

Form 3160-3
(November 1983)
(formerly 9-331C)

N. M. OIL CONS. COMMISSION
P. O. BOX 1980
HOBBS, NEW MEXICO 88240

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NM-12852	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR H. L. Brown, Jr.			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 2237, Midland, Texas 79702			8. FARM OR LEASE NAME Federal "27" A	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) At surface Unit C, 660' FNL & 1980' FWL of Sec 27, T-7S, R-37E At proposed prod. zone Unit C, 660' FNL & 1980' FWL of Sec 27, T-7S, R-37E			9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 10 miles East of Milnesand, New Mexico			10. FIELD AND POOL OR WILDCAT North Bluit (Siluro-Devonian)	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 27, T-7S, R-37E	
16. NO. OF ACRES IN LEASE 800			12. COUNTY OR PARISH Roosevelt	
17. NO. OF ACRES ASSIGNED TO THIS WELL 80			13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.			20. ROTARY OR CABLE TOOLS rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4058.4'			22. APPROX. DATE WORK WILL START* May 15, 1988	

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#	500±	Circulate to Surface
12 1/4"	8-5/8"	32#	3800±	Circulate to Surface
7-7/8"	5-1/2"	17#	9500	Est top @ 5400'

PROPOSE TO DRILL TO DEVONIAN USING ROTARY TOOLS TO 9500±. 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 @ 9500'. COMPLETION OR ABANDONMENT WILL BE PERFORMED IN ACCORDANCE WITH PRUDENT PRACTICES AND REGULATORY REQUIREMENTS. A DOUBLE RAM SERIES 900 BOP & 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 [Signature] TITLE Production Clerk DATE 4-28-88

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY S/Phil Kirk TITLE Area Manager DATE JUN 9 1988

CONDITIONS OF APPROVAL, IF ANY:

PLEASE BE ADVISED THAT THERE WILL BE NO EXCAVATION OF FEDERAL LAND OR MATERIAL FOR CONSTRUCTION OF ROAD OR PAD WITHOUT PAYMENT IN ADVANCE.

APPROVAL OF THIS APPLICATION 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.

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.

**NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

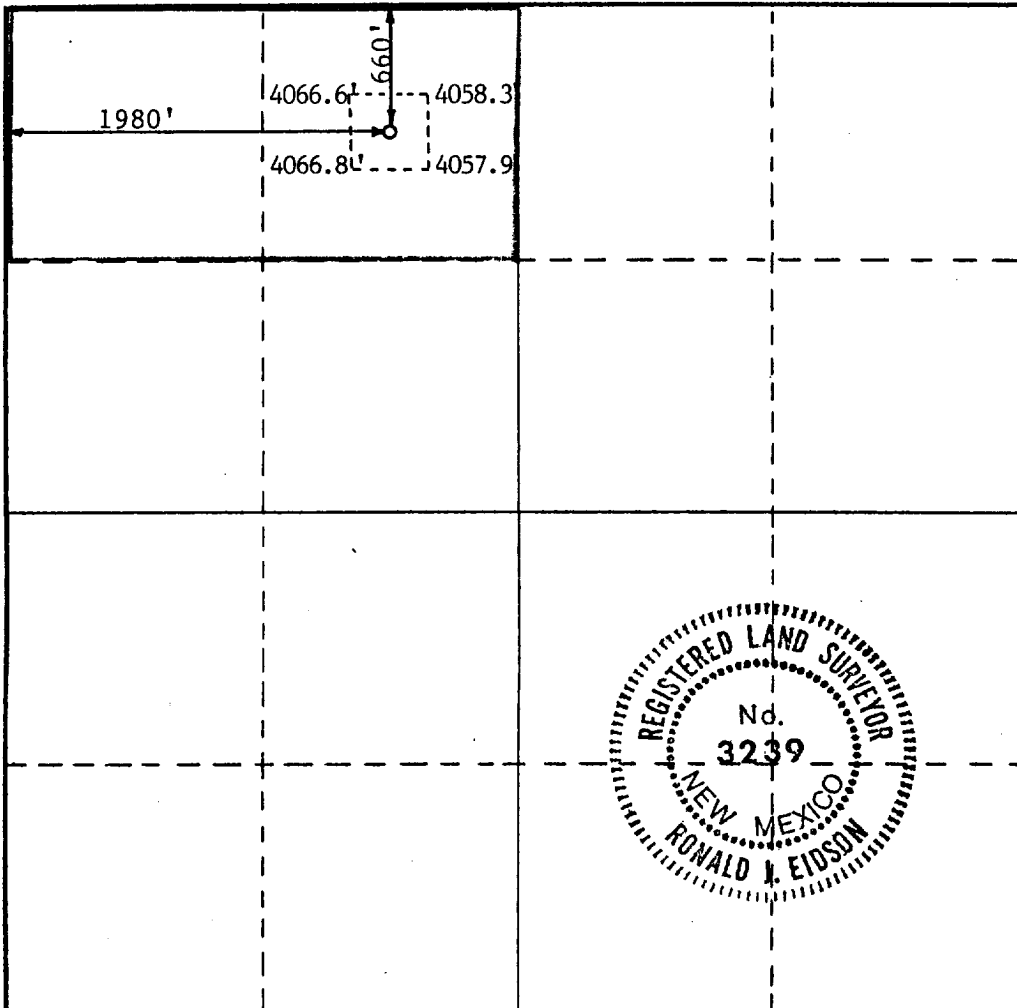
Operator H.L. BROWN JR.			Lease FEDERAL "27" A		Well No. 1
Unit Letter C	Section 27	Township 7 SOUTH	Range 37 EAST	County ROOSEVELT	
Actual Footage Location of Well: 660 feet from the NORTH line and 1980 feet from the WEST line					
Ground Level Elev. 4058.4'	Producing Formation Siluro-Devonian	Pool North Bluitt	Dedicated Acreage: 80 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☒ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

