June 3, 1998

Williams Exploration and Production Company P. O. Box 3102 Tulsa, Oklahoma 74101

Attention: Sterg Katirgis

Application for administrative approval for a non-standard Blanco-Mesaverde infill gas well location in an existing gas spacing and proration unit for its existing Rosa Unit Well No. 125 (API No. 30-039-25144), located 970 feet from the North line and 1190 feet from the East line (Unit B) of Section 13, Township 31 North, Range 6 West, NMPM, Blanco-Mesaverde Pool, Rio Arriba County, New Mexico.

Dear Mr. Katirgis:

Re:

I am returning the subject application as incomplete. In carrying out my duties in properly preparing an administrative order for the Director's signature in this matter (please refer to Division Administrative Order NSL-3293-A, dated May 20, 1997 as an example), information on all Blanco-Mesaverde producing gas wells within the subject gas spacing and proration unit ("GPU") is needed. This includes well names, well numbers, API numbers, complete location descriptions, and in particular reference to all previous orders related to this particular well, other applicable Blanco-Mesaverde producing wells, and non-standard gas spacing and proration unit ("GPU") approval.

Other items that will be needed to complete this application are:

- (a) Administrative Application Coversheet;
- (b) Current C-102 and other applicable forms concerning Williams' recompletion of this well to the Blanco-Mesaverde Pool;
- (c) A map of the Rosa Unit and the Blanco-Mesaverde participating area;
- (d) A plat that shows and identifies <u>all</u> mineral interests (WI, ORRI, and RI) in the affected offsetting acreages and verification and proof that <u>all</u> have ratified the Rosa Unit Agreement;
- (e) Site all applicable rules and regulations that apply to this pool, its spacing, and the well location exception process (note R-8170, as amended, is no longer in effect); and,

(f) Provide me a properly prepared rough draft order that sites all related previously approved orders, the rules allowing the Division to process this application, the correct land descriptions and acreage amounts, and a return address.

I had in the past researched this and similar information and included it in previous orders; however, due to our work load, time constraints, and in the Division's attempt to speed up and streamline our processes, I can no longer afford the time to provide this luxury. In the future the applicant must take full responsibility of their application and provide all information required to complete an application. Any deletion of necessary data may result in an application being delayed, returned, and/or set to hearing.

Until such time as a complete and properly filed application is submitted by Williams Exploration and Production Company and an official written order is issued from the Division Director in this matter, the Rosa Unit Well No. 125 is to be and remain shut-in.

Sincerely

Michael E. Stogner

Chief Hearing Officer/Engineer

cc: New Mexico Oil Conservation Division - Aztec Lori Wrotenbery, Director - NMOCD, Santa Fe Kathy Valdes, NMOCD - Santa Fe

ICIL CONSERVATION DIVISION



ENERGY SERVICES Exploration & Production

New Mexico Oil and Gas Conservation Commission P.O. Box 2088 State Land Office Building Santa Fe, NM 87504

Attention:

Mike Stogner

Chief Hearing Examiner/Engineer

Re:

Application for Non Standard Location

Rosa Unit #125 (Dakota): section 13, T31N, R6W

Dear Mr. Stogner,

Williams Exploration and Production Company is requesting administrative approval to recomplete this well which is located in a non standard location.

The existing well is located 970' FNL, 1190' FEL (Unit B), section 13, T31N, R6W, Rio Arriba County, New Mexico. In order to utilize this shut in wellbore, the non productive Dakota has been plugged and the well recompleted to the Mesaverde. See attached wellbore diagrams.

This well was drilled in an approved non standard location to the Dakota formation by Amoco Production Company in 1992. After testing, Amoco abandoned the Dakota formation. Williams, as Rosa Unit operator, now operates this well. Williams utilized this existing wellbore to develop Mesaverde reserves and minimize surface impacts.

There is another Mesaverde/Dakota dual well in the drill block, the Rosa Unit #125E, located in unit 1.

The offset acreage lies within the boundaries of the Rosa Unit. As Unit operator. WPX does not oppose the non standard location.

As per my conversations with Ernie Busch on March 22, 1998 and his subsequent review of this case with you, we have been given verbal approval to proceed. Ernie approved the C-104, Authorization to Transport, and we are proceeding accordingly to tie in the well.

If you have any questions please call me at (918)561-6250. Thank you for your help.

Sincerely,

Sterg Katirgis
Senior Engineer

addition your help.

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Submit to Appropriate District Crisce Stile Lesse - 4 copies Foe Lesse - I copies

DISTRICT

State of New Mexico __nergy, Minerals and Natural Resources Depart ___.

Form C-102 Revised 1-1-89

OIL CONSERVATION DIVISION

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- P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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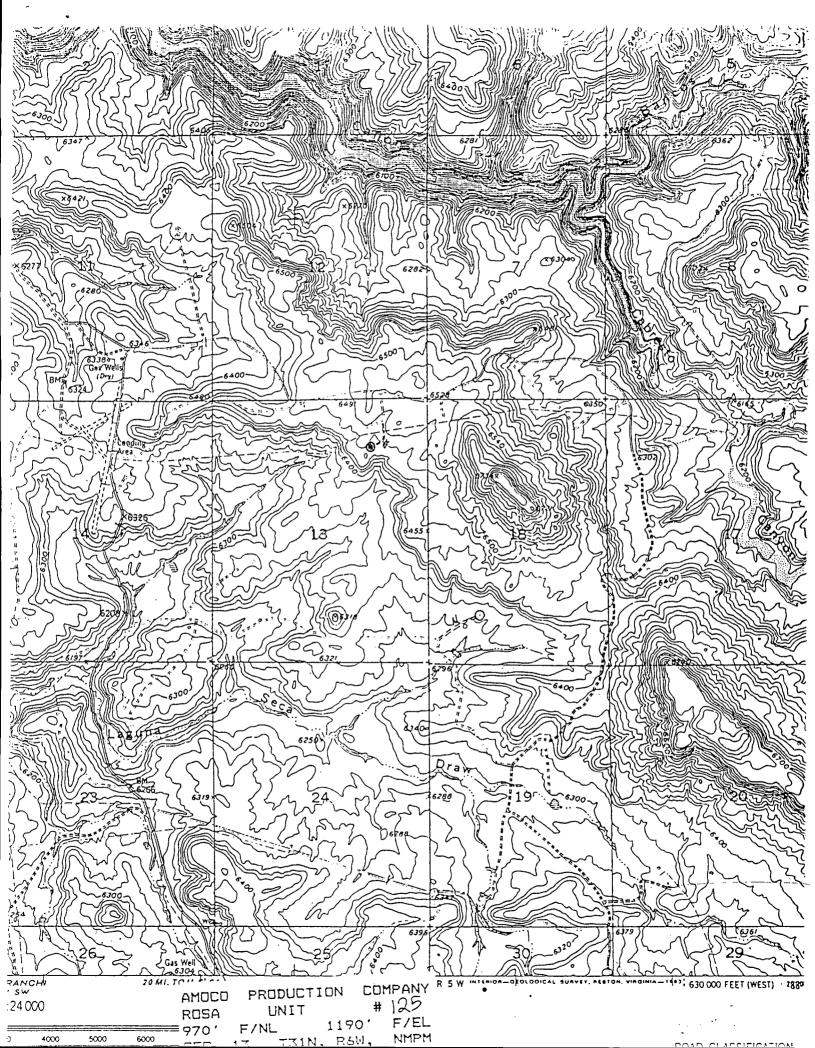
1000 Rio Brazos Rd., Aztec, NM 87410 .

P.O. Drawer DD, Artesia, NM 88210

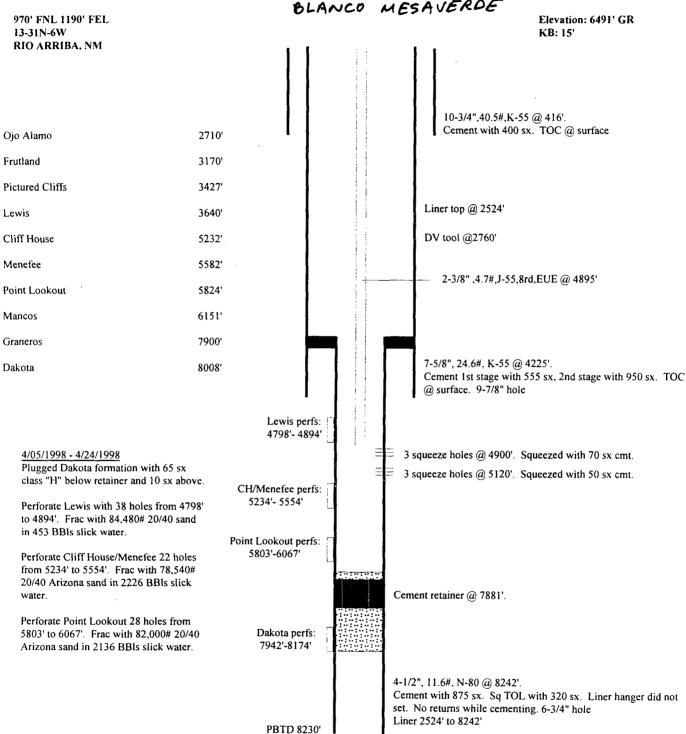
DISTRICT!
P.O. But 1980, Hobbs, NM \$8240

WELL LOCATION AND ACREAGE DEDICATION PLAT WINGTON, H.M.

All Distances must be from the outer boundaries of the section Operator Lesse # 125 AMOCO PRODUCTION COMPANY ROSA UNIT Und Letter Section County Township Range · 6 WEST 31 NORTH RIU ARRIBA NMPM Astual Footage Location of Well: 970 feet from the NORTH line and EAST Ilne 1170 fed from the Ground level Elev. Producing Formation Dedicated Acres ge: 649T Acres 1. Outline the acreage dedicated to the subject well by colored pencil or harhure marks on the plat below. 2. If more than one leave is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling etc? Yes □ № If answer is "yes" type of consolidation If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form If neccessary. No allowable will be and good to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a poor-mandard unit, eliminating such interest, has been approved by the Division. OPERATOR CERTIFICATION 518.76 I hereby certify that the Information contained herein in true and complete to the best of my browledge and belief. 218 antitra Printed Name Position Company Date 13 SURVEYOR CERTIFICATION I hereby earlify that the well location shown on this plat was plotted from full notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my browledge and belief. Date Supered tember 9, 1991 Signature & Seal of D. May PYEYDR 016 9

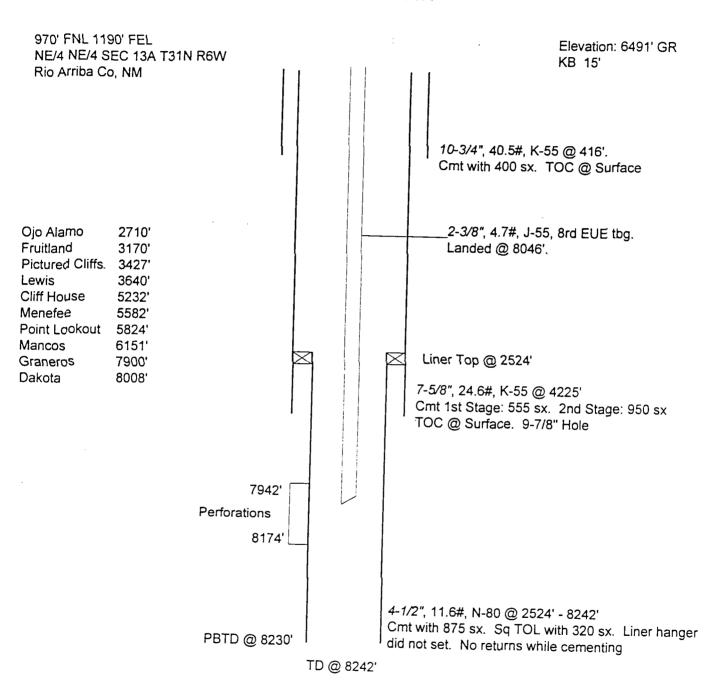


ROSA UNIT #125 BLANCO MESAVERDE



TD: 8242'

ROSA UNIT #125 BASIN DAKOTA



| DATE IN | SUSPENSE | ENGINEER | LOGGED BY | TYPE |
|---------|----------|----------|-----------|------|

NEW MEXICO OIL CONSERVATION DIVISION - Engineering Bureau -



| | 2040 South Pacheco, | Santa Fe, NM 87 | 7505 | 7917 103 | |
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| THIS COVERSHEET IS | MANDATORY FOR ALL ADMINISTRAT WHICH REQUIRE PROCES | | | | D REGULATIONS |
| [PC-Poo | s: [NSP-Non-Standard Prorati [DD-Directional Drillir tole Commingling] [CTB-l | on Unit] [NSL ng] [SD-Simul Lease Comming f-Lease Storage [PMX-Pressu al] [IPI-Inject | Non-Stand taneous De ling] [PL(] [OLM-O re Maintena ion Pressur | lard Location] dication] C-Pool/Lease Comn ff-Lease Measuren ance Expansion] e Increase] | nent] |
| - | | _ | _ | tive Production Re | shouse! |
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| Check [B] | One Only for [B] or [C] Commingling - Storage - M DHC CTB | Measurement PLC PC | OLS | □OLM | |
| [C] | Injection - Disposal - Press WFX PMX | sure Increase - E | nhanced Oil | Recovery PPR | |
| [2] NOTIFICAT | ION REQUIRED TO: - Ch | neck Those Which | ch Apply, or | Does Not Apply | 1 |
| [A] | ☐ Working, Royalty or Ov | | | | |
| [B] | Offset Operators, Lease | holders or Surface | ce Owner | | |
| [C] | ☐ Application is One Whi | ch Requires Pub | lished Lega | l Notice | |
| [D] | Notification and/or Con | | | | |
| [E] | ☐ For all of the above, Pro | oof of Notification | on or Publica | ation is Attached, ar | nd/or, |
| [F] | ☐ Waivers are Attached | | | | |
| [3] INFORMAT | ION / DATA SUBMITTEI | IS COMPLET | TE - Certific | ation | |
| Regulations of the O approval is accurate a ORRI) is common. <i>I</i> information and any | , or personnel under my sup il Conservation Division. In and complete to the best of my understand that any omission required notification is cause Statement must be completed by a | Further, I assert with the knowledge and the constant of the c | that the atta where appli ading API n dication pac | ached application for cable, verify that all numbers, pool codes thage returned with | or administrative interest (WI, RI, s, etc.), pertinent no action taken. |
| Print or Type Name | Signature | | Title | | Date |

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

2040 S. PACHECO SANTA FE, NEW MEXICO 87505 (505) 827-7131

May 20, 1997

Williams Production Company P.O. Box 3102 Tulsa, Oklahoma 74101 Attention: Streg Katirgis

Administrative Order NSL-3293-A

Dear Mr. Katirgis:

Reference is made to your application dated April 30, 1997 for a non-standard Blanco-Mesaverde gas well location for your existing Rosa Unit Well No. 132 (API No. 30-039-25314) which was drilled in 1993 to a total depth of 8,376 feet by Amoco Production Company and completed in the Basin-Dakota Pool at an unorthodox gas well location (approved by Division Administrative Order NSL-3293, dated August 10, 1993) 640 feet from the South line and 950 feet from the West line (Unit M) of Section 22, Township 31 North, Range 5 West, NMPM, Rio Arriba County, New Mexico.

It is our understanding that said well is currently a producing gas well in the Basin-Dakota Pool and upon issuance of this order will be recompleted up-hole into the Blanco-Mesaverde Pool. Further, said location, pursuant to the "General Rules For The Prorated Gas Pools of New Mexico/Special Rules and Regulations For The Blanco-Mesaverde Pool", as promulgated by Division Order No. R-8170, as amended, is also unorthodox. Further, the W/2 of said Section 22 shall be dedicated to the well to form a standard 320-acre gas spacing and proration unit for said pool.

By the authority granted me under the provisions of Rule 2(d) of said special pool rules, the above-described unorthodox gas well location is hereby approved.

All provisions of said Division Administrative Order NSL-3293 shall be placed in abeyance until further notice.

Sincerely,

William J. LeMay

Director

WJL/MES/kv

cc: Oil Conservation Division - Aztec

U. S. Bureau of Land Management - Farmington

File: NSL-3293

LOGGED BY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -2040 South Pacheco, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATION FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

| Applic | ation Acronym | |
|--------|----------------|---|
| | [PC-Pool [V | [NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location] [DD-Directional Drilling] [SD-Simultaneous Dedication] ole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling] Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement] VFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion] [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase] ied Enhanced Oil Recovery Certification] [PPR-Positive Production Response] |
| [1] | TYPE OF AF | PLICATION - Check Those Which Apply for [A] Location - Spacing Unit - Directional Drilling NSL NSP DD D SD |
| | Check [B] | One Only for [B] or [C] Commingling - Storage - Measurement DHC CTB PLC PC DESSER AND MODIVISION |
| | [C] | Injection - Disposal - Pressure Increase - Enhanced Oil Recovery WFX PMX SWD IPI DEOR PPR |
| [2] | NOTIFICAT [A] | ION REQUIRED TO: - Check Those Which Apply, or Does Not Apply Working, Royalty or Overriding Royalty Interest Owners |
| | [B] | ☐ Offset Operators, Leaseholders or Surface Owner |
| | [C] | ☐ Application is One Which Requires Published Legal Notice |
| | [D] | ☐ Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office |
| | [E] | ☐ For all of the above, Proof of Notification or Publication is Attached, and/or, |
| | [F] | ☐ Waivers are Attached |
| 31 | INFORMAT | ION / DATA SUBMITTED IS COMPLETE - Certification |

[3]

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I understand that any omission of data (including API numbers, pool codes, etc.), pertinent information and any required notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

8185



Exploration & Production One Williams Center, P.O. Box 3102, MS 37-2, Tulsa OK 74101

6/18/98

New Mexico Oil and Gas Conservation Commission P.O. Box 2088 State Land Office Building Santa Fe, NM 87504

Attention:

Michael Stogner

Chief Hearing Examiner/Engineer

Re:

Application for Non Standard Blanco-Mesaverde infil gas well location in an existing gas spacing and proration unit for the existing Rosa Unit #125 (API No. 30-039-25144), located 970' FNL and 1190' FEL (Unit B) of section 13, T31N, R6W, NMPM, Blanco-Mesaverde Pool, Rio Arriba County, NM.

Dear Mr. Stogner,

As per our telephone conversation Monday, June 15, 1998, I am sending the information you requested; C-102, unit boundary map, approved Sundry Notice, and the Administrative Application Cover Sheet.

Williams Exploration and Production Company is requesting administrative approval to produce this well which is located in a non standard location.

Williams would like to utilized this existing wellbore to develop Mesaverde reserves and minimize surface impacts.

The offset acreage lies within the boundaries of the Rosa Unit. As Unit operator Williams does not oppose the non standard location.

Thank you again or your help. My number is (918) 561-6250.

Sincerely,

Sterg Katirgis

Senior Engineer

JUN 2 5 1998

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|----------------------------------|--|--|---|
| In Lieu o Form 31 (June 19 | of UNITED | O STATES OF THE INTERIOR ND MANAGEMENT | FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993 |
| | SUNDRY NOTICES AN | TO REPORTS ON WELLS RECEIVED o deepen or reentry to a different reservoir!! Use | 5. Lease Designation and Serial No. SF-078767 |
| | CATION FOR PERMIT* for such proposals | | 6. If Indian, Allottee or Tribe Name |
| | SUBMIT IN | TRIPLICATE | 7. If Unit or CA, Agreement Designation ROSA UNIT |
| 1. | Type of Well ☐ Oil Well ☐ Gas Well | 070 FARMMATON, NW | 8. Well Name and No. ROSA UNIT #125 |
| 2. | Name of Operator WILLIAMS PRODUCTION COMPANY | | 9. API Well No. 30-039-25144 |
| 3. | Address and Telephone No. PO BOX 3102-MS 37-4, TULSA, OK 7410 | 1 (918) 588-4592 | 10. Field and Pool, or Exploratory Area BASIN DAKOTA-71599 |
| 4. | Location of Well (Footage, Sec., T., R., M 970' FNL & 1190' FEL, NW/4 NE/4 SEC | | 11. County or Parish, State RIO ARRIBA, NM |
| - | CHECK APPROPRIAT | E BOX(s) TO INDICATE NATURE OF NOTICE, REPO | ORT, OR OTHER DATA |
| | TYPE OF SUBMISSION | | ACTION |
| | | | |
| | ■ Notice of Intent | □ Abandonment ■ Recompletion | ☐ Change of Plans ☐ New Construction |
| | ☐ Subsequent Report | ☐ Plügging Back☐ Casing Repair | □ Non-Routine Fracturing□ Water Shut-Off |
| | ☐ Final Abandonment | □ Altering Casing | ☐ Conversion to Injection |
| | | Other | ☐ Dispose Water (Note: Report results of multiple completion |
| | | | on Well Completion or Recompletion Report |
| | | | and Log form.) |
| 13. | | Clearly state all pertinent details, and give pertinent dates, se locations and measured and true vertical depths for all m | |
| | ns Production Company proposes to lon as per the attached procedure. | P&A the existing non-productive Dakota intervi | al and recomplete this well to the Mesaverde |
| | Box of the state o | DEGELVEN | EGENTED |
| | <u>11</u> | JUN 2 5 1998 | MAR 2 8 1957 D |
| | | (9) | IL COM. DIV. |
| | ! | OIL CONSERVATION DIVISION | 0007, 3 |
| | | And the state of t | |
| 14. | I hereby certify that the foregoing is true and | correct | |
| | Signed Liver Judge Susan GRIGUHN | Title CLERK | Date January 28, 1997 |
| | (This space for Federal or State office use) | | |
| | Approved by | Title | D44D 2 / 100~ |
| | | | |
| | Conditions of approval, if any: | | |
| | | | |

*See Instruction 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.

P.O. Box 1980, Hobb

DISTRICT I

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised 1-1-89

OIL CONSERVATION DIVISION

Santa Fe. New Mexico 87504-2088

RECEIVED

97 JAN 30 PH 12: 11

DISTRICT II P.O. Drawer DD, Artexia, NM 88210 JUN 2 5 1998

WELL LOCATION AND ACREAGE DEDICATION PLATO FARMINGTON, NM All Distances must be from the outer boundaries of the section 070 FARMINGTON, NM DISTRICT III

| Operator | ODUCTION COMPANY | Lease | ROSA UNIT | Well No. #125 |
|----------------------------|-------------------------------|----------------------|------------------------|--------------------------------|
| Unit Letter B | Section 13 | Township 31 North | Range 6 West | County RIO ARRIBA |
| Actual Footage Location of | | RTH line and | 1190 feet from the EAS | ST line |
| Ground level Elev | Producing Formation Mesaverde | Pool | Blanco | Dedication Acreage: 223.28 E/2 |

- 1. Outline the acreage dedicated to the subject well by colored pencil of hachure marks on the plat below.
- 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royality).
- 3. If more than one lease if different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-polling, ect? ☐ Yes □No If answer is "yes" type of consolidation

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary).

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interest, hjas been approved by the Division.

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| | OPERATOR CERTIFICATION |
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| Comp | |
| MIL | LIAMS PRODUCTION CO. |
| Date | |
| Janu | ary 25, 1997 |
| | |
| | SURVEYOR CERTIFICATION |
| 1 hon | thy certify that the well location shown on this |
| | was plotted from field notes of actual surveys |
| | by me or under my supervision, and that the |
| | is true and correct to the best of mmy |
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Submit to Appropriate
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State of New Mexico __nergy, Minerals and Natural Resources Depart ___.

Form C-197 Revised 1-1-17

RECEIVOL CONSERVATION DIVISION P.O. Box 2088

RECEIVED BLM

DISTRICTI P.O. Bus 1980, Hobbs, NM \$8240

DISTRICT II 97 JAN 30 PM 12: Sports Fe, New Mexico 87504-2088 91 OCT 15 PH 2:22

DISTRICT III 1000 RO BORGE RAL, ASSES NM BATO FARWELD COCATION AND ACREAGE DEDICATION PLAT 1000 TO N.M.M. All Distances must be from the outer boundaries of the section

| Operator | | | | LUK | | | | | Well No. |
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732N

STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION 2040 S. PACHECO SANTA FE, NEW MEXICO 87505 (505) 827-7131

March 23, 1995

Northwest Pipeline Corporation c/o Walsh Engineering & Production Corporation 7415 East Main Farmington, New Mexico 87402

Attention: Paul C. Thompson

Administrative Order NSP-1638-A

Dear Mr. Thompson:

Reference is made to your application dated March 9, 1995, on behalf of the operator, Northwest Pipeline Corporation, for a 223.28-acre non-standard gas proration unit consisting of the following acreage in the Blanco-Mesaverde Pool:

RIO ARRIBA COUNTY, NEW MEXICO TOWNSHIP 31 NORTH, RANGE 6 WEST, NMPM

Section 13: Lots 1 through 4 and the W/2 E/2 (E/2 equivalent)

It is my understanding that this unit is to be dedicated to your Rosa Unit Well No. 125-E to be drilled at a standard gas well location 1670 feet from the South line and 1035 feet from the East line (Unit J) of said Section 13.

STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING GOVERNOR October 24, 1991

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87504 (505) 827-5800

Amoco Production Company P.O. Box 800 Denver, Colorado 80201

Attention: J.W. Hawkins

Administrative Order NSP-1638(L)

Dear Mr. Hawkins:

Reference is made to your application dated September 20, 1991 for a 223.28-acre non-standard gas proration unit consisting of the following acreage in the Basin Dakota Pool:

RIO ARRIBA COUNTY, NEW MEXICO TOWNSHIP 31 NORTH, RANGE 6 WEST, NMPM

Section 13: Lots 1 through 4 and the W/2 E/2 (E/2 equivalent)

It is my understanding that this unit is to be dedicated to your Rosa Unit Well No. 125 to be drilled at an unorthodox gas well location 970 feet from the North line and 1190 feet from the East line (Unit B) of said Section 13.

By authority granted me under the provisions of Rules 2(a)4 and 2(c) of the Special Rules and Regulations for the Basin Dakota Pool as promulgated by Division Order No. R-8170, as amended, the above non-standard gas proration unit and unorthodox gas well location is hereby approved.

Sincerely,

William J. LeMay

Director

WJL/MES/jc

cc: Oil Conservation Division - Aztec U.S. BLM - Farmington

Administrative Order NSP-1638-A Northwest Pipeline Corporation March 23, 1995 Page 2_____

By authority granted me under the provisions of Rule 2(a)4 of the Special Rules and Regulations for the Blanco-Mesaverde Pool as promulgated by Division Order No. R-8170, as amended,, the above-described non-standard gas proration unit is hereby approved.

Sincerely,

William J. LeMay

Director

WJL/MES/kv

cc: Oil Conservation Division - Aztec

Bureau of Land Management - Farmington

File: NSP-1638(L) <

REMARKS: It is our understanding that this well is also to be completed in the Basin-Dakota Pool as an infill well to the existing Rosa Unit Well No. 125 (API No. 30-039-25144), which is currently completed on an existing non-standard gas spacing and proration unit comprising the same acreage as described above and approved by Division Administrative Order NSP-1638(L), dated October 24, 1991.

CORRECTION In Lieurof Form 3160-4 (July 1992)

UNITED STATES BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

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

(See other instructions/on SF-078767

5. LEASE DESIGNATION AND LEASE NO.

| 75000 PE | 81.800 | | | reve | erse side) | | |
|---------------------------------|---|--|---|------------------------------------|-----------------------------|---|---------------------------------------|
| - 110:1:2 | WELD GOUD DE | TION OR REC | OMPLETION REPO | ORT AND LOG | * | 6. IF INDIAN, ALLOTTEE O | R |
| b. TYPE | OF WELL: OIL WELL III OF COMPLETION: V WELL XI WORKOVER III | GAS WELLED DRY | OTHER | 2 ³ S | | 7. UNIT AGREEMENT NAM ROSA UNIT (| |
| | OF OPERATOR DUCTION COMPANY | | | | | 8. FARM OR LEASE NAME, ROSA UNIT | |
| 3. ADDRI | ESS AND TELEPHONE NO | | | au Hov | 2 () sees A | 9. API WELL NO. 30-039-2 | 5526 |
| 4. LOCAT | FSL & 1035' FEL | | ce with any State requirements)* | ONL 666 | | 10. FIELD AND POOL, OR V BASIN DAKO | |
| At Surf At top p At total | production interval reported b | elow | | DYE | | 11. SEC., T.,R.,M., OR BLOC SURVEY OR AREA NE/4 SE/4 SEC. 1 | |
| | | | | 14. PERMIT NO. | DATE ISSUED | 12. COUNTY OR PARISH RIO ARRIBA | 13. STATE N MEXICO |
| 15. DATE SPUDDED 06/18/95 | 16. DATE T.D. REACHED 06/28/95 | 17. DATE COMPLETED (READY TO PRODUC | | 18. ELEVATIONS (DI RT,GR,ETC.)* | C, RKB, | 19. ELEVATION CASINGHE | AD |
| 00/10/95 | 00/20/93 | | 7124173 | 0343 | GK | . 0343 | |
| 20. TOTAL DEPTH, 1 | MD & TVD 120' | 21. PLUG, BACK T.D., I | MD & TVD 8087' | 22. IF MULTCOMP., HOW MANY | 23. INTERVALS DRILLED BY | ROTARY TOOLS X | CABLE TOOLS |
| | TERVAL(S), OF THIS COM OTA 7916' TO 8069' | PLETION - TOP, BOTTOM | , NAME (MD AND TVD)* | | | 25. WAS DIRECTIONAL SUI YES | RVEY MADE |
| | AND OTHER LOGS RUN E: GR/CCL/CBL | OPEN HOLE: | IND/GR/CDL/CNL | | | 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 | 1 | OF CEMENT, CEMENTI | NG RECORD | AMOUNT PULLED |
| 10-3/4"H-40 | 32.75# | 339' | 13-3/4" | 215 SX | 266 cu.ft. | SURFACE | |
| 7-5/8"K-55 | 26.4# | ∲ 3615' | 9-7/8" | 860 SX | 1382 cu.ft. | SURFACE | |
| | | 29. LINER RECOR | D | | 30. | TUBING RECORD | |
| SIZE | TOP (MD) | воттом (МД) | SACKS CEMENT* | SCREEN (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
| 5-1/2"N-80 | | 8120' | 450 SX (617 cu.ft.) | | 1-1/2", 2.9# | 8082' | 6200' |
| 31. PERFORMATION | RECORD (Interval, size, an | d number) | | 32. | ACID, SHOT, FRACTU | RE, CEMENT SQUEEZE, ETC. | |
| Dakota 7916' - 8 | 069'- 7916' 22' 28' <i>6</i> | 54' 70' 76' 82' 88' 9 | 5', 8011', 35', 43', 49', | DEPTH INTI | ERVAL (MD) | AMOUNT AND KIND OF | MATERIAL USED |
| 55', 62' & 8069'. | Total of 16 holes. | 77,70 70,02,00,7 | 3,0011,33,43,43, | 7916' | 8069' | 103,480# 20/40 SAND | 583 BBLS OF 30# X-LINK GEL |
| | | | | | | | |
| 33. | | | PRODUCT | пом | | | l |
| DATE OF FIR | ST PRODUCTION | PRODU | CTION METHOD (Flowing, gas lift FLOWING | | pump) | WELL STATUS (PRODU SHUT I | |
| DATE OF TEST 10/11/95 | HOURS TESTED 3 HR. IP | CHOKE SIZE 3/4" | PROD'N FOR TEST PERIOD | OIL - BBL. | GAS - MCF 170 | WATER - BBL. 0 | GAS-OIL RATIO N/A |
| FLOW TUBING PRESS | CASING PRESSURE | | 24-HOUR RATE | OIL - BBL. | GAS - MCF | WATER - BBL. | OIL GRAVITY-API (CORR.) |
| 97# 34. DOF GAS (Sold, 1 | N/A used for fuel, vented, etc.): | IP FLOW | ING PRESSURES | 0 | 1356 | N/A TEST WITNESSED BY | l |
| TO BE SOLD | | | | | | CHIK CHARLEY | |
| 35. LIST OF ATTAC | HMENTS: LOGS, SUM | MARY OF POROUS ZON | ES, DEVIATION REPORT & WEL | LBORE DIAGRAM. | | | · · · · · · · · · · · · · · · · · · · |
| | | nformation is complete and | correct as determined from all availated TITLE SR PRO | ble records | DATE Novem | ber 15, 1995 | |

ROSA UNIT #125E

| 37. SUMMARY OF P | POROUS ZONES: (Show all importan ne tool open, flowing and shut-in pres | nt zones of porosity and contents thereof; sures, and recoveries); | 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 | воттом | DESCRIPTION, CONTENTS, ETC. | NAME | TOP | | |
| | | | | | NAME | MEASURED DEPTH | TRUE VERTICAL DEPTH |
| TOPS: | | | | | | | |
| OJO ALAMO | 2450' | 2553' | | | | | |
| KIRTLAND | 2553' | 2961' | | | | | |
| FRUITLAND | 2961' | 3204 | | | | | |
| PICTURED CLIFFS | 3204 | 3501. | | | | | |
| LEWIS | 3501' | 5410' | | | | | |
| CLIFF HOUSE | 5410' | 5460' | | | | | |
| MENEFEE | 5460 | 5677 | | | | | |
| POINT LOOKOUT | 5677 | 5914. | | | | | |
| MANCOS | 5914' | 7726' | | | | | |
| GREENHORN | 7726. | 7781' | | | | - | |
| GRANEROS | 7781. | 7894 | | | | | |
| DAKOTA | 7894 | N.A. | | | | | |
| TD | 8120' | | | | | | |
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CORRECTION In Lieu of Form 3160-4 (July 1992)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

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

(See other instructions on reverse side)

5. LEASE DESIGNATION AND LEASE NO. SF-078767

reverse side) 6. IF INDIAN, ALLOTTEE OR WELL COMPLETION OR RECOMPLETION REPORT AND LOG* TYPE OF WELL: OIL WELL GAS WELLED OTHER 7. UNIT AGREEMENT NAME 12 ROSA UNIT (00017033) TYPE OF COMPLETION: NEW WELL © WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF.RESVR. ☐ OTHER 8.FARM OR LEASE NAME, WELL NO. 2. NAME OF OPERATOR **ROSA UNIT #125E** WILLIAMS PRODUCTION COMPANY ADDRESS AND TELEPHONE NO. 9. API WELL NO. 30-039-25526 P.O. BOX 3102 MS 37-3 TULSA, OK 74101 (918) 561-6678 10. FIELD AND POOL, OR WILDCAT LOCATION OF WELL (Report location clearly and in accordance with any State requirements) **BLANCO MESAVERDE 72319** 1670' FSL & 1035' FEL At Surface 11. SEC., T.,R.,M., OR BLOCK AND At top production interval reported below SURVEY OR AREA At total depth: NE/4 SE/4 SEC. 13, T31N R6W 14 PERMIT DATE ISSUED 12. COUNTY OR 13. STATE PARISH NO. RIO ARRIBA N MEXICO 17. DATE COMPLETED 18. ELEVATIONS (DK, RKB, RT,GR,ETC.)* 19. ELEVATION CASINGHEAD 15. DATE 16. DATE T.D. 6345' GR SPUDDED REACHED (READY TO PRODUCE) 06/18/95 06/28/95 09/22/95 6345 20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF 23. INTERVALS **ROTARY TOOLS** CABLE TOOLS MULTCOMP. DRILLED BY 2027 81201 HOW MANY 25. WAS DIRECTIONAL SURVEY MADE 24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* **BLANCO MESAVERDE** 5425' TO 6096' 27. WAS WELL CORED 26. TYPE ELECTRIC AND OTHER LOGS RUN NO OPEN HOLE: IND/GR/CDL/CNL CASED HOLE: GR/CCL/CBL CASING REPORT (Report all strings set in well) 28 DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD CASING WEIGHT, LB/FT. AMOUNT PULLED SIZE/GRADE 10-3/4"H-40 32.75# 339 13-3/4" 215 SX 266 cu.ft. SURFACE 9-7/8" 7-5/8"K-55 26.4# 3615' 860 SX 1382 cu.ft. SURFACE 29. LINER RECORD TUBING RECORD 30 SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT® SCREEN (MD) SIZE DEPTH SET (MD) PACKER SET (MD) 450 SX (617 cu.ft.) 1-1/4", 2.33# 5-1/2"N-80 8120' 6046 6200 31. PERFORMATION RECORD (Interval, size, and number) 32 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC Point Lookout: 5687, 93', 96', 5701', 04', 07', 13', 22', 27', 30', 33', 39, 54', 65', 69', 85', DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 5803' 27', 33', 42', 78', 5907', 11', 31', 35', 52', 85', 6010', 59', 94', & 6096'. Total of 31 holes. 54251 5673 85,000# 20/40 701 BBLS OF SAND LINEAR GEL Menefee/ Cliffhouse: 5425', 27', 29', 30', 64', 81', 83', 87', 93', 95', 97', 99', 5502', 21', 34', 45', 61', 73', 75', 77', 99', 5607', 11', 13', 49', 58', 71', & 5673'. Total of 28 (0.32") holes. 5687 6096 106,000# 20/40 750 BBLS OF SAND LINEAR GEL PRODUCTION 33. DATE OF FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) WELL STATUS (PRODUCING OR SHUT IN) SHUT IN PROD'N FOR TEST OIL - BBL. DATE OF TEST HOURS TESTED CHOKE SIZE GAS - MCF WATER - BBL. GAS-OIL RATIO PERIOD---123 10/11/95 0 N/A 3 HR. IP 3/4" FLOW TUBING CALCULATED 24-HOUR RATE----OIL - BBL. GAS - MCF WATER - BBL. OIL GRAVITY-API CASING PRESSURE (CORR.) PRESS IP FLOWING PRESSURES 0 1393 99# 964# N/A

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

LOGS, SUMMARY OF POROUS ZONES, DEVIATION REPORT & WELLBORE DIAGRAM.

SIGNED ROBING FLHATTAN BOL MA OHOUS

34. DOF GAS (Sold, used for fuel, vented, etc.):

TO BE SOLD

35, LIST OF ATTACHMENTS:

TEST WITNESSED BY CHIK CHARLEY

| | | | ROSA UNIT #125E | | | | |
|--|--|--|---|--------------|------------------|-------------------|-----------------------|
| 37. SUMMARY OF P cushion used, time | POROUS ZONES: (Show all imported to tool open, flowing and shut-in press | nt zones of porosity and contents thereo ısures, and recoveries): | 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); | ltested, 38. | GEOLOGIC MARKERS | | |
| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. | NAME | TOP | a | |
| | | | | | NAME | MEASURED DEPTH | TRUE * VERTICAL DEPTH |
| TOPS: | | | | | | | |
| OJO ALAMO | 2450' | 2553' | | | | | |
| KIRTLAND | 2553' | 2961' | | | | | |
| FRUITLAND | 2961' | 3204 | | | | | |
| PICTURED CLIFFS | 3204 | 3501 | | | | | · |
| LEWIS | 3501' | 5410 | | | | | |
| CLIFF HOUSE | 5410' | 5460' | | | | _ | |
| MENEFEE | 5460' | 5677 | | | | | |
| POINT LOOKOUT | 5677 | 5914 | | | | | |
| MANCOS | 5914' | 7726. | | | | | |
| GREENHORN | 7726' | 7781. | | | | | |
| GRANEROS | 7781 | 7894 | | | | | |
| DAKOTA | 7894' | N.A. | | | | | |
| TD | 8120' | | | | | | <u> </u> |
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District I

PO Box 1980, Hobbs, NM 88241-1980 District II

PO Drawer DD, Artesia, NM 88211-0719

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

CONKECTION

Form C-104 Revised February 21, 1994

This provides Instructions on back

OIL CONSERVE Submit to Appropriate District Office

5 Copies

95 NO 20 PTO 8 AMENDED REPORT

| [. | | REQUE | EST FO | R ALLC | WABLE A | ND | <u>AUTHORIZ</u> | ATION ' | TO TR | ANSPORT | | | |
|--------------------------------------|--------------------------------|--------------------------|-------------------------|------------------------------------|---|----------|---------------------------|---------------------------|--|------------------------|-------------------------------|--------------------------|--|
| | | | | ' Operator na | me and Address | | | | | | | RID Numbe 120782 | er. |
| | | | | | RODUCTION STREET | | COMPANY | | | | | for Filing (| Code |
| | | | | | 74101 (918) | | -6678 | | | | | NW | |
| | API Num | | | | 124 () | | ⁵ Pool Name | | | | | | 4 Pool Code |
| | 30-039-255 Property C | | <u>.</u> | | | | BASIN DAKO | | | <u></u> . | - | • | Well Number |
| 10 C | fo oo | Topotio | | | | | ROSA UNIT | · | | | | | #125E |
| Ul or lot no. | Section Section | Locatio | | Range | Lot.Idn | Feet | from the | North/South | Line | Feet from the | East/We | st line | County |
| 1 | 13 | | 31N | 6W | ļ. | | 1670' | sou | тн | 1035' | E. | AST | RIO ARRIBA |
| 11 B | ottom | Hole La | ocation | | | | | l | | | | | |
| UL or lot no. | Section | Town | | Range | Lot Idn | Feet | t from the | North/South | h line | Feet from the | East/We | st line | County |
| 12 Lse Code | | ^D Producing | Method Cod | de ¹⁴ Gaz | s Connection Date | | ¹⁵ C-129 Permi | t Number | | " C-129 Effective Da | te | 17 | C-129 Expiration Date |
| III. Oil and | | Transpo | | | | | | | | | | | |
| " Transporter O | GRID | | 19 - | Transporter Na and Address | | | " POI | , | 11 O/G | | | JLSTR Loc Description | |
| 9018 | | GIANT REF | INING | | | | 28163 | 4 2 | 0 | | J 3 | 3 31N 5W | |
| | | P.O. BOX 12 SCOTTSDAL | | 267 | | | | | | | | | |
| 025244 | | WILLIAMS | - | | <u> </u> | • | 8163 | 4 7 | . G | | | | |
| | | ATTN: GLÉ | | ON | | .4 | 43143 | 4] | | | 2 ⁸⁸¹ 5 2281, a | | |
| | | PO BOX 589 | 00 2M? | | | | | | | | int. | American Consultant | |
| | | | | | | | | | | | | MAN | 1 / 133 |
| | | | | | | | | | | | | 10 V 0 | |
| IV. Produce | ed Wa | ter | | | | | M non l | ·, | | | <u> 169</u> | | |
| 281 | 6 3 | 44 | | | | | " POD | ULSTR Locati | on and Des | cription | · | <u> </u> | |
| V. Well Co | | on Data | | | | | | ——— | | | - 1 | | |
| ** Sp 6/ | oud Date 18/95 | | | ¹⁴ Ready Dat 9/22/95 | te | | ¹⁷ TD 8120' | | | ** PBTD 8087' | | | ²⁹ Perforations 7916' TO 8069' |
| | ³⁴ Hole S 13-3/4 | | | | ³¹ Casing & Tubing 10-3/4" 32.75# H | | | 31 | Depth Set | | | | cks Cement (3874 CU.FT.) |
| | 9-7/8" | | | | 7-5/8" 26.4# K- | | | | 3615' | | | | 1554' CU.FT.) |
| | 6-3/4' | | | | 5-1/2" 17# N-80 1-1/2" 2.9# J-55 | | | | 8120' 8062' | | · · · · · · | 450 SX | (591' CU.FT.) N/A |
| VI. Well Te | est Dat | ta | | | | | | | | | | | |
| [™] Date N | | | ¹⁸ Gas Deliv | very Date | | est Date | | " Test Leng | - | ²⁴ Tbg. Pro | | | " Csg. Pressure N/A |
| | | | | | | | | | <u>. </u> | | | \bot | |
| 4 Choke 3/4 | | | 41 O |)il | • | Water | | ⁴⁰ Gas 1356 | | 4 AO | | | d Test Method IP TEST |
| " I bereby certify information given | | | | | ve been complied wi vledge and belief. | ith and | that the | | OJL (| ONSERVATI | ON D | IVISIO | ON |
| Signature: | if ! | Mc El | hatt | 2 | | | Approved | by: | <u> </u> |) (| | | |
| Printed name: BO | DB MC EL | HATTAN | | | | | Title: | 36 | PERM | 8.09 / / vii | V d 3 | | |
| Title: SR. PRODU | UCTION A | NALYST | | | | | Approval | Date: | N) | | | | |
| Date: November 9 | , 1995 | | | Phone: (918) | 561-6678 | | | | | | | | |
| ⁴⁷ If this is a chan | ige of opera | ator fill in the | : OGRID nu | mber and name | ne of the previous o | - | HWEST PIPELINE | COMPANY | _ | | | | |
| | Pre | vious Operato | or Signature | , | | | Print | ted Name | · · | | Т | itle | Date |

District I

PO Box 1980, Hobbs, NM 88241-1980

District II

PO Drawer DD, Artesia, NM 88211-0719

District III

1000 Rio Brazos Rd., Aztec, NM 87410

District IV

PO Box 2088, Santa Fe. NM 87504-2088

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

Form C-104 Revised February 21, 1994

OIL CONSESSIBILITY to Appropriate District Office

35 NO 20 DI AMENDED REPORT

CORRECTION

| ۲. | , | REOU | EST F | OR ALL | OWABLE A | ND | ΑĮ | ITH(| ORIZ/ | ATION | TO TR | ANSPORT | | | |
|--|----------------------------|-------------------------------|-----------------------------|-----------------------------------|--|--------------------|---------|-------------------|---------------------|---------------------------|---------------------------------------|----------------------------------|---------------------|-------------------------|--|
| | | TO CO | | ' Operator na | ame and Address PRODUCTION | _ | | | | IIIO | | THINK CALL | | ID Numbe 20782 | it" |
| | | | | | 3102 MS 37 | | •- | /1+aa . | 1111 | | | | ³ Reason f | for Filing (| Code |
| | | | | | 74101 (918) | | 1-60 | 678 | | | | | | NW | 1 |
| 4. API Nunt | ber | | | | | , | | | ol Name | | | | | , | * Pool Code |
| 30-039-25526 | | | | | | | BLA | NCO M | ESAVERI | DE | | | | | 72319 |
| | - | 1232 | | | | | | • | erty Name A UNIT | ! | | ··· | | . • , | Well Number #125E |
| II. 10 S | | Location | | | | - | | | | | · · · · · · · · · · · · · · · · · · · | | | | , |
| Ul or lot no. J | Section 13 | 1 | nship 31N | Range 6W | Lot.Idn | Fee | et from | ns the 1670' | | North/Sout | b Line UTH | Feet from the 1035' | East/Wes | st line AST | County RIO ARRIBA |
| 11 B | ottom | Hole L | ocation | n | | | | | | | | | | | |
| UL or lot no. | Section | | vnship | Range | Lot Idn | Fe | eet fro | un the | | North/Sout | th line | Feet from the | East/Wes | t line | County |
| ¹² Lse Code | | ¹³ Producing | g Method C | Code " Ga | as Connection Date | | | ^в С-12 | 29 Permit | Number | | ¹⁶ C-129 Effective Da | ate | 17 (| C-129 Expiration Date |
| III. Oil and | r | <u> Franspo</u> | | | <u></u> | | | | 7700 | | " 0.10 | | " con I | | |
| ¹² Transporter O | | | | Transporter N and Address | | | \bot | | * POD | | ²¹ O/G | | | LSTR Loc Description | |
| 9018 | | GIANT REF | /INING | | | | 4 | 51 | 63 | 39 | 0 | | J 33 | 3 31N 5W | |
| | | P.O. BOX 1 SCOTTSDA | | 5267 | | | | | | | | | | | |
| 025244 | | WILLIAMS | FIELD SE | ERVICES | | | 7 | 0 1 | f 3 | A N | G | | | | |
| | | ATTN: GLI PO BOX 589 | | TON | | | | | | | | | | 100 : | |
| IV. Produc | ed Wa | ter | | | | | Ree | <u> </u> | <u> </u> | | | | | | |
| | POP 3 | | | | | | | | ²⁴ POD U | LSTR Locat | tion and Desc | cription | ين بدا در د ميدو | | |
| V. Well Co | | | a | | | | | | | | | | | | |
| | oud Date /20/95 | | | ²⁴ Ready Da 9/07/95 | ate | | | #7 - 82 | TD 35' | | | ²⁸ PBTD 8214' | | | ²⁹ Perforations 5425' TO 6069' |
| | 30 Hole S | | | | 31 Casing & Tubing | | | | | | ³² Depth Set | | | | cks Cement |
| | 13-3/4 9-7/8' | | | | 10-3/4" 32.75# H- 7-5/8" 26.4# K- | | | | <u>-</u> - | | 339' 3615' | | | | (266 CU.FT.) (1382' CU.FT.) |
| | 6-3/4 | | | | 5-1/2" 17# N-80 | 30 | | | | | 8120' | | | 450 SX | (617 CU.FT.) |
| VI. Well Te | ant Doi | | | <u></u> | 1-1/4" 2.33# J-5 | 55 | | | <u> </u> | | 6046' | | | | N/A |
| VI. VVEII 16 | | <u>[a</u> | ³⁸ Gas D | Delivery Date | I | Геst Da 0-11-95 | | , | | " Test Les 3 HOUR | - | 30 Tbg. Pt | | | " Csg. Pressure 1076 |
| | | | | | | | | | 7 | | | | | | |
| 44 Choke 3/4 | | | | " Oil | | Water | | | | ⁴³ Gas 1393 | | 474 | | | Test Method IP TEST |
| "I hereby certify information given Signature: | that the ru above is to | ules of the Oi rue and com | il Conserva plete to the | tion Division has best of my know | ave been complied wi wledge and belief. | ith an | d that | - 11 | approved l | by: | OIL C | ONSERVAT | ION D | IVISIC | ON |
| Printed name: BO | B MC EL | HATTAN | | | | | | Т | Title: | SUP | ERVIS | | ## (49) | | |
| Title: SR. PRODU | JCTION A | NALYST | | | | | | | Approval D |)ate: | MIN | 1 4 199 | Ĵ | | |
| Date: November 9 | , 1995 | | | Phone: (918 | i) 561-6678 | _ | | <u>_L</u> | | | | | | | |
| 47 If this is a chan | ge of opera | ator fill in th | e OGRID | number and nam | me of the previous op | | | EST PIF | PELINE C | OMPANY | | | | | |
| | Pre | vious Operat | tor Signate | аге | | | | | Printe | d Name | | | Т | itle | Date |

