

In Lieu of
Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

RECEIVED
BIM
INSTRUCTIONS ON
REVERSE SIDE

5. LEASE DESIGNATION AND
LEASE NO. SF-078771

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐
b. TYPE OF COMPLETION:
NEW WELL ☒ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

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2. NAME OF OPERATOR
WILLIAMS PRODUCTION COMPANY

3. ADDRESS AND TELEPHONE NO.

P.O. BOX 3102 MS 37-4 TULSA, OK 74101 (918) 588-4592

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):
1095' FNL & 1655' FWL
At Surface

At top production interval reported below

At total depth

OIL CON. DIV.
DIST. 3

6. IF INDIAN, ALLOTTEE OR

7. UNIT AGREEMENT NAME
ROSA UNIT (00017033)

8. FARM OR LEASE NAME, WELL NO.
ROSA UNIT #16A

9. API WELL NO.
30-039-25496

10. FIELD AND POOL, OR WILDCAT
BLANCO MESAVERDE 72319

11. SEC., T., R., M., OR BLOCK AND
SURVEY OR AREA
NE/4 NW/4 SEC. 14, T31N R6W

15. DATE
SPUDDED
05/16/95

16. DATE T.D.
REACHED
05/23/95

17. DATE COMPLETED
(READY TO PRODUCE)
06/22/95

14. PERMIT
NO.

DATE ISSUED

12. COUNTY OR
PARISH
RIO ARriba

13. STATE
NEW MEXICO

18. ELEVATIONS (DK, RKB,
RT, GR, ETC.) *
6375' GR

19. ELEVATION CASINGHEAD
6375'

20. TOTAL DEPTH, MD & TVD
6090'

21. PLUG, BACK T.D., MD & TVD
6065'

22. IF
MULTICOMP.,
HOW MANY

23. INTERVALS
DRILLED
BY

ROTARY TOOLS
X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD) *
BLANCO MESAVERDE 5401' TO 6004'

25. WAS DIRECTIONAL SURVEY MADE
YES

26. TYPE ELECTRIC AND OTHER LOGS RUN
CASED HOLE: GR/CCL/CBL OPEN HOLE: IND/GR/CDL/CNL/TEMP

27. WAS WELL CORED
NO

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD			AMOUNT PULLED
8-5/8" K-55	36#	516'	12-1/4"	265 SX	313 cu.ft.	SURFACE	
7" K-55	20#	3641'	8-3/4"	586 SX	1048 cu.ft.	SURFACE	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2" K-55	3515'	6090'	245 SX (424 cu.ft.)		2-3/8", 4.7#	5942'	

30. TUBING RECORD

31. PERFORMANCE RECORD (Interval, size, and number)

1ST STAGE
5692', 95', 98', 5701', 04', 07', 10', 13', 21', 24', 27', 30', 46', 49', 55', 57', 60', 67', 75', 81', 95',
5809', 11', 20', 22', 74', 5880', 99', 5904', 07', 30', 48', 63', 80', 6004'. TOTAL OF 35 (.36") HOLES

2ND STAGE
6401', 04', 35', 37', 39', 41', 49', 51', 53', 55', 57', 59', 61', 63', 65', 67', 69', 71', 73', 99', 5517', 27',
67', 70', 73', 76', 79', 82', 5612', 15', 18', 21', 24', 30', 33', 36'. TOTAL OF 36 (.36") HOLES

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

DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
5692'	6004'	100,000# 20/40 SAND	2,498 BBLS OF SLICK WATER
5401'	5636'	100,000# 20/40 SAND	2,317 BBLS OF SLICK WATER

33. PRODUCTION

DATE OF FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) FLOWING				WELL STATUS (PRODUCING OR SHUT IN) SHUT IN	
DATE OF TEST 7/03/95	HOURS TESTED 3 HR. IP	CHOKE SIZE 3/4"	PROD'N FOR TEST PERIOD-----	OIL - BBL. 0	GAS - MCF 575	WATER - BBL. 0	GAS-OIL RATIO N/A
FLOW TUBING PRESS 347#	CASING PRESSURE 841#	CALCULATED 24-HOUR RATE----- IF FLOWING PRESSURES		OIL - BBL. 0	GAS - MCF 4800	WATER - BBL. N/A	OIL GRAVITY- API (CORR.)

