

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION

Form C-103

Sundry Notices and Reports on Wells

API NO. (assigned by OCD)

1. Type of Well
GAS

5. Type of Lease
State

2. Name of Operator
Southland Royalty Company

6. State Oil & Gas Lease #
K-5737

3. Address of Operator
PO Box 4289, Farmington, NM 87499

7. Lease Name/Unit Name
Rattlesnake Canyon

4. Well Location
1185'S, 1185'E
Sec. 32, T-32-N, R-8 -W : NMPM San Juan County

8. Well No.
102

9. Pool Name or Wildcat
Fruitland Coal

10. Elevations
6547 'GR

11. Intent to/Subsequent Report of :

12. Describe proposed or completed operations:

Workover per attached

RECEIVED
APR 1 1990
OIL CON. DIV.
DIST. 3

SIGNATURE

[Handwritten Signature]

Regulatory Affairs

4-10-90
Date

(This space for State use)

APPROVED BY Original Signed by FRANK I. CHAVEZ
CONDITION OF APPROVAL, IF ANY:

TITLE

SUPERVISOR DISTRICT #

APR 1 1990
DATE

053433

ON LINE

NO. 100-100
C. 100

Rattlesnake Canyon #102

03-04-90 MOL&RU. Ran gge ring in 2 7/8" atbg, tag @ 3381'. Set mandrel @ 3356'. NU BOP.

03-05-90 Try to pull tbg, stuck. Ran free point. TIH w/chemical cutter @ 3154'. TOO H w/98 jts 2 7/8" tbg, left 7 jts in hole. TIH w/5 3/4" overshot. Tag fish @ 3154'. Released fish @ overshot, pumped hole clean. Re-engaged and jarred on fish, made 5'.

03-06-90 Jar on fish. Tag fill @ 3203', lost 107'. Jar on fish. TIH w/chemical cutter, tag @ 3203', cut @ 3202'.

03-07-90 Circ 9.8 ppg mud. POOH w/part of fish. Circ 9.8 ppg mud @ liner top. Try to screw into liner, failed. TIH w/csg spear, could not spear. Start TOO H, hole started gassing, mud cut to 8.5 ppg. TIH, circ out gas & cond. mud. POOH w/csg spear.

03-08-90 TIH, milled 13" of sleeve on hanger. Circ & cond mud @ 3185'. TOO H. TIH w/csg. spear. Engaged 5 1/2" hgr. Jarred liner up hole 8'6".

03-09-90 Jar on hgr, no movement. Rel. off hanger. POOH w/spear. TIH, milled 6". Circ hole w/9.8 ppg mud. TIH w/csg spear. Circ above hanger w/mud. Latch on fish, jarred down 2'.

03-10-90 Jar on liner & hgr, no movement. Release grapple, circ clean. TOO H, wash over to 3227'. TOO H. TIH w/overshot, engaged fish @ 3183'. TOO H, LD 14' tbg. TIH.

03-11-90 Wash over coupling @ 3227 & 3259'. CL to 3289'. Circ hole clean. TIH w/overshot, engaged fish @ 3195'. TOO H w/1 jt 2 7/8" tbg. TIH, engage fish @ 3227'. TOO H, no fish. Pump in mud.

03-12-90 TIH w/basket grapple, engage fish @ 3227'. TOO H, LD 1 jt 2 7/8" tbg. TIH latch onto tbg @ 3259'. Jar on fish, came free. TOO H, LD fish. TIH, mill coupling @ 3289'. Washed down to 3321'.

03-13-90 Mill tbg coupling @ 3321'. CO to 3352', tbg started sliding down hole, circ. clean. TIH w/overshot, engage fish @ 3291'. Pulled 5000# over, came free. TOO H, had 1 jt. TIH w/overshot, engaged fish @ 3322', pulled 8000# over, came free. Recovered 2 jts, F nipple, expend. check housing. TIH, mill on liner hgr.

03-14-90 Mill on hgr. Circ hole. POOH, LD mill. TIH w/csg spear, circ hole. Engage fish, move down hole 2'.

03-15-90 Release spear. Circ out gas cut mud. TIH, circ w/wtr to pit, tag fill @ 3356'. Drl out hard coal, fine coal fill 3356-3395'. Drill 3395-3401', work back to 3395'. Circ to pit w/wtr @ 3395'.

03-16-90 Blow to pit. Work 3350-95'. Circ w/wtr. Circ w/air & wtr. Blow to pit.

03-17-90 Blow to pit.

03-18-90 Blow to pit. Pull into 7". SI for build up. Circ to pit. TIH, CO w/wtr, bridges 3301-32', 3357', 3370-84'. Blow to pit.

03-19-90 Blow to pit @ 3395'.

03-20-90 Blow to pit. Circ hole w/wtr. Load hole w/9.2 ppg mud @ 3395'. Increase to 9.7 ppg mud. TOO H w/DP, tbg & bit. PU 5 1/2" csg spear, TIH.

03-21-90 TIH w/spear, circ w/9.7 ppg mud. Catch liner, jarred, no movement. Released spear, circ @ 3150'. TOO H w/spear. TIH w/mechanical cutter, made cut @ 3208'. TOO H. TIH w/5 1/2" csg spear to 3150'. Circ, returns 9.2-9.3 ppg gas cut mud.