Form 31604 ERV ON DEPARTMENT OF DEPARTMENT OF THE INTERIOR RECE. VED (July 1992)

SUBMIT IN DUPLICATE

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

5. LEASE DESIGNATION AND LEASE NO. SF-078767

MA

BUREAU OF LAND MANAGEMENT (See other instructions on reverse side) DRY DOTHER 1 2: 2

6. IF INDIAN, ALLOTTEE OR WELL COMPLETION OR RECOMPLETION REPORT AND LOG * la. TYPE OF WELL: OIL WELL II GAS WELL XI 7. UNIT AGREEMENT NAME ROSA UNIT (00017033) TYPE OF COMPLETION: ь NEW WELLE WORKOVER @ DEEPEN @ PLUG BACK @ DIFF.RESVR. @ OTHER 8.FARM OR LEASE NAME, WELL NO. 2. NAME OF OPERATOR UIU II a.. That Unit 18 **ROSA UNIT #125E** WILLIAMS PRODUCTION COMPANY 3. ADDRESS AND TELEPHONE NO. 9. API WELL NO. į ij30-045-25526 P.O. BOX 3102 MS 37-3 TULSA, OK 74101 (918) 561-6678 LOCATION OF WELL (Report location clearly and in accordance with any State requirements) 10. FIELD AND POOL, OR WILDCAT 4. **BLANCO MESAVERDE 72319** 1670' FSL & 1035' FEL At Surface ON CON. DIV At top produ ction interval reported belo 11. SEC., T.,R.,M., OR BLOCK AND At total depth: SURVEY OR AREA NE/4 SE/4 SEC. 13, T31N R6W 12. COUNTY OR 14. PERMIT DATE ISSUED 13. STATE PARISH RIO ARRIBA N MEXICO 15 DATE 17. DATE COMPLETED 19. ELEVATION CASINGHEAD 16. DATE T.D. 18. ELEVATIONS (DK, RKB, SPUDDED (READY TO PRODUCE) REACHED RT,GR,ETC.)* 06/28/95 06/18/95 09/22/95 6345' GR 6345 20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD CABLE TOOLS 22. IF 23. INTERVALS **ROTARY TOOLS** MULTCOMP., DRILLED BY HOW MANY 8120 24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE **BLANCO MESAVERDE** 5425' TO 6096' 26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED CASED HOLE: GR/CCL/CBL OPEN HOLE: IND/GR/CDL/CNL NO

| 28. | | | CASING REPORT (Report | all strings set in well) | | <u></u> | |
|----------------------|-------------------------------|----------------------------|-----------------------------|--------------------------|--------------------|--------------------------|--|
| CASING SIZE/GRADE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | TOP | OF CEMENT, CEMENT | ING RECORD | AMOUNT PULLED |
| 10-3/4"H-40 | 32.75# | 339' | 13-3/4" | 215 SX | 266 cu.ft. | SURFACE | |
| 7-5/8"K-55 | 26.4# | 3615' | 9-7/8" | 860 SX | 1382 cu.ft. | SURFACE | |
| | | 29. LINER RECOR | 0 | | 30. 1554 | TUBING RECORD | |
| SIZE | TOP (MD) | воттом (мр) | SACKS CEMENT | SCREEN (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
| 5-1/2"N-80 | 17# | 8120' | 450 SX (617 cu.ft.) | | 1-1/4", 2.33# | 6046' | 6200' |
| 31. PERFORMATION | N RECORD (Interval, size, and | d number) | | 32. | ACID, SHOT, FRACTU | IRE, CEMENT SQUEEZE, ETC | <u>. </u> |
| Point Lookout:5 | 687, 93', 96', 5701', 04 | l', 07', 13', 22', 27', 30 |)', 33', 39, 54', 65', 69', | DEPTH INTI | ERVAL (MD) | AMOUNT AND KIND (| OF MATERIAL USED |

85', 5803' 27', 33', 42', 78', 5907', 11', 31', 35', 52', 85', 6010', 59', 94', & 6096'. Total of 31 holes. 5425' 5673' 85,000# 20/40 701 BBLS OF SAND LINEAR GEL Menefee/ Cliffhouse: 5425', 27', 29', 30', 64', 81', 83', 87', 93', 95', 97', 99', 5502', 21', 34', 45', 61', 73', 75', 77', 99', 5607', 11', 13', 49', 58', 71', & 5673'. Total

| of 28 (0.32") ho | les. | | ×. | 5687' | 6096' | 106,000# 20/40 SAND | 750 BBLS OF LINEAR GEL |
|--------------------------|-----------------------|--------------------|--|------------|------------------|----------------------------|---------------------------|
| 33. | | | PRODUC | пои | | | ···· |
| DATE OF FIR | ST PRODUCTION | PRODUC | CTION METHOD (Flowing, gas lift FLOWING | | f pump) | WELL STATUS (PRODE SHUT | |
| DATE OF TEST 10/11/95 | HOURS TESTED 3 HR. IP | CHOKE SIZE 3/4" | PROD'N FOR TEST PERIOD | OIL - BBL. | GAS - MCF 123 | WATER - BBL. | GAS-OIL RATIO N/A |

34. DOF GAS (Sold, used for fuel, vented, etc.):

CASING PRESSURE

964#

FLOW TUBING

PRESS

99#

TO BE SOLD

MOCD MACCO

TEST WITNESSED BY

AS-MCF WATER BBOR R

GAS - MCF

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

SIGNED BOB MC ELHATTAN

CALCULATED 24-HOUR RATE--

IP FLOWING PRESSURES

TITLE SR PRODUCTION ANALYST

OIL - BBL

O

FARMINGTON DISTRICT OFFICE DATE October 24, 1995

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| 3 | 1 |
| KCS | 1 |
| - | |

| 37. SUMMARY OF P | POROUS ZONES: (Show all imports ne tool open, flowing and shut-in pre- | nt zones of poroxity and contents thereof, sures, and recoveries): | SUMMARY OF POROUS ZONES: (Show all important zones of poroxity and contents thereof; cored intervals, and all drill-stem, lests, including depth interval tested, time tool open, flowing and shut-in pressures, and recoveries): | 38, | GEOLOGIC MARKERS | | |
|------------------|---|---|---|------|------------------|-------------------|------------------------------------|
| PORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. | NAME | TOP | | |
| , | | | | | NAME | MEASURED DEPTH | ÍRUE VERTICAL DEPTH |
| TOPS: | | | | | | | |
| OJO ALAMO | 2450 | 2553+ | | | | | |
| KIRTLAND | 2553 | 2961' | | | | | • |
| FRUITLAND | 2961 | 3204 | | | | : | |
| PICTURED CLIFFS | 3204 | 3501' | | | | | |
| LEWIS | 3501' | 5410' | | | | | |
| CLIFF HOUSE | 5410' | 5460' | | · | | | |
| MENEFEE | 5,460 | 5677 | | | | | |
| POINT LOOKOUT | 5677 | 5914 | . 44 | | | | |
| MANCOS | 5914 | 7726 | _ | | | | |
| GREENHORN | 7726 | 7781. | | | | | See a |
| GRANEROS | 7781' | 7894 | | | | | .1 |
| DAKOTA | 7894 | N.A. | | | | | |
| τD | 8120 | | | | | | _ |
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| | | | | | | is | |
| | | | | | | | |

In Lieu of Form 3160-4 (July 1992)

UNITED STATES BUREAU OF LAND MANAGEMENT DEPARTMENT OF THE INTERIOR

RECEIVED

SUBMIT IN DUPLICATÉ

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

(See other instructions on

5. LEASE DESIGNATION AND LEASE NO. SF-078767

RIM reverse side) 6. IF INDIAN, ALLOTTEE OR WELL COMPLETION OR RECOMPLETION REPORT AND LOG! 7. UNIT AGREEMENT NAME TYPE OF WELL: OIL WELL II GAS WELL IN C OTHER la. DRY ROSA UNIT (00017033) TYPE OF COMPLETION: ъ. NEW WELL IDWORKOVER □ DEEPEN □ PLUG BACK □ DIFF.RESVR. □ OTHER 8.FARM OR LEASE NAME, WELL NO. , NAME OF OPERATOR **ROSA UNIT #125E** . 74 WILLIAMS PRODUCTION COMPANY 9. API WELL NO. 3. ADDRESS AND TELEPHONE NO. 30-045-25526 P.O. BOX 3102 MS 37-3 TULSA, OK 74101 (918) 561-6678 10. FIELD AND POOL, OR WILDCAT LOCATION OF WELL (Report location clearly and in accordance with any State requirements) **BASIN DAKOTA 71599** 1670' FSL & 1035' FEL At Surface At top production interval reported below 11. SEC., T., R., M., OR BLOCK AND At total depth: SURVEY OR AREA NE/4 SE/4 SEC. 13, T31N R6W 14 PERMIT DATE ISSUED 12. COUNTY OR IJ. STATE PARISH NO. RIO ARRIBA N MEXICO 15. DATE 16. DATE T.D. 17. DATE COMPLETED 18. ELEVATIONS (DK, RKB, 19. ELEVATION CASINGHEAD SPUDDED REACHED (READY TO PRODUCE) RT,GR,ETC.)* 06/18/95 06/28/95 09/22/95 6345' GR 6345" 20, TOTAL DEPTH, MD & TVD 21, PLUG, BACK T.D., MD & TVD 23. INTERVALS **CABLE TOOLS** 22. IF **ROTARY TOOLS** MULTCOMP. DRILLED BY HOW MANY 8120 8087 24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME. (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE YES **BASIN DAKOTA 7916' TO 8069'** 26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED OPEN HOLE: IND/GR/CDL/CNL CASED HOLE: GR/CCL/CBL NO 23 CASING REPORT (Report all strings set in well) CASING WEIGHT, LB/FT. DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOUNT PULLED SIZE/GRADE 266 cu.ft. 10-3/4"H-40 32.75# 339 13-3/4" 215 SX SURFACE 7-5/8" K-55 26.4# 1382 cu.ft. SURFACE 3615' 9-7/8" 860 SX 1550 29. LINER RECORD 30. TUBING RECORD SIZE TOP (ND) DEPTH SET (MD) PACKER SET BOTTOM (MD) SACKS CEMENTS SCREEN (MD) SIZE (MD) 5-1/2"N-80 81201 450 SX (617 cu.ft.) 1-1/2", 2.9# 8082' 6200' 41 31. PERFORMATION RECORD (Interval, size, and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED Dakota: 7916' - 8069' 7916', 22', 28', 64', 70', 76', 82', 88', 95', 8011', 35', 43', 49', 55', 62' & 8069'. Total of 16 holes. 103,480# 20/40 583 BBLS OF 7916' 8069 SAND 30# X-LINK GEL 33. PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) DATE OF FIRST PRODUCTION WELL STATUS (PRODUCING OR SHUT IN) FLOWING SHUT IN DATE OF TEST HOURS TESTED CHOKE SIZE PROD'N FOR TEST GAS - MCF WATER - BBL GAS-OIL RATIO OIL - BBL PERIOD--10/11/95 N/A 0 170 3 HR. IP 3/4" FLOW TUBING CASING PRESSURE OIL GRAVITY-API CALCULATED 24-HOUR RATE----OIL - BBI GAS - MCF WATER - BBI. PRESS (CORR.) IP FLOWING PRESSURES 97# n 1356 RECORD N.A. ACCEPTEDED 34. DOF GAS (Sold, used for fuel, vented, etc.): NMOCD CHIX CHARLEY TO BE SOLD 1995 35. LIST OF ATTACHMENTS 01 LOGS. SUMMARY OF POROUS ZONES, DEVIATION REPORT & WELLBORE DIAGRAM.

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

ත්රේ

SIGNED BOB MC ELHATTAN

TITLE SR PRODUCTION ANALYST

DATE October FARMINGTON DISTRICT OFFICE

ROSA UNIT MILLE

| | | TRUE VERTICAL DEPTII | | | | | | | • | | - | | | | | | | | 34 ¹ 2 4 | , m | | | |
|--|-----------------------------|----------------------------|-------|-----------|----------|-------------|-----------------|-------|-------------|---------|---------------|--------|-----------|----------|--------|-------|------|------|---------------------|------------------------------|------|-----|-------------|
| | | MEASURED DEPTH | | | | | | | | | , | | <u>,</u> | | | | | Sag. | 3 | 12 1 1 1 1 1 1 1 2- | :::: | 3 3 | |
| GEOLOGIC MARKERS | TOP | NAME | | | | _ | | | | | | .,- | | | | | | | | | | | |
| ä | NAME | | | | | | | | | | | | • | | | | | | | | | | |
| SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, time tool open, flowing and shall-in pressures, and recoveries): | DESCRIPTION, CONTENTS, ETC. | | | | | | | | | | | | | | | | | | | | | | |
| Fronce of poroxity and contents thereof, con ures, and recoveries): | ВОТТОМ | | | 2553 | 2961' | 3204. | 3501' | 5410' | 5460' | 5677' | 5914 | 7726' | 7781. | 7894 | N.A. | | | | | | | | |
| MOUS ZONES: (Show all important tool open, flowing and shut-in press. | TOP | | | 2450' | 2553 | 2961 | 3204' | 3501 | 5410. | 5460' | 5677 | 5914' | 7726' | 7781' | 7894: | 8120' | | | | | | | |
| 57. SUMMARY OF PO | FORMA TION | | TOPS: | OJO ALAMO | KIRTLAND | FRUITLAND | PICTURED CLIFFS | LEWIS | CLIFF HOUSE | MENEFEE | POINT LOOKOUT | MANCOS | GREENHORN | GRANEROS | DAKOTA | σr | | | | | | | |

DISTRICT 1 P.O.Box 1980, Hobbs, NM 85241-1980 State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-107 Revised 4-1-91

DISTRICT II
P.G.Drawer DD, Artesia, NM 88211-0719

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT III

OIL CONSERVATION DIVISION OF DENSER . CHAIN DIVISION

P.O.Box 2088

Santa Fe, New Mexico 87504-2088

ER : - 1-UN DIVISION Bece ved

Filing Instructions

APPLICATION FOR MULTIPLE COMPLETION

| Operator | | | | | | • |
|-----------|-------|----|----|-----|----|------------|
| ROSA UNIT | #125E | 11 | 13 | 31N | 6W | RIO ARRIBA |

WILLIAMS PRODUCTION COMPANY P.O. BOX 3102 MS-37-3 TULSA, OK 74101

| Lease Well No |) | Unit Ltr. — Sec — Twp — Rge | County |
|---|------------------------------|-----------------------------|--------------------------|
| All applicants for multiple co | mpletion must complete Items | 1 and 2 below. | |
| The following facts are submitted: | Upper Zone | Immediate Zone | Lower Zone |
| a. Name of Pool and Formation | BLANCO MESAVERDE | | BASIN DAKOTA |
| b. Top and Bottom of Pay Section (Perforations) | 5425' - 6069' | | 7916' - 8069' |
| c: Type of Production (Oil or Gas) | GAS | | GAS |
| d: Method of Production (Flowing or Artificial Lift) | FLOWING | | FLOWING |
| e: Daily Production | 3 HR PITOT 1393 MCF/D | DEGEOVED OF SOME | 3 HR PITOT 1356 MCF/D |

2. The following must be attached:

a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.

DIST. 3

b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.

c. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.)

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

FILING INSTRUCTIONS:

- 1. <u>District Approval</u> —— See rule 112-A-B —— Submit 4 copies of Form C-107 with attachments to appropriate district office.
- 2. <u>Division Director Administrative Approval</u> —— See Rule 112-C —— Submit 2 copies of Form C-107 with attachments to Division office in Santa Fe and 2 copies of Form C-107 with attachments to appropriate district office.
- 3. Multiple completions not qualifying for District or Division Director approval may be set for hearing as outlined in Rule 112-A-E.

OFFSET OPERATORS ROSA UNIT #125E J-13-31N-6W

1. LEASE: ROSA UNIT

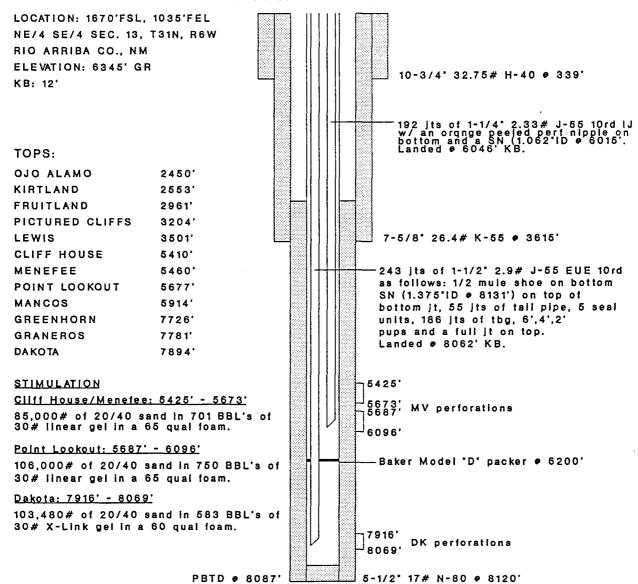
Operator: Williams Production Company, MS-37-3, P.O. Box 3102, TULSA, OK

74101



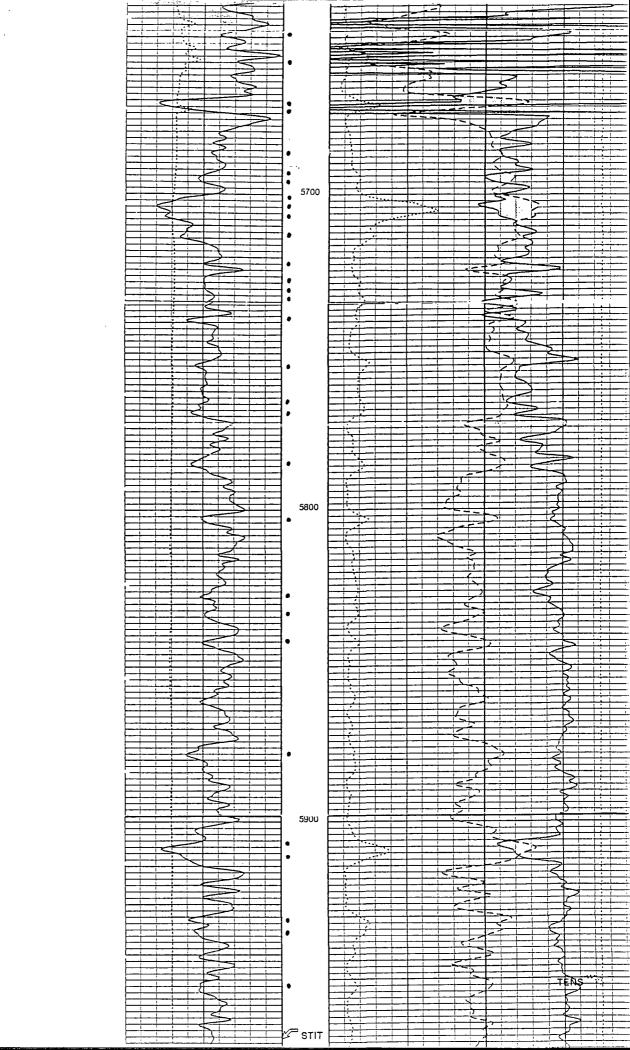
WELLBORE DIAGRAM

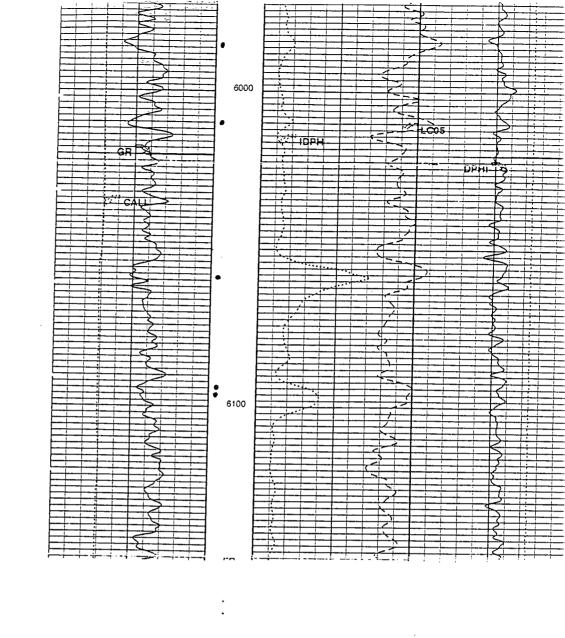
ROSA UNIT #125E MV/DK

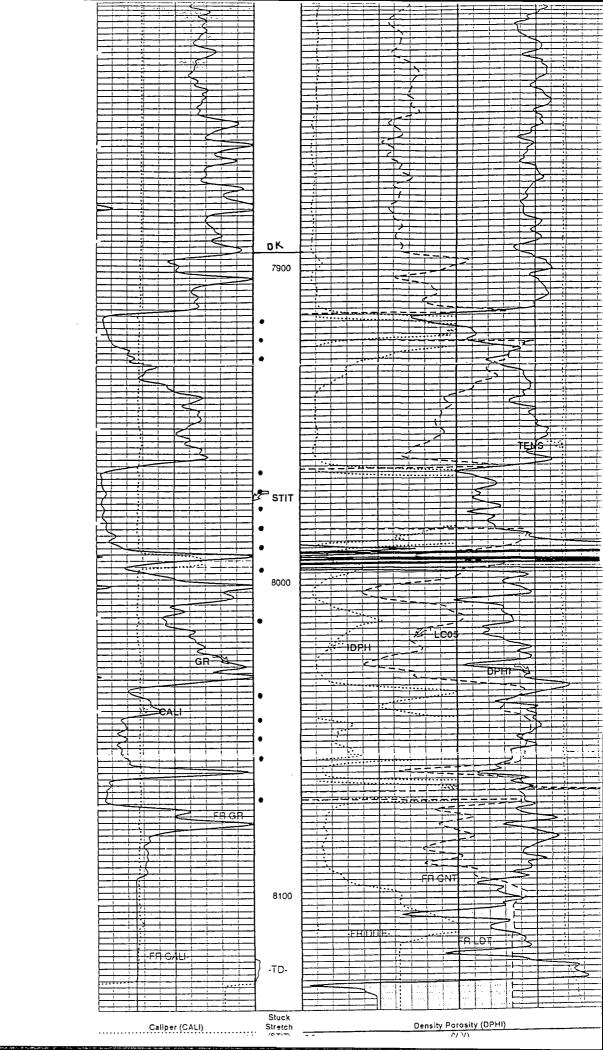


| | HOLE SIZE | CASING | CEMENT | VOLUME | TOP OF CMT |
|---|-----------|----------------|--------|-------------|----------------|
| 1 | 13-3/4" | 10-3/4" 32.75# | 215 SX | 266 CU.FT. | SURFACE |
| | 9-7/8" | 7-5/8" 26.4# | 860 SX | 1382 CU.FT. | SURFACE |
| 1 | 6-3/4" | 5-1/2" 17# | 450 SX | 617 CU.FT. | 3255' (survey) |
| | | | | | |

| والمفاطرة والمستورة والمستوانية | الأزار المستهدد في المراه في المراه في | |
|---|--|--|
| Rosa Unit No. 125E | | |
| Blanco MV / Basin D | X | |
| | | |
| FINAL | PENSATED NEUTRON- MATION DENSITY | |
| 1670' FSL & 1035' FEL | i | |
| | D.F. | |
| | : | |
| | i | |
| al No. | TOWNSHIP A | |
| 22-JUN-1995 | 27JUN-1995 | |
| | 8129 F | |
| | 8122 F | |
| 2500 F | 4900 F | 500 |
| 343 F | 3615 F | n n |
| 1 | 5 750 IN | M |
| | | |
| Flowline | | |
| 3.830 OHMM (ii) | | |
| Meas Meas | & 225 25 | |
| ures 110 DEGF 110 | 225 DEGF 225 | |
| me 22JUN-1995 | 27-JUN-1995 | |
| | Prezkop | |
| John Bircher | J. Bircher | |
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| Fig. 10 10 10 10 10 10 10 10 10 10 10 10 10 | ROSA Unit No. 12 Blanco MV / Bas Rio Arriba FINAL FINAL Schlumberger teror FSL & 1035 FEL Log Measured From: Kelly B Drilling Measured From: Kelly B API Serial No. NYA API Serial No. NYA ZZ JUN. 1995 DONE 3615 F ANC Gelichem Flowing Pagrature 3410 OHMM Genperature 3420 OHMM Genperature 100 DEGF Time ZZ JUN. 1995 100 DEGF Time ZZ JUN. 1995 Location 3020 Genthem 100 DEGF Time ZZ JUN. 1995 John Bircher College John Bircher | Unit No. 125E OMV / Easin DK Tiba STATE New Mexico INAL COMPENSATED NEUTRON- Deliger FORMATION DENSITY Datum: Rely Bushing 12.0 F above Pern. Datum 13.0 F above Pern. Datum 12.0 F above Pern. Datum 13.0 F above Pern. |







| | | | | / |
|--|---|---|--|---|
| In Lieu of Form 3160-5 (June 1990) | DEPARTMENT O | STATES F THE INTERIOR D MANAGEMENT | | FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993 |
| Do not use th | SUNDRY NOTICES AN | D REPORTS ON WELLS SECRETARY LD deepen or reentry to a different reservoir. Use (1) | 5. | Lease Designation and Serial No. SF 078767 |
| "APPLICATION, FOI | RERMIT—" for such proposals | 95 nnt ng law g: ga | 6. | If Indian, Allottee or Tribe Name |
| 195 Len | SUBMIT IN | TRIPLICATE | 7. | If Unit or CA, Agreement Designation ROSA UNIT |
| Type of W Oil Well | | 1 Other | 8. | Well Name and No. ROSA UNIT #125E |
| 2. Name of O WILLIAM | perator S PRODUCTION COMPANY | UU NOV - 3 1635 😃 | 9. | API Well No. 30-045-25526 |
| | d Telephone No. 102 MS 37-4, TULSA, OK 74101 | (918) 561-6678 (0) (7) (7) (7) | 10. | Field and Pool, or Exploratory Area BLANCO MV / BASIN DK |
| | f Well (Footage, Sec., T., R., M., E) 1670' FSL & 1035' FEL, SEC | | 11. | County or Parish, State RIO ARRIBA, NEW MEXICO |
| | CHECK APPROPRIAT | BOX(s) TO INDICATE NATURE OF NOTICE, REPO | RT, OR | OTHER DATA |
| TYPE | OF SUBMISSION | TYPE OI | ACTIO |)N |
| ☐ Notice of | of Intent | ☐ Abandonment ☐ Recompletion | | ☐ Change of Plans ☐ New Construction |
| 🛭 Subsequ | ent Report | ☐ Plugging Back | | ☐ Non-Routine Fracturing |
| 🛘 Final At | bandonment | ☐ Casing Repair☐ Altering Casing © COMPLETION OPERATIONS | | ☐ Water Shut-Off ☐ Conversion to Injection ☐ Dispose Water (Note: Report results of multiple comple on Well Completion or Recompletion Reand Log form.) |
| | | Clearly state all pertinent details, and give pertinent dates e locations and measured and true vertical depths for all n | | |
| across in 7988, 79 SG ball s Ottawa a Bbl's. V | terval to perfed. Perforate I 95, 8011, 8035, 8043, 8049, sealers. ATP=25 BPM @ 3 and 12,480 Super DC resin-covireline PBTD=8097' KB. | ement to FC @ 8087' KB RU BJ. PT csg to Dakota as follows w/ 3-1/8" csg gun (EHD=0.36' 8055, 8062, 8069. Total of 16 holes. Breakdov 400 psi. Good ball action w/ total ball-off at 6 ated sand. ATP=4300 psi, ATR=25 BPM. MT | r): 791 vn Dak 500 psi P=4800 | 6, 7922, 7928, 7964, 7970, 7976, 7 tota w/ 1000 gal of 15% HCl and 30 i. Foam frac Dakota w/ 91,000# 2 i) psi, MTR=28 BPM. Total fluid = |
| 5730', 57 6094', & | 33', 5739', 5754', 5765', 5769 6096'. Total of 31 holes. R | 3-1/8" casing gun (EHD=0.31")=5687', 5693', 5', 5785', 5803', 5827', 5833', 5842', 5878', 5907', un junk-basket and recovered 22 balls w/ 17 his resin coated sand @ 1 - 4 ppg in a 65 Q foam w | , 5911', ts. Stin | 5931', 5935', 5952', 5985', 6010', 69 nulated PLO w/ 94,000# 20/40 Ari |

MTP=2300 psi, MIR=44 BPM. ISIP=680 psi.

