

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*

Form approved.

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK: DRILL ☐ DEEPEN ☐ RE-ENTER ☒

b. TYPE OF WELL:

OIL WELL ☒ GAS WELL ☐ Other ☐ P&A ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒

2. NAME OF OPERATOR

DEVON ENERGY CORPORATION (NEVADA)

3. ADDRESS AND TELEPHONE NO.

20 N. BROADWAY, SUITE 1500, OKC, OK 73102 (405) 235-3611

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

At surface 990' FNL & 330' FWL of Section 17

At top proposed prod. zone (SAME)

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

4 miles east of Loco Hills, NM

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

990'

16. NO. OF ACRES IN LEASE

160

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.

860'

19. PROPOSED DEPTH

3500'

20. ROTARY OR CABLE TOOLS\*

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GR=3721'

22. APPROX. DATE WORK WILL START\*

March 1, 1997

23.

PROPOSED CASING AND CEMENTING

**ROS WELL CONTROLLED WATER BASIN**

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10"(estimated)	8 5/8" (existing)	28#	649'	50 sxs TOC @ 410'(calculated)
7 7/8"(estimated)	7" (existing)	20#	2803'	100 sxs TOC @ 1480'(calculated)
6 1/4"	4 1/2" J-55 (proposed)	11.6#	3500'	Circulate cement to

Current: Plugged & Abandoned (as of 4/19/79)

Proposed: Convert to Water Injection Well as follows:

1. Drill out cement plugs and clean out wellbore to TD at 3500'.
2. Run 4 1/2" 11.6# J-55 casing string to TD and cement back to surface.
3. Selectively perforate the interval 2700' - 3500'(OA).
4. Set Baker AD-1 injection packer on 2 3/8"(IPC) tubing at 2650'.
5. Inject through perforations 2700' - 3500'(OA).

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

Guidelines which adhere to onshore oil and gas regulations are outlined in the following attachments and exhibits.

BLM Bond No. CO1151

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.

24.

SIGNED

*Charles H. Carleton*

Charles H. Carleton  
TITLE Sr. Engineering Tech.

DATE January 24, 1997

\*(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 (ORIG. SGD.) TONY L. FERGUSON

TITLE

ADM, MINERALS

DATE

6-9-97

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

DISTRICT I  
P. O. Box 1980  
Hobbs, NM 88241-1980

State of New Mexico  
Department of Energy, Minerals, and Natural Resources

Form C-102  
Revised 02-10-94

Instructions on back

DISTRICT II  
P. O. Drawer DD  
Artesia, NM 88211-0719

## OIL CONSERVATION DIVISION

P. O. Box 2088  
Santa Fe, New Mexico 87504-2088

Submit to the Appropriate  
District Office  
State Lease - 4 copies  
Fee Lease - 3 copies

☐ AMENDED REPORT

DISTRICT III  
1000 Rio Brazos Rd.  
Aztec, NM 87410

DISTRICT IV  
P. O. Box 2088  
Santa Fe, NM 87507-2088

### WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name Grayburg Jackson		
4 Property Code 19338		5 Property Name HUDSON FEDERAL			6 Well Number 4	
7 OGRID No. 6137		8 Operator Name DEVON ENERGY CORPORATION			9 Elevation 3719'	

