

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

Form C-103

Revised 1-1-89

OIL CONSERVATION DIVISION

1000 BRAZOS RD.
AZTEC, NM 87410

Submit 3 copies to
Appropriate District Office

DISTRICT 1
P O Box 1980, Hobbs, NM 88240
DISTRICT 2
P O Drawer DD, Artesia, NM 88210
DISTRICT 3
1000 Rio Brazos Rd., Aztec, NM 87410

RECEIVED
FEB 22 1999
OIL CONSERVATION DIVISION
DIST. 3

WELL API NO. 30-039-24361	
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEED <input type="checkbox"/>	
6 State Oil & Gas Lease No. E-289-41	
7. Lease Name or Unit Agreement Name ROSA UNIT	
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 <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	
2. Name of Operator WILLIAMS PRODUCTION COMPANY	
8. Well No. 239	
3. Address of Operator P O BOX 3102, TULSA, OK 74101	
9. Pool Name or Wildcat BASIN FRUITLAND COAL	
4. Well Location Unit Letter N : 835 Feet From The SOUTH Line and 2510 Feet From The WEST Line Section 2 Township 31N Range 6W NMPM RIO ARRIBA COUNTY	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 6346' GR	
CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
NOTICE OF INTENTION TO:	
SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> OTHER Sidetrack and Caviate <input checked="" type="checkbox"/>
REMEDIAL WORK <input type="checkbox"/> COMMENCE DRILLING OPERATIONS <input type="checkbox"/> CASING TEST AND CEMENT JOB <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/> OTHER <input type="checkbox"/>
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. Williams Production Company plans to sidetrack and cavitate this well as per the attached procedure. Estimated start date is April 1, 1999.	
I hereby certify that the information above is true and complete to the best of my knowledge and belief.	
SIGNATURE <u>Susan Griguhn</u> TITLE <u>CLERK</u> DATE <u>February 11, 1999</u>	
TYPE OR PRINT NAME <u>SUSAN GRIGUHN</u> TELEPHONE NO. <u>(918) 561-6254</u>	
(This space for State Use) ORIGINAL SIGNED BY ERNIE BUSCH DEPUTY OIL & GAS INSPECTOR, DIST. 3 DATE <u>MAR 4 1999</u>	
APPROVED BY _____ TITLE _____ CONDITIONS OF APPROVAL, IF ANY	

✓

WILLIAMS PRODUCTION COMPANY
SIDETRACK & CAVITATION PROGNOSIS

Purpose: To sidetrack and cavitate this Fruitland Coal zone.

1. Prepare location, reserve pit, bank, and test anchors prior to rig move. Line pit.
Notify BLM 24 hours to moving in.
Spot all tanks. Spot air package.

Notify BLM 24 hours to moving in.
2. MIRUSU. Nipple up pneumatic actuated BOP's, 2 blooie lines, pneumatic working valves and 2 - 7" blooie lines. Anchor blooie lines securely. Test BOP's. Fill rig tank with produced water. Do not filter water unless necessary.
3. Rig up air package, 1800 cfm minimum.
4. TOOH w/ tubing and LD.
5. Set cmt retainer above liner top or above perms. Sting into retainer.
6. Establish rate and squeeze perms below retainer and 10' above retainer with class "B" cement..

SIDETRACK

Objective

KICK OFF ABOVE UPPER PERFS INSIDE CASING OR ABOVE LINER TOP INSIDE
INTERMEDIATE. DRILL TO TD.
LAND NEW LINER FROM KICKOFF POINT TO TD

7. On wireline set CIBP at kickoff depth just above a casing collar at a point with good cement bond preferably.
8. Pick up Whipstock(anchorstock) slide assembly and starter mill. TIH with DP, Drill Collars and one joint high grade drill pipe below drill collars. Refer to manufacturer's specs for all recommended milling weights, number of drill collars and RPM.
Tool length=16 1/2", Anchorstock whip=8' length, 3° whip face angle
9. Set bottom of slide assembly at by applying pressure down drill string. Approximately 3500 psi. May need pump truck.
10. Shear off from slide assembly. Approximately 45,000 psi over drag weight. Begin milling with starter mill.

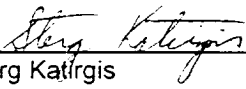
Mill as per manufacturer's recommended procedure. Circulate with water.
 - a. Run starter mill with joint of high grade drill pipe, S-135, below drill collars. Drill approx. 16".
 - b. Run window mill with joint of drill pipe below drill collars. Mill length of whip face plus 10' into formation.
 - c. Run window mill and watermelon mill on drill collars. Make several passes through window to clean up burrs. Ream until smooth with no drag.

11. Displace water with gas. Take deviation surveys until 6°-8° is reached. TOH.
12. Do not rotate a bit or stabilizer down the whip face.
13. TIH with " bit, near bit stabilizer and drill collars. Drill enough hole depth to pass the packed BHA through window. TOH.
14. TIH with bit and packed bottom hole assembly (stiff) on DP to maintain deviation. Displace water with gas. Continue normal drilling operations to TD taking frequent surveys. TOH.
15. Blow wellbore clean and check for fill. TOH.
LDDP and collars.
16. Pickup drill pipe and bit and clean out to TD.

CAVITATION

17. Run 5 to 10 bbl sweeps using 1 GPD soap if necessary.
18. PU bit inside casing. Pressure up hole to 2500 psi (maximum pressure) then open to atmosphere. Repeatedly pressure up and surge well. Do natural surges also.

Record any breaks. Record accurate buildup pressure and choke gauges after each cycle. Repeat until gas production no longer increases, 2 – 3 weeks.
19. TOH.
20. PU liner on DP. Run in with JGS liner hanger with left hand threads and L A set shoe on bottom of liner. Rotate down if necessary. Land liner with 100' overlap casing. TOOH w/ DP and LD.
21. PU tbg and land near bottom perf.
22. ND BOP and NU wellhead. Shut well in for buildup.
23. Clean up location and release rig.



Sterg Katirgis
Senior Engineer