

UNITED
DEPARTMENT OF
BUREAU OF LAND MANAGEMENT

OPER. OGRID NO. 9671
PROPERTY NO. 2264
POOL CODE 6910
EFF. DATE 4/2/97

CATE*
s on

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO API NO. 3D-041-20882CK

5. LEASE DESIGNATION AND SERIAL NO.

NM-12852

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal 27 A

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

North Bluitt
(SILURO-DEVONIAN)

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 27, T-7-S, R-37-E

12. COUNTY OR PARISH

Roosevelt

13. STATE

NM

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

H.L. Brown, Jr.

3. ADDRESS OF OPERATOR

P.O. Box 2237, Midland, TX 79702

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

At surface

Unit G, 2310 FNL & 2310 FEL of Sec. 27, T-7-S, R-37-E

At proposed prod. zone

Same

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

10 miles east of Milnesand, NM

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

2310

16. NO. OF ACRES IN LEASE

800

17. NO. OF ACRES ASSIGNED
TO THIS WELL

80

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

1924'

19. PROPOSED DEPTH

9100'

20. ROTARY OR CABLE TOOLS

rotary

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

4047' GR

22. APPROX. DATE WORK WILL START*

4-1-97

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48#	550'	525 C1 "C"
11"	8 5/8"	32#	3900'	1000 C1 "C" & lite
7 7/8"	5 1/2"	17#	9100'	1000 C1 "H" 50/50 POZ

Propose to drill to Devonian using rotary tools to 9100+.
Cement will be circulated on 13-3/8" & 8-5/8" casing strings.
A completion will be attempted in the North Bluitt (SILURO-DEVONIAN) Pool @ 9100'. Completion or abandonment will be performed in accordance with prudent practices and regulatory requirements. A double ram series 900 BOP and choke manifold will be used from 8-5/8" casing to total depth.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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 Chris N. Bezner TITLE Chris N. Bezner, P.E. DATE 1/23/97
Operations Engineer

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY Earle Smith

TITLE Acting Area Mgr.

DATE 2/24/97

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

DISTRICT I

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

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102

Revised February 10, 1994

Submit to Appropriate District Office

State Lease - 4 Copies

DISTRICT II

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

Fee Lease - 8 Copies

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT IV

P.O. Box 2088, Santa Fe, N.M. 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-041-20882	Pool Code 06910	Pool Name Bluitt (SILURO-DEVONIAN) North
Property Code 002264	Property Name FEDERAL 27 A	Well Number 2
OGRID No. 009676	Operator Name H. L. BROWN, JR.	Elevation 4047'