#### 10 SURFACE LOCATION

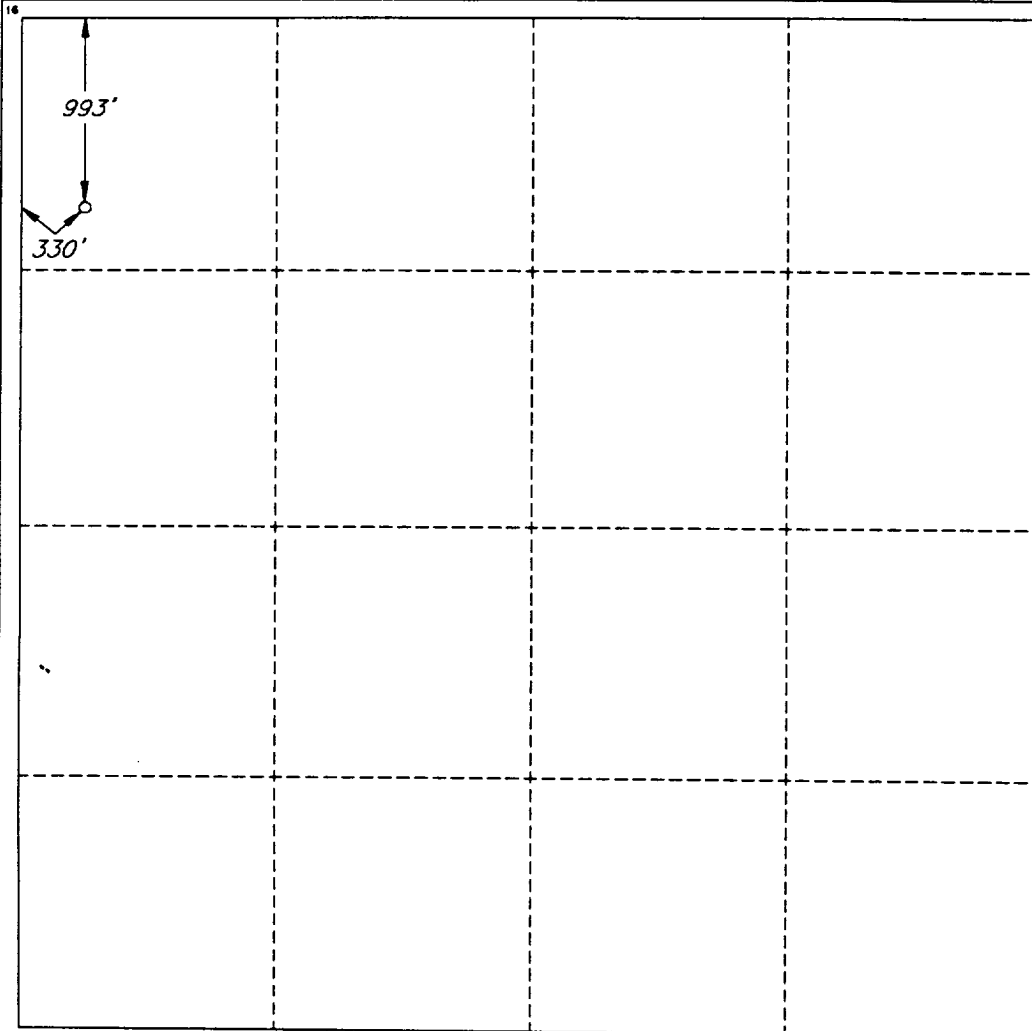
UL or lot no. D	Section 17	Township 17 SOUTH	Range 31 EAST, N.M.P.M.	Lot Ida	Feet from the 993'	North/South line NORTH	Feet from the 330'	East/West line WEST	County EDDY
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#### "BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
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12 Dedicated Acres 40	13 Joint or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN  
CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



#### OPERATOR CERTIFICATION

I hereby certify that the information  
contained herein is true and complete  
to the best of my knowledge and belief.

Signature

*Randy Jackson*

Printed Name

Randy Jackson

Title

District Engineer

Date

1/24/97

#### SURVEYOR CERTIFICATION

I hereby certify that the well  
location shown on this plat was  
plotted from field notes of actual  
surveys made by me or under  
my supervision, and that the  
same is true and correct to the  
best of my belief.

Date of Survey

JANUARY 16, 1997

Signature and Seal of  
Professional Surveyor

*V. L. BEZNER*  
V. L. BEZNER  
NO. 7920  
Certified by:  
V. L. BEZNER R.P.S. #7920  
JOB #49493-2 / 98 SW / V.H.B.

