

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OIL CONSERVATION DIV
811 S. 1st ST
ALBUQUERQUE, NM 87102-2
SUBMIT IN TRIPLICATE*
(reverse side)

Form approved.

01/96

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a TYPE OF WORK: DRILL ☒ DEEPEN ☐ REENTER ☒

b TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ Other P&A WI SINGLE ZONE ☐ MULTIPLE ZONE ☒

2 NAME OF OPERATOR DEVON ENERGY CORPORATION (NEVADA) 4137

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 660' FNL & 660' FEL of Section 18

At top proposed prod. zone (SAME) A

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. 660'

18.DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1043'

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

GR=3713'

16.NO. OF ACRES IN LEASE

160

19.PROPOSED DEPTH

3533'

17.NO. OF ACRES ASSIGNED TO THIS WELL
40

20.ROTARY OR CABLE TOOLS*
Rotary

22. APPROX. DATE WORK WILL START*
August 1, 1996

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10"	8 5/8" (existing)		570'	50 sxs TOC @ 430'(calculated)
8"	7" (existing)		2795'	100 sxs TOC @ 2100'(CBL)
6 1/4"	4 1/2" J-55 (if needed)	11.6#	3533'	400 sxs TOC @ Surface

Current: Plugged & Abandoned (as of 12/17/80)

Proposed: Convert to Water Injection Well as follows:

1. Drill out cement plugs and clean out wellbore to TD at 3533'.
2. Selectively perforate the interval 2700' - 3500' (OA).
3. Set Baker J-LOC packer on 2 3/8" (IPC) tubing at $\pm 2650'$.
4. Inject through perforations 2700' - 2795' (OA) and open hole 2795' - 3533' (OA).

Note: Should existing 7" casing fail to pass a mechanical integrity test a string of 4 1/2" casing will be run from surface to TD and cemented back to surface.

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

BLM Bond No.: CO1151

Subject to
General Requirements and
Special Stipulations
Attached

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

Randy Jackson

TITLE

Randy Jackson

District Engineer

DATE July 8, 1996

*(This space for Federal or State office use)

APPROVAL DATE

PERMIT NO.

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 /s/ TIMOTHY J. BURKE

TITLE

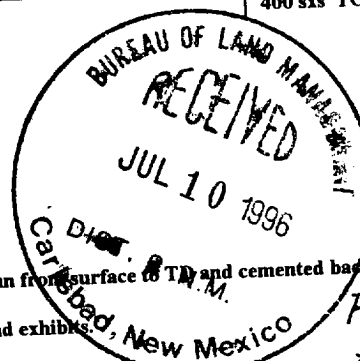
Acting ARFA MANAGER

DATE

JUL 29 1996

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



Post ID-1
8-9-96
Re-entry

Former:
Franklin, Asst. Mgr.
HUDSON #1
P&A 12-18-80

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

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

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

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

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

Form C-102
Revised 02-10-94
Instructions on back

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name					
4 Property Code		5 Property Name HUDSON FEDERAL						6 Well Number 1	
7 OGRID No.		8 Operator Name DEVON ENERGY OPERATING CORPORATION						9 Elevation 3713'	
10 SURFACE LOCATION									
UL or lot no. A	Section 18	Township 17 SOUTH	Range 31 EAST, N.M.P.M.	Lot Ida	Feet from the 660'	North/South line NORTH	Feet from the 660'	East/West line EAST	County EDDY
11 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
12 Dedicated Acres		13 Joint or Infill		14 Consolidation Code		15 Order No.			

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

JUNE 18, 1996

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

MAY 28, 1996

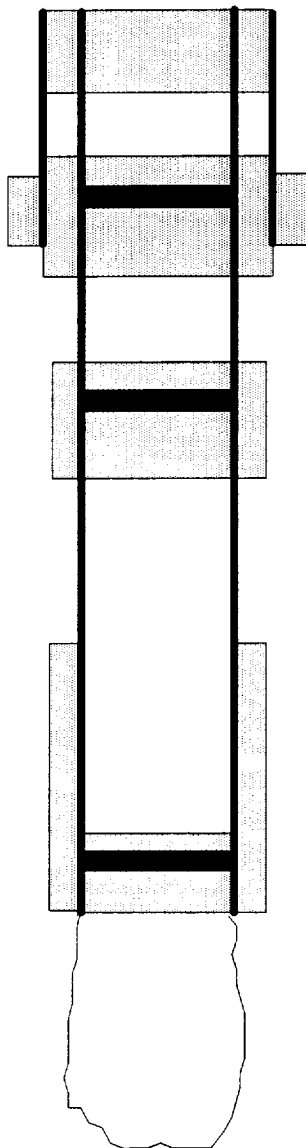
Signature and Seal of
Professional Surveyor

V. LYNN BEZNER
NO. 7920
Certified
V. L. BEZNER
R.P.S. #7920
JOB #45787-1 / 98 SW / VHB

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: HUDSON FEDERAL #1		FIELD: GRAYBURG-JACKSON	
LOCATION: 660'FNL & 660'FEL, SEC 18-T17S-R31E		COUNTY: EDDY	STATE: NM
ELEVATION: GL=3713' ; KB=UNK		SPUD DATE: 01/24/39	COMP DATE: 05/20/39
API#: 30-015-05208	PREPARED BY: C.H. CARLETON		DATE: 04/18/96

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 570'	8 5/8"				10"
CASING:	0' - 2795'	7"				8"
CASING:						
TUBING:						
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

DATE PLUGGED: 12/17/80

CEMENT PLUG: 0' - 200'

CEMENT RETAINER @ 510'. PUMP 100 SXS BELOW & CAP W/50' CMT.