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 or Representations as to any matter within its jurisdiction.

ACCEPTED FOR RECORDS

NOV 01 1995

- 9-16-95 Perforated Menefee/ Cliffhouse at 5425', 5427', 5429', 5430', 5464', 5481', 5483', 5487', 5493', 5495', 5497', 5499', 5502', 5521', 5534', 5545', 5561', 5573', 5575', 5577', 5599', 5607', 5611', 5613', 5649', 5658', 5671', and 5673'. Total of 28 (0.32") holes. Dropped 42 balls in 1000 gal of 15% HCl. Good ball action and balled off to 6000#. Fraced well with a 7600 gal pad of 65% nitrogen foam, followed by 80,000# of 20/40 Arizona sand and 5,000# of 16/30 Super DC resin coated sand at 1 4 ppg all in a 65 quality foam. Job completed at 1600 hrs 9/15/95. ISIP = 820#. ATP = 2600#, AIR = 40 BPM, MTP = 5050#, MIR = 41 BPM. Total fluid = 701 bbls of 20# linear gel.
- 9-21-95 Set Baker Model "D" production packer at 6200'. Pitot test well at 3200 MCFD.
- 9-22-95 Run 1-1/2" DK production tubing as follows: 1/2 muleshoe, 1 jt. 1-1/2" tubing, seating nipple, 55 jts. of 1-1/2" tubing, seal assembly with 5 seal units, 186 jts. of 1-1/2" tubing, three tubing subs (6',4',3') and 1 jt of 1-1/2" tubing. Total of 243 jts. landed at 8062'KB. Rig up and run 1-1/4" tubing as follows: mud anchor, 6' perforated sub, 1 jt. of 1-1/4" tubing, seating nipple, and 191 jts. of 1-1/4" tubing. Total of 192 jts. landed at 6046'KB.

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

| Type 1 | est | 🛭 Initial | □ Anr | nual 🗆 | l Special | | RES | 7 750 | a -d | est Date | 10-11-95 | |
|-------------------|---|----------------------|-------------------------------------|--------------------------------|-------------------------|------------|----------------------|--------------|-----------------|---|---|-----------------------|
| Compa | | luction Compa | ny | | Connec | tion 3 | o NO · T | | 3 /2 | | | |
| Pool Basin | | | | · | Formati | on | ∴ Dakota | | - | Unit | Rosa Unit | |
| Comp | letion D | ate | Total Depth | | Plug Ba | ck TD | | Elevatio | n | | Farm or Lease | Name |
| Casing | g Size | | Weight | d | Set At | | Perforation From | is: | <u> </u> | | Well No. 125l | |
| Tubing | g Size | | Weight | d | Set at | ! | Perforation From | ıs: | o | | | Twp Rng 31N 6W |
| Type \ | Well - Si | ingle - Bradenh | nead - GG or GC | Multiple | Packer | Set At | <u>.</u> | · • | | County | X | |
| Produ | cing Th Tub | | Reservoir Ter | np. ∘F | Mean A | nnual Te | emp. ∘F | Barome | ter Pres | sure - P. | State New Me | exico |
| L | i | Н | Gq .6 | %CO₂ | · | %N₂ | | %H₂S | | Prover 3/4" | Meter Run | Taps |
| | | | FLOW DATA | | | | TUBI | NG DATA | | CASII | NG DATA | |
| NO. | Prove Line | | rifice ize | Pressure p.s.l.q. | Temper •F | | Pressure p.s.i.q. | Tempei •F | | Pressure p.s.i.q. | Temperature •F | Duration of |
| SI | | 2" X 3/4 | | | | | 1064 | | | | | 0 |
| 1 | | | | | | | 111 | 67 | • | | | 0.5 hr |
| 2 | | | | | | | 101 | 67 | • | | | 1.0 hr |
| _3 | | | | | | | 100 | 69 | • | ļ | | 1.5 hrs |
| 4. | | | | ··· | | | 99 | 69 | • | | | 2.0 hrs |
| 5. | <u></u> | | | | <u> </u> | | 97 | 69 | • | | | 3.0 hrs |
| | | | | F | ATE OF F | LOW CA | LCULATION | <u>s</u> | | | | |
| NO. | | Coefficie (24 Hou | | √h _w P _m | Press P _n | | Flow Te | | | Gravity Factor | Super Compress. | Rate of Flow |
| 1 | | 9.604 | | | 10 | 9 | .991 | 5 | | 1.29 | 1.013 | 1.356 |
| 2. | | | | | | | | | | | ļ | |
| 3. | | | | | | | | | | - | | |
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| NO. | | P, | Temp. • | R | T _r | | Z | 1 | | rocarbon Rai | | Mcf/bbl. |
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| 2 | | | | | | | | Ī - | | / Separator | | XXXXXX |
| 3. | | | | | | | | - | = | Flowing Fluid | | |
| 5. | <u> </u> | | | | | • | | Critical | | re | p.s.i.a. R | <u>p.</u> s.i.a. R |
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| NO_ | | 11 | T | " | | | <u>*</u> | (1) <u>P</u> | - P_2 | <u>1.0104</u> (2 | $\frac{\left[P_c^2 - P_w^2\right]}{\left[P_c^2 - P_w^2\right]}$ | 1.0078 |
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| 4 | | | | | | | - | 1 | P°2 - | P _w ²] | | |
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| Rema | | | | | | | | | | | | |
| | | Commission: | | Conducted B | y: | E** | Calculated | By: Susan | Griguhr | 50 | Checked By: | |

NEW MEXICO OIL CONSERVATION COMMISSION MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

| Type | Test | | | | | | RECE | | | Test Date | | |
|----------------|--|----------------------|-------------------------------------|--------------------------------|--|---------------------------------|----------------------|--|-----------------------------|-------------------------------|---|-----------------|
| | | ⊠ Initial | | nnual 🗆 | Special | | 10:2 | en a | 52 | | 10-11-95 | _ |
| Comp Willia | | duction Compa | any | | Connec | tiong5 | MO: 1 | 1:11 | | Ĺ | <u></u> | |
| Pool Blanc | 0 | | | | Formati | on | Mesaverde | ************************************** | | Unit | Rosa Unit | |
| Comp | letion C | ate | Total Depth | | Plug Ba | ick TD | . <u>.</u> | Elevation | n | | Farm or Lease | Name |
| Casin | g Size | | Weight | d | Set At | | Perforation From | ns: To | , | | Well No. 125 | E . |
| Tubin | g Size | | Weight | d | Set at | | Perforation From | ns: |) | | | Twp Rng |
| Type | Well - S | ingle - Braden | head - GG or G | O Multiple | Packer | Set At | | | | County | ¥ | <u> </u> |
| Produ | icing Th | nru Ding | Reservoir T | emp. ∘F | Mean A | nnual T | emp. ∘F | Baromet | er Pres | ssure - P. | State New Me | |
| L | | Н | Gq .6 | %CO2 | <u>l.</u> | %N ₂ | | %H₂S | | Prover 3/4" | Meter Run | Taps |
| | | | FLOW DAT | A | | <u> </u> | тив | ING DATA | | | I NG DATA | |
| NO. | Prove Line | | Orifice Size | Pressure p.s.i.q. | Tempe: | | Pressure p.s.i.q. | Temper øF | | Pressure p.s.i.q. | Temperature oF | Duration of |
| SL | | 2" X 3/4 | ļ" | | | | 1017 | | | 1076 | | 0 |
| 1. | | | | | | | _97 | 50 | · | 1032 | | 0.5 hr |
| 2 | | | | | · | | 98 | 51 | | 1016 | | 1.0 hr |
| 3 | L | | | <u> </u> | | | 99 | 52 | | 1001 | | 1.5 hrs |
| 4. | <u> </u> | | | | | | 103 | 54. | · | 989 | | 2.0 hrs |
| 5 | | | | <u> </u> | | | 99 | 57. | · | 964 | <u> </u> | 3.0 hrs |
| | | | | <u>R</u> | ATE OF F | LOW CA | ALCULATION T | <u>s</u> | | <u> </u> | Γ | 1 |
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| NO. | | P, | Temp. | oR | T, | EIN | Z | | _ | Irocarbon Ra | | Mcf/bb |
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| 2. 3. | | | | | 3 U 1991 | 'سه خ | - | 1 | | y Separator_ Flowing Fluid | | XXXXXX |
| 4. | <u> </u> | | | , com | | | | | | re | | |
| 5. | | | | UILL GO | Jako L | Dù L | | Critical | | | P.J.I.G. | <u></u> |
| P <u>_ 10</u> | 88 | | P _c ² 1183744 | | 96. 3 | | | | | | | |
| NO | | P,¹ | P _w | P _w ² | | P _c ² - F | 2 W | (1) <u>P</u> | 2 = | <u>5.1207</u> (2 | $\frac{[P_c^2]^n}{[P_c^2]^n} = \frac{[P_c^2]^n}{[P_c^2]^n}$ | <u>3.4041</u> |
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| 2. | | | | | | | | | | | | |
| 3 | - | | <u> </u> | | ļ | | | AOF=C | P ^c ₂ | $\frac{2}{ P_w ^2} = 4$ | 742 | |
| 4. | <u> </u> | | 1 | 1 | <u> </u> | 4.01 | | L | | 1 | | |
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| | | | o med mist for | 1.5 hours to light r | | to clear | | D O | C-i | | Observed Book | <u>-</u> |
| Appro | ved By | Commission: | | Conducted By | ŗ. | | Calculated | | Griguhr | 1 | Checked By: | |

| <i></i> | <u>.</u> | |
|--|--|---|
| Form 3160-5 TRV LOUNDING DEPARTMENT | AND MANAGEMENT | FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993 |
| | ND REPORTS ON WELLS to deepen or reentry to a different reservoir. Use 50 is | 5. Lease Designation and Serial No. SF-078767 |
| APPLICATION FOR PERMIT— for such proposa | 8 - 1 - 30 95 MG 25 AH IU: 30 - | 6. If Indian, Allottee of Tribe Name |
| SUBMIT | n triplicate - 070 FARMINGTON, IVA | 7. If Unit or CA, Agreement Designation |
| . Type of Well | □ Other | 8. Well Name and No. ROSA UNIT #125 |
| Name of Operator WILLIAMS PRODUCTION COMPANY | | 9. API Well No. 30-039-25144 |
| Address and Telephone No. PO BOX 3102 MS 37-4, TULSA, OK 74 | 101 (918) 588-4592 | 10. Field and Pool, or Exploratory Area BASIN DAKOTA |
| Location of Well (Footage, Sec., T., R., 970' FNL & 1190' FEL, SEC 13, T31N, | | 11. County or Parish, State RIO ARRIBA, NEW MEXICO |
| CHECK APPROPRI | ATE BOX(s) TO INDICATE NATURE OF NOTICE, REPO | ORT, OR OTHER DATA |
| TYPE OF SUBMISSION | ТҮРЕ О | F ACTION |
| ☑ Notice of Intent ☐ Subsequent Report | ☐ Abandonment ☐ Recompletion ☐ Plugging Back ☐ Casing Repair | ☐ Change of Plans ☐ New Construction ☐ Non-Routine Fracturing ☐ Water Shut-Off |
| ☐ Final Abandonment | ☐ Altering Casing ☑ Other <u>CONTINUE S.I. STATUS</u> | ☐ Conversion to Injection☐ Dispose Water |
| | is (Clearly state all pertinent details, and give pertinent dates | (Note: Report results of multiple completion on Well Completion or Recompletion Repand Log form.) |
| If well is directionally drilled, give subsur | one year extension of "Shut-In" status for this | (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) and Log form.) i, including estimated date of scarring any proposed wo markers and zones pertinent to this work.)* well. Recent Rosa Unit development in |
| If well is directionally drilled, give subsur | one year extension of "Shut-In" status for this near this wellbore indicate that uphole potentia | (Note: Report results of multiple completion on Well Completion; or Recompletion Report and Log form.) i, including estimated date of stearing any proposed wo markers and zones pertinent to this work.)* well. Recent Rosa Unit development in the stearing and stearing and stearing any proposed works. |
| If well is directionally drilled, give subsur Villiams Production Company requests a desaverde and Pictured Cliffs formations roduction Company plans to recomplete t | one year extension of "Shut-In" status for this near this well bore indicate that uphole potentials well in 1996. | (Note: Report results of multiple completion on Well Completion; or Recompletion Report and Log form.) s, including estimated date of scarring any proposed we markers and zones pertinent to this work.)* well. Recent Rosa Unit development in |
| If well is directionally drilled, give subsur Villiams Production Company requests a lesaverde and Pictured Cliffs formations roduction Company plans to recomplete t | one year extension of "Shut-In" status for this near this well bore indicate that uphole potentials well in 1996. | (Note: Report results of multiple completion on Well Completion; or Recompletion Report and Log form.) s, including estimated date of starting any proposed wormarkers and zones pertinent to this work.)* well. Recent Rosa Unit development in all may exist. If economics justify, Willia |
| If well is directionally drilled, give subsurvilliams Production Company requests a desaverde and Pictured Cliffs formations roduction Company plans to recomplete to | one year extension of "Shut-In" status for this near this wellbore indicate that uphole potentials well in 1996. THIS APPROVAL EXPIRES NOV 0 1 | (Note: Report results of multiple completion on Well Completion; or Recompletion Report and Log form.) s, including estimated date of starting any proposed work markers and zones pertinent to this work.)* well. Recent Rosa Unit development in all may exist. If economics justify, Willia All 3 0 1996 |
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| If well is directionally drilled, give subsurvilliams Production Company requests a desaverde and Pictured Cliffs formations roduction Company plans to recomplete to the signed STERG KATIRGIS (This space for Federal or State office use Approved by Conditions of approval, if any: | one year extension of "Shut-In" status for this near this wellbore indicate that uphole potentials well in 1996. THIS APPROVAL EXPIRES NOV () 1 Title SR, ENGINEER | (Note: Report results of multiple completion on Well Completion or Recompletion Repo and Log form.) s, including estimated date of swarring any proposed wo markers and zones pertinent to this work.)* well. Recent Rosa Unit: development in the all may exist. If economics justify, William All 30 1996 Date Augus: 19, 1995 Date |

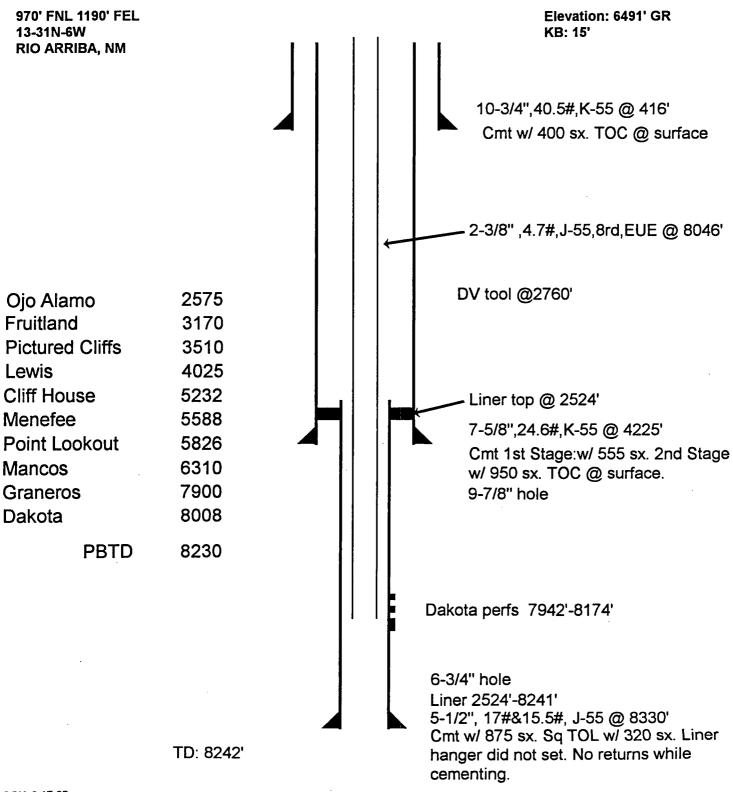
*See Instruction on Reverse Side

A PART OF THE PART

NMOCD

WELLBORE DIAGRAM

ROSA UNIT #125



| In | Li | eu | ъf | |
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UNITED STATES DEPARTMENT OF THE INTERIOR

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| | | Ł., | Budget Bureau No. 1004-013! Expires: March 31, 1993 |
| • | ٠ | | Expires: March 31, 1993 |
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| BUREAU OF LAND MANAGEMENT | / RE |
|---------------------------------|---------|
| TO NOTICES AND DEPORTS ON HELLS | / nergi |

| ., | € E SUNDRY | NOTICES AND REPO | ORIS ON WELLS | |
|-----------------|-----------------|------------------|-----------------|-------------------|
| Do not use this | form for propos | sals-to drill or | to deepen or re | entry to a differ |
| eservoir. Use " | APPLICATION FOR | RERUNT" for s | uch proposals | entry to a differ |
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SE 078767 If Indian, Allottee or Tribe

| • | 495 30 10 2 | | 1.8 |
|----|---|------------|--|
| | SUBMIT IN TRIPLICATE | יי וייעלונ | if Unit or CA, Agreement Designation ROSA UNIT |
| 1. | Type of Well □ Oil Well □ Other | 8. | Well Name and No. ROSA UNIT #125E |
| 2. | Name of Operator WILLIAMS PRODUCTION COMPANY | 9. | API Well No. 30-039-25526 |
| 3. | Address and Telephone No. PO BOX 3102 MS 37-4, TULSA, OK 74101 (713) 588-4592 | 10. | Field and Pool, or Exploratory Area BLANCO MV/BASIN DK |
| 4. | Location of Well (Footage, Sec., T., R., M., or Survey Description) 1670' FSL & 1035' FEL, SEC 13, T31N, R06W | 11. | County or Parish, State RIO ARRIBA, NEW MEXICO |
| | CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPOR | T, OR OTH | IER DATA |
| | | • | |

| TYPE OF SUBMISSION | TYPE OF | ACTION |
|---------------------|-------------------------------------|---|
| ☐ Notice of Intent | ☐ Abandonment | ☐ Change of Plans |
| • | ☐ Recompletion | □ New Construction |
| D Subsequent Report | ☐ Plugging Back | ☐ Non-Routine Fracturing |
| | ☐ Casing Repair | ☐ Water Shut-Off |
| ☐ Final Abandonment | ☐ Altering Casing | ☐ Conversion to Injection |
| | DI Other <u>DRILLING OPERATIONS</u> | □ Dispose Water |
| | | (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form) |

13. 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.)*

6-19-95 Move on location and rig up. Spud surface hole at 1600 hrs. 6/18/95. TD surface hole at 345'. TOH. Ran 7 jts. (327.52') of 10-3/4", 32.75#, H-40, ST&C casing and landed at 339' KB. Cementers Inc. cemented with 215 sx. (387 cu.ft.) of Cl "B" with 3% CaCl2 and 1/4# celloflake/sk. Displaced plug with 20 bbls of water. Plug down at 0000 hrs. 6/19/95. 6-20-95 Pressure test to 1500#-held O.K.

6-22-95 TD'd intermediate hole @ 3615' with bit #3 (9-7/8", HTC, 11H).

6-23-95 Ran 82 jts (3603.50') of 7-5/8", 20.40#, K-55, LT&C casing and landed at 3615 KB. Float collar at 3570'. BJ cemented with 620 sx (1,271 cu.ft.) of Cl "B" 65/35 poz with 2% CaCl2, 8% gel, and 1/4# cello-flake/sk. Tailed with 240 sx (283 cu.ft.) of Cl "B" with 2% CaCl2 and 1/4# cello-flake/sk. Preceded cement with 30 bbls of gel water and 20 bbls of scavanger cement. Displaced cement with 168 bbls of water and plug down at 0045 hrs 6/23/95. Circulate 10 bbls of cement to surface.

6-24-95 Pressure test to 1500# - OK. Unload hole with nitrogen. Well dusting at 1600 hrs. 6/23/95. 6-28-95 TD'd well with bit #5 (6-1/4", HTC, J-55) @ 8129'. SWS ran IND/GR SNL/CDL logs.

6-29-95 Ran 186 jts (8108.27') of 5-1/2", 17#, N-80, LT&C casing and set at 8120' KB. Float collar at 8096' KB and top of marker joint is at 7627 KB. BJ preceded cement with 20 bbls of gel water and 20 bbls of scavenger cement. Cemented with 350 sx (473 cu.ft.) of class "B" 50/50 poz with 4% gel and 0.5% fluid loss. Tailed with 100 sx class "H" with 3.5% silica flour, 1/4# cello-flake/sk, 1.8% fluid loss, and 0.2% dispersant. Displaced plug with 188 bbls and down at 1045 hours 6-28-95. Rig released at 1300 hours 6-28-95. Moving to Rosa Unit Com #90A.

