

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

1000 BRAZOS RD.
AZTEC, NM 87410

Form C-103

Revised 1-1-89

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

WELL API NO. 30-039-24367	
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No. E-346-19	
7. Lease Name or Unit Agreement Name ROSA UNIT	
8. Well No. 243	
9. Pool Name or Wildcat BASIN FRUITLAND COAL	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 6375' 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"/>	REMEDIAL WORK <input type="checkbox"/> COMMENCE DRILLING OPERATIONS <input type="checkbox"/> CASING TEST AND CEMENT JOB <input type="checkbox"/>
PLUG AND ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> OTHER <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/> OTHER CAVITATION <input checked="" 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. 4-07-1999 MIRU 4-08-1999 RU and NU stack, pressure test, LD 2 3/8" tubing, PU DP 4-09-1999 Catch liner, work free and COOH, LD liner, TIH w/ 9 1/2" underreamer and underream from 3060'-3195', circulate hole clean, work underreamer into 7" casing 4-10-1999 COOH, LD underreamer, TIH, tag @ 3140', CO 3140'-3192', dry well, flow test through 3/4" choke (max 160 mcf/d), SI test- 340 psi in 2 hrs, surge natural w/ 2 hr SI's Continued on back side	
I hereby certify that the information above is true and complete to the best of my knowledge and belief.	
SIGNATURE <u>Tracy Ross</u>	TITLE <u>PRODUCTION ANALYST</u> DATE <u>May 14, 1999</u>
TYPE OR PRINT NAME <u>TRACY ROSS</u>	TELEPHONE NO. <u>918/573-6254</u>
ORIGINAL SIGNED BY CHARLIE T. PERRIN (This space for State Use) APPROVED BY _____ CONDITIONS OF APPROVAL, IF ANY: _____	
DEPUTY OIL & GAS INSPECTOR, DIST. #3 TITLE _____ DATE <u>MAY 20 1999</u>	

4-11-1999 Release last of 6 natural surges, 2 hr SI pressure max-360 psi, TIH, tag bridge @ 3107', CO to 3180', returns-hvy 3/8" coal in black wtr, pump sweeps each 1/2 hr, hvy coal returns on sweeps reducing to lite coal, coal fines between sweeps, CO 3180'-3195' (TD) returns-med to lite coal on sweeps, lite coal fines between sweeps, dry well, flow test through 3/4" choke (232 mcf)

4-12-1999 Flow test through 3/4" choke-145 mcf, surge 9 times w/ air and wtr to 1500 psi, returns-coal and fines, plug bit on last surge, COOH and TIH to CO, CO 290'-3147', returns-hvy 3/8" coal to fines in black wtr

4-13-1999 CO to TD-well making hvy 3/8" coal to fines in black sometimes viscous wtr

4-14-1999 CO to TD, flow test through 3/4" choke (max 247 mcf), surge w/ air and wtr to 1400 psi.

4-15-1999 Surge 5 times w/ air and wtr to 1500 psi, well bridged on last surge, TIH, CO bridge @ 2905', tag fill 3082', CO to 3149', hole tight @ 3144'-3149', returns hvy 3/8" coal to fines in dark brown wtr

4-16-1999 CO to TD, returns-hvy 1/4" coal to fines in black to brown wtr reducing to lite coal fines, dry well, flow test through 3/4" choke (493 mcf), surge well 3 times w/ air and wtr.

4-17-1999 Surge 4 times w/ air and wtr, returns-coal fines in gray wtr, TIH, 5' fill on bottom, CO @ TD, returns-lite 1/8" coal to fines in gray wtr, dry well, flow test through 3/4" choke (507 mcf), surge 2 times w/ 2 hr natural build up to 260 psi.

4-18-1999 Surge twice w/ natural build up to 260 psi, COOH, surge 2 times w/ air and wtr to 1350 psi, 1st surge returns-1/4" coal to fines in black wtr, 2nd surge returns-3/4" coal to fines in black wtr then steam and the blooie lines got too hot to touch, pumped 25 bbl wtr down hole and SI, TIH, tag @ 3052', push something down hole 3', could not get past, COOH, TIH w/ tapered mill.

