

District I
1625 N. French Dr., Hobbs, NM 87240
District II
811 South First, Artesia, NM 87210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

WELL API NO. 30-045-30874
5. Indicate Type of Lease STATE ☒ FEE ☐
State Oil & Gas Lease No. 120782

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER _____		7. Lease Name or Unit Agreement Name ROSA UNIT	
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER _____		8. Well No. 150B	
2. Name of Operator WILLIAMS PRODUCTION COMPANY		9. Pool name or Wildcat BLANCO MV	
3. Address of Operator P O BOX 3102, MS 25-1 TULSA, OK 74101			
4. Well Location Unit Letter <u>D</u> : <u>1120</u> Feet From The <u>NORTH</u> Line and <u>880</u> Feet From The <u>WEST</u> Line Section <u>32</u> Township <u>32N</u> Range <u>06W</u> NMPM SAN JUAN County			
10. Date Spudded 11/11/01	10. Date T.D. Reached 11/22/01	11. Date Compl. (Ready to Prod.) 05/08/02	12. Elevations (DF& R(B. RT, GR, etc.) 6309' GR
14. Elev. Casinghead			
15. Total Depth 7971'	16. Plug Back T.D. 7949'	17. If Multiple Compl. How Many Zones? <u>2</u>	18. Intervals Drilled By Rotary Tools X Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name Blanco MV 4633' - 5873'			20. Was Directional Survey Made Yes
21. Type Electric and Other Logs Run CBL, GR-N			22. Was Well Cored

23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10 3/4"	40.5#	257'	14 3/4"	250 sx	
7 5/8"	26.4#	3534'	9 7/8"	850 sx	
24. LINER RECORD					
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	
5 1/2"	0'	7971'	340 sx		
25. TUBING RECORD					
SIZE	DEPTH SET	PACKER SET			
2 1/16"	5855'	5925'			
26. Perforation record (interval, size, and number) CH/Menefee: 4633', 68', 71', 5035', 50', 5230', 76', 79', 5309', 69', 72', 75', 79', 82', 5433', 35', 38', 40', 58', 61', 63', 66', 76', 79', 83', 92', 96', 98' & 5504'. Total of 29 (0.38") holes Point Lookout: 5557', 61', 64', 72', 74', 82', 84', 89', 92', 95', 5600', 03', 06', 09', 13', 17', 33', 39', 44', 51', 61', 65', 5714', 44', 60', 96', 5814', 67' & 73'. Total of 29 (0.38") holes			27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 4633' - 5504' 80,000 20/40 Sand in 1856 bbls slick water 5557' - 5873' 80,000 20/40 Sand in 1800 bbls slick water		

28. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)			Well Status (Prod. or Shut-in)		
Date of Test 05/23/02	Hours Tested 3 hrs	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF 415	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press. 250	Casing Pressure 860	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF 3321	Water - Bbl.	Oil Gravity - API - (Corr.)	
29. Disposition of Gas (Sold, used for fuel, vented, etc.) To be sold						Test Witnessed By	
30. List Attachments							
31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief							
Signature <u>Tracy Ross</u>		Printed Name <u>TRACY ROSS</u>		Title <u>Production Analyst</u>		Date <u>05/31/02</u>	

Submit 3 Copies
To Appropriate
District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

DISTRICT II
811 South First, Artesia NM 88210

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

WELL API NO. 30-045-30874
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. 120782
7. Lease Name or Unit Agreement Name: ROSA UNIT
8. Well No. 150B
9. Pool name or Wildcat BLANCO MV/BASIN DK

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)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other ☐	2. Name of Operator WILLIAMS PRODUCTION COMPANY
3. Address of Operator P O BOX 3102, MS 25-1, TULSA, OK 74101	4. Well Location (Surface) Unit letter D : 1120 feet from the NORTH line & 880 feet from the WEST line Sec 32-32N-06W SAN JUAN, NM
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 6309' GR	

Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DRILLING OPNS.	PLUG AND ABANDONMENT
PULL OR ALTER CASING		CASING TEST AND CEMENT JOB	
OTHER:		OTHER: COMPLETION 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.