7-01-95 TOC by temperature survey is 3255'. PDTD is 7997'.



| ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | Conditions of approval, if any: | | ACCEPTED FOR | RECORD | |
|---|---|-------|-----------------------------------|---------------------------|--|
| | (This space for Federal or State office use) Approved by | Title | | _ Date | |
| 4. | I hereby certify that the foregoing is true and corr Signed Susan Griguhn Luxur Jucque | निपद | VIVIO LOUVO Title <u>Clerk</u> | Date <u>July 10, 1995</u> | |

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

FARMINGTON DISTRICT OFFICE

"ELEIVED DIVISION (December 1990)

M & SUNITED STATES DEPARTMENT OF THE INTERIOR

SUBMIT IN TRIPLICATE. (Other instructions on reverse side)

Form approved. Budget Bureau No. 1004-0136

| Expires: Decembe | r 31, 1991 |
|---------------------------|------------|
| 5. LEASE DESIGNATION AND | SERIAL NO. |
| SF-078767 | |
| 6. IF INDIAN, ALLOTTER OR | TRIBE NAME |

| | BUREAU OF | SF-078767 | | | | | | | |
|--|-------------------------------|--------------------------|------------------------------|-----------------------|-----------------|---------------|---|-----------------------------|--|
| ADDII | | 6. IF INDIAN, ALLOTTE | OR TRIBE NAME | | | | | | |
| | CATION FOR P | ERMIT TO | JHIL | LUNDEE | PEN | V* 5∠ | , | | |
| DR | ILL 🖾 | DEEPEN | | 070 F | and G | I, N.I | 7. UNIT AGREEMENT N | AMB | |
| OIL O | AS OTREE | | | ONE | MULTIPI ZONE | | 8. FARM OR LEASE NAME, WE | и. мо. (008480) | |
| 2. NAME OF OPERATOR NORTHWEST PI | MS Prod Co PELINE CORPORAT | ION- | 0 | GRID 1 618 | 9- 10 m | asa : | Rosa Unit #12 | 25E 17035 | |
| | c/o Walsh Engr. | | | | - Ive | 1000 | 30-039 | | |
| | Farmington, | | -F- | 505 327- | 4892 | | 10. FIELD AND POOL, O | R WILDCAT | |
| 4. LOCATION OF WELL (R | eport location clearly and | | h any f | | | _ | BASIN DAKOTA BLANCO MESA VI | • | |
| At surface | 1670'FSL & 103 | 5'FEL | | | | | 11. SBC., T., R., M., OR I | KLK. | |
| At proposed prod. son | e Same | | | | | 4 | Sec. 13, T31N, R6W | | |
| | AND DIRECTION FROM NEAD | | | E* | | | 12. COUNTY OR PARISH | 18. STATE | |
| 25 miles Nort | heast of Blanco | , New Mexic | 0 | | | | Rio Arriba | N.M. | |
| 15. DISTANCE FROM PROPO LOCATION TO NEAREST | | 310' | 16. NO | O. OF ACRES IN | LEASE | | OF ACRES ASSIGNED HIS WELL | | |
| PROPERTY OR LEASE I. (Also to nearest drig | INE, FT. | 310 | Z | 2518.04 | | 223. | 28 MV & DK | | |
| 18. DISTANCE FROM PROP TO NEAREST WELL, D OR APPLIED FOR, ON THE | RILLING, COMPLETED, | 2500' | 19. PROPOSED DEPTH 20. 8110' | | | · · | Rotary | | |
| 21. ELEVATIONS (Show who | | | | | | | 22. APPROX. DATE WO | RK WILL STARTS | |
| 6345'GR This | action is subject | t to technica | l and | 1 | | | April 1995 | | |
| 23. proc | edurai review pursu: | and a social field | 485 M | D CEMENTING | HRUdrid | GOPERA | ATIONS AUTHORIZ | EDARE | |
| SIZE OF HOLE | appeal pursuant to | 13 QEB-31-25- | OOT | · SETTING D | HB1E | TO TO | COMPHANCE | T WITH THE | |
| 13-3/4" | 10-3/4", H-40 | 32.75 | | 300-3 | 20 | | ALEACTURED TO THE | | |
| 9-7/8" | 7-5/8", K-55 | 26.4 | | 3615' | <i></i> | | | 254 cuft Cl"B" | |
| 6-3/4" 5-1/2", N-80 17.00 8110' | | | | | | | uft 50/50 Poz | | |
| | | | | [| | iw l | th additives | | |
| NORTHWEST DI | PELINE proposes | to drill = | . 176° | tical well | 1 +0 3 | evelon | the Mesa Verd | a | |
| | ormations at the | | | | | | | | |

drilling and surface use programs.

This location has been archaeologically surveyed by CRMS. Copies of the report will be submitted directly to your office.

This APD also is serving as an application to obtain BLM road right-of-way. The right-of-way will be new road crossing the SE/4 of Section 13; an existing road crossing the S/2 S/2 of Section 13; and the SE/4 of Section 14; all of T31N, R6W, where it connects to the main Rosa Road. The Rosa Road continues in a southwest direction for 13 miles where it connects to the Sims Mesa Highway.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or 24.

| SIGNED Paul C. Thompson | TITI.E _ | Paul C. Thompson, Agent | DATE | 3/6/95 |
|--|----------------|--|--------------------|------------------------|
| (This space for Federal or State office use) | | APPROVAL DATE | A | APPHOVED AS AMENDED |
| Application approval does not warrant or certify that the applicant holds le | gal or equitab | ole title to those rights in the subject lease which would | l entitle the appl | JUN 07 1995 |
| APPROVED BY 1995 1995 1995 1995 1995 1995 1995 199 | . muž | | L-DIS | TRICT MANAGE |
| See See | Instrucția | iñsi On Reverse Side | | |

District I PO Box 1980, Hubbs, NM 88241-1980 District II PO Drawer DD, Artesia, NM 88211-0719 District III 1000 Rio Bruzos Rd., Aztec, NM 87410 District IV PO Box 2088, Santa Fc. NM 87504-2088

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 93 in 1 = 9 Santa Fe, NM 87504-2088

Form C-102 Revised February 21, 1994

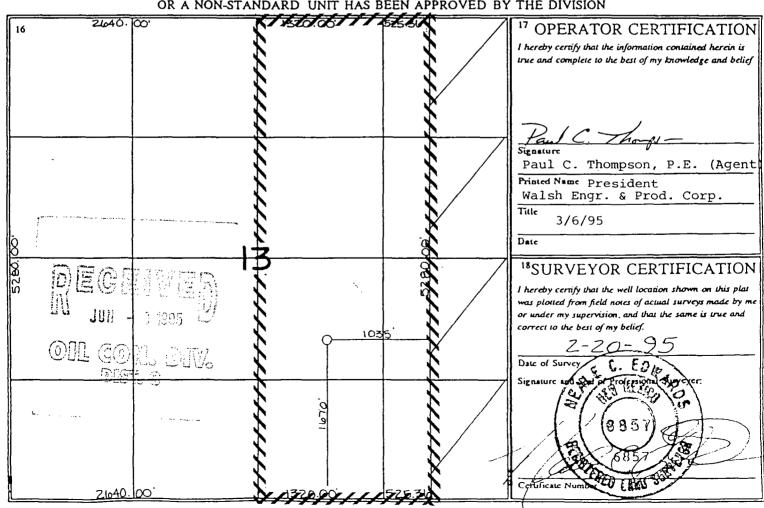
Instructions on back Submit to Appropriate District Office State Lease - 4 Copies

8: 92

Fee Lease - 3 Copies AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

| API Number 1 Pool Code 71599 | | | | | c | Pool Name BASIN DAKOTA | | | | | | |
|------------------------------|-----------|-----------|----------------------------|-------------|-----------------------|-------------------------------|---------------|----------------|----------------|--|--|--|
| 1 Property | Code | | | | 1 Property | Name | | | * Well Number | | | |
| 00848 | 7/1/33 | | | | Rosa Uni | t | | | 125 E | | | |
| | No. 752 | | | North | Operator Iwest Pip | Name Fuel Ca eline Prod | uction- | | Elevation 6345 | | | |
| | | | | | 10 Surface | Location | | | | | | |
| UL or lot no. | Section | Townshi | p Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County | | | |
| J | 13 | 31 N | 6 W | ļ | 1670' | FSL | 1035' | FEL | R.A. | | | |
| | | | 11 Bot | tom Hole | e Location I | f Different Fro | om Surface | | | | | |
| UL or lot no. | Section | Township | Range | Lot Ida | Feet from the | North/South line | Feet from the | East/West line | County | | | |
| ¹² Dedicated Acr | cs "Joint | or lafill | ¹⁴ Consolidatio | n Code 15 C | order No. | <u> </u> | | <u> </u> | | | | |
| 223.28 | Y | | υ | | | | | | | | | |
| NO ALLOY | VABLE \ | | | | | ON UNTIL ALL | | | ONSOLIDATED | | | |



PO Box 1980, Hobbs, NM 88241-1980 PO Drawer DD, Artesia, NM 88211-0719 District III 1000 Rio Bruzos Rd., Aztec, NM 87410 District IV PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Remurces Department

Revised February 21, 1994 Instructions on back Submit to Appropriate District Office
State Lease 4 Com

OIL CONSERVATION DIVISION PO Box 2088 Softward Santa Fe, NM 87504-2088

State Lease - 4 Copies Fee Lease - 3 Copies

Form C-102

670 FILLE SOL, NET _ AMENDED REPORT

| | | WE | ELL LO | CATIC |)N AND ACF | REAGE DEDI | CATION PI | LAT | |
|---|----------------|----------|--------------------|-----------|--------------------|--------------------------------|---------------|-------------|------------------------|
| API Number | | | | | | | | | |
| ⁴ Property | | | <u></u> | | 'Property Rosa Uni | | | | • Well Number 125 E |
| 'OCRID <u>尖の</u> 16189 | No. 182 | | | Nort | Operator | Name Fred Co eline Produ | uction | | Elevation 6345 |
| | | | | | 10 Surface | Location | | | |
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West t | line County |
| J | 13 | 31 N | 6 W | l | 1670' | FSL | 1035' | FEL | R.A. |
| | | | 11 Bot | tom Ho | le Location I | f Different Fro | om Surface | | |
| UL or lot no. | Section | Township | Range | Lot Ida | Feet from the | North/South line | Feet from the | East/West I | line County |
| 12 Dedicated Acr | res '3 Joint e | | Consolidation U | n Code 15 | Order No. | | | | |
| NO ALLOV | | OR A I | | | UNIT HAS BE | EN APPROVED | | | N CONSOLIDATED |
| OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION 1525.36 17 OPERATOR CERTIFICATION 1 hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Factor. Thomps. | | | | | | | | | |

Paul C. Thompson, P.E. (AGENT) Printed Name President Walsh Engr. & Prod. Corp. 1035

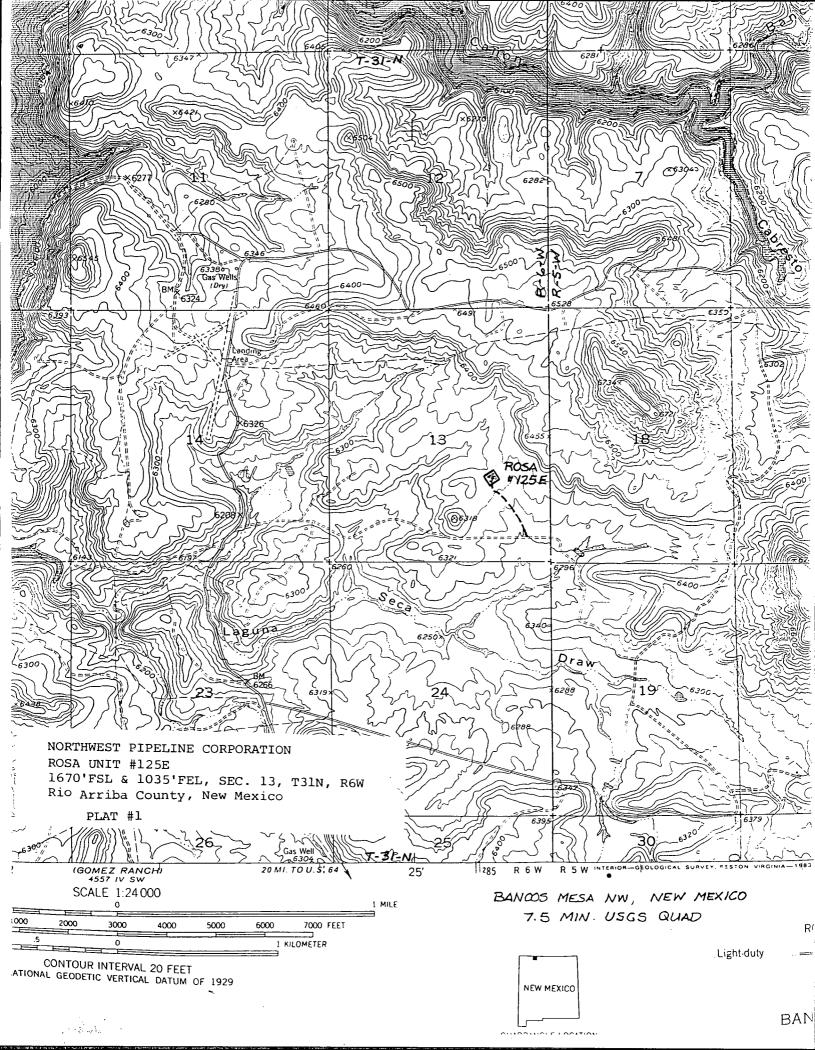
2640.100

3/6/95 Date

18SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat

was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.



| In Lieu of | |
|-------------|--|
| Form 3160 | |
| (June 1990) | |

UNITED STATES DEPARTMENT OF INTERIOR BUREAU OF LAND MANAGEMENT

| / | FORM APPROVED |
|---|-----------------------------|
| 1 | Budget Bureau No. 1004-0135 |
| | Expires: March 31, 1993 |

| | RECEIVE |
|------------------------------------|---------|
| SUNDRY NOTICE AND REPORTS ON WELLS | BLM |

BLM

Lease Designation and Serial No. 5. SF-078767

| o not use this form for proposals to drill or to deepen or reenty to a different i | reservoir. | Use "APP | LICATION |
|--|------------|----------|----------|
| TO DRILL" for permit for such proposals | S8 M | 1Y-7 | B1111: |

If Indian, Allottee or Tribe Name

| | 070 TECHNICATE |)N, NI/I 7. | If Unit or CA, Agreement Designation ROSA UNIT |
|----|--|----------------|--|
| 1. | Type of Well □ Other □ Other | 8. | Well Name and No. ROSA UNIT #125 |
| 2. | Name of Operator WILLIAMS PRODUCTION COMPANY | 9. | API Well No. 30-039-25144 |
| 3. | Address and Telephone No. PO BOX 3102 MS 37-4, TULSA, OK 74101 (918) 588-4592 | 10. | Field and Pool, or Exploratory Area |
| 4. | Location of Well (Footage, Sec., T., R., M., or Survey Description) 970' FNL & 1190' FEL, NW/4 NE /4 SEC 13-31N-6W | 11. | County or Parish, State RIO ARRIBA, NM |

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | | | | |
|---|--|--|--|--|--|--|
| □ Notice of Intent ■ Subsequent Report □ Final Abandonment □ MAY 1 3 0 | Abandonment Recompletion Plugging Back DAKOTA Casing Repair Altering Casing Other | ☐ Change of Plans ☐ New Construction ☐ Non-Routine Fracturing ☐ Water Shut-Off ☐ Conversion to Injection ☐ Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) | | | | |

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. 13. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

4-05-1998 MOL and RU. Spot all equipment. Fill rig pit.

4-07-1998 Drove to location. Blew well down. 1500# on backside. NDWH. NU BOP. Unseat donut and tally out of hole. TIH with tbg and scraper to 7890'. TOH. TIH with tbg and cmt retainer. Set @ 7881'. Rig up BJ. Load with water and PT tbg to 3500#. PT csg to 3340#. P&A Dakota. Cmt Dakota with 65 sx class "H" below retainer and 10 sx above retainer. Sting out of retainer and TOH with 60 stands. Secure location. SDON.

4-08-1998 Start rig & TOH w/ tbg. RU Blue Jet & run CBL/ GR/CCL from 6203' to 4200'. Cement top @ 5650' - no cement across CH/Menefee. TIH & shoot squeeze 3 holes @ 5120'. Load hole & break down @ 800#. Pumped into formation @ 2-1/2 to 2-3/4 bpm @ 1200#. Drain pumps & lines. Secure location & SDON.

4-09-1998 RIH w/ tbg. & set packer @ 4897'. RU BJ Services & establish rate - 1-1/2 bpm @ 1000#. Load back side & pressure up to 500#. Squeeze w/50 sx. Class "B". Pumped cement at 1 to 1-3/4 bpm @ 1500# - 2000#. Shut in w/2750# on squeeze. WOC. Check flow back - none. Release packer & pull 10 stands slow. TOH w/ tbg. & packer. RU Blue Jet & shot 3 squeeze holes @ 4900'. Establish rate 4-1/2 - 5 bpm. RIH w/ tbg. & set packer. RD Blue Jet & RU BJ Services. Had trouble w/ valves. Squeeze perfs. @ 4900' w/ 50 sx of Class "B" neat @ 2-1/2 bpm @ 1000# - 1700#. Clear packer & SD. Squeeze cement to 2000# w/ last 4 bbls of cement. RD BJ & SD w/ 2000# on well. Secure location & SDON.

| | | CONTINUED ON PAGE 2 | | · |
|-----|---|---------------------|------|---------------------------------|
| 14. | I hereby certify that the foregoing is true and correct | | | |
| | Signed SUSAN GRIGUHN | Title <u>CLERK</u> | Date | May 2, 1998 ACCEPTED FOR RECORD |
| | (This space for Federal or State office use) | | | |
| | Approved by | Title | | _{D.M.A.Y} ଓ 1998 |
| | Conditions of approval, if any: | | | FARMINGTON DISTRICT OFFICE |

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.

- <u>4-10-1998</u> Thaw pumps, lines & well head. Release packer & TOH. RIH w/ 2-3/8" tbg. & 3-7/8" bit. Tag up on cement @ 4832'. Circulate clean. Pressure test casing to #2500, broke back. Pump into formation @ 1/4 1/2 bpm @ 1600#. TOH & remove bit. RIH w/ tbg. open ended to 4896'. Change out both casing valves (both bad). RU BJ Services. Establish rate 0.3 bpm @ 1650#. SD & mix cement. Spot 20 sx of Class "B" neat @ 4896'. Close rams & squeeze 1-1/2 bbls into formation. Max pressure: 2800#. Shut well in & wash up pumps & lines. After 35 min. pressure still 2800#.
- 4-11-1998 Bleed off 1700# of pressure. TOH w/ tbg. Make up 3-7/8" bit & TIH. Tag up on cement @ 4710'. Break circulation. Drill out squeeze & circulate hole clean. Pressure test to #3200 for 15 min. held OK. RIH & tag up on cement @ 5011'. Break circulation & drill out squeeze. Pressure test to 3250# for 15 min. held OK. TIH to 6250' & circulate hole clean. TOH. Secure location & SDON.
- 4-12-1998 RU Blue Jet. RIH with logging tool. Unable to get past 2740'. TOH and remove centralizers, still unable to get down. RIH with 3-7/8" gauge ring to 6700'. RIH with logging tool, still would not go down. TOH and ran gauge on bottom of logging tool. Ran logs from 5500' to 4750'. TIH with tbg to 6067' and spot 500 gals of 15% HCl and TOH. RU Blue Jet and perforate Point Lookout with 3-1/8" gun at the following depths: 5803', 06', 09', 12', 36', 39', 42', 45', 48', 50', 59', 67', 70', 73', 77', 81', 84', 87', 91', 95', 99', 6901', 21', 23', 25', 6014', 47' and 67'. Total of 28 .36" holes. Ball off Point Lookout with water and 42 RCN neutral density ball sealers. Ball action good and complete @ 3100#. Test lines and RU for frac while running junk basket. Recovered 42 balls with 41 hits. Frac Point Lookout with 82,000# of 20/40 Arizona sand. Pumped 357 BBl pad of slick water @ a rate of 65-80 BPM and 2810# 2710#. Pumped sand in ½ 2 PPG stages. ATP = 2350#, MTP = 2810#, AIR = 83 BPM, MIR = 85.5 BPM. Job complete @ 13:18 hrs 4-11-1998. Total fluid pumped = 2136 BBls. RU Blue Jet and RIH with CIBP to 5700'. Set plug and TOH. Test plug with pump truck, did not test. Call for pkr. RIH with tbg and found leak @ 4900'. Pumped into formation @ 4.5 BPM and 2200#. Secure location and SDON.
- 4-14-1998 TIH with tubing and packer. Set packer at 4703'. Wait on BJ. Rig up BJ and pressure test lines to 4500#. Load annulus and pressure to 500#. Squeeze hole at 4900' with 25 sx thick set with 4# gilsonite/sk and 75 sx Cl "B" neat cement. Pumped cement at 2 bpm at 2000#. Displaced with fresh water. Hole squeezed off with 7 sx of cement in the casing and 93 sx outside. Final squeeze pressure was 2800#. Wash pumps and lines. SI well to WOC.
- 4-15-1998 Start rig. Found well with 1700#. Bleed off pressure. Release and TOH with packer. Pick up 3-7/8" bit and TIH. Tag cement at 4735'. Break circulation and drill cement to 4915'. Circulate hole clean. Pressure test to 3200# held OK. TOH with bit. Rig up Blue Jet and run CBL from 5100' 4700'. Cement is OK. RIH with perf gun and set at the bottom perf. Pressure well to 1250# and shot bottom hole. Shot remaining 22 0.36" perf holes @ the following depths: 5234', 39', 43', 47', 51', 55', 59', 63', 67', 71', 75', 79', 5333', 36', 39', 80', 89', 5516', 18', 52' and 54'. Well on a vacuum.
- 4-16-1998 RU BJ Services. Ball off Menefee/Cliff House. Ball action good & complete @ 3100#. RIH w/ junk basket & knock balls off. Frac Cliff House/Menefee w/ 78,540# of 20/40 Arizona sand. Pumped 476 bbl pad of slickwater @ 40 bpm @ 2200#. Pumped sand in 1/2, 1, 1-1/2 & 2 ppg stages. Total fluid: 2,226 bbls. Job complete @ 0804 hrs. 4/15/98. ISIP: 100#, 5 min: 0#. ATP: 2,023#, MTP: 2,650#, AIR: 63 bpm, MIR: 64.5 bpm. RIH w/ RBP & set @ 5080'. RIH w/ dump bailer & dump sand on top of plug. RIH w/ perf. guns would not go to bottom. RU to circulate out sand. TIH & circulate out sand. TOH. RIH w/ perf. guns & perforate over balanced 1200#. Perfs: 4798, 99, 4800, 01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 4881, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94. Total of 38 holes (EHD: 0.36"). Ball off Lewis w/ 67 balls in water. Good ball action & complete @ 2900#. RIH w/ junk basket & recover 66 balls w/ 30 hits. Frac Lewis w/ 84,480# of 20/40 in 60 quality foam w/ 30# x-link gel. Pumped sand in 1, 2, 3 & 4 ppg stages. Job complete @ 1550 hrs. 4/15/98. ISIP: 1,726#, 5 min: 1,458#. 10 min: 1,450#. 15 min: 1,430#. ATP: 1,810#, MTP: 2,680#, AIR: 41 bpm, MIR: 43 bpm. Total fluid 453 bbls. Open to flow back @ 1600 hrs. @ 1730 hrs. pressure down to 1,100#.
- 4-17-1998 Lewis flowing 400# thru 1/4" choke. Pressure increased to 750# making sand & water. Pressure down to 400# making heavy sand & water. Pressure fell to 250# but still making heavy sand & water. Change choke to 1/2". Flowing steady mist of water & sand. Turn over to night watch.
- 4-18-1998 Open choke. Flow through 2". Pressure decreased to 200#. Gas will burn, heading and flowing open to blooie line. RIH with 2-3/8" tbg open ended and tagged sand @ 4850'. CO sand with compressor to top of RBP @ 5080'. Ran sweeps every ½ hr. Pulled up to 2450'. Secure location and shut well in for over night build up.
- 4-19-1998 Found well with 700 #. Buildup pressure in 14 hours. Blow well down to 75 100# and open through blooie line. TIH and tag sand at 5075'. Clean out to RBP. POH to 4894' and blow with compressor. Recovering small amount of sand and no water. Ran soap sweep and killed tubing. POH to 4740'. Ran soap sweep. SI well for 36 hour build up.
- 4-21-1998 Found Lewis w/ 950#, blow tbg. down to 100#. Take pitot guage: 8# through 2" = 1,756 mcfd. Let well flow & take pitot guage: 980 mcf. Take 2 more readings 30 min apart holding steady @ 980 mcfd. RIH w/ tbg. & tag RBP no fill (had to kill well twice, making water & sand). TOH & PU retrieving head. TIH & latch onto RBP. TOH w/ RBP. RIH to liner top & flow well w/ compressor. Making heavy sand & water. Turn over to night watch.
- 4-22-1998 TIH and tag sand at 5471'. Clean out sand to 5700'. Ran soap sweeps at 30 min. intervals. Less sand with each sweep. Ran soap sweeps at 1 hr. intervals. No sand recovery at 1730 hrs sweep. POH to 5000'. Gauged well at 1948 MCFD. Turned well over to watchman.
- 4-23-1998 TIH and tag sand at 5690'. Clean out sand to 5700' and ran two soap sweeps. TOH and pitot test well at 1948 MCFD. Pick up mill and TIH. Drill CIBP. Let head blow off lower zone. Continue pushing CIBP to 6510'. TOH and remove mill. TIH open ended and ran soap sweep at 5000'. Secured location and turned well over to watchman.
- 4-24-1998 TIH and clean out sand to 6510'. Well quit making sand at 0930 hrs. but continued blowing well with compressor until 1100 hrs. TOH and laid down extra tubing. Pitot gauged well at 2416 MCFD. Rig up Blue Jet and set CIBP at 4975' to isolate and test Lewis. TIH and landed 2-3/8" tubing at 4895'. Unload small amount of water. Rig down rig and equipment. FINAL REPORT.

