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Bureau of Land Management
Farmington Field Office

In Lieu of
Form 3160
(June 1990)

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135

SUNDRY NOTICE AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION TO DRILL" for permit for such proposals

5. Lease Designation and Serial No.
SF-078766

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 X Gas Well Other

8 Well Name and No.
ROSA UNIT #59

2. Name of Operator
WILLIAMS PRODUCTION COMPANY

9. API Well No.
30-039-23270

3. Address and Telephone No.
PO BOX 3102 MS 25-4, TULSA, OK 74101 (918) 573-3046

10. Field and Pool, or Exploratory Area
BASIN DAKOTA

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1120' FSL, 1560' FWL, SE/4 SW/4, SEC 25, T31N, R06W

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	
X Notice of Intent	Abandonment	Change of Plans
Subsequent Report	Recompletion	New Construction
Final Abandonment	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off
	Altering Casing	Conversion to Injection
	Ξ Other P&A	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.)*

SEE ATTACHED FOR CONDITIONS OF APPROVAL

for modified P&A procedure

RCVD NOV 13 '09
OIL CONS. DIV.
DIST. 3

Please see attached for P&A Procedure:

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

Signed Larry Higgins For Rachel Lippard Title Engineering Technician II Date November 10, 2009

(This space for Federal or State office use)

Approved by Jim Lovato Title Petr. Eng Date 11/12/09

Conditions of approval, if any:

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

NMOCD

PLUG AND ABANDONMENT PROCEDURE

10/30/09

Rosa Unit #59

Basin Dakota / Undesignated Gallup
1120' FSL & 1560' FWL, Section 25, T31N, R6W
Rio Arriba County, New Mexico API #30-039-23270
Long: _____N / Lat: _____W

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class B, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. This project requires the Operator to obtain an approved NMOCD C-144 CLEZ Closed-Loop System Permit for the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.

2. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.

3. Rods: Yes _____, No __X__, Unknown _____;
   Tubing: Yes __X__, No _____, Unknown _____, Size __2.375"__, Length __7966'__;
   Packer: Yes __X__, No ____, Unknown _____, Type __Mt States Arrowset 1 Retrievable____.
   If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.

4. **Plug #1 (Dakota perforations and top, 7817' – 7717')** Set 4.5" CR at 7817'. TIH with open-ended tubing. Load casing with water and circulate well clean. Pressure test tubing to 800 PSI. Mix 12 sxs cement and spot a plug inside casing above the CR to isolate the Dakota interval. TOH with tubing.

5. **Plug #2 (Gallup perforations and top, 6886' – 6355')** Set 4.5" CR at 6886'. TIH with open-ended tubing. Load casing with water and circulate well clean. Pressure test casing to 500#. *If casing does not test, then spot or tag subsequent plugs as necessary.* Mix 45 sxs cement and spot a plug inside casing above the CR to isolate the Gallup perforations and top. PUH.

4211' - 4111'

6. **Plug #3 (Mesaverde top, ~~5450~~' – ~~5350~~'):** Mix 12 sxs cement and spot a balanced plug inside casing to cover the Mesaverde top. PUH.

3256' - 2414' 66

6. **Plug #4 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, ~~3256~~' – ~~2522~~'):** Mix ~~90~~ sxs cement and spot a balanced plug inside casing to cover the PC, Fruitland, Kirtland, and Ojo Alamo tops. PUH.

1221 - 1121'

7. **Plug #5 (Nacimiento top, ~~1368~~' – ~~1266~~'):** Mix 12 sxs cement and spot a balanced plug inside casing to cover the Nacimiento top. PUH.

8. **Plug #6 (13.325" surface casing, 467' - Surface):** Connect the pump line to the bradenhead valve and attempt to pressure test the BH annulus to 300 PSI; note the volume to load. If the BH annulus holds pressure, then establish circulation out casing valve with water. Mix approximately 40 sxs Class B cement and spot a balanced plug inside the casing from 467' to surface, circulate good cement out casing valve. TOH and LD tubing. Shut well in and WOC. If the BH annulus does not test, then perforate at the appropriate depth and attempt to circulate cement to surface filling the 4.5" casing from 467' and the BH annulus to surface. Shut well in and WOC.

See attached COAs

9. ND BOP and cut off casing below surface. Install P&A marker with cement to comply with regulations. RD, move off location, cut off anchors and restore location.

