

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

NM OIL COM. COMMISSION
Director DD

Artesia, NM 88210

30-015 14470

5. LEASE DESIGNATION AND SERIAL NO.

NM-18215

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Shewell Federal

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Wildcat - *Barro Spring*11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 20 -26S-26E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐RECEIVED PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Exxon Corporation ✓

3. ADDRESS OF OPERATOR

P. O. Box 1600, Midland, TX 79702

O. C. D.

ARTESIA, OFFICE

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

At surface

1830' FNL and 1980' FEL of Section

At proposed prod. zone

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

10.8 miles SE of Whites City

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST 1100' to lse. line

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any) 510' drlg. line

16. NO. OF ACRES IN LEASE

2406.82

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. 16800' to #1

19. PROPOSED DEPTH

8900'

20. ROTARY OR CABLE TOOLS

Rotary

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

3413' GR

22. APPROX. DATE WORK WILL START*

2nd quarter 1983

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	94#	40'	25 sx Redimix CIRCULATE
17 1/2"	13 3/8"	54.5#	600'	500 sx CIRCULATE
11"	8 5/8"	24#	1600'	500 sx
7 7/8"	5 1/2"	17#	8900'	700 sx

Designation of Operator is attached.

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

Melba Kripling

TITLE

Unit Head

DATE April 5, 1983

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

(ORIG. SGD.) ARMANDO A. LOPEZ

TITLE

ACTING ASST. DIST
MGR FOR MINERALS

DATE

APR 19 1983

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

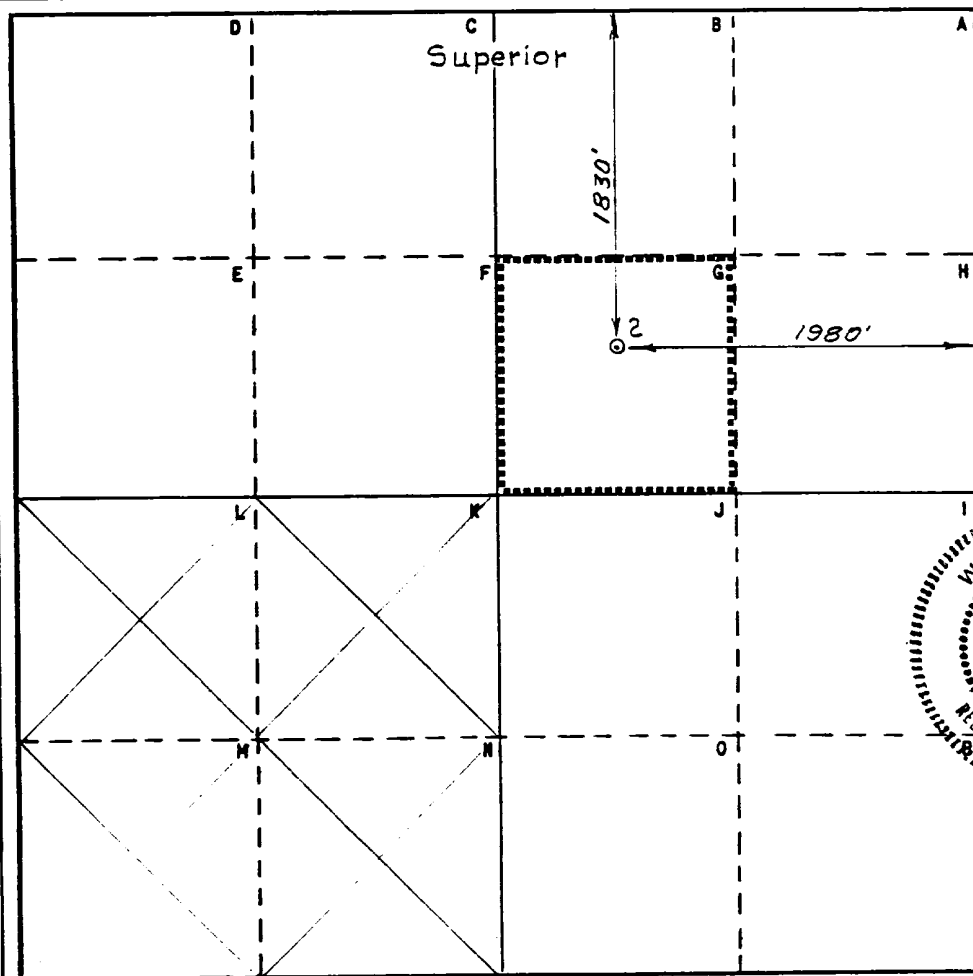
Operator Exxon Corporation		Lease Shewell Federal		Well No. 2
Unit Letter G	Section 20	Township 26 S	Range 26 E	County Eddy
Actual Footage Location of Well: 1830 feet from the North line and 1980 feet from the East line				
Ground Level Elev: 3413'	Producing Formation Bone Spring	Pool Wildcat	Dedicated Acreage: 40 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.