District I

State of New Mexico

PO Drawer DD, Artesia, NM 88211-0719

District III

District IV PO Box 2088, Santa Fe, NM 874504-2088

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1000 Rio Brazozs Rd., Aztec, NM 87410

Form C-104 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office 5 Copies

AMENDED REPORT

| | | R | EQUEST FO | R ALLOW | ABLE | AND AU | THORIZA | ATION T | O TRANSPOR | RT | | | |
|---|--|--------------------------|------------------------------|--------------------|--------------------|-------------|---|----------------------------------|-------------------------------------|---|--|--|--|
| | | WHIT | • | ame and Address | OMPA | NV | | | | ² OGRID | l l | | |
| | WILLIAMS PRODUCTION COMPANY P. O. BOX 3102 | | | | | | | 120782 3 Reason for Filing Code | | | | | |
| | TULSA, OK 74101 | | | | | | | NW NW | | | | | |
| | API Number 039-2514 | 4 | | | | | 5 Pool Name 6 Pool v. ANCO MV 723 | | | | | | |
| | roperty Code | | | | | Property ! | | | | | *Well Number | | |
| | 017033 | | | | | Rosa U | nit | | | | #125 | | |
| II. | Section | rface Loca | Range | Lot.ldn | Feet fre | om the | North/Sou | th Line | Feet from the East/West line County | | | | |
| В | 13 | 31N | 6W | | | 970' | | RTH | 1190' | EAST | | | |
| 11 Bottom | | | | l | . I | | | | | | | | |
| UL or lot no. | Section | Township | Range | Lot Idn | Feet fro | om the | North/South | ı line | Feet from the | East/West line | County | | |
| 12 Lse Code | 13 Prod | lucing Method Code | 14 G | as Connection Date | <u>'</u> | 15 C-129 Pe | rmit Number | | 16 C-129 Effective Date | | 17 C-129 Expiration Date | | |
| FED | C | - | | | | | | | | | | | |
| III. Oil and (| | isporters | ¹⁹ Transporter Na | me | | 20 1 | POD | 21 O/G | I | 22 POD ULS | | | |
| 009018 | GL | ANT REFINI | and Address | | £ | 821 | 2 0 4 | 0 | | and Desc | ription | | |
| 007010 | P. 0 | O. BOX 1299 OTTSDALE, | 9 | • | ' 4 | 0 2 1 | <u> </u> | | | | | | |
| | 30 | OTTSDALE, | , AZ 63207 | | | | | | | , | | | |
| 025244 | | | ELD SERVICE | S | | | | G | | B 13 31 | N 6W | | |
| PROBLEM OF LONDING CONTROL | | TN: NANCY BOX 58900 | | | 2 | 8212 | 205 | | parameter of the second of | m - #7 | en e | | |
| | SA | LT LAKE CI | TY UTAH 84 | 158-0900 | | | | | | | | | |
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| | | | | | | | la de la companya de | | | COR | I. DIVA | | |
| IV. Produc | ed Wate | r | | | | | | | | أآفالوا | | | |
| | POD | . 4 | | | | 24 PC | DD ULSTR Loc | ation and Des | cription | | | | |
| ク <u>8?</u> V. Well Co | |] {} n Data | | | | | | | - | . · · · · · · · · · · · · · · · · · · · | gar programme, de Estre escribe de mande de en | | |
| | ud Date | Data | ²⁶ Ready Da | te | | 27 TD | | Γ, | 28 PBTD | | ²⁹ Perforations | | |
| 11-8 | -1991 | | 4-23-199 | 8 | | 8242' | | 7795 | 8 230' | | 4798' – 6067' | | |
| | 30 Hole Size | | | 31 Casing & Tubing | | | | | | | 33 Sacks Cement | | |
| | 9-7/8" | | | 7-5/8" 24.6 | | | | 416' | | | 400 SX 1505 SX | | |
| <u>.</u> | 6-3/4" | | | 4-1/2" 11.0 | | | 25 | 24' – 824 | 2' | | 875 SX | | |
| | | | | 2-3/8" | | • | | 4895' | | - | 0,00,0 | | |
| VI. Well Tes | t Data | | | | | | | | | - | | | |
| 34 Date No | w Oil | 35 Gas | Delivery Date | 1 | Test Date 0-1998 | | 37 Test Le | ngtb | 38 Tbg. Pre | ssure | 39 Csg. Pressure | | |
| | | | | | | | 3 hrs | | 20# | | 145# | | |
| ⁴⁰ Choke | Size | | 41 Oil | 4 | ² Water | | 43 Gas | | 44 AOE | 7 | 45 Test Method | | |
| | | 1 | | <u></u> | | | 900 | | | | Pitot | | |
| "I hereby certify the information given a | | | | | h and that th | ıe | | OILC | ONSERVATION | ON DIVI | SION 5-32-58 | | |
| Signature: | usa | n G | reger | (n) | | Appı | oved by: | Pr | nie / | Six | A. | | |
| Printed name: | S. Gr | iguhn 🗸 | 1 | | | Title: | | 7 am | TY OIL & GAS | INSPECTA | SIL, DIST. #13 | | |
| Title: Drilling Clerk | | | | | | Appr | oval Date: | | MAY 2 2 | 1998 | | | |
| Date: | May | 11, 1998 | Phone: (| 918) 561-62 | 254 | | | | | | | | |
| 47 If this is a change | of operator fill i | in the OGRID numb | er and name of the pr | evious operator | | <u> </u> | | | | | | | |
| Pı | revious C | Operator Sig | gnature | | • | Prin | ited Name | ! | | Title | Date | | |

| | In Lieu of . | |
|---|--------------|--|
| _ | Form 3160-4 | |
| | (July 1992) | |

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLIC.

FORM APPROVED OMB NO. 1004-0137

Expires: February 28, 1995

5. LEASE DESIGNATION AND LEASE NO.

| | | | | | 1 1 1 | <u> </u> | 3F-0/8/6/ |
|----------------------------------|--|-------------------------------|-----------------------------------|---------------------------------|-----------------------------------|---|----------------------------------|
| v | VELL COMPLI | ETION OR REC | COMPLETION R | EPORT AND L | 9G*·111. 21 | 6. IF INDIAN, ALLO | TTEE OR |
| la. TYPE C | OF WELL: OIL WELL OF COMPLETION. EW WELL OWORK | 7 121 H- 3 H- 111 STON, NM | 7 UNIT AGREEMEN | NT NAME ROSA UNIT | | | |
| | OF OPERATOR | | DUCTION COMPAN | | | 8.FARM OR LEASE ROS | NAME, WELL NO. SA UNIT #125 |
| 3. ADDRE | SS AND TELEPHONE NO | | S 37-2 TULSA, OK 741 | 01 (918) 561-6678 | | 9. API WELL NO. 30-03 | 9-25144 |
| At Su | rface 970' FNL & 11' | Leport location clearl | y and in accordance wit | | ents)* | IGNA 11. SEC., T.,R.,M., O SURVEY OR AR | EA |
| | | | | 14. PERMIT NO. | DATE ISSUED | NW/4 NE/4 SEC 12. COUNTY OR RIO ARRIBA | 13. STATE NEW MEXICO |
| IS. DATE SPUDDED 11-8-1991 | 16. DATE T.D. REACHED 12-5-1991 | 1 | D (READY TO PRODUCE) 3-1998 | 18. ELEVATIONS (DK | I , RKB, RT,GR,ETC.)* 91'GR | 19. ELEVATION CA. | L |
| 20. TOTAL DEPTH, N | | | MD & TVD 1230 , | 22. IF MULTCOMP., HOW MANY 2 | 23. INTERVALS DRILLED BY | ROTARY TOOLS X | CABLE TOOLS |
| | ERVAL(S), OF THIS COM ANCO MV 4798' — (| IPLETION - TOP, BOTTO | M, NAME (MD AND TVD)* | | * | 25. WAS DIRECTION | NAL SURVEY MADE |
| CBL, GAS SP | | | | | | 27. WAS WELL COR NO | ED |
| | (Report all strings set in we IZE/GRADE. | WEIGHT, LB./FT | DEPTH SET (MD) | HOLE SIZE | TOP OF CEMENT, CEN | JENTING RECORD | AMOUNT PULLED |
| | I" K-55 | 40.5# | 416' | 12-3/4" | 400 SX - S | | 2,400,1110,222 |
| | " K-55 | 24.6# | 4225' | 9-7/8* | 1505 SX – S | URFACE | |
| 29 LINER RECORD SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | 30. TUBING RECORD | DEPTH SET (MD) | PACKER SET (MD) |
| 4-1/2" | 2524' | 8241' | 875 SX | JCREEN (NID) | 2-3/8" | 4895' | FACKER SET (JUD) |
| JI PERFORATION R | ECORD (Interval, size, and | | | 32.ACID, SHOT, FRAC | TURE, CEMENT SQUEEZE | | 1 |
| 12', 13', 14', 15', | 16', 17', 18', 19', 2 | | 81', 82', 83', 84', 85', | DEPTH INTERVAL (MD) | AMOI | UNT AND KIND OF MA | TERIAL USED |
| CH/Menefee: 52. | 34', 39', 43', 47', 51 | | 71', 75', 79', 5333', | 4798'- 4894 [.] | 84,480# 20/40 Sand | in 453 BBIs slick | water |
| Pt Lookout: 5803 | 3', 06', 09', 12', 36', | 39', 42', 45', 48', 50 | 0', 59', 67', 70', 73', | 5234' - 5554' | 78,540# 20/40 Sand | in 2226 BBIs slick | water |
| 28 0.36" holes. | 1060, 66, 66, 16 | , 21 , 23 , 23 , 6014 | ', 47', 67'. Total of | 5803' – 6067' | 82,000# 20/40 Sand | in 2136 BBIs slick | water |
| 33.PRODUCTION | | | | | | | |
| DATE OF FIRS | TPRODUCTION | PRODU | ICTION METHOD (Flowing, g Flow | | pe of pump) | WELL STA | TUS (PRODUCING OR SI) SHUT IN |
| DATE OF TEST | TESTED | CHOKE SIZE | PROD'N FOR TEST | OIL - BBL. | GAS - MCF | WATER - BBL. | GAS-OIL RATIO |
| 4-30-1998 | 3 hrs | | PERIOD | | 113 | | |
| FLOW TBG PRESS 20# | CASING PRESSURE | CALCULATE | D 24-HOUR RATE | OIL - BBL. | GAS – MCF 900 | WATER - BBL. | OIL GRAVITY-API (COR |
| | | I | | ı | I . | I | 1 |

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

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): TO BE SOLD

35 LIST OF ATTACHMENTS:

SUMMARY OF POROUS ZONES, WELLBORE DIAGRAM

SIGNED Susan Griguhn

ALCEPTED FOR RECORD

TEST WITNESSED BY: CHIK CHALEY

MAY 0 8 1998

OIL CON. DIV.

FARMINGTON DISTRICT OFFICE



TITLE Drilling Clerk

| FORMATION TOP OJO ALAMO 2710° FRUITLAND 3170° PICTURED CLIFFS 3427° LEWIS 3640° CLIFF IIOUSE 5232° MENEFEE 5582° POINT LOOKOUT 5824° MANCOS 6151° GRNEROS 7900° DAKOTA 8008° | | | | | | |
|--|--------|-----------------------------|------|------|-------------------|---------------------|
| AMO AND ED CLIFFS IOUSE EE COOKOUT SS OS | моттом | DESCRIPTION, CONTENTS, ETC. | NAME | | TOP | |
| AMO AND ED CLIFFS HOUSE EE COOKOUT SS OS | | | | NAME | MEASURED DEPTH | TRUE VERTICAL DEPTH |
| AND ED CLIFFS HOUSE EE COOKOUT SS OS | 3170' | | | | | |
| ED CLIFFS HOUSE LOOKOUT SS OS | 3427 | | | | | |
| IOUSE EE LOOKOUT SS OS | 3640' | | | | | • |
| UT | 5232' | | | | | |
| | 5582' | | | | | |
| | 5824' | | | | | |
| | 6151, | | | | | |
| | 1900, | | | | | |
| | 8008 | | | | | |
| · · · · · · · · · · · · · · · · · · · | | - | | | | |
| | | | | | | |

300 E



ROSA UNIT #125

98 MAY -7 MIII: 31

970' FNL 1190' FEL 13-31N-6W RIO ARRIBA, NM 070Elevation: 6491 GR: 15'

surface

| | | | 10-3/4",40.5#,K-55 @ 416'. |
|-----------------|-------|---------------------------|---|
| Ojo Alamo | 2710' | 1 | Cement with 400 sx. TOC @ s |
| Frutland | 3170' | | |
| Pictured Cliffs | 3427' | | |
| Lewis | 3640' | | Liner top @ 2524' |
| Cliff House | 5232' | | DV tool @2760' |
| Menefee | 5582' | | 2 2 (0) 4 7 4 7 5 5 0 4 5 1 5 6 6 |
| Point Lookout | 5824' | | 2-3/8" ,4.7#,J-55,8rd,EUE @ 4 |
| Mancos | 6151' | | |
| Graneros | 7900' | | |
| Dakota | 8008' | | 7-5/8", 24.6#, K-55 @ 4225'. Cement 1st stage with 555 sx, 2nd @ surface. 9-7/8" hole |
| | | Lewis perfs: 4798'- 4894' | |

PBTD 8230^t

TD: 8242'

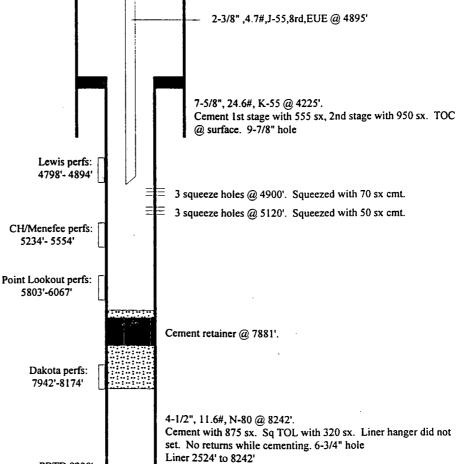
4/05/1998 - 4/24/1998

Plugged Dakota formation with 65 sx class "H" below retainer and 10 sx above.

Perforate Lewis with 38 holes from 4798' to 4894'. Frac with 84,480# 20/40 sand in 453 BBIs slick water.

Perforate Cliff House/Menefee 22 holes from 5234' to 5554'. Frac with 78,540# 20/40 Arizona sand in 2226 BBIs slick water.

Perforate Point Lookout 28 holes from 5803' to 6067'. Frac with 82,000# 20/40 Arizona sand in 2136 BBIs slick water.



District I
PO Box 1980, Hobbs, NM 88241-1980
State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-104 Revised February 21, 1994

Instructions on back

District II

Submit to Appropriate District Office 5 Copies

X AMENDED REPORT

PO Drawer DD, Artesia, NM 88211-0719

District All

1000 Rio Brazos Rd, Azztec, NM 87410.

District IV

Santa Fe, NM 87504-2088 PO Box 2088, Santa Fe, NM 87504-2088

| I, | ' (] R | ÆΦÜEST 1 | FOR ALLE |)WABLE A | ND AU | THORIZ | ZATION | TO TI | RANSPORT | | | |
|---------------------|---|-------------------------------|------------------------|-------------------------|---------------------|---|------------|--------------|---------------------------------------|--------------------|----------------------|---------------------------|
| | | | - | me and Addre | | ~ NIVI | | | ² OGRID Number 120782 | | | |
| | | • | | PRODUCTI | | MPANY | | | 3 | | 120782 for Filip | Code |
| | | | | 000 MS 2M3 CITY, UTA | | -0900 | | | adel CI | Keason I Effect | ive Date | ig Code 3.27-95] 199 |
| | API Numbe | er | | | 5 | Pool Nam | | | | \top | | Pool Code |
| | -039-25144 | | | | | roperty Na | | - | | | 9 v | 71599 Vell Number |
| | operty Cod | | | | | roperty Na ROSA UNI | | | | | ** | #125 |
| | | S Location | | | | | | | · · · · · · · · · · · · · · · · · · · | | | |
| Ul or lot no. | Section | Township | Range | Lot.Idn | Feet from | m the | North/S | | Feet from the | East/ | | County |
| В | 13 | 31N | 6W | | 970′ | | NORTI | 1 | 1190′ | EAST | | RIO ARRIBA |
| | | Hole Location | | г | 1 | | 1 37 35 / | 4 | | T == +/ | | |
| UL or lot no. | Section | Township | Range | Lot Idn | Feet fro | om the | North/S | South | Feet from the | East/\ | West | County |
| 12 - 0 1 | 13 7 | | 140 | | 135 | - 120 D | - 21 - 1 | 16 | 2 400 P.W. wi | | 1 17 C | cco P. Letter Dete |
| 12 Lse Code | 13 Pro | oducing Metho Code | rd 17 Gr | as Connection Date | , ₁₂ C | C-129 Perm | iit Numbe | :r 1: | C-129 Effective | Date | 1, C | -129 Expiration Date |
| F | | D | | | | | | | | | | |
| III. Oil and | d Gas T | ransporters | | | | 20 00 | | 21 | 2: | · | | |
| 18 Transpo OGRID | rter | 17 | Transporter and Addres | | | 20 PO | D | O/G | | | JLSTR I Descripti | |
| 008471 | G/ | ARY WILLIA | MS ENERG | Y | 2 | 8/5/ | 39 | 0 | | B 13 | 3 31N 6 | s w |
| | 9000000000000 | 0 17TH ST. S | | | <u> </u> | 013.6 | 2/ | | | | | |
| 025244 | | ENVER CO 8 TIJJAMS FTE | | FS | - 6 | 6 . 1 . | 57 | G | | | | |
| | A'I | ITN: GLENN D BOX 58900 | A BITTON | | 3 | 8069 | 111 | | | | | |
| | 2000000000000 | LT LAKE CI | | 4158-0900 | | | | | | | | |
| - | | | | | | | | | | | | |
| | | | | | | | | | | 回に | (4) [E | THATELA |
| | *************************************** | | | | | *************************************** | | | | N IS | 1271 | on whall |
| | | | | | | | | | Į. | 111 | MAY 3 | 1 0 1995 19 |
| IV. Produc | ed Wate | r | | | | | | - | · · · · · · · · · · · · · · · · · · · | 2011 | 78(1) | MI TALAWA ING ETING |
| 2806 | | | | | 24 | POD UL | STR Loca | ition and | Description | 27115 | | ino ilango L B |
| V. Well Cor | mpletior | Data | 24 - 4 7 | | | 77 | | | 79 | | | a _ |
| 25 Sp | oud Date | | ²⁶ Ready D | atc | | ²⁷ TD | | | ²⁸ PBID | | . عه | ⁹ Perforations |
| 3 | ³⁰ Hole Siz | 7.C | 31 C | Casing & Tubir | ng Size | | 32 | Depth S | ict | | 33 Sac | ks Cement |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| <u></u> | <u> </u> | | | | | _ | | | | | | |
| VI. Well Te | et Data | | | | | | | | | | | |
| 34 Date New | | | clivery Date | 36 Test Da | te | 37 Te | est Length | <u>.</u> | 38 Tbg. Press | ure | 39 (| Csg. Pressure |
| 40 Chok | e Size | .41 | ¹ Oil | 42 , | Water | | 43 Ga | <u></u> | 44 A | OF | - | 45 Test Method |
| 46 I hereby co | ertify that | the rules of th | he Oil Conse | rvation Divisi | on have | | | | | | | |
| been complied | d with and | that the info my knowledge | rmation given | | | | | OIL C | ONSERVATI | | IVISIO | N |
| Signature: | | - | | / | | Approv | ed by: | OL IDE | 77. 1909 - | | ייטר ו | ur, |
| Printed name: | Susan | Griguhn | reged | <u></u> | | Title: | | SUFE | ERVISOR [| 71010 | 101 # | 1 0 |
| Title: | Clerk | | | | | Approv | al Date: | | MAY 3 0 | 1995 | | |
| Date: | May | 26, 1995 | Phone: (1 | 801)584-6879 | | - | | | | | | |
| 47 If this is a | change o | of operator fill | in the OGR | D number ar | nd name of | f the previ | ous opera | itor | | | | |
| | | Nu | UP | | | | | | | | | |
| | Previous (| Operator Sign | ature | | | Printe | d Name | | | T | itle | Date |

Form 3160-5 (June 1990)

Approved by

Conditions of approval, if any:

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993

| DOMEN | U OF LAND MANAGEMENT | Expires: March 31,/1993 |
|---|--|--|
| Do not use this form for prop | OTICES AND REPORTS ON WELLS posals to drill or to deepen or reentry to a different reservoir. | 6. Lease Designation and Serial No. SF-078767 6. If Indian, Allottee or Tribe Name |
| Use "APPLIC | ATION FOR PERMIT - " for such proposals | 7. If Unit or CA, Agreement Designation |
| | | 1 |
| 1. Type of Well | | |
| Oil Gas Well Other | | 8, Well Name and No. |
| 2. Name of Operator AMOCO PRODUCTION COMI | Attention: PANYY Coil M. Loffcroon Rm 1942 | Rosa Unit #125 |
| 3. Address and Telephone No. | PANYY Gail M. Jefferson, Rm 1942 | 3003925144 |
| P.O. Box 800, Denver, Colorad | o 80201 (303) 830-6157 | 10. Field and Pool, or Exploratory Area |
| 4. Location of Well (Footage, Sec., T., R., M., or | Survey Description) | BASIN DAKOTA |
| 970'FNL 1190'FEL | Sec. 13 T 31N R 6W Unit B | 11. County or Parish, State |
| 370 FNE 1130 FEE | . Sec. 13 I SIN N OW OHILD | Rio Arriba NEW MEXIC |
| 12. CHECK APPROPRI | IATE BOX(s) TO INDICATE NATURE OF NOTICE, | REPORT, OR OTHER DATA |
| TYPE OF SUBMISSION | TYPE OF ACTION | |
| | | |
| Notice of Intent | Abandonment | Change of Plans |
| Notice of Intent | Recompletion Plugging Back | New Construction Non-Routine Fracturing |
| Subsequent Report | Casing Repair | Water Shut-Off |
| Final Abandonment Notice | Altering Casing Other Change of Operator | Conversion to Injection |
| | (Note: R | Dispose Water eport results of multiple completion on Well Completion or |
| | | letion Report and Log form.) |
| | (Clearly state all pertinent details, and give pertinent dates, including estimated date of star evertical depths for all markers and zones pertinent to this work.]* | ting any proposed work . If well is directionally drilled, give |
| Effective March 27 1995 A | moco Production Company will turn over operatorship on the | scubiont wall to Milliams Production |
| • | moco modoction Company will turn over operatorship on the | s subject well to williams ribudction |
| Company. | | Subject well to williams Froduction |
| Company. | DE BEN E | Subject well to williams Production |
| Company. Copy to: | | s subject well to williams Production |
| , Copy to: | | Subject Well to Williams Production |
| . Copy to: Williams Production Company | | i student went to winiams Production |
| Copy to: Williams Production Company P. O. Box 58900 | y Street, and the street, and | |
| . Copy to: Williams Production Company | y Street, and the street, and | |
| Copy to: Williams Production Company P. O. Box 58900 | y Street, and the street, and | |
| Copy to: Williams Production Company P. O. Box 58900 Salt Lake City, Utah 84158- Attn: Mark McCallister | Y -0900 OIL CONSERVATION DIVISIO | |
| Copy to: Williams Production Company P. O. Box 58900 Salt Lake City, Utah 84158- Attn: Mark McCallister If you have any questions, pl | y Street, and the street, and | |
| Copy to: Williams Production Company P. O. Box 58900 Salt Lake City, Utah 84158- Attn: Mark McCallister | Y -0900 OIL CONSERVATION DIVISIO | APR 1 4 1995 |
| Copy to: Williams Production Company P. O. Box 58900 Salt Lake City, Utah 84158- Attn: Mark McCallister If you have any questions, pl | Y -0900 OIL CONSERVATION DIVISIO | TOTAL COME DIV. |
| Copy to: Williams Production Company P. O. Box 58900 Salt Lake City, Utah 84158- Attn: Mark McCallister If you have any questions, pl | Y -0900 OIL CONSERVATION DIVISIO | APR 1 4 1995 |
| Copy to: Williams Production Company P. O. Box 58900 Salt Lake City, Utah 84158- Attn: Mark McCallister If you have any questions, pl | Y -0900 OIL CONSERVATION DIVISIO | TOTAL COME DIV. |
| Williams Production Company P. O. Box 58900 Salt Lake City, Utah 84158- Attn: Mark McCallister If you have any questions, pl | OIL CONSERVATION DIVISIO lease contact Bob Wilbanks at (303) 830-5066. | TOTAL COME DIV. |
| Copy to: Williams Production Company P. O. Box 58900 Salt Lake City, Utah 84158- Attn: Mark McCallister If you have any questions, pl | OIL CONSERVATION DIVISION | THE CASE VIEW OF APR 1 4 1995 CO |
| Williams Production Company P. O. Box 58900 Salt Lake City, Utah 84158- Attn: Mark McCallister If you have any questions, pl | OIL CONSERVATION DIVISIO lease contact Bob Wilbanks at (303) 830-5066. | THE CASE VIEW OF APR 1 4 1995 CO |

