

STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

Form C-103  
Revised 1-1-89

OIL CONSERVATION DIVISION

P O BOX 2088  
SANTA FE, NEW MEXICO 87508-2088

Submit 3 copies to  
Appropriate District Office

DISTRICT 1  
POBox 1980, Hobbs, NM 88240  
DISTRICT 2  
PODrawer DD, Artesia, NM 88210  
DISTRICT 3  
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO.  
30-039-25493

5. Indicate Type of Lease STATE ☒ FEE ☐

6. State Oil & Gas Lease No. E-289

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" (FORM  
C-101) FOR SUCH PROPOSALS)

7. Lease Name or Unit Agreement Name

ROSA UNIT

1. Type of Well: OIL WELL ☐ GAS WELL ☒ OTHER ☐

2. Name of Operator WILLIAMS PRODUCTION COMPANY

8. Well No. #148

3. Address of Operator PO BOX 3102, TULSA, OK 74101

9. Pool Name or Wildcat MESAVERDE/DAKOTA

4. Well Location

Unit Letter G : 445 Feet From The SOUTH Line and 2460 Feet From The EAST Line

Section 2 Township 31N Range 6W NMPM RIO ARRIBA COUNTY

10. Elevation (Show whether DF, RKB, RT, GR, etc.)  
6326' GR

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPINIONS ☐ PLUG AND ABANDONMENT ☐  
CASING TEST AND CEMENT JOB ☐ OTHER **COMP OPERATIONS** ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

7-26-95 MIRUSU.

7-27-95 Tag FC @ 8048' KB. Roll hole with 200 bbls of 2% KCL water with rig pump.

Continued on Page 2

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Susan Griguhn TITLE PRODUCTION CLERK DATE September 11, 1995

TYPE OR PRINT NAME SUSAN GRIGUHN TELEPHONE NO. (801) 584-6879

(This space for State Use)

APPROVED BY Original Signed by FRANK T. CHAVEZ TITLE SUPERVISOR DISTRICT # 3

DATE SEP 18 1995

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED  
SEP 18 1995

OIL CON. DIV.  
DIST. 3

*Rosa Unit #148*  
*Continued from Page 1*

7-28-95 PT csg. to 3000 psi-held OK. Spot 500 gal 15% HCL across DK perfs. PT csg to 6500 psi. PT held OK. Perf DK as follows w/ 3-1/8" csg gun: 7891', 7895', 7899', 7904', 7934', 7938', 7943', 7948', 7953', 7958', 7977', 7992', 8003', 8012'. Total 14 holes (.36"). RU tree saver and break down DK perfs w/ 1000 gal 15% HCL. BJ established a rate of 21 BPM @ 3180 psi. ISIP=1850 psi (prior to pumping acid) Dropped 21 ball sealers, had good ball action and total ball off at 6500 psi. RD tree saver. RIH w/ junk basket and recover 9 balls w/ 6 hits. Frac DK w/ 62 Q Foam and 106,100# (93,260# 20/40 Ottawa, 12,840# Super DC Resin coated sand). AIR=26.0 BPM. ATP=4200 psi. MIR=27.6 BPM. MTP=4,380 psi. ISIP=3000 psi, 5 min=2400 psi. Total fluid to recover: 947 bbls.

8-01-95 Pressure test to 6500#, held OK.

8-02-95 Perf PLO at 5612', 5620', 5624', 5628', 5632', 5637', 5641', 5645', 5648', 5658', 5667', 5672', 5676', 5680', 5684', 5689', 5698', 5706', 5710', 5725', 5742', 5748', 5775', 5803', 5887', 5891', 5908', and 5967'. Total of 28 (0.32") holes. Breakdown PLO with 1000 gal of 15% HCl and 42 ball sealers. Complete ball off to 4000#. Retrieved 25 balls with 25 hits. Frac PLO with a 4200 gal. pad of 65% nitrogen foam followed by 130,000# of 20/40 sand at 1-5 ppg in a 65% nitrogen foam. All fluid contained 20#/1000 gal linear gel. Job complete at 1120 hrs 8/1/95. ISIP = 360#, 15 min. = 0#. AIR = 44 BPM, ATP = 2250#, MIR = 47 BPM, MTP = 2420#. Total fluid = 854 bbls. Set RBP at 5604' and dumped 0.7 cu.ft. of sand on top of plug. TIH and spot 500 gal of 15% HCl across CH/MEN. TOH. Pressure test to 6500#, held OK. Perf CH/MEN at 5324', 5364', 5368', 5401', 5429', 5437', 5460', 5467', 5474', 5521', 5525', 5530', 5534', 5544', 5548', 5555', 5566', 5570', 5574', and 5578'. Total of 20 (0.32") holes. Broke down with 1000 gal of 15% HCl and 30 ball sealers. Complete ball off to 4000#. Retrieved 30 balls with 21 hits. Fraced CH/MEN with a 5400 gal pad of 65% nitrogen foam followed by 82,100# of 20/40 sand at 1-4 ppg in a 65% nitrogen foam. Fluid contained 20#/1000 gal linear gel. Job complete at 1940 hrs 8/1/95. ISIP = 810#, 15 min = 0#. AIR = 41 BPM, ATP = 3000#, MIR = 45 BPM, MTP = 3800#. Total fluid = 728 bbls.

8-11-95 Flow CH/Men thru 2". 2 hr pitot test = 1,064 MCFD.

8-14-95 Obtain 19 hr pitot test - CH/Men/PLO production has stabilized at 3.1 MMCFD.

8-16-95 RIH w/ Baker Model "D" production packer on wireline. Set packer 10' below casing collar at 6115' KB.

8-17-95 Dakota: Ran 241 jts (7969') of 1-1/2" 2.9# J-55 EUE 10rd as follows - 1/2 mule on bottom, SN (1.375"ID @ 7967') on top of bottom jt, 56 jts of tail pipe. 5 seal units, 183 jts of tubing, 1-4' & 1-10' pup and one full joint on top. Landed @ 8001' KB.

Mesa Verde: Ran 187 jts (5857') of 1-1/4" 2.33# IJ tubing as follows - Orange peeled perf nipple on bottom, SN (1.062"ID @ 5839') on top of bottom jt and 186 jts of tubing. Landed @ 5882' KB.