Name
Melba Knippling
Position
UNIT HEAD
Company
Exxon Corporation
Box 1600 Midland, Texas
Date
4-5-83

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
3-25-83

Registered Professional Engineer
and/or Land Surveyor

W J Korman
Certificate No.
6157

10.8 Miles SE of Whites City, New Mexico

C.E. Sec. File No. W-A-8046

10 POINT PLAN
SHEWELL FEDERAL NO. 2
Section 20, T26S, R26E
Eddy County, New Mexico

1. The geologic name of the surface formation: Castile

2. The estimated tops of important geologic markers:

Delaware Mt. Grp. : 1600'
Bone Spring : 5100'

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

Deepest FW : 500'
Oil
Bone Spring : 5100'

4. Proposed casing program:

<u>STRING</u>	<u>SIZE</u>	<u>WEIGHT/GRADE</u>	<u>CONDITION</u>	<u>DEPTH INTERVAL</u>
Conductor	20"	94#/H-40	New	0- 40'
Surface	13-3/8"	54.5#/K-55	New	0- 600'
Intermediate	8-5/8"	24#/K-55	New	0-1600'
Production	5-1/2"	17#/K-55	New	0-8900'

5. Minimum specifications for pressure control equipment:

- A. Wellhead equipment - Threaded type, 2000 psi WP for 13-3/8" x 8-5/8" x 5-1/2" casing program with 2-7/8" tubing hanger.
- B. Blowout preventers - Refer to attached drawings and lists of equipment titled "Type II-C" for description of BOP stacks and choke manifold.
- C. BOP control unit - Unit will be hydraulically operated and have at least two control stations.
- D. Testing - Upon installation, the Type II-C BOP's for the 13-3/8" surface casing and for the 8-5/8" intermediate casing will be tested to a low pressure (200-300 psi) and to a high pressure of 2000 psi. Casing rams will be tested in a like manner. An operational test of the blowout preventers will be performed on each round trip, (but not more than once each day); the annular and pipe rams preventers will be closed on drill pipe and the blind rams will be closed while pipe is out of the hole.