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 in the History, DISTRICT AFFICE representations as to any matter within its jurisdiction.

| In Lieu of UNITED Form 3160-5 DEPARTMENT OF | | FORM APPROVED Budget Bureau No. 1004-0135 |
|---|---|--|
| (June 1990) CONSERVE BUREAU OF LAND | MANAGEMENT RECEIVED | Expires: March 31, 1993 |
| ि SUNDRY NOTICES AND Do not use this form for proposals to कॉिंग to | REPORTS ON WELLS BLM deepen or reentry to a different reservoir. Use | 5. Lease Designation and Serial No. SF-078767 |
| "APPLICATION FOR PERMIT " for such proposals | 95 APR 24 PM 2: 47 | 6. If Indian, Allottee or Tribe Name |
| SUBMIT IN T | RIPLICATE 070 FARMINGTON, NM | 7. If Unit or CA, Agreement Designation |
| 1. Type of Well ☐ Oil Well ☐ Gas Well ☐ | Other | 8. Well Name and No. ROSA UNIT #125 |
| 2. Name of Operator NORTHWEST PIPELINE CORPORATION | | 9. API Well No. 30-039-25144 |
| Address and Telephone No. PO BOX 58900 MS 2M3, SALT LAKE CIT | Y, UTAH 84158-0900 (801) 584-68795 | 10. Field and Pool, or Exploratory Area BASIN DAKOTA |
| 4. Location of Well (Footage, Sec., T., R., M., o 970' FNL & 1190' FEL; SEC 13, T31N, Rov | or Survey Description) \mathcal{B} | 11. County or Parish, State RIO ARRIBA, NEW MEXICO |
| CHECK APPROPRIATE | BOX(s) TO INDICATE NATURE OF NOTICE, REPO | ORT, OR OTHER DATA |
| TYPE OF SUBMISSION | ТҮРЕ О | F ACTION |
| ⊠ Notice of Intent | ☐ Abandonment☐ Recompletion | ☐ Change of Plans ☐ New Construction |
| ☐ Subsequent Report | □ Plugging Back □ Casing Repair | ☐ Non-Routine Fracturing ☐ Water Shut-Off |
| ☐ Final Abandonment | ☐ Altering Casing ☑ Other <u>CONTINUE S.I. STATUS</u> | ☐ Conversion to Injection ☐ Dispose Water |
| | | (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) |
| | Clearly state all pertinent details, and give pertinent date clocations and measured and true vertical depths for all | s, including estimated date of starting any proposed work. markers and zones pertinent to this work.)* |
| N. C. | i.)://: A | ms prod. |
| | atus for this well for 6 months. Northwest l | Pipeline is now the operator of this well. We g back the Dakota and test the Mesaverde or |
| | | RECEIVED MAY - 1 1995 |
| | THIS APPROVAL EXPIRES NOV 0 | OIL CON. DIV. DIST. 2 |
| 14. I hereby certify that the foregoing is true and | соттесі | The second secon |
| Signed STERG KATIRGIS | SIK Title SR. ENGINEER | Date <u>April 21, 1995</u> |
| (This space for Federal or State office use) | | , |
| Approved by Conditions of approval, if any: | Title | Date |
| Title 18 U.S.C. Section 1001, makes it a crime for any fraudulent statements or representations as to any matte | | nent or agency of the United States any false, fictitious or |
| | | APPROVED |

*See Instruction on Reverse Side

NMOCD

APR 2 1 1995 DISTRICT MANAGER

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993

| BUREA | O OF LAND MANA | AGEMENT | | | |
|---|---------------------------|---|----------------------------|--|----------------------|
| SUNDRY NO | TICES AND REPOR | TO ON WELLS | | 5. Lease Designation and Serial N | (O.) |
| | | | | SF-078 | |
| Do not use this form for prop Use "APPLIC | CATION FOR PERMIT - " for | | | 6. If Indian, Allottee or Tribe Nan | 16) |
| | | 070 F.C. | | 7. If Unit or CA, Agreement Des | vignation |
| 4. T | | | | | 1 |
| 1. Type of Well Oil Gas Well Other | | | | 8. Well Name and No. | |
| 2. Name of Operator | agrii. | Attention: | | Rosa Unit | #125 |
| AMOCO PRODUCTION COM | PANYY | Gail M. Jefferson | n, Rm 1942 | 9. API Well No. | |
| 3. Address and Telephone No. | | (303) 830 | 6157 | 300392 | |
| P.O. Box 800, Denver, Colorad | | | | 10. Field and Pool, or Explorator | |
| 4. Location of Well (Footage, Sec., T., R., M., or | r Survey Description) | | | BASIN DA | KUIA |
| 970'FNL B 1190'FEL | _ Sec. 13 T | 31N R 6W | Unit B | Rio Arriba | : NEW MEXICO |
| 12. CHECK APPROPR | IATE BOX(s) TO IND | CATE NATURE | OF NOTICE, R | EPORT, OR OTHER D | DATA |
| TYPE OF SUBMISSION | | | TYPE OF ACTION | | |
| Notice of Intent Subsequent Report Final Abandonment Notice | Z. | Abandonment Recompletion Plugging Back Casing Repair Altering Casing Other Change of Open | ator (Note: Repo | Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water or results of multiple completion on Report and Log form.) | Well Completion or |
| Effective March 27 1995 A Company. Copy to: | moco Production Compar | ny will turn over ope | ratorsnip on the s | ubject well to williams | roduction |
| Williams Production Compan | ıy | | | · | |
| P. O. Box 58900 | 0000 | | | garanteen and a second | |
| Salt Lake City, Utah 84158 Attn: Mark McCallister | -0900 | | | | |
| If you have any questions, p | lease contact Bob Wilban | ks at (303) 830-500 | 66. | APR | 1 4 1995 |
| | | | | 99 <u>1</u> 110 20 | PAL BUY. |
| 14. I hereby certify that the foregoing is true and | Heism | Title | Business Ass | istACCEPTED.FOR | RECORD ⁹⁵ |
| (This space for Federal or State office use) | | | | | |
| | | T | , i. | APR 0719 | 95 |
| Approved by Conditions of approval, if any: | | Title | | FARMINGTON DISTRI | CT OFFICE |
| Title 18 U.S.C. Section 1001, makes it a crime f | | to make to any department or | egency of the United State | By false fictious, or traudulen | t statements or |

representations as to any matter within its jurisdiction.



United States Department of the Interior

RECEIVED BUREAU OF LAND MANAGEMENT

Farmington District Office

1235 La Plata (Figh MDP 24 PM 2: 4

PRODUCTION ENGINEERING

IN REPLY REFER TO: NMSF-078767 et al. (WC) 3162.3-2 (07337)

CERTIFIED--RETURN RECEIPT REQUESTED Z 082 203 679

Northwest Pipeline Corp % Williams Production Co. Attn: Mr. Sterg Katirgis P.O. Box 58900 Salt Lake City, UT 84158-0900

MAR 1 5 1995

Dear Mr. Katirgis:

Our records indicate that you are the operator of the following well:

1) No. 125 Rosa Unit, 970' FNL & 1190' FEL Sec. 13, T. 31 N., R. 6 W, Rio Arriba County, Lease NMSF-078767. Well has never produced.

Title 43 CFR Section 3162.3-4 requires that the lessee shall promptly plug and abandon, condition as a service well, or condition as a water well, any well on a lease that is not used or useful for the purpose of the lease. Accordingly, you are required to advise this office by Sundry Notice within 30 calendar days of your intent to perform one of the following:

- 1. Condition the well to a useful function.
- Temporarily abandon the well.
- 3. Continued shut-in status.
- 4. Permanently plug and abandon the well.

The Bureau of Land Management's Definition of a shut-in well is a completion that is physically and mechanically capable of production in paying quantities or capable of service use. The definition of a temporarily abandoned well is a completion that is not capable of production in paying quantities but which may have value as a service completion.

See attached General Requirements for Non-Producing wells on Federal leases.

The 30 calendar days commences upon receipt of this letter or seven days from the date it is mailed, whichever is less. Failure to comply within the 30 calendar days will result in strict enforcement of 43 CFR 3163.1.

Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR

| FOR | VI APPROVED | |
|-----------|------------------|---|
| udget Bur | eau No. 1004-013 | 5 |
| Expires: | March 31, 1993 | |

| BUREAU | OF LAND MANAGEMENT | OIL CONSER! |
|---|---|--|
| Do not use this form for propos | ICES AND REPORTS ON WELLS sals to drill or to deepen or reentry to a different reservoir TION FOR PERMIT - " for such proposals | 6. Lease Designation and Serial No. SECTIVED |
| 2. Name of Operator AMOCO PRODUCTION COMPA 3. Address and Telephone No. P.O. Box 800, Denver, Colorado 4. Location of Well (Footage, Sec., T., R., M., or Su 970"FNL 1190'FEL | 80201 (303) 830-6157 | 3003925144 10. Field and Pool, or Exploratory Area BASIN DAKOTA 11. County or Parish, State RIO ARRIBA NEW MEXIC TICE, REPORT, OR OTHER DATA |
| subsurface locations and measured and true ve Amoco Production Company re referenced well by Sundry date | Abandonment Recompletion Plugging Back Casing Repair Altering Casing Other Cancel Plugback and Recorded depths for all markers and zones pertinent to this work.)* equested approval to plug back and recomplete the ed 5/23/93 and approved 6/3/93 and hereby notifies well. Well ownership has been turned over to North | (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) Interest of starting any proposed work. If well is directionally drilled, give the Mesaverde and Pictured Cliffs in the above as the Bureau of Land Management that Amoco |
| Please contact me if you need | · · · · · · · · · · · · · · · · · · · | |
| 14.1 hereby certify they the foregoing is true and cor | V // | iness Assistant Date 02-28-1995 |

COCEPTED FOR HECORD

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, ficticious, organizations as to any matter within its jurisdiction.

Form 3160.5 * (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR OIL CONSERVATION DIVIS

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

| SION | Expires: | March | 31, | |
|------|----------|-------|-----|--|
|------|----------|-------|-----|--|

RECEIVED 5. Lease Designation and Serial No. SUNDRY NOTICES AND REPORTS ON WELLIS SF-078767 5F-0/8 Do not use this form for proposals to drill or to deepen or reentry to a different reservoir Use "APPLICATION FOR PERMIT - " for such proposals 7. If Unit or CA, Agreement Designation 1. Type of Well Oil Well 8. Well Name and No. Other 2. Name of Operator ROSA UNIT NO. 125 9. API Well No. Amoco Production Company D. C. Kalahar 3. Address and Telephone No 3003925144 (303) 830-5129 P.O. Box 800, Denver, Colorado 80201 10. Field and Pool, or Exploratory Area **BASIN DAKOTA** 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 11. County or Parish, State Sec. 13 T 31N R 6W 970'FNL 1190'FEL **RIO ARRIBA** NM CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF ACTION TYPE OF SUBMISSION Abandonment Change of Plans Notice of Intent Recompletion New Construction Plugging Back Non-Routine Fracturing Subsequent Report Water Shut-Off Altering Casin Conversion to Injection TEMPORARY PIT Final Abandonment Notice Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) 13. 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.)* Amoco Production Company intends to abandon the Dakota Formation in the subject well and recomplete (plug back) to the Mesa Verde and Pictured Cliffs per the attached procedures. Amoco also requests approval to construct a temporary 15'x15'x15' (maximum size) blow pit for return fluids. This pit will be reclaimed upon completion of the operation If ther are any questions, please contact Dallas Kalahar at 303-830-5129. JUN 7 1993 CONDITIONS OF APPROVAL DIST & 14. I hereby certify that 05-28-1993 **Business Analyst** (This space for Federal or State office use APPROVED

JUN 03 1993 Approved by Conditions of approval, if any

* 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

JH

any matter within its jurisdiction

Rosa Unit 125 13-31N-6W Basin Dakota PXA Mesa Verde/Pictured Cliffs Recompletion

- 1. Check location for anchors. Install if necessary. Test anchors.
- 2. MIRUSU. Blow down well. Kill if necessary with 2% KCL. NDWH. NUBOP.
- 3. POOH with 2 3/8" tbg. RIH with tbg and cement retainer. Set retainer at 6400'. Pump 280.24 cuft cement pull out of retainer and dump 2 barrels cement on top of retainer. Circulate hole clean. WOC. (PBTD = 6275')
- 4. TIH w/bit and scraper (4.5" csg, 11.6 lb/ft,K-55). Tag bottom. TOOH.
- 5. Install frac head, if possible, otherwise install isolation tool and pressure test. Swab fluid level down to \pm 5700'.
- 6. TIH w/3 1/8" perforating gun, 90 deg phasing. Perforate MV under balanced w/2 SPF, 12 g charge from 5800-06',5829-41', 5867-72' and 5898-09'. Correlate to attached GR. Report surface pressures on daily reports.
- 7. Fracture stimulate down casing according to the attached procedure.
- 8. TIH with ret BP. Set at 5700' (100' above MV perfs). Dump sand on top of BP.
- 9. TIH w/3 1/8" perforating gun, 90 deg phasing. Perforate PC under balanced w/2 SPF, 12 g charge from 3340-3364', 3368-78', 3386'-98'. Correlate to attached GR. Report surface pressures on daily reports.
- 10. Fracture stimulate down casing according to the attached procedure.
- 11. Flow well back slowly after one (1) hour.
- 12. TIH w/tbg with blast joints across PC perfs. Circulate out fill with Nitrogen. TOOH w/BP and clean out to PBTD (6275').
- 13. When sand production stops land tbg at 5600' with packer at 2500' to separate MV and PC. Swab well in if necessary to produce Mesaverde up tubing and Pictured Cliffs up casing.
- 14. RDMOSU.

BLM CONDITIONS OF APPROVAL

| Operator Amoc | o Production Company | Well Name 125 Rosa Un | it |
|----------------|----------------------|--------------------------------|----------------|
| Legal Location | 970'FNL/1190'FEL | Sec. <u>13</u> T. <u>31 N.</u> | R. <u>6 W.</u> |
| Lease Number | SF-078767 | Field Inspection Date | n/a |

The following stipulations will apply to this well unless a particular Surface Managing Agency or private surface owner has supplied to BLM and the operator a contradictory environmental stipulation. The failure of the operator to comply with these requirements may result in the assessments or penalties pursuant to 43 CFR 3163.1 or 3163.2. A copy of these conditions of approval shall be present on the location during construction, drilling and reclamation activity.

An agreement between operator and fee land owner will take precedence over BLM surface stipulations unless (In reference to 43 CFR Part 3160) 1) BLM determines that operator's actions will affect adjacent Federal or Indian surface, or 2) operator does not maintain well area and lease premises in a workmanlike manner with due regard for safety, conservation and appearance, or 3) no such agreement exists, or 4) in the event of well abandonment, minimal Federal restoration requirements will be required.

- 1. Pits will be fenced during work-over operation.
- 2. All disturbance will be kept on existing pad.
- 3. No construction, drilling or completion activities shall be conducted between December 1 and March 31 because of deer/elk wintering habitat.

Form 3160-5 (June 1990)

UNITED STATES DEPARTMENT OF THE INTERIOR SERVICED BUREAU OF LAND MANAGEMENT PROCESSED

FORM APPROVED Budgot Bureau No. 1004-0135 Expires: March 31, 1993

5. Lease Designation and Serial No.

SUNDRY NOTICES AND REPORTS, QN WELLS AM 9 11

SF-078767 Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. 6. If Indian, Allottee or Tribe Name Use "APPLICATION FOR PERMIT - " for such proposals 7. If Unit or CA, Agreement Designation 1. Type of Well Oil Well X Ges Well Other 8. Well Name and No. Rosa Unit #125 2. Name of Operator Attention 1232 Amoco Production Company Lori Arnold, rm. 9. API Well No. 3. Address and Telephone No. P. O. Box 800, Denver, CO 30-039-25144 80201 10. Field and Pool, or Exploratory Area 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Basin Dakota 11. County or Parish, State 970' FNL 1190' FEL S 13 T 31N R 6W Rio Arriba, NM CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Abandonment Change of Plans Notice of Intent Recompletion New Construction Plugning Back Non-Routine Fracturing Subsequent Report Casino Repair Water Shut-Off Altering Casing Conversion to Injection Final Abandonment Notice Other Current Status Dispose Water Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form, 1 13. 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.)* Upon further testing it has been decided that the well is incapable of commercial production. Amoco intends to P&A the Dakota formation. Currently, the well is being evaluated for uphole recompletion. FEB1 61993 0 1 1993 OIL COM. JUN THIS APPROVAL EXPIRES 2/1/93 Business Analyst Title (This space for Federal or State office use Approved by Conditions of approval, if any: AREA MANAGER NMOCO

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, ficticious, or fraudulent statements or

representations as to any matter within its jurisdiction.

Submit 5 Cupies
Appropriate District Office
DISTRICT!
P.O. Dox 1980, Hobbs, NM 88240

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

PM 10 02 Bottom of Page

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II P.O. Drawer DD, Anesia, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410

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| P.O. BOX 800, DENVER, | COLORADO | 80201 | | | | | | | ŧ | | |
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| d address of previous operator | IND I DI | c D | | | | | | | | | |
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| II. DESIGNATION OF TRAI | ISPORTE I | R OF OIL | . AN | ID NATUI | RÀL GAS | | | | | | |
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| Vanno of Authorized Transporter of Casis | rhead Gaz | | r Dry | Gar তিতা | Address (G) | e address so wi | ich anneaud | enny of this f | orns is to be se | nt) | |
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| (October 1990) | | UNITED | STAT | ES | SUBMIT IN | | | ′ / ОМ | IB NO. 10 | 004-0137 |
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| 26. TYPE ELECTRIC A | ND OTHER LOGS | RUN . | - | OIL | CON I | MV. | | i | 27. ₩▲ | S WELL CORED |
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| 28. | /NGT/GR/FD(| | | | | | | | | Yes |
| 28. CASING SIZE/GRADE | WEIGHT, LB./ | CA | | RD (Rep | DIST 3 | in well) | IENT, CEM | ENTING RECOR | | Yes |
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| 28. CASING SIZE/GRADE 10 3/4" | WEIGHT, LB./ | CA | SING RECO | RD (Rep 12 3 | DIST 3 ort all strings set .z size /4" 40 /8" Is | in well) TOP OF CEM 0 SX C1 | ass B 555 | sx | | AMOUNT PULLED |
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| 28. CASING SIZE/GRADE 10 3/4" 7 5/8" 29. | WEIGHT, LB./ 40.5# 24.6# TOP (MD) 2524* | CA TT. DEPTH 1 416 4225 LINER RECOR BOTTOM (MD) 8241 | SING RECO | PRD (Rep 100 12 3 9 7 | DIST 3 ort all strings set .E RIZE /4" 40 /8" 1s 2n screen (MD) | in well) 10P OF CEM 0 SX Cl. t stage d stage 30. 812E 2 3/8 CID. SHOT. | ass B 555 950s T | SX SX CUBING RECORPTS SET (1) 8046 URE, CEMEN | ORD ORD TT SQUE | AMOUNT PULLED 18 BBLS 135 BBLS PACKER SET (MD) EEZE, ETC. |
| 28. CASING SIZE/GRADE 10 3/4" 7 5/8" 29. BIZE 4.5" 31. PERFORATION REC | WEIGHT, LB./ 40.5# 24.6# TOF (MD) 2524* CORD (Interval, sa | CA TT. DEPTH 1 416 4225 LINER RECOR BOTTOM (MD) 8241 | SING RECO | PRD (Rep 100 12 3 9 7 | DIST 3 ort all strings set .E SIZE /4" 40 /8" 1s 2n | in well) 10P OF CEM 0 SX Cl. t stage d stage 30. 812E 2 3/8 CID. SHOT. | ass B 555 950s T | SX SX CUBING RECORPTS SET (1) 8046 URE, CEMEN | ORD ORD TT SQUE | AMOUNT PULLED 18 BBLS /35 BBLS PACKER SET (MD) |
| 29. CASING SIZE/GRADE 10 3/4" 7 5/8" 29. SIZE 4.5" | WEIGHT, LB./ 40.5# 24.6# TOF (MD) 2524* CORD (Interval, sa | CA TT. DEPTH 1 416 4225 LINER RECOR BOTTOM (MD) 8241 | SING RECO | PRD (Rep 100 12 3 9 7 | DIST 3 ort all strings set .E RIZE /4" 40 /8" 1s 2n screen (MD) | in well) 10P OF CEM 0 SX C1. t stage 30. 812E 2 3/8 CID. SHOT. AL (MD) | SSS B SSS SSS SSS SSS SSS SSS SSS SSS SS | SX SX CUBING RECORPTS SET (1) 8046 URE, CEMEN | ORD | AMOUNT PULLED 18 BBLS 135 BBLS PACKER SET (MD) EEZE, ETC. |
| 28. CASING SIZE/GRADE 10 3/4" 7 5/8" 29. SIZE 4.5" 31. PERPORATION REC | WEIGHT, LB./ 40.5# 24.6# TOF (MD) 2524* CORD (Interval, sa | CA TT. DEPTH 1 416 4225 LINER RECOR BOTTOM (MD) 8241 | SING RECO | PRD (Rep 100 12 3 9 7 | DIST 3 ort all strings set .E. RIZE /4" 40 /8" IS SCREEN (MD) | in well) 10P OF CEM 0 SX C1. t stage 30. 812E 2 3/8 CID. SHOT. AL (MD) | SSS B SSS SSS SSS SSS SSS SSS SSS SSS SS | SX SX CUBING REC DEFTH BET () 8046 URE, CEMEN | ORD | AMOUNT PULLED 18 BBLS 135 BBLS PACKER SET (MD) EEZE, ETC. |
| 28. CASING SIZE/GRADE 10 3/4" 7 5/8" 29. SIZE 4.5" 31. PERPORATION REC | WEIGHT, LB./ 40.5# 24.6# TOF (MD) 2524* CORD (Interval, sa | CA TT. DEPTH 1 416 4225 LINER RECOR BOTTOM (MD) 8241 | SING RECO | PRD (Rep 100 12 3 9 7 | DIST 3 ort all strings set .E. RIZE /4" 40 /8" IS SCREEN (MD) | in well) 10P OF CEM 0 SX C1. t stage 30. 812E 2 3/8 CID. SHOT. AL (MD) | SSS B SSS SSS SSS SSS SSS SSS SSS SSS SS | SX SX CUBING REC DEFTH BET () 8046 URE, CEMEN | ORD | AMOUNT PULLED 18 BBLS 135 BBLS PACKER SET (MD) EEZE, ETC. |
| 28. CASING SIZE/GRADE 10 3/4" 7 5/8" 29. SIZE 4.5" 31. PERPORATION REC | WEIGHT, LB./ 40.5# 24.6# TOF (MD) 2524* CORD (Interval, sa | CA TT. DEPTH 1 416 4225 LINER RECOR BOTTOM (MD) 8241 | SING RECO | PRD (Rep 100 12 3 9 7 | DIST 3 ort all strings set .E. RIZE /4" 40 /8" 1s 2n screen (MD) 32. | in well) 10P OF CEM 0 SX C1. t stage 30. 812E 2 3/8 CID. SHOT. AL (MD) | SSS B SSS SSS SSS SSS SSS SSS SSS SSS SS | SX SX CUBING REC DEFTH BET () 8046 URE, CEMEN | ORD | AMOUNT PULLED 18 BBLS 135 BBLS PACKER SET (MD) EEZE, ETC. |
| 29. CASING SIZE/GRADE 10 3/4" 7 5/8" 29. SIZE 4.5" 31. PERFORATION RECO | TOP (MD) 2524 Comp (Interval, signature) | CA FT. DEPTH 1 416 4225 LINER RECOR BOTTOM (MD) 8241 | SING RECORD SING R | PRO (Rep | DIST 3 ort all strings set .E. RIZE /4" 40 /8" 1s 2n screen (MD) 82. A DEPTH INTERV 7942-817 | in well) 10P OF CEM 0 SX C1. t stage d stage 30. 812E 2 3/8 CID. SHOT. AL (MD) 4 | See | SX SX CUBING REC DEPTH SET () 8046 URE, CEMEN OUNT AND KIE | ORD AD) T SQUE ND OF M Ment | AMOUNT PULLED 18 BBLS /35 BBLS PACKER SET (MD) EEZE, ETC. MATERIAL USED |
| 28. CASING SIZE/GRADE 10 3/4" 7 5/8" 29. SIZE 4.5" 31. PERPORATION REC | TOP (MD) 2524 Coap (Interval, signature) | CA FT. DEPTH 1 416 4225 LINER RECOR BOTTOM (MD) 8241 | SING RECORD SING R | PRO (Rep | DIST 3 ort all strings set .E. RIZE /4" 40 /8" 1s 2n screen (MD) 32. | in well) 10P OF CEM 0 SX C1. t stage d stage 30. 812E 2 3/8 CID. SHOT. AL (MD) 4 | See | SX SX CUBING REC DEFTH BET () 8046 URE, CEMEN OUNT AND KIN | ORD T SQUE ND OF M MENT | AMOUNT PULLED 18 BBLS 135 BBLS PACKER SET (MD) EEZE, ETC, MATERIAL USED |
| 29. CASING SIZE/GRADE 10 3/4" 7 5/8" 29. SIZE 4.5" 31. PERFORATION RECO | TOP (MD) 2524 Coap (Interval, signature) | CA FT. DEPTH 1 416 4225 LINER RECOR BOTTOM (MD) 8241 | SING RECO SET (MD) SO BACKS CI 875 S | PRO (Rep | DIST 3 ort all strings set .E. RIZE /4" 40 /8" 1s 2n screen (MD) 82. A DEPTH INTERV 7942-817 | in well) 10P OF CEM 0 SX C1. t stage 30. 81ZE 2 3/8 CCID. SHOT. AL (MD) 4 | See | SX SX SX CUBING REC DEPTH SET () 8046 URE, CEMEN OUNT AND KIN Attachin | ORD ORD T SQUE ND OF M Ment STATUM Sendi | AMOUNT PULLED 18 BBLS 135 BBLS PACKER SET (MD) EEZE, ETC. MATERIAL USED 1 (Producing or and IP test & |
| 29. CASING SIZE/GRADE 10 3/4" 7 5/8" 29. BIZE 4.5" 31. PERFORATION RECOMMENDED See Attachment ATR FIRST PRODUCT | TOP (MD) 2524 CORD (Interval, electron) CORD (Interval, electron) CORD (Interval, electron) | LINER RECOR BOTTOM (MD) 8241 see and number) | SING RECO | PRO (Rep 100 12 3 9 7 EMENT* SX PRO Reperiod | DIST 3 ort all strings set .E. RIZE /4" 40 /8" 1S 2n SCREEN (MD) 82. A DEPTH INTERV 7942-817 | in well) 10P OF CEM 0 SX C1. t stage d stage 30. 812E 2 3/8 CID. SHOT. AL (MD) 4 | See | SX SX CUBING REC DEFTH BET () 8046 URE, CEMEN OUNT AND KIN | ORD ORD T SQUE ND OF M Ment STATUM Sendi | AMOUNT PULLED 18 BBLS 135 BBLS PACKER SET (MD) EEZE, ETC, MATERIAL USED |
| 29. CASING SIZE/GRADE 10 3/4" 7 5/8" 29. BIZE 4.5" 31. PERFORATION RECOMMENDED See Attack 33.* DATE FIRST PRODUCT | TOP (MD) 2524 Cond (Interval, sinchment | LINER RECOR BOTTOM (MD) 8241 LINER RECOR BOTTOM (MD) CHOKE SIZ | SING RECO SET (MD) SO SET (MD) SO SET (MD) SO SET (MD) SO SET (MD) SET | PROI (Rep 100 12 3 9 7 EMENT* SX PROI as lift, p | DIST 3 ort all strings set .E. RIZE /4" 40 /8" 1S 2n SCREEN (MD) 82. A DEPTH INTERV 7942-817 | in well) 10P OF CEM 0 SX C1 t stage 30. 8122 2 3/8 CID. SHOT. AL (MD) 4 | See | SX SX CUBING REC DEPTH SET () 8046 URE, CEMEN OUNT AND KIE Attachm WELL SI/I WATER—BB | ORD ORD T SQUE ND OF M ment Status Scan Cendi | AMOUNT PULLED 18 BBLS 135 BBLS PACKER SET (MD) EEZE, ETC, MATERIAL USED A (Producing or mg IP test & WAS-OIL RATIO deling) |
| 28. CASING SIZE/GRADE 10 3/4" 7 5/8" 29. BIZE 4.5" 31. PERFORATION RECOMMENDED SEE Attack ATR FIRST PRODUCT ** | WEIGHT, LB./ 40.5# 24.6# TOP (MD) 2524* CORD (Interval, six | LINER RECOR BOTTOM (MD) 8241 LINER RECOR BOTTOM (MD) CHOKE SIZ | SING RECO SET (MD) SO SACKS CI 875 S (Flowing, g | PROI (Rep 100 12 3 9 7 EMENT* SX PROI as lift, p | SCREEN (MD) SCREEN (MD) 82. A DEPTH INTERV 7942-817 OUCTION SUMMING—size and | in well) 10P OF CEM 0 SX C1 t stage 30. 8122 2 3/8 CID. SHOT. AL (MD) 4 | See | SX SX CUBING REC DEPTH SET () 8046 URE, CEMEN OUNT AND KIE Attachm WELL SI/I WATER—BB | ORD ORD T SQUE ND OF M ment Status Scan Cendi | AMOUNT PULLED 18 BBLS 135 BBLS PACKER SET (MD) EEZE ETC. MATERIAL USED 4 (Producing or no IP test & UAS-OIL BATIO delling) |

