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811 South First, Artesia NM 88210

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1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-103
Revised 1-1-89

WELL API NO.

30-039-29581

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement
Name:

ROSA UNIT

8. Well No.

332A

9. Pool name or Wildcat

BASIN FRUITLAND COAL

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-103) 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 25-2, TULSA, OK 74101

4. Well Location (Surface)

Unit letter E : 1570 feet from the NORTH line & 925 feet from the WEST line Sec 22-31N-06W RIO ARRIBA, NM

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

6266' 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

PULL OR ALTER CASING

CASING TEST AND CEMENT JOB

ABANDONMENT

OTHER:

OTHER: Completion

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.

08-24/25-2005 MIRU, NU BOP stack and blooie lines. Secure location for the night, 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: SR. Production Analyst DATE: February 21, 2006

Type or print name TRACY ROSS

Telephone No: (918) 573-6254

(This space for State use)

APPROVED

BY

H. Sclanua

TITLE

DEPUTY OIL & GAS INSPECTOR, DIST. #3

DATE

FEB 27 2006

Conditions of approval, if any:

08-26-2005 CO rams in BOP, from top to bottom as follows: - 2 7/8" pipe, 4 3/4" DC, 2 7/8" pipe & blind rams on bottom. Load wellbore w/produced water, test BOP & csg to 1500# for 15 min, test good. TIH with 6 1/4" button bit, bit sub, 8-4 3/4" spiral DC, 2-4 3/4" slick DC, X0, 88 jts 2 7/8" AOH DP and tag cmt @ 3073' KB (MD). 42' of cmt to drill out to 7" csg shoe @ 3115' KB (MD). LD single jt. PU & RU pwr swivel and stiff arm's. (Knight on loc to service and replace fitting's on pwr swivel unit). PU single jt & MU. Establish circulation w/produced water & start drilling cmt from 3073' to 3120'. Return's of cmt, lcm and rubber from csg shoe. Circulate wellbore until clean. LD 1 jt of DP, MU TIW valve and secure well and location for the night. SDFN.

08-27-2005 Drain & clean out cmt return's on rig pit before drilling into coal, fill pit with clean produced water. Tie back on one line before drilling open hole. Install weight indicator on drilling line. RU mud logger for drill out. Swap out pump's and RU. PU & MU 2 jts, TIH to 3120'. Est circ, start drilling Fruitland coal. WOB = 4K TO 6K, RPM = 60 TO 70. Drill from 3120' to 3274'. Mud logger called TD. (154', avg=18.66 FPH). Circ until clean, had return's of LCM, shale, coal and metal shaving's. Showing some torque on pwr swivel. RD and release mud logger's. 31' of total coal. TOOH to 3088'. Install TIW valve, SDFN.

08-28-2005 200# on csg, bleed off to flare pit. Est circ w/1500 scfm air only and unload wellbore @ 3088', start mist @ 10 bph, 1 gal foamer per 20 bbl of produced water. Circ & clean f/3088' to 3274' TD (MD). Tag 25' of solid fill. Return's of fine coal cutting's. Pump 2 bbl sweep and cut mist & dry up f/10 min, bypass air. LD 6 single jt. RD pwr swivel, RU on 2 line's. TOOH w/bit to surface and break out. (trip time is longer due to training w/crew on proper & safe way to trip drill pipe, drill collar's and using manual tong's) PU & MU 6 1/4" bit, Knight 6 1/4" X 9 1/2" under reamer. TIH w/10 4 3/4" DC & 1 jt 2 7/8" AOH to 351' and stop. RU and replace (change out) drilling line. Continue TIH to csg shoe @ 3115'. Install TIW valve and SDFN.

08-29-2005 900# on csg. RU pwr swivel, RU weight indicator to drilling line Est circ w/air mist, 1500 scfm @ 12 BPH mist using 1 gal foamer per 20 bbl of produced water. Start under ream f/3125' to 3272'. WOB-2K TO 3K, RPM-70, circ pressure @ 450#. LD 7 single jts w/pwr swivel on cat walk. RD pwr swivel & load out on pwr unit. TOOH w/Knight under reamer, break out & load. Change out 4 3/4" ram's to blind ram's for surging form surface. Put tool's away. Crew off loc. Air & safety men to take over. Shut in to start pwr surge. Pump 5 bbl pad, start w/air and mist at 12 BPH to 300#, 5 bbl pad to 600#.