(BLOWOUT PREVENTER SPECIFICATION)
EQUIPMENT DESCRIPTION

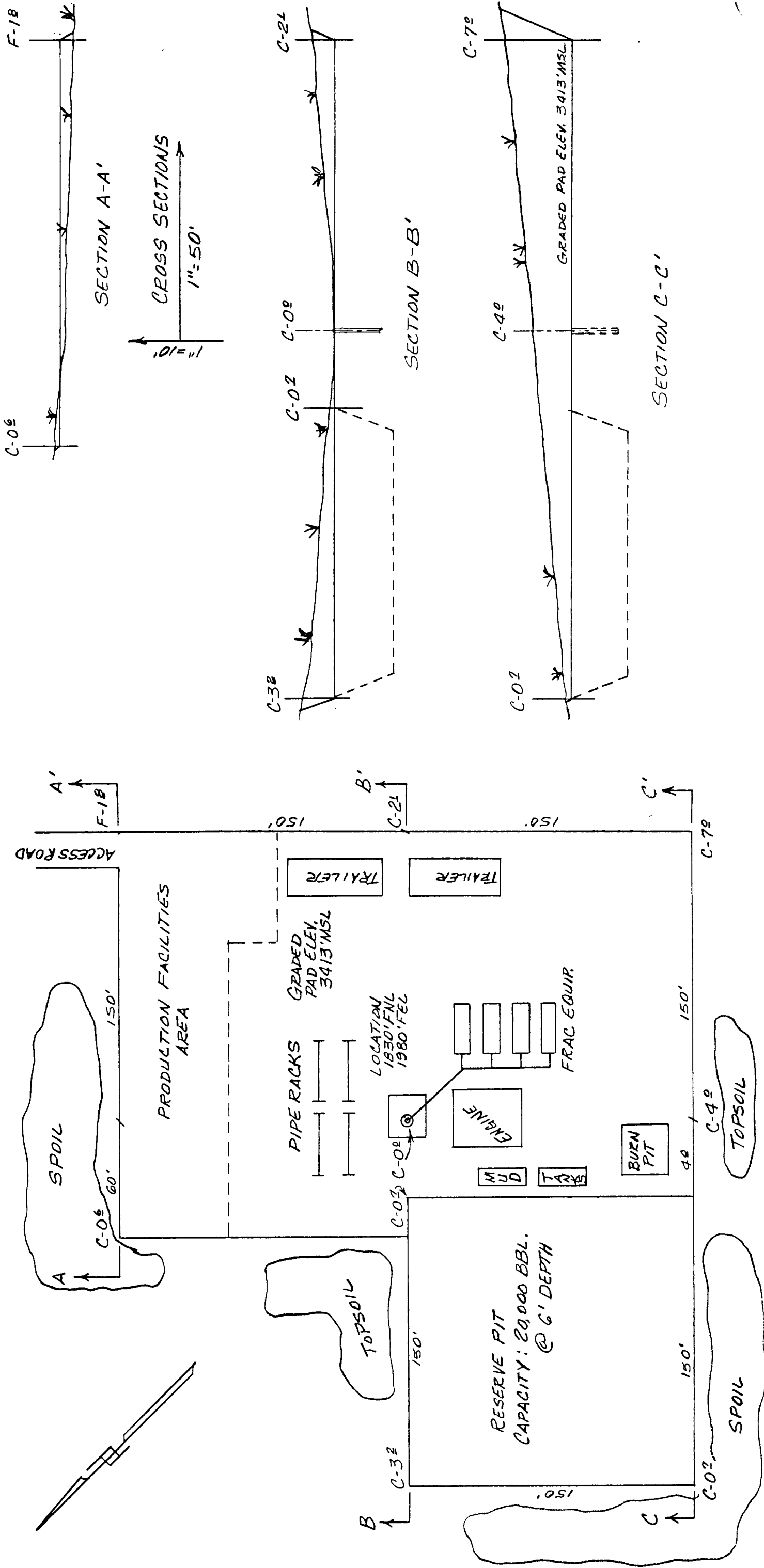
TYPE II-C

All equipment should be at least 2000 psi WP or higher unless otherwise specified.

1. Bell nipple.
2. Hydril or Shaffer bag type preventer.
3. Ram type pressure operated blowout preventer with blind rams.
4. Flanged spool with one 4-inch and one 2-inch (minimum) outlet.
5. 2-inch (minimum) flanged plug or gate valve.
6. 2-inch by 2-inch by 2-inch (minimum) flanged tee.
7. 4-inch pressure operated gate valve.
8. 4-inch flanged gate or plug valve.
9. Ram type pressure operated blowout preventer with pipe rams.
10. Flanged type casing head with one side outlet (furnished by Exxon).
11. 2-inch threaded (or flanged) plug or gate valve (furnished by Exxon).
Flanged on 5000# WP, threaded on 3000# WP or less.
12. Needle valve (furnished by Exxon).
13. 2-inch nipple (furnished by Exxon).
14. Tapped bull plug (furnished by Exxon).
15. 4-inch flanged spacer spool.
16. 4-inch by 2-inch by 2-inch by 2-inch flanged cross.
17. 2-inch flanged plug or gate valve.
18. 2-inch flanged adjustable choke.
19. 2-inch threaded flange.
20. 2-inch XXH nipple.
21. 2-inch forged steel 90° Ell.
22. Cameron (or equal.) threaded pressure gage.
23. Threaded flange.
35. 2-inch flanged tee.
36. 3-inch (minimum) hose. (Furnished by Exxon).
37. Trip tank. (Furnished by Exxon).
38. 2-inch flanged plug or gate valve.
39. 2-1/2-inch pipe, 300' to pit, anchored.
40. 2-1/2-inch SE valve.
41. 2-1/2-inch line to steel pit or separator.

NOTES:

1. Items 3, 4 and 9 may be replaced with double ram type preventer with side outlets between the rams.
2. The two valves next to the stack on the fill and kill line to be closed unless drill string is being pulled.
3. Kill line is for emergency use only. This connection shall not be used for filling.
4. Replacement pipe rams and blind rams shall be on location at all times.
5. Only type U, LWS and QRC ram type preventers with secondary seals are acceptable for 5000 psi WP and higher BOP stacks.
6. Type E ram-type BOP's with factory modified side outlets may be used on 3000 psi or lower WP BOP stacks.



APPROXIMATE EARTHWORK VOLUMES

CUT (NOT INCL. RESERVE PIT)	= 5600 YD ³
FILL	= 200 YD ³
RESERVE PIT	= 4300 YD ³
TOPSOIL	= 1500 YD ³ @ 6' DEPTH
SPOIL	= 8200 YD ³

EXHIBIT "B"

SHEWELL FEDERAL #2 SEC. 20; T-26-S; R-26-E EDDY COUNTY, N.M.		EXXON COMPANY, U.S.A. (a division of Exxon Corporation) PRODUCTION DEPARTMENT	
DRAWN S.L.P.	ENGR. SECTION CRAWMER	DATE 4-4-83	FILE NO. WB-1823
CHECKED	APPROVED	JOB NO.	SCALE 1"=50'