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NEW MEXICO OIL CONSERVATION COMMISSION

OIL CONSERVATION COMM
Santa Fe

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease State ☐ Fee ☒
5. State Oil & Gas Lease No.
7. Unit Agreement Name
8. Farm or Lease Name Fernandez-Maes
9. Well No. #1
10. Field and Pool, or Wildcat Wildcat
12. County Mora

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL ☐ GAS WELL ☐ OTHER- Water Well
2. Name of Operator Brooks Exploration Incorporated
3. Address of Operator Suite 406, 1776 Lincoln St., Denver, Colorado 80203
4. Location of Well UNIT LETTER F, 1980 FEET FROM THE North LINE AND 830 FEET FROM THE West LINE, SECTION 17 TOWNSHIP 22N RANGE 21E NMPM.
15. Elevation (Show whether DF, RT, GR, etc.) 6408' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐
PULL OR ALTER CASING ☐	OTHER Assign test well to rancher for use as water well ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐	ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☒	OTHER ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

A 12-3/4" hole was drilled to 20' where 10-3/4" conductor was mudded in. Then an 8-3/4" hole was drilled to 1019' where 7" 20# casing was set and cemented with 50 sacks regular cement. The hole was then deepened to 1272' with a 6-1/8" bit where water was encountered in the Dakota Sand. Top of the Dakota was found at 1252'. Drilling report and sample analysis are enclosed. We propose to turn this test over to Mr. Max Maes of Springer, New Mexico for uses as a water well. Necessary forms are presently being prepared.

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

SIGNED B. A. Brooks TITLE President DATE November 18, 1974

APPROVED BY _____ TITLE SENIOR PETROLEUM GEOLOGIST DATE _____

CONDITIONS OF APPROVAL, IF ANY:

E. C. BARNHOLT

PETROLEUM ENGINEER

308 C. A. JOHNSON BUILDING

DENVER, COLORADO 80202

OFFICE 303/222-0050

HOME 303/733-1120

DRILLING REPORT

OF

BROOKS EXPLORATION INCORPORATED

MAX MAEZ NO. 1

MORA COUNTY, NEW MEXICO

LOCATION: Lot 2, Section 17, Township 22 North, Range 21 East, Mora County, New Mexico

ELEVATION: 6408 Ground; 6410 K.B.

COMMENCED: October 22, 1974

COMPLETED: November 9, 1974

TOTAL DEPTH: 1272 ft.

CASING: 10-3/4" set at 22 ft. mudded in. 7"-20 lb. set at 1019 ft., cemented with 50 sacks.

DAILY DRILLING REPORT:

10-22-74 Found location, move in drilling rig, drill 6-1/4" pilot hole to 20 ft. Sample top Niobrara 18 ft.

10-23-74 Reamed pilot hole to 12-3/4", trying to run 10-3/4" conductor. Unable to run conductor due to sand and gravel.

10-24-74 Reamed hole to 13-3/4", ran and mudded in 10-3/4" conductor. Drilled 8-3/4" hole to 310 ft.

10-25-74 Drilled to 740 ft. Out of drill pipe.

10-26-74 Unloaded and racked 7" casing, waiting on drill pipe.

10-27-74 Waiting on drill pipe.

10-28-74 Start drilling, some moisture in well, dried up in 30 min. Drilled to 890 ft. Samples moist at 830 ft.

10-29-74 Rig up to mist drill.

10-30-74 Mist drill to 1025 ft.

10-31-74 Conditioned hole, pull drill pipe, start to run 7" casing.

11-1-74 Ran 7" casing to 1019 ft. with drill out guide shoe, 1 centralizer on top of shoe joint. Cemented with 50 sacks 2% cacl. Gas from Fort Hayes would burn 3' high flame while welding.

11-2-74 WOC

11-3-74	Cut off casing, welded on collar, start in hole with 6-1/8" bit. Plugged bit with soft cement at 905 ft. Pulled bit, cleaned out, started back in hole.
11-4-74	Going in hole cleaning out. Top of good cement at 979 ft. Mist drilled cement and shoe, dried up hole, air drilled to 1125 ft. Rig had to use pickup line to come off bottom. Shut down to get smaller drill pipe.
11-5-75	Wait on drill pipe.
11-6-74	Wait on drill pipe.
11-7-74	Unloaded and racked 2-3/8" drill pipe.
11-8-74	Pull 4-1/2" drill pipe, left 10 joints (205') 4-1/2" drill pipe, subbed on 2-3/8" drill pipe, air drilled to 1210 ft. Some moisture in hole.
11-9-74	Air drilled to 1252 ft. Samples indicate water coming in hole. Started blowing out water at 8 gal/min at 1265 ft., lost all returns at 1272 ft. Pulling drill pipe, trying to get returns, got returns at 821 ft. making 8 gal. water per minute.
	Indicating that water entry into the well at 1272 ft. was so great that the compressors couldn't handle it.
	Estimated bottom hole pressure from fluid level is 195 psi. Shut down.
11-10-74	Released rig.

SAMPLE DESCRIPTION

Surfact to 18'	Gravel and coarse sand
18'	Top Niobrara
18 - 50	Shale
50 - 60	Shale and rewdk. sandstone hard and tight, no show.
60 -230	Shale
230 -240	Shale and brown pyritic sandstone, no show.

240- 260	Shale
260- 270	Shale and rewkd. sandstone hard and tight, no show.
270- 310	Shale
310- 320	White and gray sandstone clayfilled to rewkd hard and tight, no show.
320- 330	Shale tr. brown rewkd. sandstone, no show, tr. brown limestone.
330- 360	Shale
360- 420	Interbedded shale and gray rewkd hard and tight, sandstone, no show.
420- 470	Shale
470- 480	Shale; tr. white friable sandstone, no show.
480- 790	Shale
790	Top Fort Hayes
790- 820	Gray shale and gray limestone, fluorescence.
820- 830	Gray limestone odor and fluorescence.
830-1040	Gray shale
1040-1050	Shale with a tr. pyritic limestone.
1050	Top Greenhorn
1050-1080	Tan dense limestone, fluorescence, no stain.
1080-1100	Gray shale, dense limestone, bentonite.
1100-1120	Gray shale
1120-1150	Shale, abundant bentonite.
1150-1180	Shale
1180-1190	Shale trace gray rewkd. sandstone, fluorescence.

1190-1200	No Sample
1200-1250	Shale trace rewd. sandstone spotted dull fluorescence.
1252	Dakota Silt
1250-1270	Brown to white friable sandstone, no show.
1272	White friable sandstone spotted pale fluorescence.