08-30-2005 SI f/pwr surge, (5 bbl pad, air mist-12bph to 300#, 5bbl pad, air mist to 600#). Surge to pit, return's of light coal dust. SI f/pwr surge, pump 5 bbl pad followed by 1500 scfm air, 12 bpm mist w/1 gal foamer per 20 bbl of produced water to 300#, another 5 bbl pad followed by air mist to 600#, 5 bbl pad followed by air mist to 900#. Surge to pit, return's of light coal dust. SI for natural build up of 700#. Surge to pit, return's of light coal dust. MU 6 1/4" bit, bit sub w/float, 10 DC and 2 7/8" AOH & TIH, tag fill @ 3254' (20' of fill). RU pwr swivel. Est circ w/1500 scfm air, 12 bph mist and 1 gal foamer per 20 bbl of produced water and clean out to TD, ret's 1/4" and smaller coal = 40% and small 1/16" size shale = 60%. TOOH, LD 4 single jts. Bit @ 3126'. SI f/pwr surge. Pump 5 bbl pad followed by air mist (same as above) to 300#, 5 bbl pad-air mist to 600#, 5 bbl pad-air mist to 900#. Surge to pit, return's of light coal dust and fluid pumped during shut in, fluid pumped during build up is returning. Flow f/30 min. SI f/pwr surge. Pump 5 bbl pad followed by air mist (same as above) to 300#, 5 bbl pad-air mist to 600#, 5 bbl pad-air mist to 900#. Surge to pit, return's of light coal dust and fluid pumped during shut in, fluid pumped during build up is returning. Flow f/30 min. SI f/pwr surge. Pump 5 bbl pad followed by air mist (same as above) to 300#, 5 bbl pad-air mist to 600#, 5 bbl pad-air mist to 900#. Surge to pit, return's of light coal dust and fluid pumped during shut in, fluid pumped during build up is returning. Flow f/30 min. SI f/pwr surge. Pump 5 bbl pad followed by air mist (same as above) to 300#, 5 bbl pad-air mist to 600#, 5 bbl pad-air mist to 900#. Surge to pit, return's of light coal dust and fluid pumped during shut in, fluid pumped during build up is returning. Flow f/30 min. SI f/pwr surge. Pump 5 bbl pad followed by air mist (same as above) to 300#, 5 bbl pad-air mist to 600#, 5 bbl pad-air mist to 900#. Surge to pit, return's of light coal dust and fluid pumped during shut in, fluid pumped during build up is returning. Flow f/1 hr. SI f/pwr surge. Pump 5 bbl pad followed by air mist (same as above) to 500#, 5 bbl pad-air mist to 700#, 5 bbl pad-air mist to 900#. Surge to pit, return's of light coal dust and fluid pumped during shut in, fluid pumped during build up is returning. Flow f/1 hr. SI f/pwr surge. Pump 5 bbl pad followed by air mist (same as above) to 500#, 5 bbl pad-air mist to 700#, 5 bbl pad-air mist to 1000#. Surge to pit, return's of light coal dust and fluid pumped during shut in, fluid pumped during build up is returning. Flow f/1 hr. SI f/pwr surge. Pump 5 bbl pad followed by air mist (same as above) to 500#, 5 bbl pad-air mist to 700#, 5 bbl pad-air mist to 1000#.

