

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

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

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME Rosa Unit
2. NAME OF OPERATOR <i>NWP</i> C/o Williams Production Company		8. FARM OR LEASE NAME Rosa Unit
3. ADDRESS OF OPERATOR 300 W. Arrington - Suite 020 - Farmington, NM 87401		9. WELL NO. #25
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1140' FSL & 1700 FWL		10. FIELD AND POOL, OR WILDCAT Blanco Mesa Verde
14. PERMIT NO.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 15, T31N, R6W
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6148' GR		12. COUNTY OR PARISH Rio Arriba
		13. STATE NM

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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

Williams Production Company plans to P&A the subject well as per the attached procedure.

FILED
NOV 15 1991
CON. 1991
6148'

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

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

SIGNED *Mike Turnbaugh*
Mike Turnbaugh

(This space for Federal or State office use)

TITLE Production Superintendent

DATE 11-15-91

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

*See Instructions on Reverse Side

APPROVED
NOV 21 1991
DATE
AREA MANAGER
FARMINGTON RESOURCE AREA

DATA SHEET

WELLNAME: Rosa unit #25 MV

FIELD: Blanco Mesa Verde

LOCATION: SE/4 SW/4 Sec. 15, T31N R06W

ELEVATION: 6148'GR KB = 11'

COUNTY: Rio Arriba STATE: New Mexico

TOTAL DEPTH: 5630'

DATE COMPLETED: 7/57

CASING RECORD	CASING SIZE	WT. & GRADE	DEPTH SET	CEMENT	TOP CEMENT
Surface	10-3/4"	32.75# H-40	244'	232 sx	SURFACE
Intermediate	7-5/8"	26.4# K-55	3430'	250 sx	2251' (calc)
Production	5-1/2"	14# J-55	5630'	200 sx	3333' (CIRC)

WELLHEAD EQUIPMENT Casinghead: 10" 600 McEvoy
Spool: N/A

Tubinghead: 10" 600 X 6" 600 McE
Bonnett: 6" 600 X 2-3/8"

TUBING EQUIPMENT: None

FORMATION TOPS	Depth	Formation	Depth
Ojo Alamo	2188'	Cliff House	5121'
Kirtland	2292'	Menefee	5242'
Fruitland	2809'	Point Lookout	5460'
Pictured Cliffs	2980'		
Lewis	3360'		

LOGGING RECORD: Gamma Ray, Neutron, Multi-Spaced Neutron

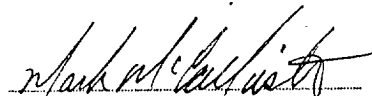
PERFORATIONS: 5234'- 40', 5266'- 70', 5370'- 74', 5380'- 84', 5410'- 16', 5466'- 84'
5492'- 5500', 5506'- 16', 5520'- 32', 5540'- 48', 5550'-60' w/ 2spf

STIMULATION: 1 Stage Frac:CH, Men & PL - 130,200 gallons of water, no sand and 200 balls.

PRODUCTION HISTORY: IP - 2619 MCF/D, Cumulative production = 658 MMCF,
Estimated remaining reserves = 242 MMCF. Last production - 10/86.
In 1987 a workover was attempted. The 1-1/4" tubing had parted and
43 jts. were recovered without fishing. After six days of fishing
an additional 10 jts were recovered. 119 jts. remain in hole
inside the liner. A cement retainer was set at 2980' and the well
was TA'd.

ROSA UNIT #25 MV
P&A PROCEDURE

1. Dig blow pit.
2. MOL RU Service Unit.
3. Hold safety meeting and discuss procedure.
4. PU stinger on 2-3/8" tubing and TIH. Sting into cement retainer @ 2980'.
5. Establish a rate into perforations and squeeze perforations with 50 sx. class "B" and spot 40 sx of class "B" and 175 sx of class "B" 65/35 poz w/ 12% gel in liner. and across top of liner. Sting out of retainer and leave 5 sx on top of retainer.
6. Spot 9#/gal mud to 2240' (50 below base of Ojo Alamo).
7. Run CBL and determine TOC behind 7-5/8" casing.
8. Perforate 50' above TOC and set a cement retainer at 2140' (50' above top of Ojo Alamo).
9. Squeeze with 100% excess to circulate cement 100' above top of Ojo Alamo and leave 7-5/8" casing full of cement to cement retainer and 5 sx on top of retainer.
10. Run a temperature survey after 8 hrs. WOC to determine TOC behind 7-5/8" casing.
11. Spot 9#/gal mud to 300' (50 below surface casing shoe).
12. Perforate 2 .50" holes at 300'.
13. Squeeze with class "B" cement until the surface casing valve circulates. Leave 7-5/8" casing full of cement to the surface.
14. ND BOP, cut-off wellhead and install P&A marker. Clean up location and seed according to BLM specifications.


Mark McCallister
Sr. Engineer
Production & Drilling

file:#25rop&a

WELLBORE DIAGRAM

NOVEMBER 7, 1991

WELLBORE DIAGRAM

WELL COMPLETED 7/57

ROSA UNIT #25 MV

SE/4 SW/4 SEC. 15, T31N, R06W
RIO ARRIBA CO, NM.

