

devon

ENERGY CORPORATION

20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102-8260

Telephone 405/235-3611
FAX 405/552-4550

VIC - data WFX-678

41552

April 2, 1996

Certified Mail No. Z 253 342 825

US DEPT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Post Office Box 1778
Carlsbad, New Mexico 88221-1778

RE: East Shugart Unit Nos.
6, 9, 22, 23, 24, 32
Eddy County, NM

*FILE IN APPROPRIATE
WFX*

Gentlemen:

Concerning the referenced wells, enclosed please find originals, and five copies each, of Forms 3160-5, Sundry Notices of work on water injection wells.

Please direct inquiries concerning this matter to Ernie Buttross, Jr., at (405) 235-3611, X4509.

Yours truly,

DEVON ENERGY CORPORATION (NEVADA)

Candace R. Graham

Candace R. Graham
Engineering Tech.

/cg

Enclosures

copy: EB, files

Nmoco, Santa Fe & Artesia

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WFX-678

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 WIW

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)
990' FNL & 2310' FWL, Unit C, Section 35-18S-31E

5. Lease Designation and Serial No.

NM10190

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

14-08-001-11572 East Shugart Ut

8. Well Name and No.

EAST SHUGART UNIT #6

9. API Well No.

30-015-05696

10. Field and Pool, or Exploratory Area

Shugart (Y-7R-Q-GB)

11. County or Parish, State

Eddy Cnty, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>Replace tbg and acidize</u>	<input type="checkbox"/> 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.)*

01-03-96 thru 01-04-96 NU BOP. POH w/2 7/8" tbg and seal assembly. Ran I.P.C. Baker anchor seal assembly w/on-off tool, "F" profile nipple and 87 jts 2 3/8" 4.7# J-55 8rd EUE I.P.C. tbg (TK-70). Stung into model "D" packer at 2850'. Released on-off tool. Circ'd hole w/packer fluid. Latched onto on-off tool.

Ran MIT test at 500 psi for 30 mins, held OK.

Dowell acidized perfs 3360-3877' w/5000 gals 15% NeFe acid + 500 gals Xylene + 1000# rock salt at AIR 5 BPM w/1300 psi. ISIP 530 psi, 15 mins 250 psi.

Replaced injection line. **Returned to injection on 03-01-96.**

03-04-96 Injected 394 BWPD w/180 psi injection press.