08-31-2005 SI f/pwr surge (started buildup at 2315 hrs 8/30). Surge to pit. Return's of light coal dust and clean fluid pumped during buildup. Natural flow f/1 hr. SI f/pwr surge, pump 5 bbl pad followed by 1500 scfm air, 12 bph mist, 1 gal foamer per 20 bbl of produced water and 1 gal of shale treatment per 40 bbl of produced water to 500#, 5 bbl pad to 700#, 5 bbl pad to 1000#. Surge to pit. Return's of light coal dust and clean fluid pumped during buildup. Natural flow f/45 min. SI f/natural buildup-400# @ 0700 hrs. TIH & tag 78' of fill. Est circ w/1500 scfm air, 12 bph mist, 1 gal of foamer per 20 bbl of produced fluid, 1 gal of shale treatment per 40 bbl of produced water. Circ & clean out to TD. TOOH shoe, LD 4 jts, bit @ 3126'. Re-rig fitting for chart hose (was plugging up w/coal & shale). SI f/pwr surge. 5 bbl

pad-pressure to 500#, 5 bbl pad to 750#, 5 bbl pad to 1000#. Mist rate @ 12 bph, 1 gal foamer and 1 gal shale treatment per 20 bbl of produced water. Surge to pit. Return's of light coal dust and clean fluid pumped during buildup. Flow for 30 min w/air on. SI f/natural buildup to 220#. Surge to pit. Return's of light coal dust. Flow f/1hr, returning hvy foam. SI f/pwr surge, pump 5 bbl pad followed by 1500 scfm air, 12 bph mist, 1 gal foamer per 20 bbl of produced water and 1 gal of shale treatment per 40 bbl of produced water to 500#, 5 bbl pad to 700#, 5 bbl pad to 1000#. Surge to pit. Return's of light coal dust and fluid pumped during buildup, returning hvy foam. Flow f/3 hrs on its own. SI f/natural buildup to 500#. Surge to pit. Return's of light coal dust. Flow f/30 min, leave air on, returning hvy foam.

09-01-2005 SI f/pwr surge. 1500 scfm air, 12 bph mist w/1 gal of foamer and 1 gal of shale treatment per 20 bbl of produced water. Start 5 bbl pad to 500#, 5 bbl pad to 700#, 5 bbl pad to 1000#. Surge to pit. Return's of light coal dust and clean fluid pumped during buildup. Flow w/air on for 30 min. SI f/pwr surge. 1500 scfm air, 12 bph mist w/1 gal of foamer and 1 gal of shale treatment per 20 bbl of produced water. Start 5 bbl pad to 500#, 5 bbl pad to 700#, 5 bbl pad to 1000#. Surge to pit. Return's of light coal dust and clean fluid pumped during buildup. Flow w/air on for 30 min. TIH and tag 51' of fill @ 3274'. Est circ w/1500 scfm air and 12 bph mist w/1gal of foamer, 1 gal of shale treatment per 20 bbl of produced water. Circ & clean to 3274' TD. TOO H, bit @ 3126', 11' below csg shoe. SI f/pwr surge. 1500 scfm air, 12 bph mist w/1 gal of foamer and 1 gal of shale treatment per 20 bbl of produced water. Start 5 bbl pad to 500#, 5 bbl pad to 700#, 5 bbl pad to 1000#, 3 bbl pad to 1500#. Surge to pit. Return's of med coal dust and dark grey fluid. Flow f/30 min w/air on. SI f/pwr surge. 1500 scfm air, 12 bph mist w/1 gal of foamer and 1 gal of shale treatment per 20 bbl of produced water. Start 5 bbl pad to 500#, 5 bbl pad to 700#, 5 bbl pad to 1000#, 3 bbl pad to 1500#. Surge to pit. Return's of med coal dust, grey fluid and light coal fine's. Flow 1 hr w/air on. SI f/pwr surge. 1500 scfm air, 12 bph mist w/1 gal of foamer and 1 gal of shale treatment per 20 bbl of produced water. Start 5 bbl pad to 500#, 5 bbl pad to 700#, 5 bbl pad to 1000#, 3 bbl pad to 1500#. Surge to pit. Return's of med coal dust, dark grey to black fluid and light coal fine's. Flow 1 hr w/air on. SI f/pwr surge. 1500 scfm air, 12 bph mist w/1 gal of foamer and 1 gal of shale treatment per 20 bbl of produced water. Start 5 bbl pad to 500#, 5 bbl pad to 700#, 5 bbl pad to 1000#, 3 bbl pad to 1500#. Surge to pit. Return's of med coal dust, dark grey to black fluid and light coal fine's. Flow 1 hr w/air on. SI f/pwr surge. 1500 scfm air, 12 bph mist w/1 gal of foamer and 1 gal of shale treatment per 20 bbl of produced water. Start 5 bbl pad to 500#, 5 bbl pad to 700#, 5 bbl pad to 1000#, 3 bbl pad to 1500#. Surge to pit. Return's of med coal dust, dark grey to black fluid and light coal fine's. Flow 1 hr w/air on. SI f/pwr surge. 1500 scfm air, 12 bph mist w/1 gal of foamer and 1 gal of shale treatment per 20 bbl of produced water. Start 5 bbl pad to 500#, 5 bbl pad to 700#, 5 bbl pad to 1000#, 3 bbl pad to 1500#. Surge to pit. Return's of med coal dust, dark grey to black fluid and light coal fine's. Flow 1 hr w/air on. SI f/pwr surge. 1500 scfm air, 12 bph mist w/1 gal of foamer and 1 gal of shale treatment per 20 bbl of produced water. Start 5 bbl pad to 500#, 5 bbl pad to 700#, 5 bbl pad to 1000#, 3 bbl pad to 1500#. Surge to pit. Return's of med coal dust, dark grey to black fluid and light coal fine's. Flow 1 hr w/air on. SI f/pwr surge. 1500 scfm air, 12 bph mist w/1 gal of foamer and 1 gal of shale treatment per 20 bbl of produced water. Start 5 bbl pad to 500#, 5 bbl pad to 700#, 5 bbl pad to 1000#, 3 bbl pad to 1500#.

