

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved,  
Budget Bureau No. 42-1435-5.

Copy 451

5. LEASE DESIGNATION AND SERIAL NO.  
100 0789224 - 0

6. IF INDIAN, ALGONQUIN OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Western Reserves Federal

9. WELL NO.  
1

10. FIELD AND POOL, OR WILDCAT  
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Sec. 21, T-26-S, R-25-E

12. COUNTY OR PARISH  
Eddy

13. STATE  
New Mexico

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AUG 9 1973

O. C. C.

ARTERIA OFFICE

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. RESRV.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
Natural Gas Exploration Corporation

3. ADDRESS OF OPERATOR  
(20 Commercial Bank Tower Midland, Texas 79701)

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
At surface 1980' T.C.I., 660' F.W.L. Sec. 21

At top prod. interval reported below

At total depth Same

14. PERMIT NO. DATE ISSUED  
Approved 5/31/73 | 5/31/73

15. DATE STUDIED 5/31/73 16. DATE T.D. REACHED 6/14/73 17. DATE COMPL. (Ready to prod.) Dry Hole 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 3735 DF, 3729 GR 19. ELEV. CASINGHEAD 3729

20. TOTAL DEPTH, MD & TVD 1396 21. FEET, EACH T.D., MD & TVD 1394 22. IF MULTIPLE COMPL., HOW MANY\* → 23. INTERVALS DRILLED BY → ROTARY TOOLS X CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
Dry Hole 25. WAS DIRECTIONAL SURVEY MADE? No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
Simultaneous Gamma Ray Neutron log 27. WAS WELL CORED? No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8	24	208	11"	100 Sacks	None

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACER SET (MD)
None					None		

31. PERFORATION RECORD (Interval, size and number)  
Dry Hole

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.\* PRODUCTION

DATE FIRST PRODUCTION Non-Commercial PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) TESTED WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
			→				

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
		→				

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

35. LIST OF ATTACHMENTS

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

SIGNED B. W. Blair TITLE Agent DATE 7-2-73

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

# 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 20 and 21, and 22, 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 (depths, rocklogs, geologic logs, 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 filed on this form, see item 22.

Item 4: If there are no applicable State requirements, location on National or Indian land should be described by address, including county, State, and section and street or lot, as shown below for separate instructions.

Item 10: Elevation 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 22. 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: "Stacks Comment": Attached supplemental records for this well should show the details of any multiple stage completion 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.)

27. SUMMARY OF PRODUCTIVE ZONES.  
 SHOW ALL PERMEANT ZONES OF POROSITY AND CONTENTS THEREOF, COILED INTERVALS, AND ALL DRILLSTEM TESTS, INCLUDING  
 LOGS, RECORDS, TESTS, CORRELATION DATA, AND NECESSARY EXPLANATIONS AND PHOTOGRAPHS.

FORMATION	TOP		BOTTOM	DESCRIPTION, CONTENTS, ETC.	US. GEOLOGIC MAPS	NAME	NEAR, DEPTH	TOP
	Surface	1215						
Castle		1215		Anhydrite				
Janer	1215	1262		Limey silt		Janer	1215	
Delaware SS	1262	T.D.		Fine grained Sandstone		Delaware SS	1262	

**CORE LABORATORIES, INC.**  
*Petroleum Reservoir Engineering*  
 DALLAS, TEXAS

NATURAL GAS EXPLORATION  
 WESTERN RESERVE FED NO. 1  
 WILDCAT  
 EDDY COUNTY, NEW MEXICO

DATE: 6-12-73  
 FORMATION: DELAWARE  
 DRUG. FLUID: DELAWARE FORMATION WATER  
 LOCATION: 1980 FSL 660 FWL SEC 21 T-26-S R-25-E

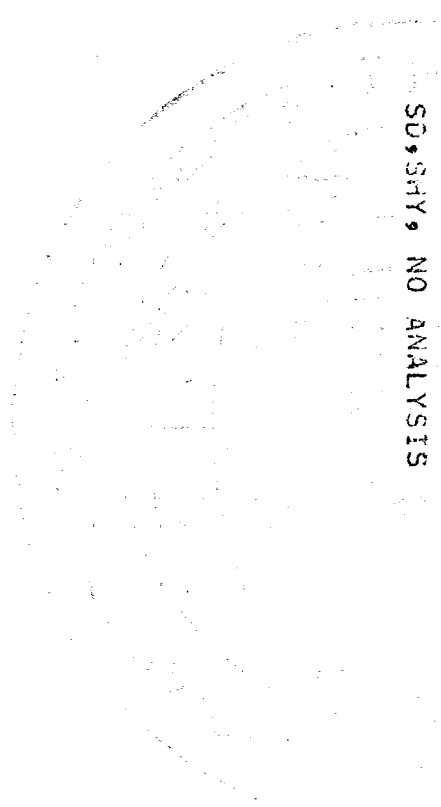
FILE NO. 621-9073  
 ENGINEER: HALL  
 ELEVATION: 3701 GL  
 R-25-E

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 CORE ANALYSIS RESULTS  
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CONVENTIONAL (PLUG) ANALYSIS

SMP. NO.	DEPTH	PERM. TO AIR MD. MAX.	90	POROSITY PCT.	FLUID SAT. OIL	WTR	DESCRIPTION	
1	1285.0-86.0	35.0	23.4	4.9	60.0	SD		
2	1286.0-87.0	15.0	20.7	8.8	63.2	SD		
3	1287.0-88.0	26.0	22.9	9.3	66.4	SD		
4	1288.0-89.0	15.0	22.6	7.9	56.7	SD		
	1289.0-90.0	SD, SHY, NO ANALYSIS						

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 AUG-31-1973



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