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

TO BE SOLD

TEST WITNESSED BY
CHIK CHARLEY

35. LIST OF ATTACHMENTS: LOGS, SUMMARY OF POROUS ZONES, DEVIATION REPORT & WELLBORE DIAGRAM.

ACCEPTED FOR RECORD

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

SIGNED SUSAN GRIGUHN TITLE CLERK DATE July 13, 1995

JUL 20 1995

*(See Instructions and Spaces for Additional Data 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.

NMOC

FARMINGTON DISTRICT OFFICE

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);				38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP		
				NAME	MEASURED DEPTH	TRUE VERTICAL DEPTH	
<u>NACIMIENTO</u>							
040 ALAMO	2432'	2632'					
KIRTLAND	2632'	3009'					
FRUITLAND	3009'	3200'					
PICTURED CLIFFS	3200'	3556'					
LEWIS	3556'	6381'					
CLIFF HOUSE	6381'	6476'					
MENEFEE	6476'	6680'					
POINT LOOKOUT	6680'	6988'					
MANCOS	6988'	N/A					
TD	6090'						

RECEIVED
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WELLBORE DIAGRAM
ROSA UNIT #16A MV

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070 FARMINGTON, NM

LOCATION: 1095'FNL, 1655'FEL
NE/4 NW/4 SEC. 14, T31N, R6W
RIO ARRIBA, Co., NM
ELEVATION: 6375' GR
KB: 12'

TOPS:

NACIMIENTO	N/A
OJO ALAMO	2432'
KIRTLAND	2532'
FRUITLAND	3009'
PICTURED CLIFFS	3200'
LEWIS	3556'
CLIFF HOUSE	5381'
MENEFEE	5476'
POINT LOOKOUT	5680'
MANCOS	5988'