09-02-2005 Surge to pit. Return's of med coal fine's, 1/4" and 3/8" pieces of coal and black fluid. Flow f/1 hr w/air and 12 bph mist. Pump 4 bbl sweep and circ f/30 more min. SI f/pwr surge. Pump 5 bbl pad to 500#, 5 bbl to 750#, 5 bbl to 1000# & 3 bbl to 1500#. 1500 scfm air, 12 bph mist w/1 gal of foamer and 1 gal of shale treatment per 20 bbl of produced water. Surge to pit. Return's of med coal fine's, 1/4" and 3/8" pieces of coal and black fluid. Flow f/30 min w/air and 12 bph mist w/1gal of foamer and 1 gal of shale treatment per 20 bbl of produced water. SI f/ natural buildup. 500# on csg. Surge to pit. Return's of coal fine's, 1/4" and 3/8" pieces of coal. TIH & tag fill @ 3152', 122' of fill. Est circ w/1500 scfm air, 14 bph mist w/1 gal of foamer and 1 gal of shale treatment per 20 bbls of produced water. Circ & clean to 3274' TD. Return's of hvy coal fine's, 1/4", 1/2" and 3/4" pieces of coal. Pump two 3 bbl sweep's per connection followed by produced water pumped w/rig pump until cleaned up. LD 5 single jt to csg shoe. RD pwr swivel. TOO H to surface. Close blind ram's on bottom BOP. Change out 4 3/4" ram & install blind rams. Natural flow on primary blooie line. SI f/natural buildup. 650# on natural buildup. Surge to pit, return's of dry gas and hvy coal dust. Flow well for 2 hrs.

09-03-2005 SI f/natural build up. 600#. Surge natural to pit. Return's of hvy coal dust and dry gas. Natural flow f/2hrs. SI f/natural build up. 525#. Surge natural to pit. Return's of hvy coal dust, coal fine's and hvy mist w/foam. SI f/pwr surge. Pump 12 bph mist, 1 gal foamer and 1 gal shale treatment per 20 bbl of produced water. Pump 5 bbl pad to 500#, 5 bbl pad to 750# and 5 bbl pad to 1000#. Surge to pit. Return's of med to hvy coal fine's, 1/4" and 1/2" pieces of coal & dark gray foam. SI f/pwr surge. Pump 5 bbl pad to 500#, 5 bbl pad to 750# and 5 bbl pad to 1000#. Surge to pit. Return's of med to hvy coal fine's, 1/4" and 1/2" pieces of coal & dark gray foam. Take fitting's and hose off meter and clean coal fine's out, meter working properly. SI f/pwr surge. Pump 12 bph mist, 1 gal of foamer and 1 gal of shale treatment per 20 bbl of produced water. Pump 5 bbl pad to 500#, 5 bbl pad to 750# and 5 bbl pad to 1000#. Surge to pit. Return's of med coal fine's, mist and foam. Natural flow, surging light fluid and hvy foam. SI f/pwr surge. Pump 12 bph mist, 1 gal of foamer and 1 gal of shale treatment per 20 bbl of produced water. Pump 5 bbl pad to 500#, 5 bbl pad to 750# and 5 bbl pad to 1000#. Surge to pit. Return's of hvy coal fine's, 1/4" and 1/2" pieces of coal, surging light fluid and hvy foam. Shut well in and secure location until 9/6/05 am.