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

Candace R. Graham

Signed Candace R. Graham

Title Engineering Technician

Date April 2, 1996

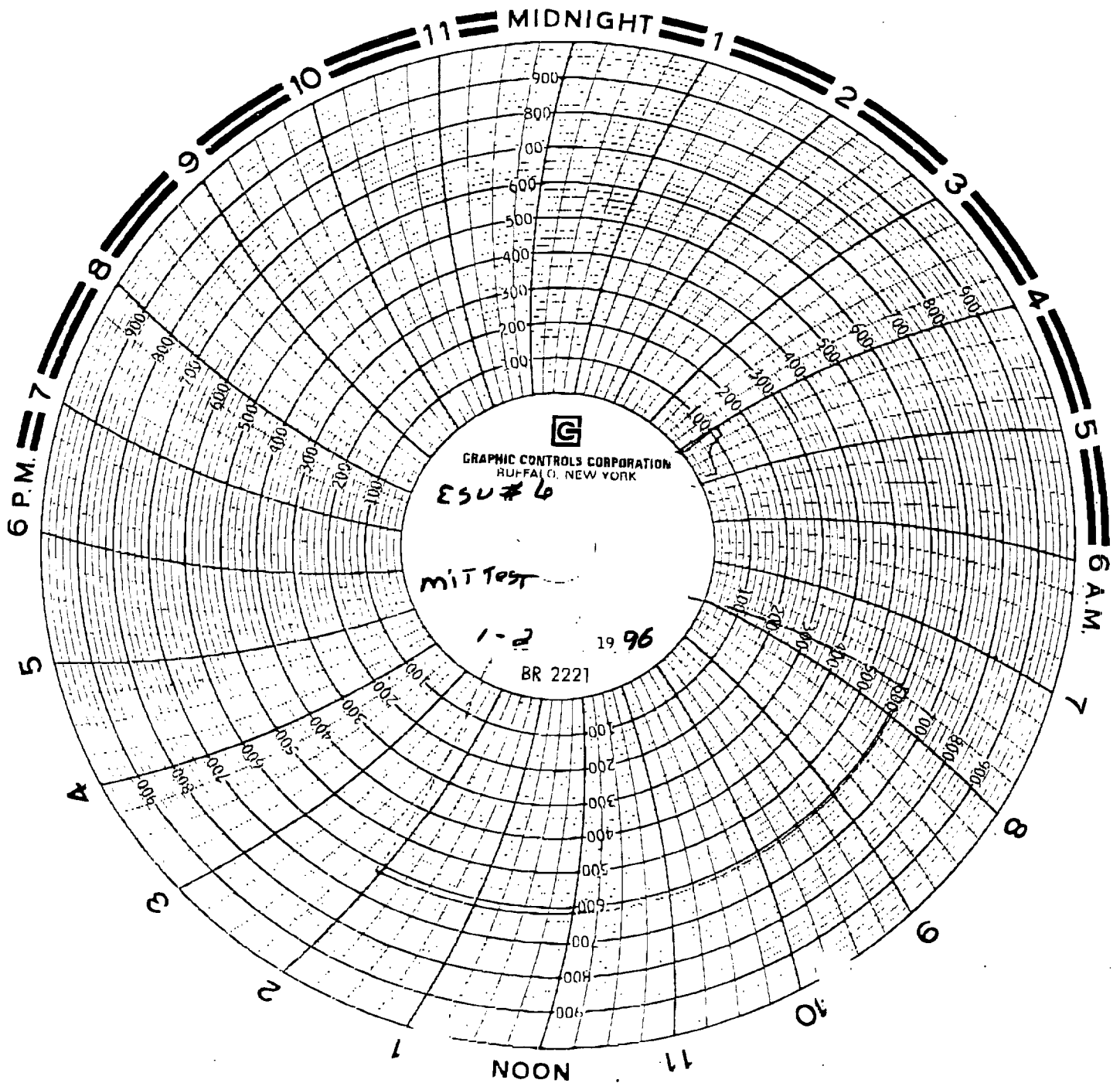
(This space for Federal or State office use)

Approved by _____

Title _____

Date _____

Conditions of approval, if any:



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SUBMIT IN TRIPLICATE

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

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)
1650' FNL & 990' FWL, Unit H, Section 35-18S-31E

5. Lease Designation and Serial No.
NM10191
6. If Indian, Allottee or Tribe Name
N/A
7. If Unit or CA, Agreement Designation
14-08-001-11572 East Shugart Ut
8. Well Name and No.
EAST SHUGART UNIT #9
9. API Well No.
30-015-05703
10. Field and Pool, or Exploratory Area
Shugart (Y-7R-Q-GB)
11. County or Parish, State
Eddy Cnty, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input checked="" type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other _____	<input type="checkbox"/> 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.)*

Per administrative order No. WFX-678, well #9 was converted to injection as follows.

01-28-96 thru 02-01-96 Ran 4 3/4" bit, DC's and 103 jts 2 3/8" tbg to 3354'. Drld on CIBP at 3354'. Drld scale 3450-3909'. Ran 5 1/2" Johnson tension packer on 2 3/8" work string, set at 3335'. Press'd backside to 500 psi, held OK. Acidized w/5000 gals 15% NeFe acid + 500 gals Xylene + 2000# rock salt at AIR 4.3 BPM w/1200 psi. ISIP 990 psi, 15 mins 705 psi.

POH w/packer. Ran Baker J-Loc nickel plated packer w/on-off tool and "F" nipple on 2 3/8" plastic coated tbg. Set packer at 3330'. Circ'd hole w/packer fluid. Latched onto packer w/on-off tool. Ran MIT test at 530 psi for 30 mins, held OK. Chart attached.

Installed injection line. **On 03-01-96 commenced injection.**
03-04-96 Injected 426 BWPD w/440 psi injection press.