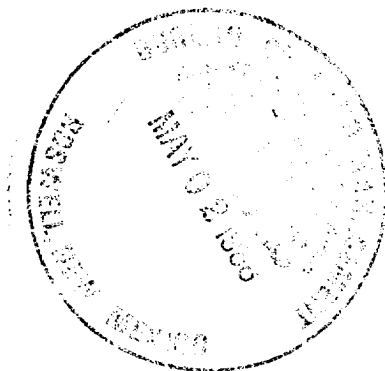
Mike Feagan
Name **Mike Feagan**
Position **Production Engineer**
Company **H. L. Brown, Jr.**
Date **4-29-88**

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 knowledge and belief.

Date Surveyed **APRIL 20, 1988**
Registered Professional Engineer and/or Land Surveyor
Ronald J. Eidson
Certificate No. **JOHN W. WEST, 676**
RONALD J. EIDSON, 3239

N. M. OIL CONS. COMMISSION
P. O. BOX 1980
HOBBS, NEW MEXICO 88240

H. L. BROWN, JR.
300 WEST LOUISIANA
POST OFFICE BOX 2237
MIDLAND, TEXAS 79702
915 683-5216



April 28, 1988

United States Geological Survey
P. O. Box 1157
Hobbs, New Mexico, 88240

Re: H. L. Brown, Jr.
Federal "27" A-1
Roosevelt County, New Mexico

Gentlemen:

To comply with NTL-6 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	3663'
Abo	6996'
Wolfcamp Por.	7942'
Devonian	8635'
Granite	9022'

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 8722'
Gas	There is a depleted gas zone in the San Andres at 3820'; there is gas in the Wolfcamp at 7910', and possible gas in the Devonian at 8722'.
Other Minerals	None anticipated.