09-06-2005 Well has been shut in since 9/3/05 midnight. 700# on csg-natural buildup. Safety meeting w/crew & air hand. Surge to pit. Return's of med coal dust & light mist. TIH to csg shoe @ 3115'. RU on single line. RU pwr swivel & PU single jts. Tag fill @ 3167', have 107' of fill to clean out. Est circ w/1500 scfm air & 14 bph mist w/1 gal of foamer and 1 gal of shale treatment per 20 bbl of produced water. Start cleaning out fill. Good circulation and return's, cleaned out approx 16'. Pump 3 bbl sweep w/med return's of coal fine's and 1/4" coal pieces. Bypass air/mist to make connection. Well got tight-put air mist back on drill pipe and work pipe, lost circulation, std pipe pressure getting higher-bypass air/mist. Bit is 68' into open hole. RU on csg valve & go on line w/air-14 bph mist, put 10k on drill string, pressure up to 1000# seen approx 2'-of downward movement. Surge to pit and try to move pipe, have 4' to 5' of movement. Can rotate 3 to 4 turn's. Consult with Kelly McClellan, he came to location. Repeat pumping down csg 3 more time's, same result's. Decision made to put 800# on csg and shut in for the night. SI to let well bore to balance. Will try to move pipe when rig crew arrives in am.

09-07-2005 Well SI, giving wellbore time to balance. Stuck at present time. Bit is @ 3183', 68' into open hole. 850# on csg, 0# on drill pipe. Ck pipe f/movement-same as yesterday. Surge to pit using both blooie line's. Work & rotate pipe-have a little more movement. return's of med mist followed by hvy thick foam. SI and pressure up on csg to 800#. Sure to pit, return's of hvy mist & light coal fine's. Repeat 2 more time's same as above. Before surging last buildup on csg we lined up & went down drill string w/air mist then surged to pit- have movement and rotation, come up hole. Circulation is good. Pipe is free. Continue to circ and get 2 jts, LD. Circulate & clean out f/3120' to 3152' w/1500 scfm air, 14 bph mist w/1.5 gal of foamer and 1.5 gal of shale treatment per 20 bbl of produced water. Return's of med to hvy coal fine's to 1/4" coal & shale pieces-20% coal, 80% shale. Well bore has a tight spot f/3147' to 3152'. Good circulation. Make connection f/3152' to 3183'. Circulate & clean w/1500 scfm air, 14 bph mist w/1.5 gal of foamer and 1.5 gal of shale treatment per 20 bbl of produced water. Return's of hvy coal fine's and 1/4" pieces of coal. 80% coal with 20% shale. Make connection f/3183' to 3215'. Circulate & clean w/1500 scfm air, 14 bph mist w/1.5 gal of foamer and 1.5 gal of shale treatment per 20 bbl of produced water. Return's of hvy coal fine's and 1/4" pieces of coal. 80% coal with 20% shale. TOO H to csg shoe @ 3115'. Close pipe ram's & HCR valve's. RU 2" hardline f/csg valve and flow to pit. Line up on secondary blooie line and flare at pit (natural flow). 8' to 10' flare, returning light fluid.

