TOOLS | |
| 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 2736-2752' Yates 3651-3853' Queen | | 25. WAS DIRECTIONAL SURVEY MADE Yes | |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN ZDL/CN/GR/C and DLL/MLL/GR/C | | 27. WAS WELL CORED No | |
| 28. CASING RECORD (Report all strings set in well) | | | |
| CASING SIZE/GRADE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE |
| 8 5/8" J-55 | 24 | 973' | 12 1/4" |
| 5 1/2" J-55 | 15.5 | 4009' | 7 7/8" |
| 29. LINER RECORD | | | |
| SIZE | TOP (MD) | BOTTOM (MD) | BACKS CEMENT* |
| | | | |
| 30. TUBING RECORD | | | |
| SIZE | DEPTH SET (MD) | PACKER SET (MD) | |
| 2 7/8" | 3890' | | |
| 31. PERFORATION RECORD (Interval, size and number) | | | |
| 2736-2752', 17 holes, .40" EHD | | | |
| 3651-3670', 20 holes, .40" EHD | | | |
| 3766-3781', 8 holes, .40" EHD | | | |
| 3822-3825', 14 holes, .40" EHD | | | |
| 3840-3853', 14 holes, .40" EHD | | | |
| 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. | | | |
| DEPTH INTERVAL (MD) | | AMOUNT AND KIND OF MATERIAL USED | |
| 3766-3853' | | 2500 gals 15% HCl + 80 BS | |
| | | 30,500 gals YP130 + 50,000# 20/40 | |
| | | sd + 23,000# 16/30 RC sd | |
| | | (continued on reverse) | |
| 33. PRODUCTION | | | |
| DATE FIRST PRODUCTION 07-11-94 | | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 2 1/2" x 2" x 16' BHD pump | |
| DATE OF TEST 07-28-94 | | WELL STATUS (Producing or shut-in) Prdg | |
| HOURS TESTED 24 | CHOKED SIZE | PROD'N. FOR TEST PERIOD OIL—BBL. 21 | GAS—MCF. TSTM |
| WATER—BBL. 321 | GAS-OIL RATIO N/A | | |
| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE OIL—BBL. 21 | GAS—MCF. TSTM |
| WATER—BBL. 321 | OIL GRAVITY-API (CORR.) 34° | | |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) N/A | | | |
| 35. LIST OF ATTACHMENTS Logs and Inclination Report | | | |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records E.L. Buttross, Jr. SIGNED <u>E.L. Buttross, Jr.</u> TITLE <u>District Engineer</u> DATE <u>08-31-94</u> /cg | | | |

*(See Instructions and Spaces for Additional Data on Reverse Side)

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.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. |
|-----------|-------|------------|---|
| Yates | 2640' | 2822' | sand and dolomite |
| Queen | 3328' | 3891' | sand and dolomite |
| | | 2736-2752' | <p>ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. (continued from the front)</p> <p>3651-3670'</p> <p>2000 gals 15% HCl + 40 BS</p> <p>1750 gals 10# linear gelled water + 1125# 20/40 sd + 1000 gals gelled 2% KCl + 5500 gals 30# X-link gel + 9000# 20/40 sd + 8000# 16/30 RC sd</p> <p>2000 gals 15% HCl + 34 BS</p> <p>5500 gals X-link gel + 9000# 20/40 sd + 8000# 16/30 RC sd</p> |

38.

GEOLOGIC MARKERS

| NAME | TOP | |
|----------|-------------|------------------|
| | MEAS. DEPTH | TRUE VERT. DEPTH |
| Rustler | 730' | |
| Salt | 1010' | |
| Yates | 2640 | |
| Queen | 3328' | |
| Grayburg | 3891' | |

RAILROAD COMMISSION OF TEXAS OIL AND GAS DIVISION

Form W-12
(1-1-71)

API 30-015-27690

INCLINATION REPORT (One Copy Must Be Filed With Each Completion Report.)