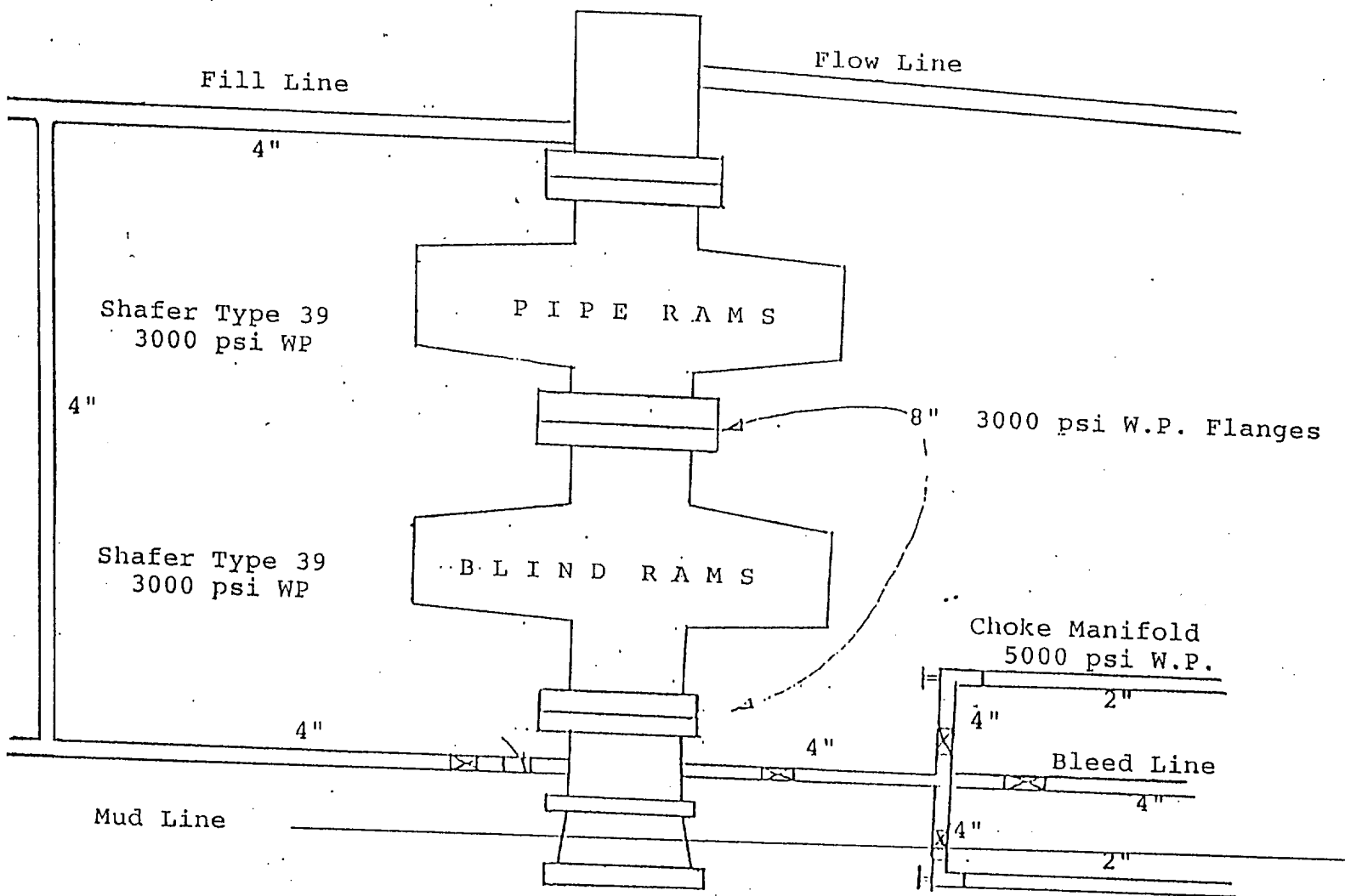
4. The proposed casing program is:

<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	500'
8-5/8" OD	K-55	32#	New	3800'
5-1/2" OD	N-80	17#	New	9500'

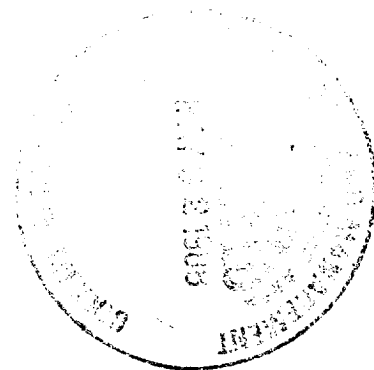
H. L. BROWN, JR.

Federal "27" A-1
Roosevelt County, New Mexico

BLOWOUT PREVENTOR DIAGRAM



Blind Rams are tested daily w/DP out of hole;
Pipe Rams are tested daily w/DP in hole;
Additional tests are made after cementing surface & intermediate casing strings.