8 5/8" CASING, SET W/50 SXS. TOC @ 430'(CALC)

PERF 7" CASING @ 600' - 602' (8 HOLES)

CEMENT RETAINER @ 1212'. PUMP 100 SXS BELOW & CAP W/50' CMT.

PERF 7" CASING @ 1300' - 1302' (8 HOLES)

CEMENT RETAINER @ 2690'. PUMP 200 SXS BELOW & CAP W/50' CMT.

7" CASING SET W/100 SXS. TOC @ 2100'(CBL)

OPEN HOLE COMPLETION: 2795' - 3533'

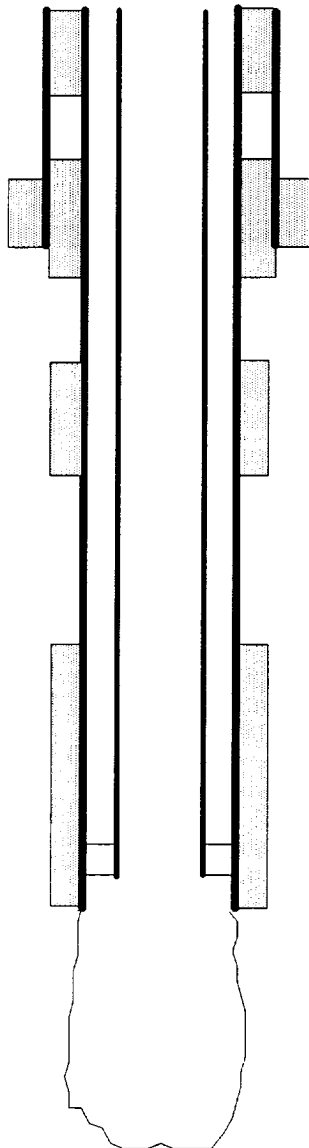
TD @ 3533'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

DEVON ENERGY OPERATING CORPORATION WELLBORE SCHEMATIC

WELL NAME: HUDSON FEDERAL #1		FIELD: GRAYBURG-JACKSON	
LOCATION: 660'FNL & 660'FEL, SEC 18-T17S-R31E		COUNTY: EDDY	STATE: NM
ELEVATION: GL=3713' ; KB=UNK		SPUD DATE: 01/24/39	COMP DATE: 05/20/39
API#: 30-015-05208	PREPARED BY: C.H. CARLETON		DATE: 05/01/96

	DEPTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' - 570'	8 5/8"				10"
CASING:	0' - 2795'	7"				8"
CASING:						
TUBING:	0' - 2750'	2 3/8"	4.7#	J-55	EUE 8rd	
TUBING:						



CURRENT



PROPOSED

OPERATOR: DEVON ENERGY OPERATING CORPORATION

8 5/8" CASING, SET W/50 SXS. TOC @ 430'(CALC)

INJECTION INTERVAL: 2700'- 3500'

BAKER J-LOC PACKER @ 2750'

7" CASING SET W/100 SXS. TOC @ 2100'(CBL)

OPEN HOLE COMPLETION: 2795'- 3533'

TD @ 3533'

NOTE: FOR CALCULATED CEMENT TOPS A YIELD OF 1.32 CU FT/SX AND 50% FILLUP WERE ASSUMED.

EXHIBIT 1

MINIMUM BLOWOUT PREVENTER REQUIREMENTS
3000 psi Working Pressure
3 MWP

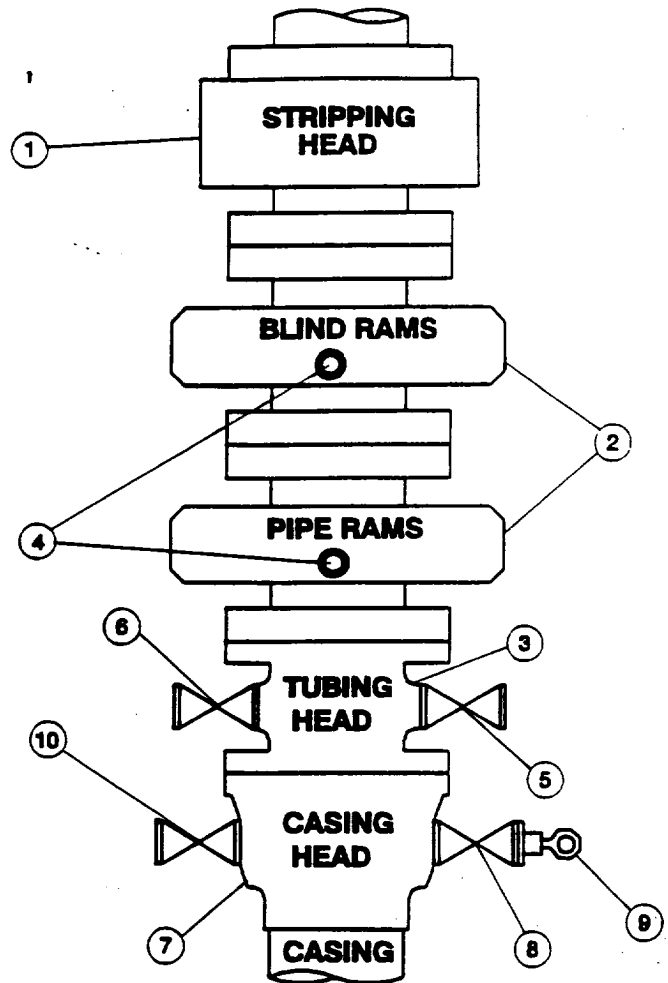
STACK REQUIREMENTS

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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CONFIGURATION A



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.

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.