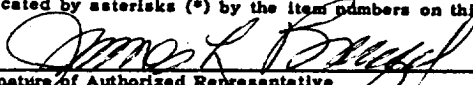
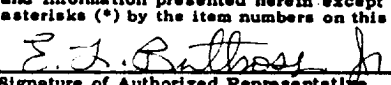
| | | |
|--|---|--|
| 1. FIELD NAME (as per RRC Records or Wildcat) Shugart (Y-SR-Q-G) | 2. LEASE NAME East Shugart Unit | 6. RRC District 7. RRC Lease Number. (Oil completions only) NM10190 |
| 3. OPERATOR Devon Energy Corporation (Nevada) | | 8. Well Number 40 |
| 4. ADDRESS 20 N. Broadway, Ste 1500, Oklahoma City, OK 73102-8260 | | 9. RRC Identification Number (Gas completions only) |
| 5. LOCATION (Section, Block, and Survey) Sec. H-34-T18S-R31E, 1650' FNL & 840' FEL | | 10. County Eddy, NM |

RECORD OF INCLINATION

| 11. Measured Depth (feet) | 12. Course Length (Hundreds of feet) | 13. Angle of Inclination (Degrees) | 14. Displacement per Hundred Feet (Sine of Angle X100) | 15. Course Displacement (feet) | 16. Accumulative Displacement (feet) |
|------------------------------|---|--|--|-----------------------------------|---|
| 240 | 240 | 1/4 | .44 | 1.50 | 1.50 |
| 464 | 224 | 1/2 | .88 | 1.97 | 3.47 |
| 714 | 250 | 1 | 1.75 | 4.37 | 7.84 |
| 975 | 261 | 1 1/4 | 2.19 | 5.71 | 13.55 |
| 1461 | 486 | 2 | 3.50 | 17.01 | 30.56 |
| 1926 | 465 | 3 3/4 | 6.56 | 30.50 | 61.06 |
| 2112 | 186 | 3 3/4 | 6.56 | 12.20 | 73.26 |
| 2266 | 154 | 3 | 5.25 | 8.08 | 81.34 |
| 2511 | 245 | 3 1/2 | 6.13 | 15.01 | 96.35 |
| 2762 | 251 | 3 3/4 | 6.56 | 16.46 | 112.81 |
| 2918 | 156 | 4 | 7.00 | 10.92 | 123.73 |
| 3108 | 190 | 4 1/4 | 7.44 | 14.13 | 137.86 |
| 3202 | 94 | 4 1/2 | 7.88 | 7.40 | 145.26 |
| 3390 | 188 | 3 | 5.25 | 9.87 | 155.13 |
| 3797 | 407 | 1 1/2 | 2.63 | 10.70 | 165.83 |
| 4013 | 216 | 1 1/2 | 2.63 | 5.68 | 171.51 |

If additional space is needed, use the reverse side of this form.

17. Is any information shown on the reverse side of this form? ☐ yes ☒ no
18. Accumulative total displacement of well bore at total depth of 4013 feet = 171.51 feet.
19. Inclination measurements were made in - ☐ Tubing ☐ Casing ☐ Open hole ☒ Drill Pipe
20. Distance from surface location of well to the nearest lease line _____ feet.
21. Minimum distance to lease line as prescribed by field rules _____ feet.
22. Was the subject well at any time intentionally deviated from the vertical in any manner whatsoever? NO
- (If the answer to the above question is "yes", attach written explanation of the circumstances.)

| | |
|--|--|
| INCLINATION DATA CERTIFICATION I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of the inclination data and facts placed on both sides of this form and that such data and facts are true, correct, and complete to the best of my knowledge. This certification covers all data as indicated by asterisks (*) by the item numbers on this form.  _____ Signature of Authorized Representative <u>James L. Brazeal - President</u> Name of Person and Title (type or print) <u>Brazeal Inc. d/b/a CapStar Drilling</u> Name of Company Telephone: <u>214 727-8367</u> Area Code | OPERATOR CERTIFICATION I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of all information presented in this report, and that all data presented on both sides of this form are true, correct, and complete to the best of my knowledge. This certification covers all data and information presented herein except inclination data as indicated by asterisks (*) by the item numbers on this form.  _____ Signature of Authorized Representative <u>E.L. Buttross, Jr. District Engineer</u> Name of Person and Title (type or print) <u>Devon Energy Corporation (Nevada)</u> Operator Telephone: <u>(405) 235-3611</u> <u>X4509</u> /cg Area Code |
|--|--|

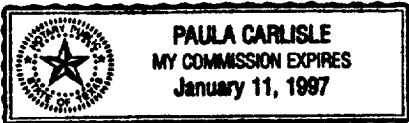
Railroad Commission Use Only:

Approved By: _____ Title: _____ Date: _____

* Designates items certified by company that conducted the inclination surveys.