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

Signed Candace R. Graham

Candace R. Graham

Title Engineering Technician

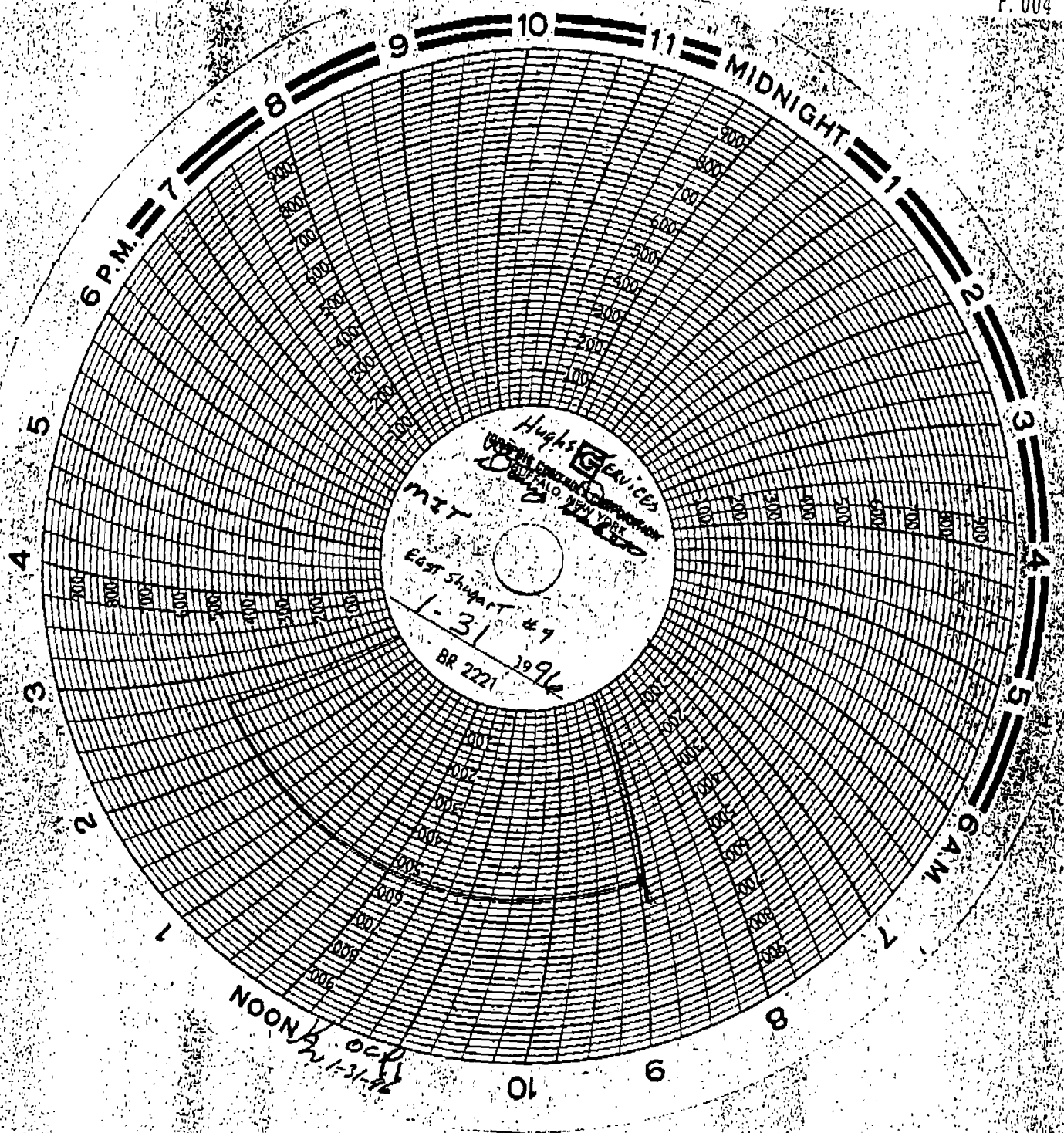
Date April 2, 1996

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

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SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

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

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)
2310' FSL & 2310' FEL, Unit J, Section 35-18S-31E

5. Lease Designation and Serial No.

NM10191

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

14-08-001-11572 East Shugart Ut

8. Well Name and No.

EAST SHUGART UNIT #22

9. API Well No.

30-015-05698

10. Field and Pool, or Exploratory Area

Shugart (Y-7R-Q-GB)

11. County or Parish, State

Eddy Cnty, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>Ran 4 1/2" liner, replaced tbg, acidized</u>	<input type="checkbox"/> 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.)*

