

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

30-015-22668

5. LEASE DESIGNATION AND SERIAL NO.
LC 028772-A N.M.-23413

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Empire South Deep Unit

8. FARM OR LEASE NAME
Empire South Deep Unit

9. WELL NO.
20

10. FIELD AND POOL, OR WILDCAT
South Empire - Morrow

11. SEC., T., R., M., OR B.L.
AND SURVEY OR AREA
12-18-28

12. COUNTY OR PARISH
Eddy

13. STATE
NM

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER ☐

2. NAME OF OPERATOR
Amoco Production Company

3. ADDRESS OF OPERATOR
P.O. Drawer A, Levelland, Texas

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
1980' FNL and 2200' FEL (Unit G, Sec 12)
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 17 1/2 miles southeast of Artesia, N.M.

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE
160

17. NO. OF ACRES ASSIGNED
TO THIS WELL
320

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

19. PROPOSED DEPTH
11200'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3626.0 GR

22. APPROX. DATE WORK WILL START*
6-25-78

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ARTESIA, NEW MEXICO

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#	400'	Circ. to surf.
12 1/4"	8 5/8"	24#	2900'	Circ. to 2900'
7 7/8"	5 1/2"	15.5#, 17#	11200'	Enough to tie back to 8 5/8" csg

BOP Program attached.
Archaeological Reconnaissance attached.
~~Gas is not estimated.~~

AUG 25 1978

O. C. C.
ARTESIA, OFFICE

After reaching TD, logs and cores will be run and evaluated. Perforate and/or stimulate as necessary in attempting commercial production.

Mud - 0' - 400' - Native mud x fresh water.
400' - 2900' - Saturated brine water
2900' - 10000' - Fresh water added to brine, native mud, and commercial mud.
10000' - 11200' - KCL added for 6% system. At 10500' raise viscosity with commercial mud for Morrow penetration.

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.

SIGNED _____ TITLE Administrative Analyst (SG) DATE 5-31-78

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE JUN 27 1978

APPROVED BY Albert K. Hall ACTING DISTRICT ENGINEER DATE JUN 27 1978

CONDITIONS OF APPROVAL, IF ANY:

- 0+5-USGS-A
1-Div
1-ME-TEX and Assoc.
1-Susp
1-RC

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.

SEP 27 1978

See Instructions On Reverse Side
SUBJECT TO ATTACHED DEEP WELL CONTROL
REQUIREMENTS DATED JUN 22 1973

"APPROVAL TO FLARE GRANTED
WHILE DRILLING AND TESTING."

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form
Supersedes
1-1-76

All distances must be from the outer boundaries of the Section

Operator Amoco Production Company		Well Name Empire South Deep Unit		Section 20	
Section G	Section 12	Section 18 South	Section 28 East	Section Eddy	
Acres 1980		Feet from the North		Feet from the East	
Acres 3626.00		Feet from the North		Feet from the East	
Feet from the North		Feet from the East		Feet from the East	
Feet from the North		Feet from the East		Feet from the East	

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

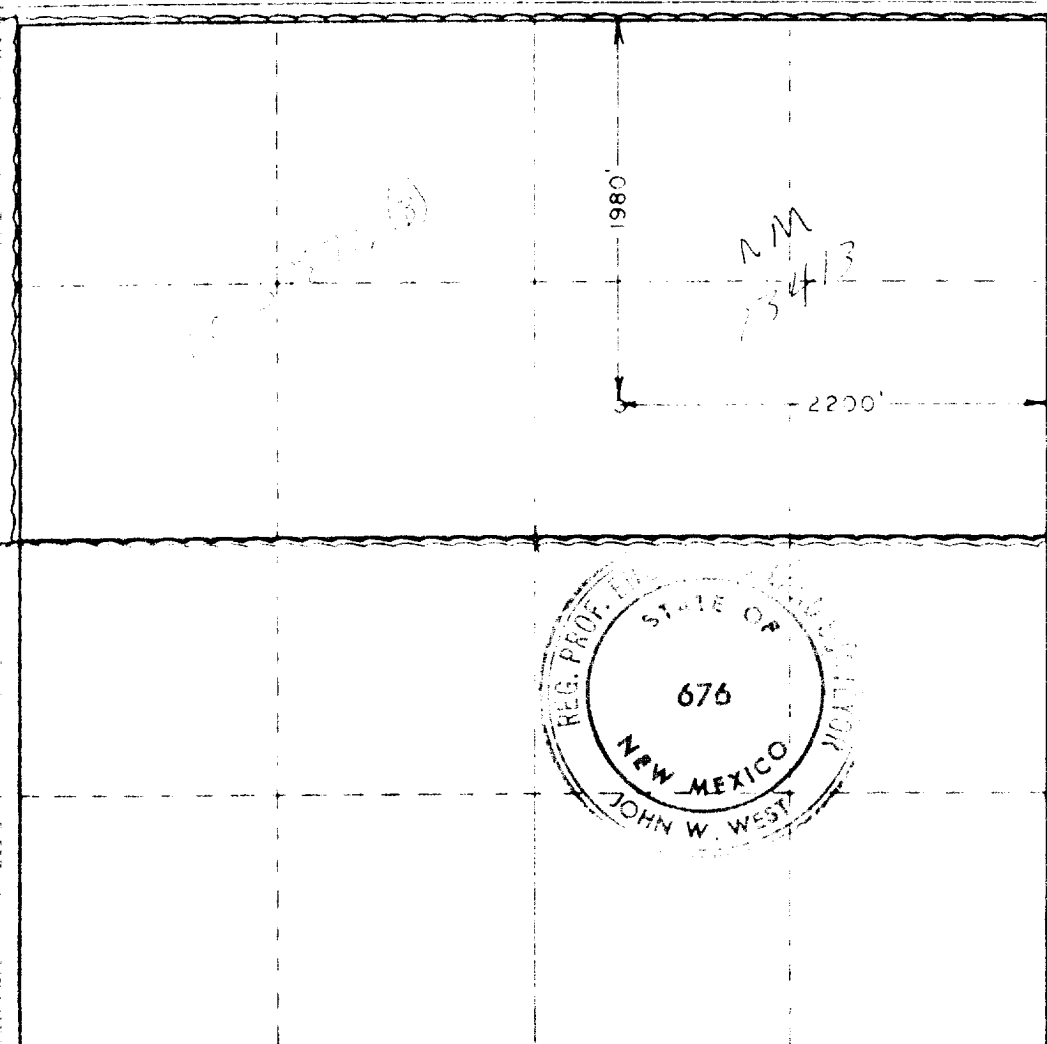
☐ Yes ☐ No If answer is "yes," type of consolidation _____

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.

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ARTESIAN NEW MEXICO



CERTIFICATION

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

D.R. Couch
Administrative Analyst (SG)

Amoco Production Company
15-16-78

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.

April 29, 1978

Registration and Seal of Engineer
and Surveyor

John W. West

Certificate No. **John W. West 676**
Ronald J. Eidson 3239