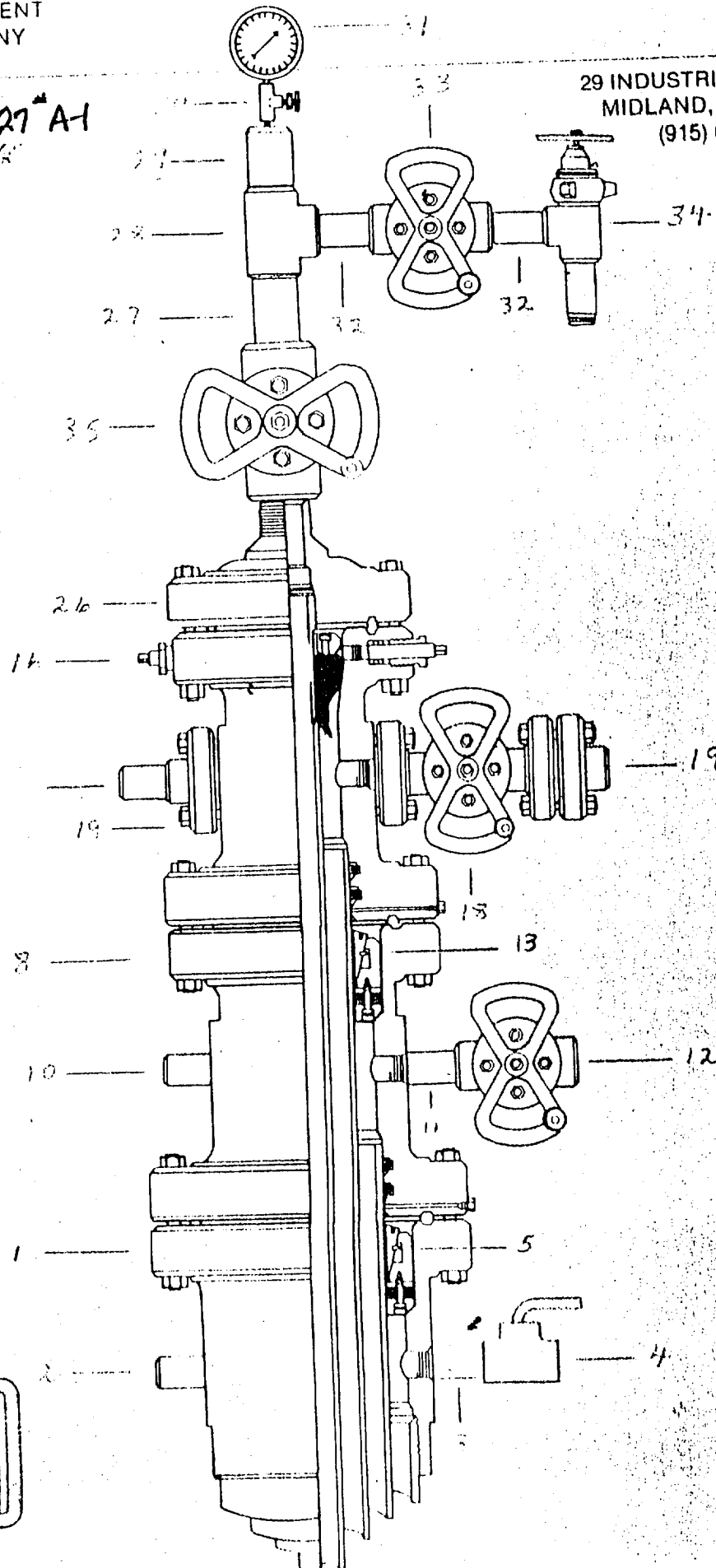




SERVICES &
EQUIPMENT
COMPANY

H. L. Brown Jr.
Federal ~~3000~~ 27" A-1
13 3/4" x 8 5/8" x 5 1/2" x 2 3/8"
3000 WP

29 INDUSTRIAL LOOP EAST
MIDLAND, TEXAS 79701
(915) 887-1131



RECEIVED
APR 27 1988
H. L. BROWN, JR.