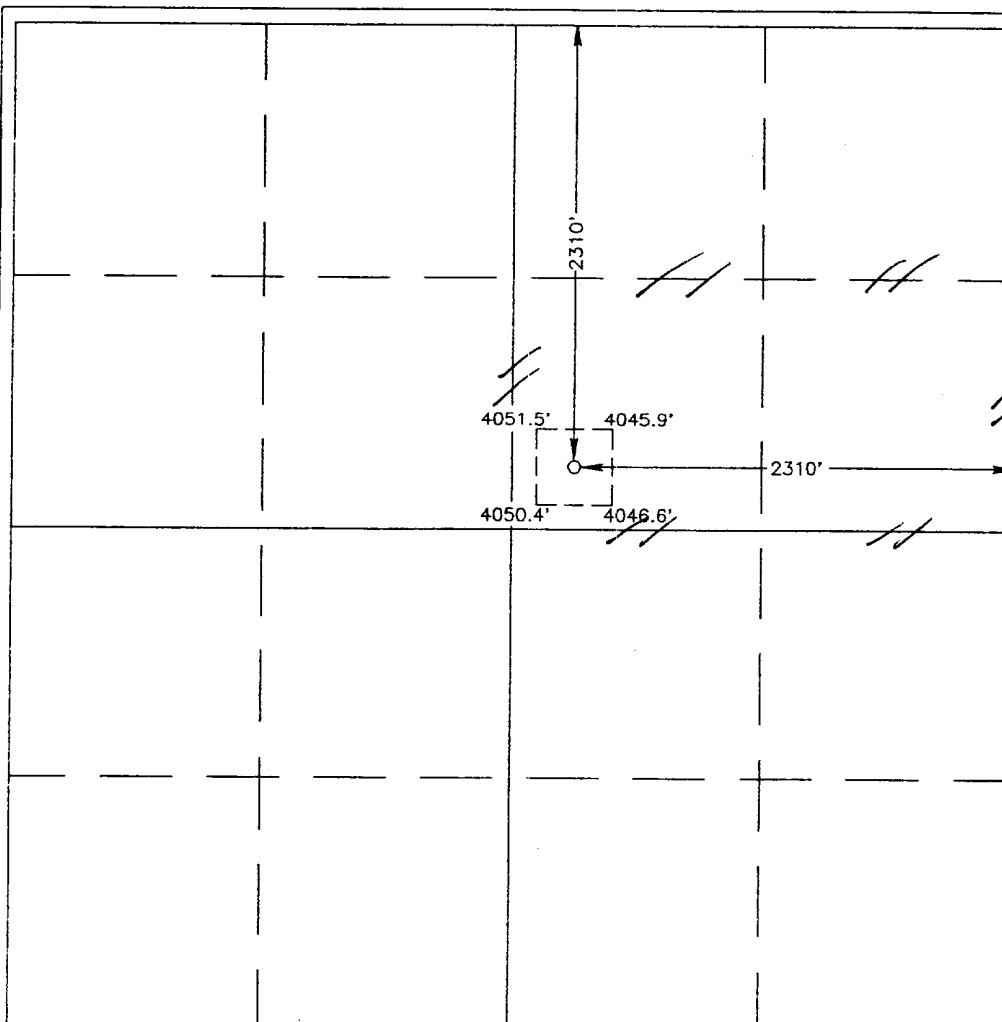
Surface Location

UL or lot No. G	Section 27	Township 7 S	Range 37 E	Lot Idn	Feet from the 2310	North/South line NORTH	Feet from the 2310	East/West line EAST	County ROOSEVELT
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Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 40.82	Joint or Infill	Consolidation Code	Order No. NSL-3769						

NO ALLOWABLE WILL 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 the the information
contained herein is true and complete to the
best of my knowledge and belief.

Chris N. Bezner
Signature

Chris N. Bezner, P.E.

Printed Name
Operations Engineer

Title

Date **1/23/97**

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.

JAN. 13, 1997

Date Surveyed CDG

Signature & Seal of
Professional Surveyor

Ronald J. Eidson
NEW MEXICO
97-11-0053

Certificate No. JOHN W. WEST 676
RONALD J. EIDSON 3239
GARY EIDSON 12641

Soo Amended Plat

H. L. BROWN, JR.
POST OFFICE BOX 2237
MIDLAND, TEXAS 79702-2237

January 29, 1997

Bureau of Land Management-RDO/RRR
2909 W. 2nd Street
Roswell, New Mexico 88201-2019

Re: H.L. Brown, Jr.
Federal "27" A #2
Roosevelt County, New Mexico

Gentlemen:

To comply with Onshore Order #1, the following information is presented to accompany attached Form 3160-3 on the subject well.

1. The geologic name of the surface formation is Ogallala.
2. The estimated tops of important geologic markers are:

Yates	2545'
San Andres	3780'
Abo	6940'
Wolfcamp Por.	7910'
Devonian	8720'
Granite	9130'

3. The estimated depths at which anticipated water, oil, gas and other mineral bearing formations are expected to be encountered are:

Water	None anticipated.
Oil	Devonian at 8720'.
Gas	There is a depleted gas zone in the San Andres at 3780'; there is gas in the Wolfcamp at 7910', and possible gas in the Devonian at 8720'.
Other Minerals	None anticipated.

Bureau of Land Management

January 29, 1997

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4. The proposed casing program is:

<u>SIZE</u>	<u>GRADE</u>	<u>WEIGHT/FOOT</u>	<u>NEW OR USED</u>	<u>DEPTH</u>
13-3/8" OD	J-55	48#	NEW	550'
8-5/8" OD	K-55	32#	NEW	3900'
5-1/2" OD	N-80	17#	NEW	9100'

5. Minimum specifications for pressure control equipment to be used are:

3000 psi working pressure. Double stack with pipe ram in upper and blind rams in lower stack. Adapter spool under the BOP's to have kill line on one side with check valve and ball valve and choke manifold on other side with bleed-off line. (See attached diagram).

6. The type and characteristics of the proposed circulating medium are:

<u>APPROXIMATE INTERVAL</u>	<u>TYPE MUD</u>	<u>WEIGHT #/GAL</u>	<u>VISCOSITY SEC. API</u>
0-550'	Fresh wtr gel	8.4-9.0	NC
550-3900'	Brine wtr	10.0-10.2	28-30
3900-7500'	Fresh wtr	8.4-8.8	28-30
7500-9100'	Fresh wtr gel	8.8-9.0	36-40

There are no abnormal pressures anticipated. Mud used to control water loss, not needed for well control.

7. The auxiliary equipment to be used is as follows:

- Kelly cock - in mud line above swivel.
- Floats at the bit - none planned.
- Monitoring equipment on the mud system - no automatic system planned; will use visual testing and inspection by rig and mud company personnel.
- A sub will be on the floor with full opening valve to be stabbed into drill pipe when the Kelly is not in the string.