09-08-2005 Line up on secondary blooie line and flare at pit (natural flow). 8' to 10' flare, returning light fluid. 4' flare @ blooie line. TIH f/csg shoe to 3215'. Est circ w/1500 scfm air, 14 bph mist w/1.5 gal of foamer and 1.5 gal of shale treatment per 20 bbl of produced water. return's of hvy fine w/some 1/4" pieces of coal and 15% being 1/4" and smaller pieces of shale. Circulate f/3183' to 3215' and run sweep's until light return's. Est circ w/1500 scfm air, 14 bph mist w/1.5 gal of foamer and 1.5 gal of shale treatment per 20 bbl of produced water. Return's of hvy fine w/some 1/4" pieces of coal and 10% being 1/4" and smaller pieces of shale. Circulate f/3215' to 3247' and run sweep's until light return's. Est circ w/1500 scfm air, 14 bph mist w/1.5 gal of foamer and 1.5 gal of shale treatment per 20 bbl of produced water. Return's of hvy fine w/some 1/4" pieces of coal and 10% being 1/4" and smaller pieces of shale. Circulate f/3247' to 3274' and run sweep's until light return's. LD 6 single jts. RD pwr swivel. RU on 2 line's. TOO H to surface. Change out 4 3/4" rams to blind's. RU 2" hard line to csg valve. SI f/4 hr nat f/surface buildup.

09-09-2005 SI f/4 hr nat buildup f/surface started @ 2030) = 600#. Surge to pit. Return's- hvy coal fine's & foamy fluid. Nat flow f/1hr. SI f/pwr surge f/surface. 5 bbl pad to 300#, 5 bbl pad to 600#. 5 bbl pad to 800#. Surge to pit. Return's same. Flow f/30 min. SI f/nat build up f/surface=550#. Surge nat f/csg shoe to pit. Return's same. TIH f/surface. Tag fill @ 3183' = 91' of fill. Est circ w/1500 scfm air, 12 bph mist, 1.5 gal of foamer & 1.5 gal of shale treatment. Clean out f/3183' to 3274' TD. Return's-hvy coal fine's, 1/16" & 1/4" coal. Trace of shale. TOO H to 3125'. SI f/2 hr nat build up f/csg shoe to 400#. Surge to pit. Return's- light coal fine's, dry gas. Circ w/air & 10 bph mist f/1 hr. SI f/2 hr nat build up f/csg shoe to 400#. Surge to pit. Return's- light coal fine's, dry gas. Circ w/air & 10 bph mist f/1 hr. SI f/2 hr nat build up f/csg shoe to 400#

09-10-2005 SI f/2 hr nat build up f/csg shoe to 400# (started @ 2230 hrs). Surge to pit. Light to med coal fine return's. Flow f/1.5 hr w/air mist @ 10 bph. SI f/4 hr nat build up f/csg shoe. 550# on nat. Surge to pit. Return's-same as above. TIH & tag fill @ 3190' = 84'. Est circ w/1500 scfm air, 12 bph mist w/1.5 gal foamer & 1.5 gal of shale treat. Circ & clean f/3190' to 3274' TD. TOO H to 3125'. SI f/pwr surge f/csg shoe. Pump 1/2 gal of foamer and 5 bbl pad w/14 bph mist to 700 #. Surge to pit & nat flow f/30 min. Med return's of coal fine's. SI f/pwr surge f/csg shoe-same as above. Surge to pit. Flow w/air & mist @ 14 bph f/30 min. Nat flow f/30 min, ret's same as above. SI f/3 hr nat build up f/csg shoe=500#. Surge to pit. Circ w/air & 14 bph mist f/30 min. Nat flow f/30 min. Return's-same as above. SI f/pwr surge f/csg shoe. Pump 1/2 gal of foamer and 5 bbl pad w/14 bph mist to 700 #. Surge to pit. Flow w/air & mist @ 14 bph f/30 min. Nat flow f/30 min. Rtn's-same as above. SI f/4.5 hrs nat f/csg shoe=580#. Surge to pit. Nat flow f/30 min. Return's of med to fine's & 1/16" coal. SI f/pwr surge f/csg shoe. Pump 1/2 gal of foamer and 5 bbl pad w/14 bph mist to 700#. Surge to pit. Circ w/air & 14 bph mist f/30 min. Return's-same as above.