STATE OF TEXAS }
 }
COUNTY OF COLLIN }

The attached instrument was acknowledged before me on the
27th day of June, 1994 by James L. Brazeal as
President of BRAZEAL, INC. d/b/a CapStar Drilling.



Paula Carlisle
Paula Carlisle - Notary Public

My commission expires:
January 11, 1997

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CONS COMMISSION
FORM APPROVED
Drawn by DD
Bureau No 1004-0135
Artesia MM 00210993
5. Lease Designation and Serial No
NM10190

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 N. Broadway, Suite 1500, OKC, OK 73102-8260 (405) 235-3611

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1650' FNL & 840' FEL
Section 34-T18S-R31E, Unit H

6. If Indian, Algonquian or Tribe Name

7. If Unit or CA, Agreement Designation

East Shugart Unit

8. Well Name and No.
East Shugart Unit #40

9. API Well No.
30-015-27690

10. Field and Pool, or Exploratory Area
Shugart (Y-SR-Q-G)

11. Country or Parish, State

Eddy Cnty, NM

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

TYPE OF SUBMISSION

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

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other perforates, acidize and frac

- ☐ 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.)

07-05-94 thru 07-07-94 Pumped at a rate of 22 BOPD and 156 BWPD on a 6 hr test. RU L&R pulling unit. Pulled rods and pump. Lowered tbg 6' and tagged sand fill on RBP at 3721'. Ran 2 7/8" tbg w/retrievinghead. Washed sand off RBP at 3721'. Latched onto RBP and released. Pulled RBP to 3000' and tried to set but would not set. POH w/RBP. Wedge WL perf'd Yates at 2736-2752' w/1 JSPF (.40" EHD) for a total of 17 holes. Ran new RBP w/Uni-V packer. Set RBP at 3000'. Pulled packer above RBP and set. Tested to 1000 psi, held OK. Pulled packer to 2752' and spotted 2 bbls 15% NeFe acid across perfs 2736-2752'. Pulled packer to 2608' and set. Press'd annulus to 500 psi. BJ Srv acidized Yates perfs 2736-2752' w/2000 gals 15% NeFe acid + 34 ball sealers. Formation broke at 2000 psi. Balled out at 3500 psi. AIR 4.2 BPM w/1500 psi. ISIP 1180 psi, 5 mins 1175 psi, 10 mins 1135 psi, 15 mins 1120 psi. 102 BLWTR. Flwd 30 BLW and died. Swabbed back load water.

(Continued on reverse.)

3 1004
SJS

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

Signed E.L. Buttross, Jr.

E.L. Buttross, Jr.
Title District Engineer

(This space for Federal or State office use)

Date 07-14-94 /cg

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 representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

Devon Energy Corporation (Nevada)
East Shugart Unit # 40, API 30-015-27690
Perf Yates, acidize and frac
July 14, 1994
Page Two

07-09-94 thru 07-11-94 Dowell frac'd Yates perfs 2736-2752' w/500 gals prepad w/1 drum scale inhibitor + 5500 gals X-Link gelled 2% KCl water + 9000# 20/40 Ottawa sand + 8000# 16/30 curable resin coated sand. Max press 2530 psi, avg press 2000 psi at 12 BPM. ISIP 1360 psi. 198 BLWTR. Flwd back and force closed at 1100 psi. Flwd back 105 BLW and died. Released Uni-V packer. Lowered packer to 2925' and tagged sand. Pulled tbg and packer. Ran 95 jts 2 7/8" tbg, 2 1/2" x 2" x 16' pump and 114 rods. Hung well on. Pump testing.