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January 29, 1997

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8. There will possibly be drill stem testing in this proposed well. Since this is a development well, the only logs to be run will be a Gamma-Ray-Neutron-Density and Micro Laterlog from total depth to 3900'.
9. There are no anticipated abnormal pressures or temperatures to be encountered. Should hydrogen sulfide gas be encountered unexpectedly, a plan will be posted at the rig to handle such emergency and rig personnel are reviewed periodically on these procedures.
10. The anticipated starting date is April 1, 1997, and the drilling operations should cease on or about May 1, 1997. Completion of the well should be accomplished by May 20, 1997.

Sincerely,

H.L. BROWN, JR.



Chris N. Bezner, P.E.
Operations Engineer

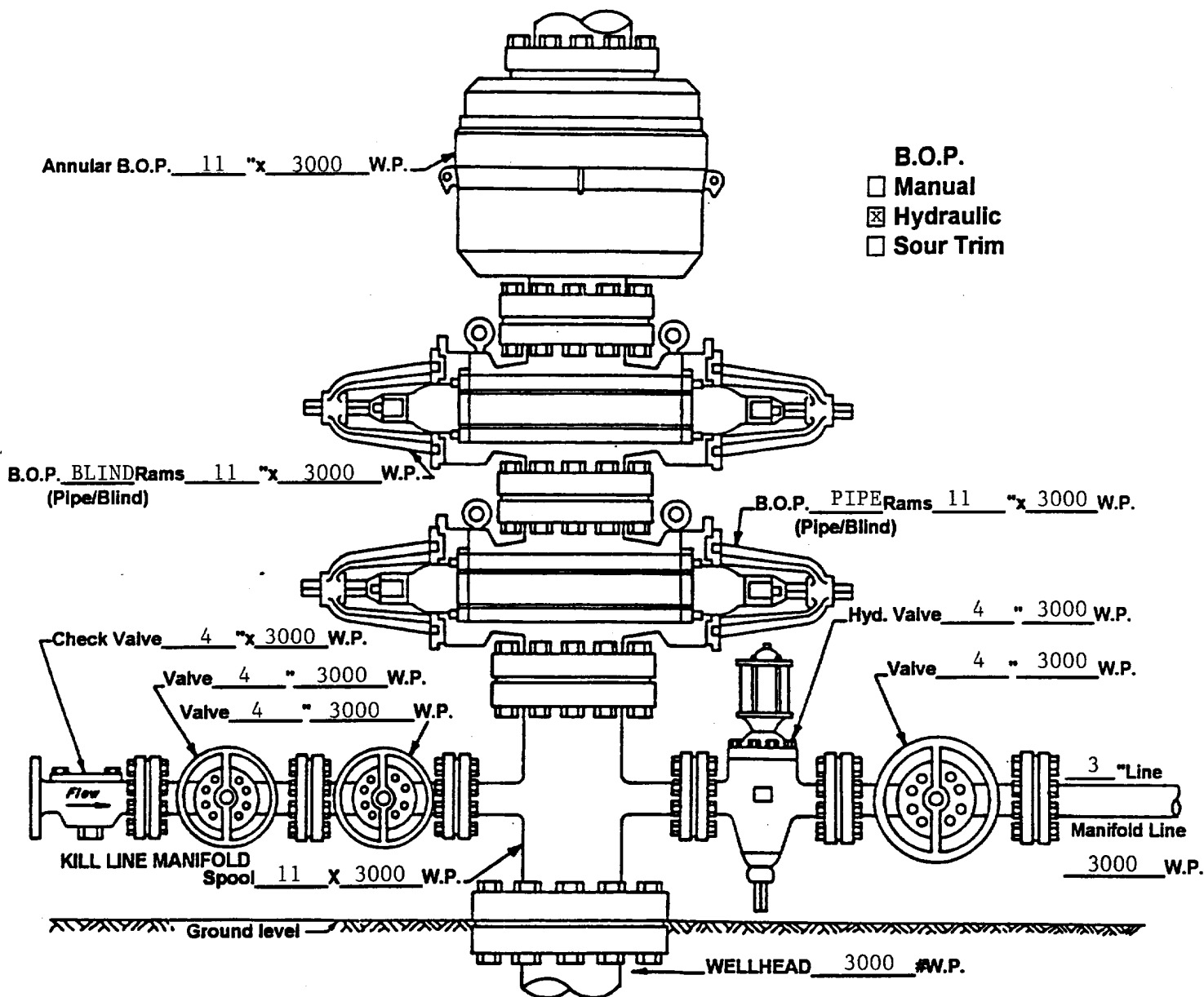
CNB/hkf

Enclosures

Worksheet supplement for "Application for Permit to Drill or Deepen a Well".

Federal "27" A #2

Unit G, 2310 FNL & 2310 FEL, SEC 27, T-7S, R-37E



Fill blanks with applicable information. If not applicable, enter "N.A." or cross-out item shown. Enter other pertinent information below.

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