

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-015-20912

5. LEASE IDENTIFICATION AND SERIAL NO.

11-0428657

6. IF DRILLING, INDICATE ON THIS FORM

7. UNIT AGREEMENT NAME

Arco-Federal

8. UNIT NO.

No. 1

9. NAME AND POOL, OR WILDCAT

Winchester-Morrow

10. SEC. 2, E. 2, OR 34

Unit E

Sec. 34-T19S-R28E

12. COUNTY OR PARISH

Bddy

13. STATE
New Mexico

1. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

2. TYPE OF WELL

OIL ☐

GAS ☒

OTHER

SINGLE ☐

MULTIPLE ☐

3. NAME OF OPERATOR

Dorchester Exploration, Inc.

RECEIVED

4. ADDRESS OF OPERATOR

1204 Vaughn Building, Midland, Texas 79701 JUL 25 1973

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

At surface

1980 ft. FNL and 660 ft. FWL Section 34-19S-28E

At proposed prod. zone

Lower Morrow-Approx. same as surface location

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

12 miles NE of Carlsbad

15. DISTANCE FROM PROPOSED*

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

660

16. NO. OF ACRES IN LEASE

640

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.

None

19. PROPOSED DEPTH

11,300

20. ROTARY OR CABLE TOOLS

Rotary

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

3313 GR

22. APPROX. DATE WORK WILL START*

August 1, 1973

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17"	13 3/8	48	App. 300'	Sufficient to circulate
12 1/4"	8 5/8	24	App. 3000'	Sufficient to circulate-see Note
7 7/8"	4 1/2	11.6 & 13.5	App. 11,300'	300 sacks

Note 1. If loss of circulation occurs due to encountering reef section, cementing will be two-stage with DV tool located above loss circulation zone.

Blow out equipment: 900 series double ram hydraulic
900 series Hydrill
Choke manifold

Mud Program: Fresh water or controlled brine as required to maintain hole conditions to 8 5/8" casing point. Drill 7 7/8" below intermediate casing with water displaced with 10% brine at 8500 ft. converting to low water loss-salt gel mud system at 10,600 ft. to T.D.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and propose 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 prevention program, if any.

24.

SIGNED

TITLE

Engineer

DATE

July 3, 1973

(This space is for State office use)

APPROVED

H. L. BEEKMAN
ACTING DISTRICT ENGINEER

THIS APPROVAL IS VOID IF OPERATIONS ARE NOT COMMENCED WITHIN 3 MONTHS. TERM EXPIRES OCT 24 1973

Compliance with Well Control Requirement, dated 6-22-73 attached

DECLARED WATER BASIN
CEMENT BEHIND THE CASING MUST BE CIRCULATED

NOTIFY USGS IN SUFFICIENT TIME TO WITNESS CEMENTING THE