Form 31 0-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

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—" for such proposals.)

1. OIL WELL [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: MOBIL OIL CORPORATION

3. ADDRESS OF OPERATOR: P. O. DRAWER G, CORTEZ, COLORADO 81321

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 900' FSL, 900' FWL

5. LEASE DESIGNATION AND SERIAL NO.: Jicarilla 99

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Jicarilla

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Jicarilla D

9. WELL NO.: 16

10. FIELD AND POOL, OR WILDCAT: NE Ojito GALLUP DAKOTA

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 23 T26N R3W

12. COUNTY OR PARISH: RIO ARRIBA 13. STATE: N.MEX.

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): UBL: 7309

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			
(Other) -Revised Cementing Procedures	x			(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Mobil Oil Corporation has revised the cementing procedure for the production casing. The revised procedure is attached.

NOTE: The size of the production casing in Item 23 of APD (Form 316a3) should be 5½" and not 5"2".

RECEIVED
BLM MAIL ROOM
87 JUL -7 AM 9:17
FARMINGTON RESOURCE AREA
FARMINGTON, NEW MEXICO

RECEIVED
JUL 13 1987
OIL CON. DIV
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED Clyde J. Benally C. J. Benally TITLE Sr. Environmental Engineer DATE 7/2/87

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

JUL 08 1987

AREA MANAGER
FARMINGTON RESOURCE AREA

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

MOBIL OIL CORPORATION

JICARILLA 'D' WELL #16
Section 23-T26N-R3W
Rio Arriba County, New Mexico

REVISED 5-1/2" CEMENTING PROCEDURE
FOR ATTACHMENT TO SUNDRY NOTICE

5-1/2" CEMENTING PROCEDURE:

The 5-1/2" 15.5# K-55 LT&C casing will be cemented to surface using a nitrofied cement slurry. The drilling mud and 30 barrel water spacer ahead of the cement will also be nitrofied using +/- 150 scf N2/bbl bringing the effective weights into the 7.5 ppg range. The casing will be equipped with a float shoe on bottom and a float collar one joint from the shoe. Centralizers will be placed on the middle of the shoe joint and every other collar up through the top of the Gallup at approximately 7000', and 100' above, through and below other possible productive zones.

SPACER: Nitrofy approximately 200 barrels of mud (one casing volume) with +/-150 scf/bbl to +/-7.5 ppg. Follow with a 30 barrel water spacer nitrofied in the same manner. The purpose of nitrofying these fluids is mainly to reduce the hydrostatic pressure on the well enough to insure cement returns to the surface.

LEAD SLURRY: Pump a total of 1250 sx of TXI Liteweight cement with 0.4% WL-1P (foam stabilizer). Pump the first 625 sx with the addition of 5#/sx Hi-seal (lost circulation material). Nitrofy the slurry using a total of 99350 scf of N2 which is an equivalent of 925 scf/min at a cement pump rate of 3 bpm or roughly 308 scf/bbl of cement.

Base Density:	12.8 ppg
Average Foam Density:	9.065 ppg
Average Yield (foam):	2.40 cu ft/ sx
Water Requirement:	7.56 gal/sx
Free Water (base cmt):	3.2 mls
Free Water (foam):	0 mls
Water Loss (base cmt):	1944 cc/30 min
Water Loss (foam):	0 cc/30 min
Thickening Time:	3 hours 10 minutes
Compressive Strengths:	875 psi in 24 hours

TAIL SLURRY: Pump 600 sx of TXI Liteweight not foamed

Density:	14.2 ppg
Yield:	1.09 cu ft/sx
Water Requirement:	4.95 gal/sx
Free Water:	2 mls
Water Loss:	1275 cc/30 min
Thickening Time:	2 hours 15 minutes
Compressive Strength:	2825 psi in 24 hours

NOTES:

1. All volumes are based on a 9-1/2" hole plus 40% excess. Volumes will be adjusted based on the caliper log plus 40% excess.
2. All cement properties for the foamed cement are based on an average foam density of 9.065 ppg.
3. A back pressure of 250 psi will be held on the annulus during the entire job to prevent nitrogen break out and to maintain the integrity of the cement.
4. A cement cap of 100 sx of Class 'B' with 10% Thixad (thixotropic additive-cal seal) will be pumped down the annulus at the end of the job. This volume will cover the entire surface casing annulus and some into the open hole. The properties of the cap are as follows:

Density:	15.6 ppg
Yield:	1.20 cu ft/sx
Water Requirement:	5.5 gal/sx
Thickening Time:	15-30 min after pumping
Compressive Strength:	1220 psi in 24 hours

5. The temperatures used for slurry design are 180 deg F BHST and 125 deg F BHCT for the main slurries and 90 deg F for the cap slurry.
6. Cement is designed to return to surface. The tail slurry is designed to cover from 8400' to the top of the Gallup at +/- 7000'.

W. D. Lowry
Staff Drilling Engineer