01-05-96 thru 01-19-96 POH w/2 3/8" tbg short string, long string, upper packer and seal assembly. Milled on Model "D" packer at 2920' and pushed to 3847'. Milled out rest of packer. Drld scale to PBTD 3940'.
Ran 7" CIBP on 2 3/8" tbg, set at 3332'. Ran 74 jts 4 1/2" 10.5# J-55 8rd liner, set at 3331.61'. Cemented liner w/200 sx Lite + 125 sx Class "A". Circ'd 60 sx cement to surface. Tagged cement in 4 1/2" liner at 3199'. Drld cement, float collar, guide shoe and CIBP (at 3332'). TIH to PBTD at 3917'. Circ'd hole clean.
Ran packer, set at 3300'.
Dowell acidized perfs 3391-3912' w/5000 gals 15% NeFe acid + 500 gals Xylene + 2200# rock salt at AIR 4.7 BPM w/1750 psi. ISIP 590 psi, 15 mins 340 psi.
Ran 101 jts 2 3/8" I.P.C. 4.7# J-55 TK-70 tbg, on-off tool (w/1.78" profile nipple) and Baker J-Lok nickel coated packer. Set packer at 3304'.
Circ'd hole w/packer fluid. Latched onto on-off tool.
Ran MIT test at 580 psi for 30 mins, held OK.

Installed new injection line. Returned to injection on 03-01-96.

03-04-96 Injected 495 BWPD at 250 psi.

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

Signed Candace R. Graham

Candace R. Graham

Title Engineering Technician

Date April 2, 1996

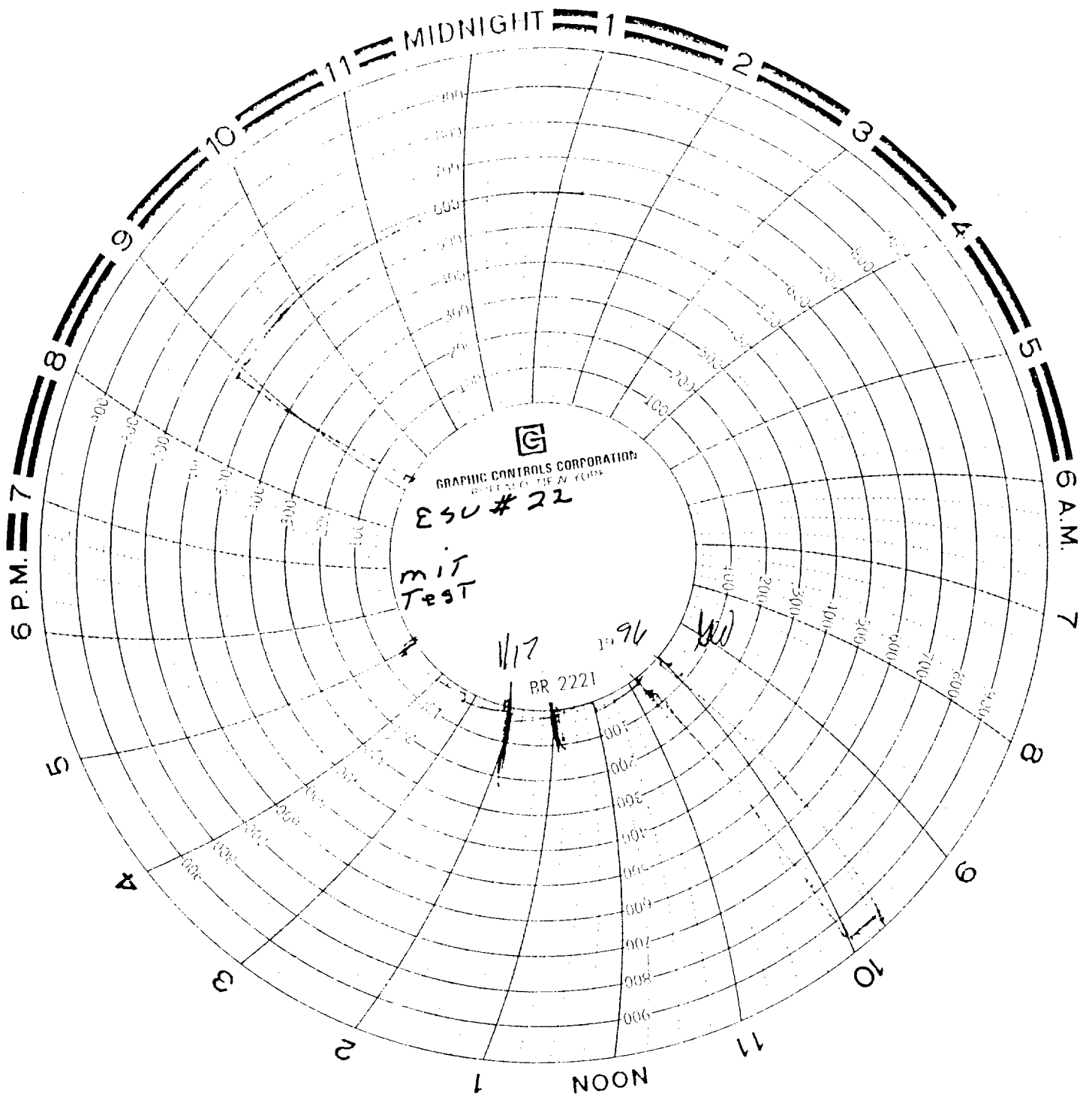
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SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