*Well capable of commercial production 35. LIST OF ATTACHMENTS

Remedial cementing Perf & Frac Summary

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

BIGNED

ACCEPTED FOR RECORD

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

FARMINGTON RESOURCE AREA

TRUE VERT. DEPTH TOP GEOLOGIC MARKERS MEAS. DEPTH 3510 5232 5588 5826 6310 3330 7843 7900 8008 8172 44025 Pictured Cliffs Point Lookout P.C. (tongue) Burro Canyon Cliff House Greenhorn Fruitland NAME Graneros Menefee Mancos Dakota Lewis 38. 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): DESCRIPTION, CONTENTS, ETC. LIT 1935 Ta Sa 9 1 BOTTOM 10P FORMATION : " (;)

SUMMAR!
drill-stem
recoverie:
TAMAR

REMEDIAL CEMENT WORK:

SET 7 5/8" PKR @ 2430'. SQUEEZE LINER TOP W/ 320 SX CLASS B. DISPLACE W/ 11.25 BBLS. DRILL OUT CMT 2462'-2542'. TOH W/ PKR. PRESSURE TEST TO 2500#. TIH W/3.75" BIT TO 8230'. DISPLACE HOLE W/ 2% KCL.

PERFORATE DAKOTA:

PERF 8158'-8160' W/8 JSPF, .31 INCH DIAMETER, 16 SHOTS, OPEN PERF 8072'-8094' W/4 JSPF, .31 INCH DIAMETER, 88 SHOTS, OPEN MINIFRAC DAKOTA:

SET RBP @ 8096'. FRAC #1: PMP 109 BBLS TO LOAD HOLE. START FRAC @ 4750 PSI, 41 BPM. ENDING PRESSURE 3847 PSI. SI 4 HOURS. FRAC #2. LOAD HOLE W/ 115 BBLS. FRAC @ 20 BPM-4300 PSI,30 BPM-4600 PSI, 40 BPM 4800 PSI. FLUSH W/ 120 BBLS @ 4830 PSI. TOH W/ RBP. PERFORATE DAKOTA:

PERF 8152'-8174' W/4 JSPF, .31 INCH DIAMETER, 88 SHOTS, OPEN PERF 8140'-8146' W/4 JSPF, .31 INCH DIAMETER, 24 SHOTS, OPEN PERF 8110'-8124' W/4 JSPF, .31 INCH DIAMETER, 56 SHOTS, OPEN PERF 8077'-8079' W/8 JSPF, .31 INCH DIAMETER, 16 SHOTS, OPEN PERF 8026'-8044' W/4 JSPF, .31 INCH DIAMETER, 72 SHOTS, OPEN PERF 7942'-7949' W/8 JSPF, .31 INCH DIAMETER, 32 SHOTS, OPEN FRAC DAKOTA:

FRAC WELL W/ 130499 GAL X-LINK GELLED 2% KCL H2O AND 411000# 20/40 OTTAWA SAND. LOW RATE 47.8 BPM. HIGH RATE 60 BPM. AVE 53.9 BPM. START PRESS. 3850 PSI. END PRESS. 5500 PSI. SI PRESS. 240 PSI.

92 OCT 5 PM 10 00

Form 3160-5 (June 1990)

UNITED STATES

| FORM APPROVED | | | | | | |
|-----------------------------|--|--|--|--|--|--|
| Budget Bureau No. 1004-0135 | | | | | | |
| Expires: March 31, 1993 | | | | | | |

| DEFARIMENT OF THE INTERIOR | Expires: March 31, 1993 |
|--|--|
| BUREAU OF LAND MANAGEMENT | 5. Lease Designation and Serial No. |
| OUNDAY NOTIONS AND DESCRIPTIONS | SF-078767 |
| SUNDRY NOTICES AND REPORTS ON WELLS | 6. If Indian, Allottee or Tribe Name |
| Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. | |
| Use "APPLICATION FOR PERMIT—" for such proposals | |
| | 7. If Unit or CA, Agreement Designation |
| SUBMIT IN TRIPLICATE | |
| I. Type of Well | - |
| 「 Oil 「友」 Gas 「 」 | 8. Well Name and No. |
| C Well C Well C Other | 8. Well Name and No. |
| 2. Name of Operator | Rosa Unit #125 |
| Amoco Production Company Attn: Ed Hadlock | 9. API Well No. |
| 3. Address and Telephone No. | 30-039-25144 · |
| P.O. Box 800 Denver, Colorado 80201 (303) 830-4982 | 10. Field and Pool, or Exploratory Area |
| 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) | Basin Dakota Gas |
| 970' FNL, 1190' FEL | 11. County or Parish, State |
| Sec. 13, T31N, R 6W (NW/NE) "B" | Rio Arriba, N.M. |
| bec. 15, 151N, K on (MI) D | NEO METERA, MINI |
| | L |
| CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPOR | RT, OR OTHER DATA |
| TYPE OF SUBMISSION TYPE OF ACTION | |
| | |
| Notice of Intent D & B & V & D Abandonment | Change of Plans |
| Recompletion | New Construction |
| | |
| 007011392 | Non-Routine Fracturing |
| | Water Shut-Off |
| Final Abandonment Notice OIL CONI. DIV. Altering Casing Other Rem. Cmt. Work/ | Conversion to Injection |
| | Dispose Water |
| DIST, 3 Perf & Frac | (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) |
| SET 7 5/8" PKR @ 2430'. SQUEEZE LINER TOP W/ 320 SX CLASS B. DISPLACE W/ 11.25 BBLS. DRI W/ PKR. PRESSURE TEST TO 2500#. TIH W/3.75" BIT TO 8230'. DISPLACE HOLE W/ 2% KCL. PERFORATE DAKOTA: PERF 8158'-8160' W/8 JSPF, .31 INCH DIAMETER, 16 SHOTS, OPEN PERF 8072'-8094' W/4 JSPF, .31 INCH DIAMETER, 88 SHOTS, OPEN MINIFRAC DAKOTA: SET RBP @ 8096'. FRAC #1: PMP 109 BBLS TO LOAD HOLE. START FRAC @ 4750 PSI, 41 BPM. SI 4 HOURS. FRAC #2. LOAD HOLE W/ 115 BBLS. FRAC @ 20 BPM-4300 PSI,30 BPM-4600 PSI, 40 BBLS @ 4830 PSI. TOH W/ RBP. PERFORATE DAKOTA: PERF 8152'-8174' W/4 JSPF, .31 INCH DIAMETER, 88 SHOTS, OPEN PERF 8140'-8146' W/4 JSPF, .31 INCH DIAMETER, 24 SHOTS, OPEN PERF 8110'-8124' W/4 JSPF, .31 INCH DIAMETER, 56 SHOTS, OPEN PERF 8077'-8079' W/8 JSPF, .31 INCH DIAMETER, 16 SHOTS, OPEN PERF 8026'-8044' W/4 JSPF, .31 INCH DIAMETER, 72 SHOTS, OPEN PERF 7942'-7949' W/8 JSPF, .31 INCH DIAMETER, 32 SHOTS, OPEN PERF 7942'-7949' W/8 JSPF, .31 INCH DIAMETER, 32 SHOTS, OPEN PERF 7942'-7949' W/8 JSPF, .31 INCH DIAMETER, 32 SHOTS, OPEN PERF 7942'-7949' W/8 JSPF, .31 INCH DIAMETER, 32 SHOTS, OPEN PERF 7942'-7949' W/8 JSPF, .31 INCH DIAMETER, 32 SHOTS, OPEN PERF 7942'-7949' W/8 JSPF, .31 INCH DIAMETER, 32 SHOTS, OPEN PERF 7942'-7949' W/8 JSPF, .31 INCH DIAMETER, 32 SHOTS, OPEN PERF 7942'-7949' W/8 JSPF, .31 INCH DIAMETER, 32 SHOTS, OPEN PERF 7942'-7949' W/8 JSPF, .31 INCH DIAMETER, 32 SHOTS, OPEN PERF 7942'-7949' W/8 JSPF, .31 INCH DIAMETER, 32 SHOTS, OPEN PERF 7942'-7949' W/8 JSPF, .31 INCH DIAMETER, 32 SHOTS, OPEN | ENDING PRESSURE 3847 PSI. BPM 4800 PSI. FLUSH W/ 120 |
| RATE 60 BPM. AVE 53.9 BPM. START PRESS. 3850 PSI. END PRESS. 5500 PSI. SI PRESS. 240 PSI. | San I |
| | |
| 14. I hereby certify that the foregoing is true and correct Signed Ed Hadlot Title Admir . Aralyst | Date 9/28/92 |
| (This space for Federal or State office use) | |
| Annual processor of the control of t | ACCEPTED FOR RECORD |
| Approved by Title | Date |
| Conditions of approval, if any: | |
| • | SEP 2 9 1992 |
| 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 | |
| or representations as to any matter within its jurisdiction. | FARMINGTON RESOURCE AREA |
| | |

*See Instruction on Reverse Side

FARMINGTON RESOURCE AREA Jm-

| (June 1990) DEPARTM | INITED STATES OIL CONSERVE ON DIVISION MENT OF THE INTERIOR RECEIVED OF LAND MANAGEMENT | FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993 5. Lease Designation and Serial No. |
|---|---|---|
| Do not use this form for proposals to | SOURCE SAND REPORTS ON WELLS of drill or to deepen or reentry to a different reservoir. FOR PERMIT—" for such proposals | SF-078767 6. If Indian, Allottee or Tribe Name |
| SUBI | MIT IN TRIPLICATE | 7. If Unit or CA, Agreement Designation |
| Oil Gas Well Other 2. Name of Operator | | 8. Well Name and No. Rosa Unit #125 |
| Amoco Production Company A 3. Address and Telephone No. | Attn: J.L. Hampton | 9. API Well No. 30-039-25144 |
| P.O. Box 800 Denver CO 8020 4. Location of Well (Footage, Sec., T., R., M., or Surv |)]_ ey Description) | 10. Field and Pool, or Exploratory Area Basin Dakota |
| 13-31N-600 970' FNL, 1190' FEL NE/4 " | 'B" | 11. County or Parish, State Rio Arriba NM |
| 12. CHECK APPROPRIATE BO | DX(s) TO INDICATE NATURE OF NOTICE, REPO | RT, OR OTHER DATA |
| TYPE OF SUBMISSION | TYPE OF ACTION | |
| Notice of Intent Subsequent Report Final Abandonment Notice | Abandonment Recompletion Plugging Back Casing Repair Altering Casing Other Spud & set casing | Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water |
| | ate all pertinent details, and give pertinent dates, including estimated date of startin vertical depths for all markers and zones pertinent to this work.)* | (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) g any proposed work. If well is directionally drilled, |
| 40.5# K-55 surface casing a to the surface. Pressure to f 4225' on 11/17/91. Set with 1st stage: 355 sx, tail Circulated 135 BBLS good cases. | e on 11/8/91 at 4:00 hrs. Drilled to 41 at 416'. Cemented with 400 sx Cl.B. Cincested casing to 2000psi. Drilled a 9.7 at 7.5/8" 24/6# K-55 LT&C production casing the 2000 sx. 2nd stage: 890sx lead, tail element to the surface. Drilled a 6.3/4" 3241. Cemented with 775 sx 50/50 poz., on 12/7/91. | rculated 18 BBLS /8" hole to a TD g at 4225. Cemented 1 w/60 sx. hole to a TD of 8242 on |
| | OCTO1 1992 | |
| | OIL CON. DIV.) DIST. 3 | |
| 14. I hereby certify that the foregoing is true and correct Signed Collock | Title Admin analyst | Date 9/28/92 |
| (This space for Federal or State office use) | | ACCEPTED FOR RECORD |
| Approved by | TitleNNOCD | SEP 2 9 1992 |

*See instruction 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.

| | - we lon | | | SUBMIT IN TR | PLICATE• | Form approved. | | | |
|---|--|--|----------------------|---------------------------|----------------|---|---------------|--|--|
| (HOACHMAIL A AGA) | ON DIVISION UNIT | ED STATES | ioetue. | (Other instruc | tions on | Budget Bureau h Expires August | lo. 1004-0136 | | |
| , ,,,, | DEPARTMENT | OF THE T | VTERIO | Ŕ | ſ | G. LEASE DESIGNATION | • | | |
| ON MECTION | FIT 9 BEREAU OF | LAND MANAG | EMENT | 30-039-25 | 144 | SF-078767 | | | |
| APPLICATION | n for permit t | O DRILL, D | EEPEN | POR PLUG B | ACK | C. IF INDIAN, ALLOTTE | OR TRIBE NAME | | |
| DR b. Tipe of well | ILL X | DEEPEN | j.KGT0 | H. H. PLUG BA | ck 🗆 | 7. UNIT AUREGMENT N | AME | | |
| WELL | VILL Y OTHER | | TINOL: | ZONZ ZONZ | | S. FARM OR LEAGE NA | | | |
| 2. NAME OF OFERATOR Amoco Produc | tion Company | 7 | \ ጥጥ ለነ • . T | .L. Hampton | | Rosa Unit | | | |
| 3. ADDRESS OF OPERATOR | | | 12111. 0 | .D. Hempton | | #125 | | | |
| | O Denver, Color teport location clearly and | | h any State | requirements *) | | 10. FIRED AND POOL, | OR WILDCAT | | |
| . At surince | | | - | r Section)** | , | Basin Dakota | | | |
| 970° F At proposed prod. 201 | , | 11174 (11 | regura | r bección, | | Sec. 13, T31 | | | |
| 14. DISTANCE IN MILES | AND DIRECTION FROM NEAR | EOT TOWN OR TOS | T OFFICE. | | | 12. COUNTY OF PARIE | 13. STATE | | |
| | om Bloomfield | | | | | Rio Arriba | New Mexico | | |
| 10. DISTANCE FROM PROP LOCATION TO MEAREN PROPERTY ON LUARE | IT | | 2518. | ACRES IN LEASE | 70 7 | OF ACRES ABBIONED | | | |
| 18. DISTANCE FROM PRO | g. unit line, if any) | | | SED DEITH | | 8 acres E /2 | | | |
| | DRILLING, COMPLETED. | ı | 84 | 100 ° TD | Rota | otary | | | |
| | hether DF, RT, CR, etchis | | | logi and 43 CFR 3165.3 | | 22. APPROX. DATE W | : . | | |
| 6491' | CD ' | the state of the s | | | DRIELIN | As soon as p IG OPERATIONS AUTI | | | |
| | | , | | | <u> 3001FU</u> | T TO COMPENSION W | TH ATTACHED— | | |
| SIZE OF ROLE | BIZE OF CABINO | WEIGHT PERF | OOT | BETTING DEPTIL | " GENEI | RAL ROUNTRELIENCES | ÇNT | | |
| 14 3 <u>/4*</u> 9 7/8" | 10, 3/4* 7 5/8" | | | <u>400'</u> 4200' | 1 | <u>f Cl B (cement</u> f Cl B (cement | | | |
| 6 3/4" | 4 1/2" | 11.6# | | 8400' | | f Cl B (cement | | | |
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| ++ C111-3 | D | , , , , , , , , , , , , , , , , , , , | | ** | (ID - | (ICP-200) X : | 13) | | |
| rr see attached. | Application for | Non-Standa | ra Prop | ition Unit. | | | | | |
| Notice of Staki | ng was submitted | a: 9/20/91 | | | Filtra con | | | | |
| | | , | | | 19) E | CEIVE | A | | |
| Lease Descripti | on: <u>T31N-R6W:</u> | | _ @ 8 | | n n | | | | |
| | Sec. 12,1 | 13 and 24 | ALE I | V E III | NO | V 1 1991. L | ā. | | |
| | T31N-R5W: | | | | OIL | CON. DIV. | | | |
| | Son (8) | ַ D i | ECQ 31 | 331. | | OST 3 | | | |
| | Sec. 6 & Sec. | 7: 8: \ \ | ALL WZN | . DIV | | • | | | |
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| 24. | Jamoton | 10,00 | Sr | Staff Admin. | Cupari | uisor /D// | 4/91 | | |
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State of New Mexico Energy, Minerals and Natural Resources Departme...

Form C-102 Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

RECEIVED

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT 1 P.O. Bux 1980, Hobbs, NM 88240

Santa Fe, New Mexico 87504-2088

91 OCT 17 AM 10: 23

DISTRICTION

WELL LOCATION AND ACREAGE DEDICATION PLAT 019 FARMINGTON, H.M.

| AMDED PRODUCTION COMPANY RUSA UNIT Fange Section Township B 13 31 NORTH A WEST NORTH For Actual Focuse Location of Weit: 970 feet from the Producing Formation NORTH line and 1190 feet from the EAST line Consult under late: 6497 LA LOTA | TOWN KNO BESZOE KO | 1., AZIEC, NM 8/410 | All Distance | es must be from | the outer b | oundaries of | the section | UL | | |
|--|--------------------|---------------------------|--------------------------|-------------------------------|----------------|-----------------|------------------|---------------|-------------------|-------------------|
| Unit Letter Section Township Range County | Operator | | | Lea | SC. | | | | Well No. | |
| B 13 31 NORTH 6 WEST NMM RIO ARRIBA Actual Focuse Location of Well: 970 feet from the Producting Formation 1190 feet from the Dedicated Arrange: 974 Feet from the Dedicated Arrange: 12 If more than one lasts is distincted to the mitigent will by colored peacified haddurn must on the plat below. 2. If more than one lasts is distincted to the well, couldness that Meetily the overearthip fleerof (both as to working interest and royably). 3. If more than one lasts is different overeathip is addicated to the well, have the interest of all overent been compositioned by communicitation, force-pooling, etc? 1 Yes 10 To first the overent and trust descriptions which have actually been consolidated. (Use reverse side of the saltwards with the surigington to the well and the saltwards of the saltwards with the surigington to the white the saltwards of the Saltwards with the surigington to the well have been consolidated. (Use reverse side of the saltwards with the surigington which have actually been consolidated. (Use reverse side of the saltwards with the surigington to the saltwards with the surigington or mild a soc-standard unit, eliminating such interest have been consolidated (I) the reverse side of the saltwards with the surigington or mild a soc-standard unit, eliminating such interest have been consolidated by community to the Saltwards or mild product the saltward of the Saltwards with the surface of the Saltwards with the Sa | AMOCO | PRODUCTION | V COMPANY | 11 | ROSA U | NIT | | | # | 125 |
| Actual Forces Location of Well: 970 feet from the Probability Formation Ground level Elev. Discharge Across 1 1990 feet from the Probability Formation 1973 feet from the Probability Formation 1974 fe | Unit Letter | 1 | , . | i | • | | | County | | |
| Ground level Elev. Subscious fermation From the Part of the Subscious fermation From the Part of the Subscious fermation Advit Da Kota Loudine the sterage declicated to the subject well by colored peccil or hardware marks on the plat below. 2. If more than one lease of different envernship is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royshly). 3. If more than one lease of different envernship is dedicated to the well, have the interest of all owners been consolidated by communication, force pooling, etc.? Yes I've No I've No I've subscious which have actually been consolidated. (The reverse side of this form if secretary. Positionally will be subjected to the well small all interests have been consolidated (by communication, unalization, force-pooling, or otherwise) or small a non-standard unit, eliminating such interest have been consolidated (by communication, unalization, force-pooling, or otherwise) or small a non-standard unit, eliminating such interest have been consolidated (by communication, unalization, force-pooling, or otherwise) or small a non-standard unit, eliminating such interest have been consolidated (by communication, unalization, force-pooling, or otherwise) or small a non-standard unit, eliminating such interest have been consolidated (by communication, unalization, force-pooling, or otherwise) OPERATOR CERTIFICATION I hereby certify that the laformation contained after the interest have laformation or should be such that the laformation of the standard and being! SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plated from fall notes or actual surveys made by the more under an order of the best of my boundards on home or other plated from fall notes or actual surveys made by the more under the standard of the standard of the short of the standard of the | 1 — | 1 | 31 NORT | Н | - 6 N | IES I | NMP | <u>M</u> | RIU AR | RIBA |
| Grand level live. 6447 Delicated Accept: 1. Outline the accepted dedicated to the subject well by colored peccil or hardure marks on the plat below. 2. If more than one lease of different revership it dedicated to the well, base the interest of all owners been consolidated by communitation, minimization, force-pooling, etc.? If more than one lease of different revership it dedicated to the well, have the interest of all owners been consolidated by communitation, minimization, force-pooling, etc.? Yes | 1 - | | NORTH | 17 | | 1190 | | | FAST " | |
| 1. Outline the acreage declicated to the subject well by colored percil or hashure marks on the plat below. 2. If more than one leans it declicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one leans of different ownership is declicated to the well, have the interest of all owners been consolidated by communitation, unitination, force-pooling, etc.? Yes | Ground level Elev. | | Formation | Pra | 10 | | 166(170) | n une | | Acreage: |
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| 3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, force-pooling, etc.? Yes | 1. Outlin | | | colored pencil or | hathure man | ks on the pist | below. | | | |
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