EXHIBIT 1

**MINIMUM BLOWOUT PREVENTER REQUIREMENTS**  
**3000 psi Working Pressure**  
**3 MWP**

**STACK REQUIREMENTS**

No.	Item	Min. I.D.	Min. Nominal
1	Stripping head		
2	Two single or one dual hydraulically operated rams		
3	Tubing head W/2-2" outlets		
4	2" min. kill line and 3" min. choke line outlets in ram. (alternate to 3 above)		
5	Valve Gate <input type="checkbox"/> Plug <input type="checkbox"/>	2"	
6	Valve Gate <input type="checkbox"/> Plug <input type="checkbox"/>	2"	
7	Casing head		
8	Valve Gate <input type="checkbox"/> Plug <input type="checkbox"/>	1-13/16"	
9	Pressure gage with needle valve		

**OPTIONAL**

10	Flanged valve	1-13/16"	
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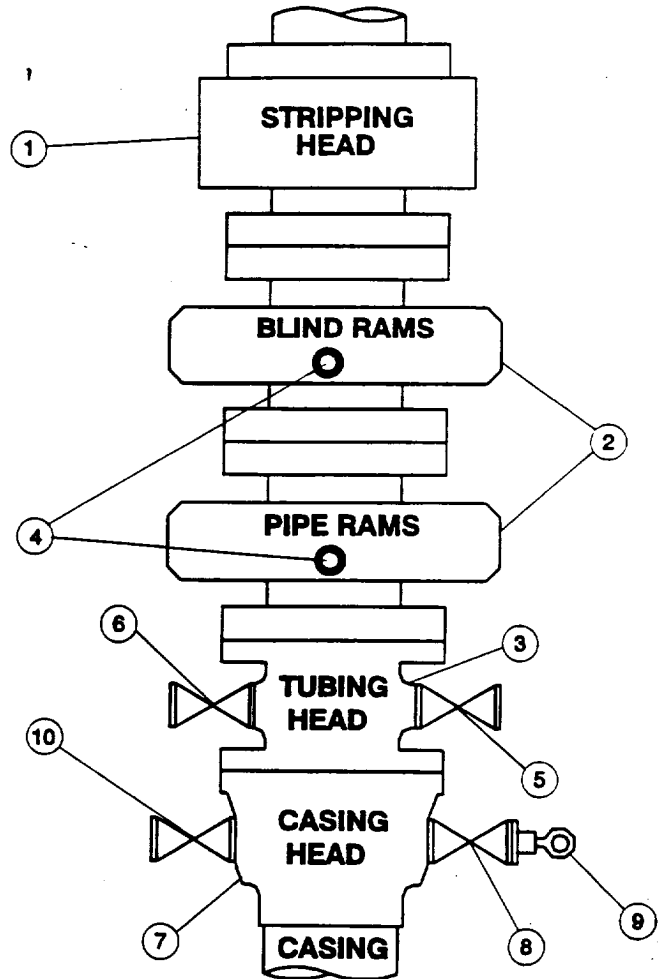
**MEC TO FURNISH**

1. Bradenhead or casinghead and side valves.
2. Wear bushing, if required.

**GENERAL NOTES**

1. Deviations from this drawing may be made only with the express permission of MEC's Drilling manager.
2. All connections, valves, fittings, piping, etc., subject to well pump pressure must have minimum working pressure of preventers up through choke. Valves must be full opening and suitable for high pressure mud service.
3. Controls to be of standard design and each marked, showing opening and closing position.
4. All valves to be equipped with handwheels or handles ready for immediate use.
5. Choke lines must be suitably anchored.
6. Handwheels and extensions to be connected and ready for use.
7. All seamless steel control piping (3000 psi working pressure) to have flexible joints to avoid stress. Hoses will be permitted.
8. Casinghead connections shall not be used except in case of emergency.

**CONFIGURATION A**



## **GUIDELINES FOR BLOWOUT PREVENTERS**

1. Drilling nipple will be constructed so it can be removed mechanically without the aid of a welder. The minimum internal diameter will equal BOPE bore.
2. Wear ring will be properly installed in head.
3. Blowout preventer and all associated fittings will be in operable condition to withstand a minimum 3000 psi working pressure.
4. All fittings will be flanged.
5. A full bore safety valve tested to 3000 psi working pressure with proper thread connections will be available on the rig floor at all times.
6. All choke lines will be anchored to prevent movement.
7. All BOP equipment will be equal to or larger in bore than the internal diameter of the last casing string.
8. Will maintain a kelly cock attached to the kelly.
9. Hand wheels and wrenches will be properly installed and tested for safe operation.