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

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)
330' FSL & 2329' FEL, Unit O, Section 35-18S-31E

5. Lease Designation and Serial No.
NM10191
6. If Indian, Allottee or Tribe Name
N/A
7. If Unit or C.A. Agreement Designation
14-08-001-11572 East Shugart Ut
8. Well Name and No.
East Shugart Unit #23
9. API Well No.
30-015-05699
10. Field and Pool, or Exploratory Area
Shugart (Y-SR-Q-G)
11. County or Parish, State
Eddy Cnty, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>Ran tie-back liner, replaced tbg, perf'd, acid</u>	<input type="checkbox"/> 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)*

01-18-96 thru 01-28-96 POH w/2 3/8" tbg short string, long string and packer. Milled on Model "D" packer at 2855' and recovered same. Drld fill and scale to PBTD 3950'. Ran 4 1/2" CIBP on 2 3/8" tbg, set at 3049'. Tagged 4 1/2" csg at 2979'. Milled to 2979'. Ran 65 jts 4 1/2" 10.5# J-55 8rd tie-back liner; set at 2990'. Cemented liner w/170 sx Lite + 80 sx Class "C". Circ'd 9 sx cement to surface. Drld cement, float collar and slip jt. Press tested 4 1/2" liner and slip jt to 650 psi for 15 mins, held OK. Drld CIBP at 3049'. Pushed CIBP to 3949'. TIH to PBTD at 3917'. Circ'd hole clean. Perf'd w/1 JSPF at 3558', 3561', 3565', 3564', 3810', 3812', 3814', 3816', 3826', 3828', 3884', 3885', 3887', 3889', 3890', 3908', 3909', 3910', 3912' and 3914; total 20 holes (.44" EHD). Ran packer, set at 3262'. Dowell acidized perfs 3362-3914' w/5000 gals 15% NeFe acid + 500 gals Xylene + 2000# rock salt at AIR 4.9 BPM w/1600 psi. ISIP 780 psi, 15 mins 570 psi. Ran 100 jts 2 3/8" I.P.C. 4.7# J-55 TK-70 tbg, on-off tool (w/1.78" profile nipple) and Baker J-Lok nickel coated packer. Set packer at 3275'. Displaced hole w/packer fluid. Engaged on-off tool and put 600 psi on backside for 30 mins for MIT test, held OK.

Replaced injection line. On 03-01-96 returned to injection.
03-04-96 Injected 223 BWPD w/250 psi.

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

Signed Candace R. Graham

CANDACE R. GRAHAM
ENGINEERING TECH.