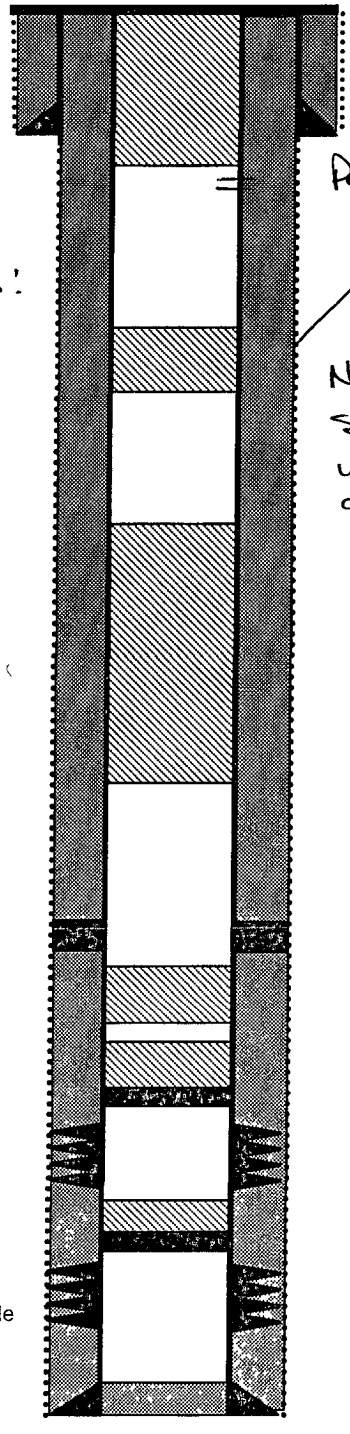
Rosa Unit #59

Proposed P&A

Basin Dakota / Undesignated Gallup
1120' FSL & 1560' FWL, Section 25, T-31-N, R-6-W
Rio Arriba County, NM / API #30-039-23270
Lat: _____ / Long: _____

Today's Date: **10/30/09**
Spud: 10/21/83
Comp: 7/26/84
Elevation: 6400' Gl
6413' KB

17.5" Hole



TOC @ Surface, (Calc, 75%)

13.325", 48#, H-40 Casing set @ 417'
480 cf cement, circulated to surface,

Perf @ 467' + Spot cmt in/out to 0'

Plug #6: 467' – 0'
Class B cement, 40 sxs

BLM tops:

TOC by TS @ ± 1200'

1221' – 1121'

Nacimiento @ 1316' *est @ 1171'

Plug #5: ~~1366'~~ – ~~1266'~~
Class B cement, 12 sxs

No perf req'd since water quality in the Ojo, Nc + SJ are < 5,000 ppm.

2414'

Ojo Alamo @ 2572' *est @ 2464'

Plug #4: 3256' – ~~2522'~~
Class B cement, ~~60~~ 66 sxs

Kirtland @ 2702' *est @ 2601'

Fruitland @ 3032' @ 2958'

Pictured Cliffs @ 3206' @ 3210'

Chacra Equiv. @ 4161'

4211' – 4111'

DV Tool @ 5246'
Cemented with 3309 cf

Plug #3: ~~5450'~~ – ~~5350'
Class B cement, 12 sxs

TOC at DV Tool (Calc, 75%)

Mesaverde @ 5400'

Set CR @ 6886'

Plug #2: 6886' – 6355'
Class B cement, 45 sxs

Gallup @ 6405'

Gallup Perforations:
6936' – 7520'

Plug #1: 7817' – 7717'
Class B cement, 12 sxs

Set CR @ 7817'

Dakota @ 7911'

7.875" Hole

Dakota Perforations:
7867' – 8018'

4.5", 11.6#, K-55 Casing @ 8090'
Cemented with 1404 cf

TD 8090'
PBTD 8039'

Rosa Unit #59
Current

Basin Dakota / Undesignated Gallup
1120' FSL & 1560' FWL, Section 25, T-31-N, R-6-W
Rio Arriba County, NM / API #30-039-23270
Lat: _____ / Long: _____

Today's Date: **10/30/09**
Spud: 10/21/83
Comp: 7/26/84
Elevation: 6400' Gl
6413' KB

17.5" Hole

TOC @ Surface, (Calc, 75%)

13.325", 48#, H-40 Casing set @ 417'
480 cf cement, circulated to surface,

Nacimiento @ 1316' *est

Ojo Alamo @ 2572' *est

Kirtland @ 2702' *est

Fruitland @ 3032'

Pictured Cliffs @ 3206'

2.375" tubing at 7966'.
(255 jts, 4.7#, J-55 EUE, with packer at 7615')

DV Tool @ 5246'
Cemented with 3309 cf

TOC at DV Tool (Calc, 75%)

Mesaverde @ 5400'

Gallup @ 6405'

Gallup Perforations:
6936' – 7520'

Mt States Arrowset 1 Retrievable packer at 7615'

Dakota @ 7911'

7.875" Hole

Dakota Perforations:
7867' – 8018'

4.5", 11.6#, K-55 Casing @ 8090'
Cemented with 1404 cf

TD 8090'
PBTD 8039'

• Conditions of Approval:
Proposed P&A

Note:
BLM's Geologist formation top picks vary slightly from the Operators. The following modifications are made to your plug and abandonment program to address these variations and also to include a modified surface casing shoe plug (records indicate a top of cement by temperature survey at +- 1200' on the 4 ½" production casing string).

1) Plug #3, Due to off-setting gas production in the Chacra Equivalent sands, your proposed Mesaverde plug must be moved up to 4211' – 4111'. This will satisfy isolation of the Mesaverde.

2) Plug #4, must be extended from 3256' – 2414' to cover the top of the Ojo Alamo (@ 2464'). An estimated 66 sxs of cement will be required for this plug extension.

3) Plug #5, must be spotted from 1221' – 1121' to cover the Nacimiento formation top (@ 1171').

4) Plug #6, BLM records indicate that the TOC behind the 4 ½" casing string is 1200' based on a temperature survey. As such, perforate the 4 ½" casing at 467' and spot cement inside and outside to a minimum depth of 367'. Spot cement inside and outside the 4 ½" casing from 50' to the surface. Note: these plugs may be combined if circulation to surface is established

Note:

All plugs must utilize 100% excess cement for plugs placed outside the pipe and 50' excess for plugs placed inside the pipe.

If casing leaks are identified after pressure testing to a minimum of 500#, please contact this office for possible modifications to this proposal.