

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

NM-0428657

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

None

7. UNIT AGREEMENT NAME

Arco-Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Winchester-Morrow

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

Unit E

Sec. 34-19S-28E

12. COUNTY OR
PARISH

Eddy

13. STATE

New Mexico

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____

2. NAME OF OPERATOR

Dorchester Exploration, Inc.

3. ADDRESS OF OPERATOR

1204 Vaughn Bldg., Midland, Texas 79701

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

At surface 1980 FNL & 660 FWL

Sec. 34-T19S-R28E

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

7-24-73

15. DATE SPUDDED

8-9-73

16. DATE T.D. REACHED

9-18-73

17. DATE COMPL. (Ready to prod.)

10-17-73

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

3324 RKB

19. ELEV. CASINGHEAD

3312

20. TOTAL DEPTH, MD & TVD

11,400

21. PLUG, BACK T.D., MD & TVD

11,200

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-11,400

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

10,937-10,963 Morrow

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Laterolog Neutron-Density Gamma Ray-Collar

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	48	311	17 1/2	375 Sks. Class "C"	
8 5/8	24	2940	12 1/4	200 Sks. Lite Plus 155 Sks. Class "C"	
4 1/2	11.6	11400	7 7/8	500 Sks. Lite Plus 300 Sks. Class "H"	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

10,937-10,963

18 hole 0.42" Diameter

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
10937-63	1620 Gals. of 15% acid
	16,000 Gals. 5% acid, 8,000 Gals.
	CO ₂ , 15,600# 20-40 sand,
	24,000# Glass beads

33.*

PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
		Flowing				Shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS—WATER RATIO
10-16-73	4	20/64	→		300		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (°API)	
725	Pkr.	→		1800		OCT 20 1973	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented

TEST WITNESSES

35. LIST OF ATTACHMENTS

Note: 4 point test will be run after gas line connection

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

Engineer

DATE 10-26-73

*(See Instructions and Spaces for Additional Data on Reverse Side)

OCT 23 1973
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO
Pasted 10-26-73 JWC

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Morrow	10897	10992	DST #1 - Gas to surface in 21 min. Max. gauge 551 MCF. 550' of gas cut mud. Hyd. pressure 5577-5531 30 min. pre-flow 187-328, 60 min. ISIP 4477. F.P. during test 258-656 240 min. FSIP 4500 psi	Yates San Andres Bone Springs Wolfcamp Canyon Strawn Morrow Barnett	1370 1923 7390 8039 9763 10025 10815 10242	
Morrow	10990	11045	DST #2 Weak blow. Recovered 90' mud. 15 min. pre-flow 93-93, 60 min. FSIP 164. Hyd. 5553-5553			
Morrow	11090	11175	DST #2 recovered 9900' of salt water. Open 1 hr.			