Date 4/2/96

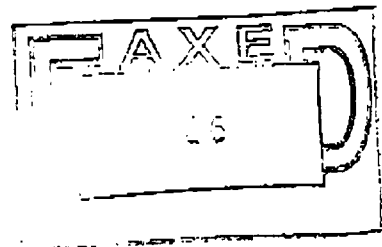
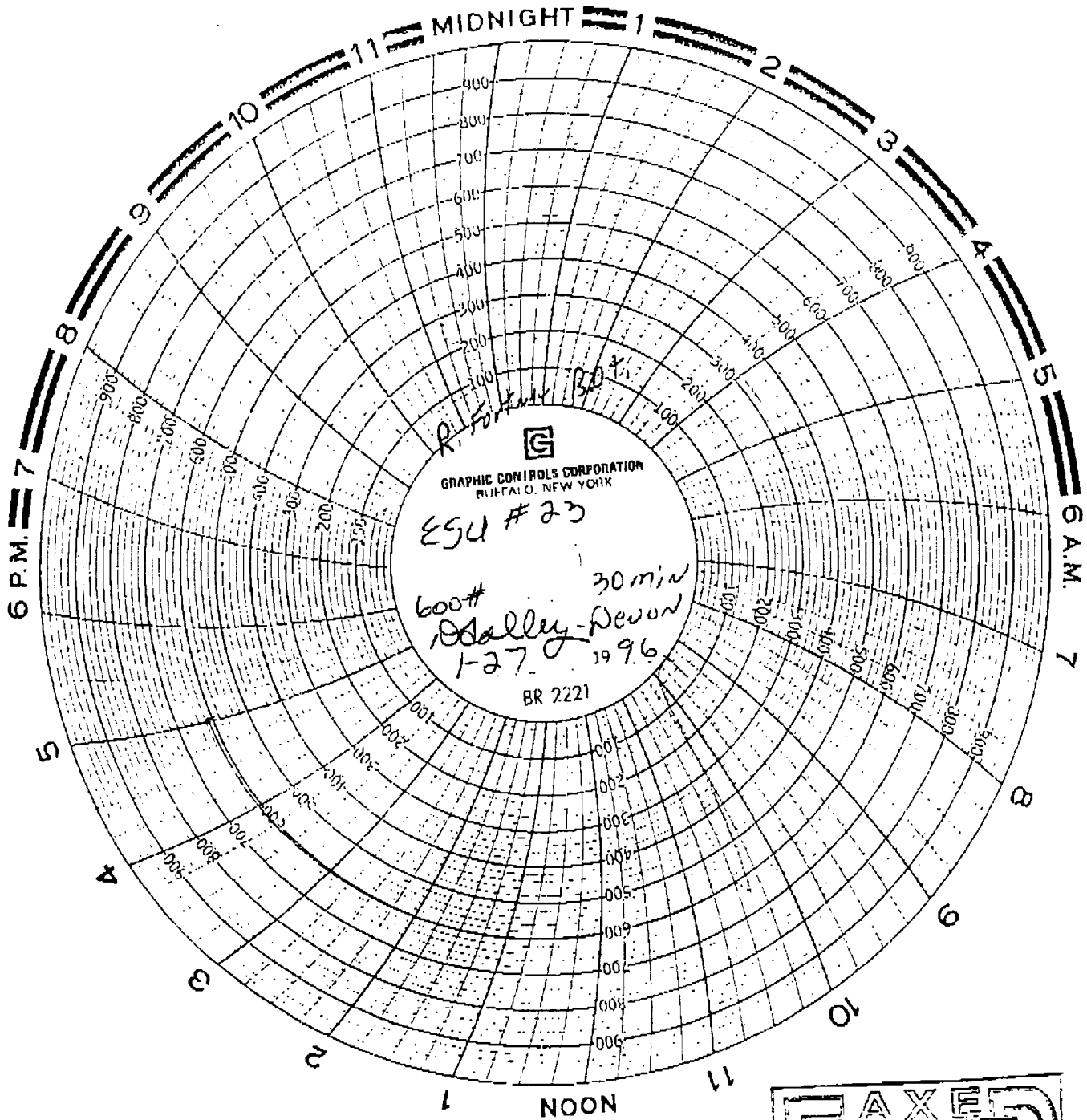
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Approved by _____
Conditions of approval, if any:

Title _____

Date _____

ESU 23



UNITED STATES
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SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

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

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)
990' FSL & 1650' FWL, Unit N, Section 35-18S-31E

5. Lease Designation and Serial No.

NM10190

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

14-08-001-11572 East Shugart Ut

8. Well Name and No.

East Shugart Unit #24

9. API Well No.

30-015-05691

10. Field and Pool, or Exploratory Area

Shugart (Y-SR-Q-G)

11. County or Parish, State

Eddy Cnty, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input checked="" type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other _____	<input type="checkbox"/> 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.)*

Per administrative order No. WFX-678, well #24 was converted to injection as follows.

