

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Drawer DD
Artesia, NM 88210

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

5. Lease Designation and Serial No.
LC 029426 A
6. If Indian, Allottee or Tribe Name
NA
7. If Unit or CA, Agreement Designation
NA
8. Well Name and No.
H.E. WEST "A" #5
9. API Well No.
30-015-05064
10. Field and Pool, or Exploratory Area
GRAYBURG-JACKSON
11. County or Parish, State
EDDY CO., NEW MEXICO

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other
2. Name of Operator DEVON ENERGY OPERATING CORPORATION
3. Address and Telephone No. 20 NORTH BROADWAY, SUITE 1500, OKLAHOMA CITY, OKLAHOMA 73102 (405)552-4560
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1980 FSL & 1980 FEL, Sec. 4-T17S-R31E

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

This well currently produces from an open hole section 3196' to 3650'. Seven inch casing is set @ 3196'. Devon Energy Operating Corporation plans to deepen the existing 6 1/4" open hole section to 4070', run and cement 4 1/2", 10.5 ppf, J-55 casing to the surface. The interval 3196' - 4070' will be selectively perforated, acidized and converted to injection.

See attached state application for authority to inject.

SUBJECT TO
LIKE APPROVAL
BY STATE

DEC 16 1994

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

Signed Randy Jackson
This space for Federal or State office use)

Title Randy Jackson
Petroleum Engineer

Date 11/16/94

Approved by Shannon J. Shaw
Conditions of approval, if any:

Title PETROLEUM ENGINEER

Date 12/16/94

Under 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

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN TRIP DATE*
(See other instructions
reverse side)

Form approved.

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a TYPE OF WORK: DRILL ☐ DEEPEN ☒

b TYPE OF WELL:

OIL WELL ☒ GAS WELL ☐ Other _____ SINGLE ZONE ☐ MULTIPLE ZONE ☒

2 NAME OF OPERATOR

DEVON ENERGY OPERATING CORPORATION

3. ADDRESS AND TELEPHONE NO.

20 N. BROADWAY, SUITE 1500, OKC, OK 73102 (405) 552-4560

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1980' FSL & 1980' FEL

At top proposed prod. zone (SAME)

5. LEASE DESIGNATION AND SERIAL NO.
LC-029426-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NA

7. UNIT AGREEMENT NAME
NA

8. FARM OR LEASE NAME, WELL NO.
H. E. West "A" #5

9. API WELL NO.
30-015-05064

10. FIELD AND POOL, OR WILDCAT
Grayburg-Jackson

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 4-T17S-R31E

12. COUNTY OR PARISH
Eddy Co.

13. STATE
NM

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
9 miles Northeast from Loco Hills, NM, 88255

15. DISTANCE FROM PROPOSED
LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT. 660'
(Also to nearest ddy unit line if any)

16. NO. OF ACRES IN LEASE
320

17. NO. OF ACRES ASSIGNED
TO THIS WELL
40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT. 1328'

19. PROPOSED DEPTH
4070'

20. ROTARY OR CABLE TOOLS*
Rotary

21. ELEVATIONS (Show whether DF, RT, CR, etc.)
3926' DF

22. APPROX. DATE WORK WILL START*
12/1/94

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/2"	LW - 8 5/8"	24#	695'	100 sz. Est. TOC @ 180'
7 7/8"	J-55 - 7"	17#-20#	3196'	200 sz. Est. TOC @ 1500'
6 1/4"	J-55 - 4 1/2"	10.5#	4070'	1500 sz. Will circ to surface.

This well currently produces from an open hole section 3196' to 3650'. Seven inch csg is set @ 3196'. Devon Energy Operating Corp. plans to deepen the existing open hole section to 4070', run 4 1/2", J-55, casing to the surface and cement to the surface. The well will then be converted to injection. See attached state application for authority to inject.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED Randy Jackson

TITLE RANDY JACKSON
PETROLEUM ENGINEER DATE 11/18/94

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval 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.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Shannon J. Shaw

TITLE PETROLEUM ENGINEER

DATE 12/16/94

See Instructions 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

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☒ Secondary Recovery ☒ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☒ yes ☐ no
- II. Operator: Devon Energy Operating Corporation
Address: 20 N. Broadway, Suite 1500, Oklahoma City, OK 73102-8260
Contact party: Randy Jackson Phone: (405) 235-3611
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary. refer to Attachment III
- IV. Is this an expansion of an existing project? ☒ yes ☐ no
If yes, give the Division order number authorizing the project R-2268
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review. Refer to Attachment V
- * VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail. Refer to Attachment VI
- VII. Attach data on the proposed operation, including: Refer to Attachment VII
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval. Refer to Attachment VIII
- IX. Describe the proposed stimulation program, if any. We anticipate perforating 3196'-4070' and acidizing these perfs w/15% NEFE acid.
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.) Copies of current logs are on file.
- * XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken. There are no known producing fresh water wells within a one mile area of the proposed injection well.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water. Refer to Attachment XII
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form. Refer to Attachment XIV
- XIV. Certification

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Randy Jackson

Title District Engineer

Signature: Randy Jackson

Date: 11/18/84

- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal.

devon

OPERATING CORPORATION
30 North Broadway, Suite 1800
Oklahoma City, Oklahoma 73102-8260
Telephone: (405) 254-2611
Fax: (405) 252-1820

WELLBORE SCHEMATIC

WELL: H.E. West "A" No. 5

LOCATION: 1980' FSL & 1980' FEL

4-17S-31E

Eddy Co., N.M.

Present

Proposed

5/8" @ 695' w/ 100 SX.

rf. 7" @ 695' & pump 133 SX.

8 5/8" * 7" annulus circ. cmf.
surface. Shut Braden Head
sqz. 15 SX into formation.

Open hole

sd w/ 5000 gals. oil & 6000 # sd.

@ 3196' w/ 200 SX.

TD @ 1500'.

TD O.H. @ 3650'

Deepen 6 1/4" Open Hole
from 3650' to 4070'

Proposed TD 4070'

2 3/8", 4.7#, J-55
tbg plastic lined

Baker "Loc Set" pkr.
@ 3600'.

4 1/2", 10.5#, J-55
casing, cmf. to
surface.

4 1/2" @ 4070'