04/23/2002 MIRU rig & spot equip. NDWH, NU BOPs swing & blooie line. C/O to run 2 3/8" tbg. Tally in w/4 3/4" bit, BS & 255 jts 2 3/8" tbg to flt clr @ 7949'. RU power swivel, pump, pit & flowback manifold. SWFN

04/24/2002 Travel to loc, hold safety mtg. Circ hole clean from 7949', (PBTD) w/180 bbls 2% KCl. Set pkr @ 30', RU BJ. Pressure test csg to 6000 psi & held. Release pkr, LD same. Bit @ 7922' (bottom perf), spot 250 gals 15% HCl acid across Dakota interval. TOOH w/bit. Perforate Dakota top down in acid 1 spf w/3 1/8" SFG, .32" dia, 14.3" pen & 10 grm chgs @ the following intervals: 7786', 88', 93', 94', 7829', 36', 40', 44', 46', 53', 55', 89', 95', 97', 7920' & 22' all shots fired (16 holes total) RD BWWC. ND stripper head & swing. SI & SDFN

Continued on back

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

SIGNATURE Tracy Ross TITLE: Production Analyst DATE: April 24, 2002

Type or print name TRACY ROSS Telephone No: (918) 573-6254
(This space for State use)

APPROVED BY CHARLES T. PERNA

BY _____ TITLE _____

Conditions of approval, if any:

MAY 28 2002
DATE

04/25/2002 RU BJ, hold safety mtg. Pressure test lines. Breakdown Dakota @ 4780 psi, est inj rate of 26 bpm @ 5000 psi, ISIP = 2200 psi. Acdz Dakota w/500 gals 15% HCl acid & 25 balls, ball off @ 6000 psi. Recover 19 balls w/15 hits. Frac Dakota w/4500 lbs 100 mesh ahead & 74,000 lbs 20/40 Acfrac resin coated sand carried in a 20Q Vistar foam. Cut sand short on 3 ppg, screen out 6 bbls short of flush. MIR = 37 bpm, AIR = 30 bpm, MTP = 6080 psi, ATP = 5040 psi, ISIP = 6080 psi, job complete @ 1300 hrs. RU choke to tree saver, bleed well down to 3600 psi. ND tree saver. RD BJ, RU flowback manifold. Flowback on 1/8" choke

04/26/2002 Flowback Dakota on 1/8" choke (24 hrs), returns broken gel, N2 & no sand. Starting flowback pressure @ 1400 psi, ending pres @ 800 psi

04/27/2002 Flowback Dakota on 1/8" choke (16 hrs), returns broken gel, N2 & no sand. Starting flowback pressure @ 800 psi, ending pres @ 600 psi. Flowback on 1/4" choke (8 hrs), ret's broken gel, N2 & trace sand, starting pres @ 600 psi, ending pres @ 425 psi

04/28/2002 Flowback Dakota on 1/4" choke (6 hrs) starting pres @ 425 psi, ending pres @ 750 psi. Open on 2" @ 0600 hrs. Travel to loc, hold safety mtg. NU swing & stripper head. TIH & tag 60' of fill @ 7889' (4 perfs covered). CO to 7949' (PBTD) w/5 bph air/soap/inhibitor mist, run two 6 bbl sweeps. Blow well w/air only. TOO H w/bit. Flow natural. Gauge well on 2" open line, all gauges lt mist = 634 mcf/d. ND swing & stripper head, drain lines. SI & SDFN

04/29/2002 SICP = 1380 psi, blow well down. WL set 5 1/2" composite BP @ 5925', ND lubricator, NU stripper head. TIH open ended to 5925'. RU BJ, circulate hole clean w/fresh water. Pressure test csg to 3600 psi & held. LD 2 jts, EOT @ 5873', spot 500 gals 15% HCl acid across Point Lookout, TOO H w/tbg. Perforate Point Lookout top down in acid 1 spf w/3 1/8" SFG, .32" dia, 14.3" pent & 10 grm chgs @ the following intervals: 5557', 61', 64', 72', 74', 82', 84', 89', 92', 95', 5600', 03', 06', 09', 13', 17', 33', 39', 44', 51', 61', 65', 5714', 44', 60', 96', 5814', 67' & 73' all fired, 29 holes total. ND stripper head, NU frac Y, drain lines. SI & SDFN

04/30/2002 RU BJ, hold safety mtg & pres test lines. Acdz Pt.Lo w/1000 gals 15% HCl acid & 60 balls, ball off @ 3440 psi. Recover 31 balls w/27 hits. Frac Pt.Lo w/80,000 lbs 20/40 Az & 1800 bbls fw, MIR= 105 bpm, AIR= 104 bpm, MTP= 3560 psi, ATP= 3450 psi, ISIP=420 psi. WL set 5 1/2" composite BP @ 5530'. Pres test BP to 3600 psi & held. Perforate CH/Men bottoms up under 2000 psi 1 spf w/3 1/8" sfg, .32" dia, 14.3" pen & 10 grm chgs @ 4633', 68', 71', 5035', 50', 5230', 76', 79', 5309', 69', 72', 75', 79', 82', 5433', 35', 38', 40', 58', 61', 63', 66', 76', 79', 83', 92', 96', 98' & 5504' (29 total). Acdz CH/Men w/1000 gals 15% HCl acid & 60 balls, ball off @ 3400 psi. Recover 60 balls w/28 hits. Frac CH/Men w/80,000 lbs 20/40 Az & 1856 bbls fw, MIR= 106 bpm, AIR= 104 bpm, MTP= 3520 psi, ATP= 3430 psi, ISIP= 580 psi, job complete @ 1400 hrs. RD BJ, ND frac Y, RU rig floor, NU swing & stripper head. TIH w/4 3/4" mill to 4660', RU swivel. Unload well w/air only. Flow natural overnight, evaporate pit