02-01-96 thru 02-09-96 Milled over CIBP at 2675'. Pushed CIBP to top of liner. Finished milling over CIBP. Drld scale/aluminum/scale to PBTD 3928'. Circ'd hole clean. Tagged 4 1/2" csg at 2979'. Dressed off liner tie-back collar at 3084'. Ran Baker 4 1/2" CIBP on 2 3/8" tbg, set at 3150'.

Ran 68 jts 4 1/2" 10.5# J-55 8rd tie-back liner; set at 3084'. Cemented liner w/175 sx Lite + 125 sx Class "A". Circ'd 65 sx cement to surface. Drld float collar, shoe jt and cement. Press tested tie-back liner to 600 psi. Drld CIBP at 3150'. Pushed CIBP to 3928'. Circ'd hole clean.

Perf'd Queen w/1 JSPF at 3815', 3816', 3818', 3820', 3872', 3874', 3878', 3890', 3892', 3894' and 3897'; total 11 holes (.44" EHD).
Ran packer, set at 3263'.

Dowell acidized perfs 3355-3879' w/5000 gals 15% NeFe acid + 48 BS at AIR 5.5 BPM w/2100 psi. ISIP 780 psi, 15 mins 420 psi. TOH w/packer.

Ran 100 jts 2 3/8" I.P.C. 4.7# J-55 TK-70 tbg, on-off tool (w/1.78" profile nipple) and Baker J-Lok nickel coated packer. Set packer at 3260'. Circ'd hole w/packer fluid. Ran MIT test at 350 psi, bled off to 330 psi in 30 mins, tested OK.

Installed injection line. **On 03-01-96 commenced injection.**

03-04-96 Injected 302 BWPD w/press 0 psi.

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

Signed Candace R. Graham

CANDACE R. GRAHAM
ENGINEERING TECH.

Title

Date 4/2/96

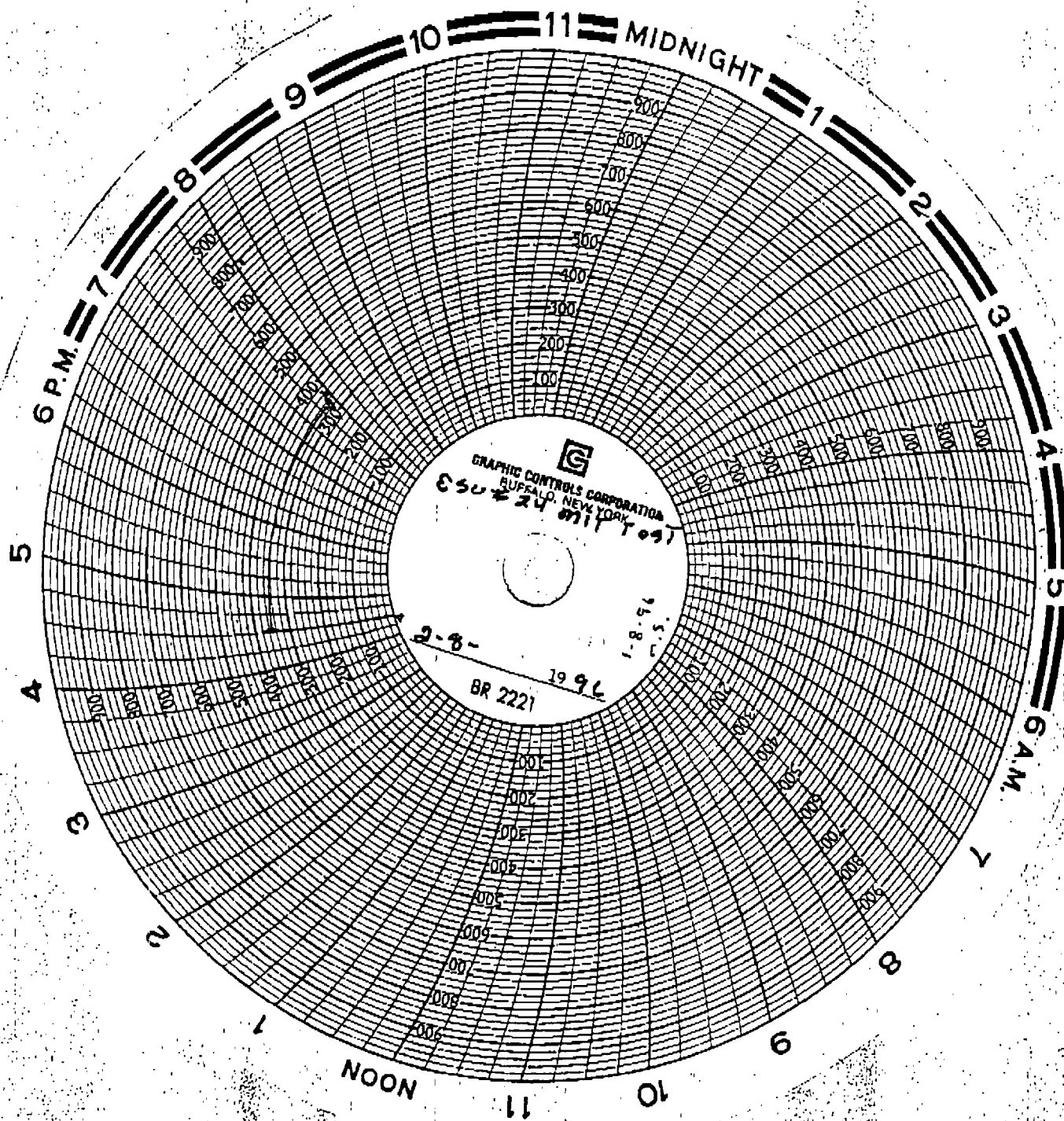
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1. Type of Well
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3. Address and Telephone No.
20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405) 235-3611