03-22-90 Circ hole @ 3150'. Jar on liner, came free. TOO H w/30' of 5 1/2" csg. TIH w/5 1/2" mechanical cutter, cut @ 3303'. TOO H. TIH w/spear to 3190'. Circ hole clean. Engage fish @ 3207'. Jarred, came free. TOO H, recovered 96.72' of 5 1/2", 23.# P-110 liner. TIH w/spear @ 3290'. Circ & cond.

03-23-90 Circ & cond @ 3290'. Wash, try to catch fish @ 3303'. POOH. TIH w/spear, bridges 3255-3303'. Circ & cond. TOO H, no fish, no grapple. TIH, drl past liner stub @ 3303'.

03-24-90 Drl to 3438', 5 1/2" stub @ 3303', junk 3308-3310'. Circ hole clean. Tih, CO to 3438'. Circ & cond. Short trip into 7", displace mud w/wtr. CO to 3330' w/wtr.

03-25-90 Work hole to 3340' got stuck. circ w/wtr. worked free, pulled

03-26-90 into 7" csg. Work sloughing hole 3250-3310', then 3275-3314'. CO sloughing hole @ 3275-3297'. TIH, tag bridge @ 2180'. CO to 2503', unloaded. Washed to 3340'. Stuck pipe, worked back up into 7", worked to 3314'.

03-27-90 Blow to pit w/air & wtr. Wash @ 3313'. Drld to 3325'. Ran sweeps, worked pipe to 3331', stuck pipe, LD 1 jt, pulled to 3310'. Tag junk @ 3313'. Ran sweeps. Wash & ream, CO to 3381'.

03-28-90 Drld 3381-3438'. Pull into 7" @ 3250', circ. TIH, tag liner top @ 3313'. Tag junk & tight hole 3328-3343', bridge @ 3375'. CO to TD. Circ on btm. Work pipe. Pull into 7" @ 3050', circ, wash to btm, hole very tight. PU to free point @ 3371'. Wash & work back to btm, very tight. Circ on btm.

03-29-90 Circ on btm, rotate & work pipe. Pull into 7" to 3100' to circ. Work & wash to btm, very tight 3321-43'. Circ on btm, stuck pipe, worked to 3309' free point.

03-30-90 Circ hole @ 3333'. POOH, hole bridged off, no flow. TIH w/bit, tag bridge @ 3278', junk @ 3313'. Wash to 3328'. TOOH. TIH w/mill, tag bridge @ 3281'. Wash thru bridge, work tight hole @ 3309', mill to 3337'. Stuck pipe due to junk beside mill. PU to 3309'. Free.

03-31-90 Mill on junk @ 3333'. Hole packing off above w/coal. Pulled to 3275', free. Circ out. TIH, try to mill on junk @ 3321', hole heaved, stuck pipe. Pull to 3275', circ out. TIH, try to mill @ 3321', hole heaved, stuck. Pull to 3275'. Try to mill on junk @ 3321', hole unloading. Pull into 7" @ 3150', circ out w/wtr. Displ.hole w/mud @ 3150'.

04-01-90 Circ hole, partial returns w/9.6 ppg mud. Try to mill on junk, lost 750 bbls. mud total. Pull into 7" csg. TIH, bridge @ 3258'. Wash to 3321', mill on junk, well gassing. Circ hole w/9.5 ppg mud. Killed well.

04-02-90 Mill on junk 3315-21'. Quit drlg, well kicked, unloaded. Pull into 7" @ 3150', circ hole. Circ hole w/9.4 ppg mud, killed well. POOH. TIH to 3150'. Circ w/9.4 ppg mud. TIH, tag liner top @ 3303', junk @ 3309', work to 3340'. Lost 120 bbls. mud.

04-03-90 Tight hole @ 3340', work free, pull to 3278', worked back to 3330'. Hole very tight. Pull into 7" csg, work pipe to 3330, very tight, work to 3341'. PU & work pipe to 3371', very tight, bridged off, worked free. LD 1 jt to 3330', Hole tight 3325-30'. PU 1 jt, work pipe to 3356', very tight, LD 1 jt, work pipe 3309-41'. Tight 3313-30', Work stuck pipe @ 3325'.

04-04-90 Work stuck pipe @ 3325', circ w/9.2 ppg mud, worked free. Pull to base of 7", gassing, circ out gas. TOOH. TIH, tag tight spot @ 3270', very tight @ 3330', work to 3356', very tight, work to 3370'.

04-05-90 CO 3370-3412', very tight, worked stuck pipe free, pull to 3320'. CO 3329-66', very tight. Work stuck pipe @ 3356', circ.

04-06-90 Try to circ out gas, pumped 80 bbls. 9.6 ppg mud. Ran free point, stuck @ 3382', backed off @ 3196'. TIH, tag free @ 3196', screwed into fish, worked free, pulled 5 jts to base of 7" csg. Circ hole w/mud. TOOH, LD fish.

04-07-90 LDDP & DC. TIH w/107 jts 2 7/8", J-55, 6.5# tbg, landed @ 3275'. F nipple @ 3245'. ND BOP. NU WH. SI well. Released rig.