ELEV.: 6148' GR
KB = 11'

CASINGHEAD: 10"600 McEVOY
TUBINGHEAD: 10"600 X 6"600 McEVOY
(6-5/16" BORE)
BONNETT: 6"600 X 2-3/8"

TOPS:

OJO ALAMO: 2188'
KIRTLAND: 2292'
FRUITLAND: 2809'
PICTURED CLIFFS: 2980'
LEWIS: 3360'
CLIFF HOUSE: 5121'
MENELEE: 5242'
POINT LOOKOUT: 5460'

XXXXXXXXXX CEMENT RETAINER @ 2980'

LINER TOP @ 3333'

7-5/8" 26.4# J-55 @ 3430'

119 Joints of 1-1/4"
tubing lost in hole.

Cement retainer @ 5075'

5234'

PERFORATIONS

5560'

PBTD @ 5627'

5-1/2" 14# J-55 @ 5630'

FRAC:

1) 130,200 GALLONS OF WATER
NO SAND. 200 BALLS

CASING STRING	HOLE SIZE	CASING SIZE	CEMENT	CEMENT VOLUME	TOP OF CEMENT
SURFACE	13-1/2"	10-3/4"	232 sx	374 cu.ft.	Surface
INTERMEDIATE	9-7/8"	7-5/8"	250 sx	443 cu.ft.	2251' *
PRODUCTION	6-3/4"	5-1/2"	200 sx	236 cu.ft.	3333' ** 20 sx

* ALL CEMENT VOLUMES ARE REDUCED BY THE EQUIVALENT OF A 75% EXCESS TO CIRCULATE TOPS.

** REVERSED OUT CEMENT AT LINER TOP.

WELLBORE DIAGRAM

WELL COMPLETED 7/57

ROSA UNIT #25 MV
P & A

SE/4 SW/4 SEC. 15, T31N, R06W
RIO ARRIBA CO., NM

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KB = 11'

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TUBINGHEAD: 10"600 X 6"600 McEVOY
(6-5/16" BORE)
BONNETT: 6"600 X 2-3/8"

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ELEV.: 6148' GR
KB = 11'
10-3/4" 32.75# H-40 @ 244'
PERFORATE 50' BELOW SURFACE CASING SHOE
9#/GAL
MUD
CEMENT RETAINER @ 2140' (50' ABOVE TOP OF OJO ALAMO)
PERFORATE 50' ABOVE TOC
9#/GAL
MUD
CALCULATED TOC @ 2251'
SPOT CEMENT PLUG TO 50' ABOVE FRT.
CEMENT RETAINER @ 2980'
LINER TOP @ 3333'
7-5/8" 26.4# J-55 @ 3430'
5234'
PERFORATIONS
5560
5-1/2" 14# J-55 @ 5630'
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** REVERSED OUT CEMENT AT LINER TOP.

UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA
1235 LA PLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401

Attachment to Notice of

Re: Permanent Abandonment

Intention to Abandon

Well: 25 Rosa Unit

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal Leases."
2. Mark Kelly with the Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 326-6201.
3. Blowout prevention equipment is required.
4. The following modifications to your plugging program are to be made (when applicable):

Bring cement on top of reclaimer @ 2980 to 2759'
(50' above top of Fruitland)

Office Hours: 7:45 a.m. to 4:30 p.m.

GENERAL REQUIREMENTS FOR
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES
FARMINGTON RESOURCE AREA

1. Secure prior approval either on a Sundry Notice (Form 3160-5) or verbally from the Fluids Drilling & Production Section at this office before changing the approved plugging program.
2. Plugging equipment used shall have separate mixing and displacement pumps and a calibrated tank to assure proper displacement of plugs. The Operator is responsible for providing all measuring devices needed to assure proper measurement of materials being used.
3. A proper tank or pit will be used to contain all fluids pumped from the well during plugging operations. Unattended pits are to be fenced.
4. All cement plugs are to be placed through tubing (or drillpipe) and shall be a minimum of 100 feet in length with 50% excess inside casing or 100% excess when plug is set in open hole or squeezed into perforations. 15.6#/gal slurry weight is to be used when using class B neat cement or when CaCl_2 is used. Use the recommended slurry weight of other type cements when they are used (Class C, Pozzolan etc.).
5. Any cement plugs placed when well is not full of fluid, or when well may be taking fluid, (i.e. across perfs-unless bridge plug or retainer is used, across bad csg., or fresh water formations) will be tagged (touched) after cement has set to verify proper location.
 - 5a. Testing The first plug below the surface plug shall generally be tested by either tagging the plug with the working pipe string, or pressuring to a minimum pump (surface) pressure of 1000 psig, with no more than a 10 percent drop during a 15-minute period (cased hole only). If the integrity of any other plug is questioned, it must be tested in the same manner. Also, any cement plug which is the only isolating medium for a fresh water interval or a zone containing a valuable mineral deposit should be tested by tagging with the drill string.
6. Mud must be placed between plugs. Plugging mud is to be made up with a minimum of 15 lbs/bbl of sodium bentonite, and a nonfermenting polymer. Minimum consistency of plugging mud must be 9 lbs/gal and with a minimum viscosity of 50 sec/qt. Fresh water is to be utilized for mixing mud.
7. Following the placement of a cement plug, the withdrawal rate for at least the length of the cement plug shall not exceed 30 ft/min, in order to minimize the contamination of the plug.

8. Within 30 days after plugging work is completed, file a Sundry Notice (Subsequent Report of Abandonment, Form 3160-5), in quintuplicate with Area Manager, Bureau of Land Management, 1235 La Plata Highway, Farmington, NM 87401. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. Show date well was plugged.

9. All permanently abandoned wells are to be marked with a regulation marker (4" pipe extending 4' above the ground line) containing the information as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10. After plugging work is completed the surface is to be rehabilitated in accord with instructions from the Fluids Surface Management Section of the Farmington Resource Area Office.

All above are minimum requirements. The period of liability under the bond of record will not be terminated until the lease is inspected and surface work approved.

Please advise this office when the well location is ready for final inspection.

Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1.

You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.