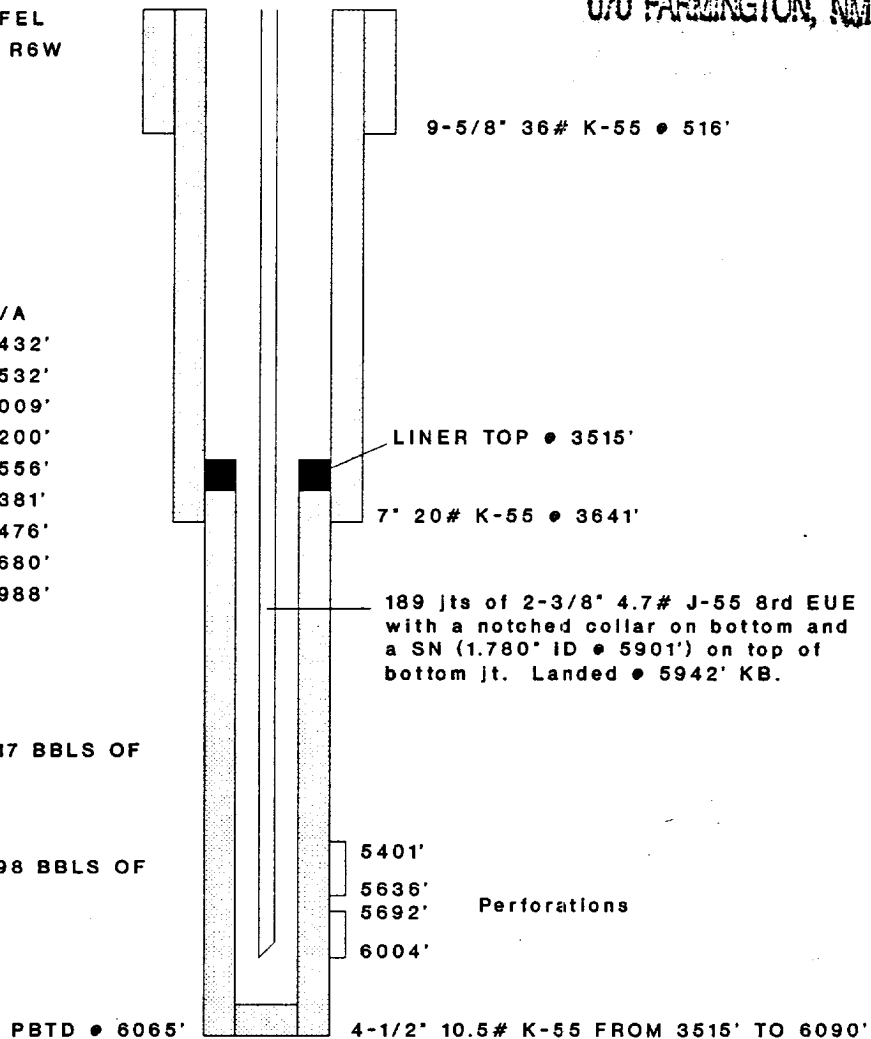
STIMULATION

MENEFEE/CLIFF HOUSE

5401' - 5636'
100,000# OF 20/40 IN 2317 BBLs OF
SLICK WATER

POINT LOOKOUT

5692' - 6004'
100,000# OF 20/40 IN 2498 BBLs OF
SLICK WATER



HOLE SIZE	CASING	CEMENT	VOLUME	TOP OF CMT
12-1/4"	9-5/8" 36#	265 SX	313 CU.FT.	SURFACE
8-3/4"	7" 20#	586 SX	1048 CU.FT.	SURFACE
6-1/4"	4-1/2" 10.5#	245 SX	424 CU.FT.	LINER TOP

FOUR CORNERS DRILLING CO.

P. O. BOX 1067
5651 U.S. HWY. 64
FARMINGTON, NEW MEXICO 87499

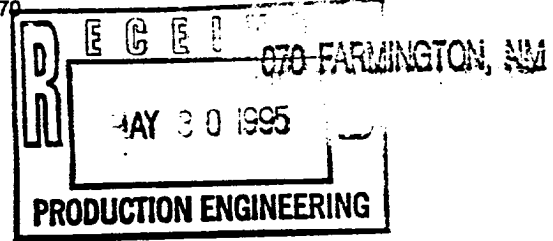
TELEPHONE: (505) 326-3371
FAX: (505) 326-3370

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May 25, 1995

Williams Production
Mark McAllister
295 Chipeta Way
Salt Lake, UT 84108



**RE: Deviation report on the Rosa Unit 16A,
Section NW ¼ 14, Township 31N, Range 6 W
Rio Arriba County, New Mexico**

Gentlemen:

Below is the deviation report for your Rosa Unit 16A Well.

121'	1°
357'	1°
507'	¼°
747'	¾°
1121'	1°
1617'	1¼°
2121'	1¾°
2614'	1¼°
3114'	1½°
3617'	1°
3982'	½°
4479'	1°
5009'	1¾°
5511'	1¾°
6072'	1½°

Sincerely,

FOUR CORNERS DRILLING COMPANY

Gary Miller
Drilling Superintendent

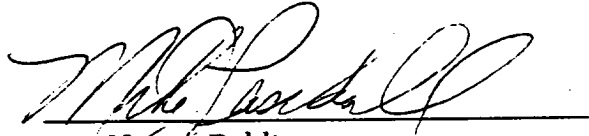
GM/tdd

May 25, 1995
Rosa Unit 16A
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Acknowledgement

State of New Mexico)
) s.s.
County of San Juan)

The foregoing instrument was acknowledged before me this 25th day of May, 1995, by Gary Miller.



Notary Public

My Commission Expires : 8-27-98
(seal)