05/01/2002 Tag 38' of fill @ 5492'. Break circ w/15 bph air/soap/corrosion inhibitor mist. CO to BP @ 5530', run two 6 bbl sweeps. Blow well w/air only. Flow natural, gauge well on 2" open line, all gauges med mist = 2326 mcf/d. Break circ w/15 bph a/s/ci mist, mill off top of BP. Let well unload. Mill on & push bttm 1/2 of BP to 2nd BP @ 5925'. Blow well w/air only. PU mill to 4660', turn over to flowback, flow natural & evaporate pit

05/02/2002 Tag 22' of fill @ 5904'. Break circ w/15 bph air/soap/corrosion inhibitor mist. CO to BP @ 5925', run two 6 bbl sweeps. Blow well w/air only. Flow natural, gauge well on 2" open line, all gauges 17 psi & med mist = 2326 mcf/d. Break circ w/15 bph a/s/ci mist, mill off top of BP @ 5995'. Mill on & push bottom 1/2 of BP to PBTD @ 7949'. Blow well w/air only, service rig. PU mill to 5925', turn over to flowback, flow natural & evaporate pit

05/03/2002 TIH & tag 7' of fill @ 7942'. Break circ w/15 bph air/soap/CI mist. CO to pbtd @ 7949', run two 6 bbl sweeps. Blow well w/air only. Flow natural, gauge well on 2" open line, all gauges med mist = 2684 mcf/d. RD power swivel. PU mill to 7700'. Service yellow dog, turn over to flowback, flow natural & evaporate pit

05/04/2002 TIH & tag 4' of fill @ 7945'. TOO H laying down w/2 3/8" workstring. ND stripper head, NU lubricator head. RU Black Warrior WL, WL set 5 1/2" mod-D production pkr @ 6000'. NU swing & stripper head. Spot in tbg flts w/long & short production strings. C/O to run 2 1/16" tbg. - SI & SWFN - (off Sunday)

05/06/2002 SICP = 850 psi, blow well down. Tally in w/2 1/16" prod tbg (long string). Space out & land tbg in pkr w/10000 lbs compression as follows: 1/2 mule shoe, 1 jt 2 1/16" tbg, 1.50" s/n, 58 jts 2 1/16" tbg, seal bore assembly w/5 seals, 183 jts 2 1/16" tbg, 4' 3' pup jts & 1 jt 2 1/16" tbg, landed @ 7925' kb w/ 243 jts total. NU offset spool, c/o rams. Tally in w/short string, land in hanger @ 5855' kb as follows: 6' perf sub, 1 jt 2 1/16" tbg, 1.50" s/n & 177 jts 2 1/16" tbg (178 ttl). RD swivel & floor, ND BOP's, NUWH, pres test WH. Pump out long & short string plugs, recover load wtr. SI & SDFN

05/07/2002 Blow well down, NDWH, NU BOP's, swing & offset spool. TOO H w/short string. TOO H w/long string, tbg went on a vacuum when picked up off bttm, (24' of fill). C/O seals on SBA. TIH w/long string. Kill well, make numerous attempts to land hanger in tbg head (2 hrs). Land long string in pkr w/10,000 lbs compression as follows: 1/2 mule shoe, 1 jt 2 1/16" tbg, 1.50" s/n, 56 jts 2 1/16" tbg, seal bore assembly w/5 seals, 183 jts 2 1/16" tbg, 4' & 3' pup jts & 1 jt 2 1/16" tbg, landed @ 7860' kb (241 jts total). ND offset spool, c/o rams. TIH & land short string in hanger @ 5855' kb as follows: 6' perf sub, 1 jt 2 1/16" tbg, 1.50" s/n & 177 jts 2 1/16" tbg 178 jts total. ND swing & BOP's. NUWH, pressure test WH to 2800 psi & held. SI & SDFN

05/08/2002 Pump out long string plug @ 1250 psi, pump out short string plug @ 800 psi. Flow Dakota & MV, recover load wtr. RD rig & equip. Release Rosa 150B to production. Final report