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
100' FSL & 990' FWL, Unit M, Section 35-18S-31E

5. Lease Designation and Serial No.
NM10190
6. If Indian, Allottee or Tribe Name
N/A
7. If Unit or CA, Agreement Designation
14-08-001-11572 East Shugart Ut
8. Well Name and No.
EAST SHUGART UNIT #32
9. API Well No.
30-015-20254
10. Field and Pool, or Exploratory Area
Shugart (Y-7R-Q-GB)
11. County or Parish, State
Eddy Cnty, NM

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TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>Replaced tbg, perf'd, acidized, ran liner</u>	<input type="checkbox"/> 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.)*

01-04-96 thru 01-09-96 POH w/2 3/8" tbg and tension packer. Tagged fill at 3096'. Drld scale from 3096' to PBTD 3943'.
Perf'd w/1 JSPF at 3794', 3796', 3798', 3800', 3810', 3812', 3814', 3866', 3870', 3874', 3876', 3892', 3893', 3894', 3895'; total 15 holes (.44" EHD).

Ran Baker J-Lok nickel coated packer and on-off tool (w/1.78" profile nipple) on 2 3/8" I.P.C. 4.7# J-55 TK-70 tbg.
Set packer. Acidized perfs 3352-3891' w/2200 gals 15% NeFe acid + 300 gals Xylene + 800# rock salt at AIR 4 BPM w/1600 psi. ISIP 1000 psi, 15 mins 790 psi.
Circ'd hole w/packer fluid. Reset on-off tool. Ran MIT test at 480 psi, press dropped to 310 psi in 30 mins. SI.

03-15-96 thru 03-26-96 Released packer and POH w/same. Ran 4 1/2" CIBP, set at 3288'. Ran 100 jts 3 1/2" 8.81# L-80 FL4S liner, set at 3287'. Cemented w/100 sx Class "C". Circ'd 30 sx cement to surface. Drld cement, float collar, cement and CIBP at 3288'. CIBP fell to bottom. Circ'd hole clean.

Ran Baker C-1 invertible single-grip nickel plated packer and 100 jts 2 1/16" plastic coated 10rd 3.25# tbg. Circ'd hole w/packer fluid. Set packer at 3266.31'. Ran MIT test, press'd to 300 psi, OK.

Replaced injection line. **On 03-27-96 returned to injection.**
04-01-96 injected 398 BWPD at press 1225 psi.

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

Signed Candace R. Graham Title Engineering Technician Date April 2, 1996
(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