4-19-1999 TIH w/ taper mill, mill through 7" casing shoe, COOH, recovered 22" long by 1 1/4" to 1 3/4" by 5/16" thick sliver of metal, metal has been in the hole since the original completion, TIH w/ mill tooth bit, tag @ 3064', CO 3064'-3149', returns-hvy 1/4" coal and shale (85/15) to fines in dark gray wtr

4-20-1999 CO 3118'-3180' w/ 1800 scf air and varying amounts of mist per hr, well pressures up due to sloughing formation above bit, have to LD 1 jt DP sometimes, returns-hvy 3/8" coal and shale (90/10 to 50/50) in black to brown wtr

4-21-1999 CO 3180'-3194', returns-med to lite 1/4" coal and shale (90/10) in gray wtr, dry well, flow test through 3/4" choke (334 mcf), pull 20 stands, surge 5 times to 1350 psi, hvy coal returns on surges, got hot water and steam back on last surge

4-22-1999 Surge 2 times w/ air and mist to 1400 psi, returns-coal and wtr, hot water and steam on last surge, cool well bore down w/ water, TIH, tag and work on junk in casing @ 3020', COOH, left one cone in hole, probably spun it off while surging, TIH w/ bit # 3, try to wash coal from under cone to open hole, no progress, COOH, WO junk mill

4-23-1999 TIH w/ bladed junk mill, tag @ 3025'. Mill 1', tag @ 3036'. COOH, mill was cored in center w/ 2 1/2" dia core. TIH w/ tapered mill, mill would bind up. COOH. TIH w/ concave mill, tag @ 2945'. Mill and push junk down hole to 3035'. Milling @ 3025'.

4-24-1999 Mill iron inside 7" casing from 2945'-3050' (7" casing shoe), COOH w/ mill, TIH w/ 6 1/4" bit, could not get past tight spot @ 3037', COOH, TIH w/ tapered mill

4-25-1999 TIH w/ tapered mill, dress 3' interval 3039'-3042', COOH, TIH w/ 6 1/4" bit, work through tight spot @ 3039', CO from 7" shoe @ 3050'-3147', returns-hvy 1/4" coal and shale (70/30) to fines in black to dark gray wtr.

4-26-1999 CO 3116'-3147' w/ 1800 scf air and 5 bph mist w/ 3-5 bbl wtr sweeps hourly, returns-hvy 1/4" coal and shale (80/20) to fines in dark gray wtr, 5 gal sample catcher filling in 15 min

4-27-1999 CO to 3149', returns-med to hvy coal and shale (80/20) to fines in dark gray wtr, rig repair

4-28-1999 Rig repair, rig off payroll @ 0700 hrs, air compressors on standby

4-29-1999 Rig Repair for 19 hrs, CO 3116'-3147', returns-hvy 1/4" coal and shale (80/20) in black wtr

4-30-1999 CO to TD, returns reducing to lite 1/4" coal and shale in dark gray wtr, dry well, flow test through 3/4" choke (max 348 mcf), TIH, tag 3040' and 3149', CO to TD, tight hole, LD 1 jt, CO to TD, tight hole, LD 1 jt, CO 3149'-3180', returns-hvy to med 1/4" coal and shale (80/20) to fines in dark gray wtr. Gauge @ 348 mcf.

5-01-1999 CO to TD, LD DC's, run 6 jts 5 1/2" liner (269.58') 17#, N-80, USS w/ bladed guide shoe set @ 3194 and TIW JGS liner hanger @ 2929', liner set down @ 3149', attempt to wash to bottom, liner stuck for 2 hrs, work free, circulate and rotate to bottom, hang liner and release setting tool, COOH, LD setting tool, TIH, LDDP, RU Blue Jet and perforate the intervals 3072'-3078', 3122'-3158', 3152'-3158' and 3183'-3194' w/ 4 spf, .75" holes

5-02-1999 Change rams, RU floor to PU tubing, PU and run tubing, reran 100 jts 2 3/8" (3162.97') 4.7#, J-55 EUE 8rd tubing w/ expendable check on bottom and 1.81" ID F-nipple one jt up @ 3130', ND BOP, NU master valve, pump off expendable check, RD