09-11-2005 SI f/2 hr nat build up f/csg shoe = 460#. Surge to pit. Flow w/air mist @ 12 bhp f/30 min, nat flow f/30 min. Return's of light coal fine's, mist & thick foam. SI f/4 hr nat build up f/csg shoe = 530#. Surge to pit. Nat flow, return's-same as above. TIH & tag fill @ 3220' = 54'. Circ & clean out to 3274' TD. Return's of med fine's & 1/16" coal. TOOH to csg shoe. SI f/pwr surge f/csg shoe. Pump 5 bbl pad to 500#, 3 bbl pad to 750# & 3 bbl pad to 1000#. Surge to pit. Nat flow, return's-same as above. SI f/pwr surge f/csg shoe. Pump 5 bbl pad to 500#, 3 bbl pad to 750# & 3 bbl pad to 1000#. Surge to pit. Nat flow f/45 min, return's of light to med coal fine's w/1/4" and smaller pieces. SI f/pwr surge f/csg shoe. Pump 5 bbl pad to 500#, 3 bbl pad to 750# & 3 bbl pad to 1000#. Surge to pit. HVY return's of fine's to 1" (some larger) pieces of coal, nat flow f/1 hr. Circ w/air & 14 bph mist f/ 2 hr. SI f/2 hr nat build up f/csg shoe=500#. Surge to pit. Nat flow 1 hr, circulate w/air mist 1 hr. Med return's of coal fine's to 1/4" pieces. SI f/2 hr nat build up f/csg shoe=500#. Surge to pit. Nat flow 1 hr. Light to med return's of coal.

09-12-2005 Circ w/air mist (14 bph) for 1 hr-return's light to med coal fine's. Nat flow f/2 hrs-return's same. SI f/nat build up f/csg shoe = 600#. Surge to pit-rtn's same. TIH & tag fill @ 3204' = 70' of fill. Est circ w/1500 scfm air & 14 bph mist w/1.5 gal each of foamer & shale treat per 20 bbl of produced water. Clean out f/3204' to 3274' TD. Return's of med to hvy coal fine's, 1/4" & 1/2" pieces, trace of shale. TOOH to surface. SI f/2 hr nat build up f/surface = 380#. Surge to pit, rtn's - lt dust & coal fine's, nat flow. SI f/2 hr nat build up f/surface = 400#. Surge to pit, return's- lt dust & coal fine's, nat flow. SI f/2 hr nat build up f/surface = 400#. Surge to pit, rtn's - lt dust & coal fine's, nat flow. SI f/3 hr nat build up f/surface.

09-13-2005 SI f/3 hr nat build up f/surface (started @ 2300 hrs) = 480#. Surge to pit, rtn's - lt coal fines & dry gas. SI f/4 hr nat build up f/surface = 530#. Surge to pit, rtn's - med dust, lt coal fines & dry gas. SI f/2 hr nat build up f/surface = 450#. Surge to pit, rtn's same. Flow & flare (15' to 20' flare), evaporate pit fluid. SI f/2 hr nat build up f/surface = 400#. Surge to pit, rtn's - med coal dust & dry gas. SI f/pwr surge f/surface. Pump 14 bph mist w/ 5 bbl pad to 500#, 5 bbl pad to 750# and 3 bbl pad to 1000#. Surge to pit, rtn's - med mist, med coal dust, coal fines and trace of shale. SI f/pwr surge f/surface - same as above.

09-14-2005 SI f/pwr surge f/surface. Pump 5 bbl pad to 500#, 3 bbl pad to 750#. Pressure jumped to 1000# in 30 min. Bridged off somewhere in well bore. Surge to pit. Return's - med mist & trace of coal, no flow. SI, pump 5 bbl pad w/air & 14 bph mist to 800#. Surge to pit. Return's - same, no flow. SI f/3 hr nat build up f/surface. Open up to pit, no pressure & no flow. SI, pump 5 bbl pad to 500# & 5 bbl pad to 1000#. Surge to pit. Return's - Hvy mist & trace of coal, no flow. Load well bore w/produced water. Calculate volume's, bridged off at approx 1900' to 2000'. TIH w/BHA & DP. Tag bridge @ 2090'. Tie back on 1 line, RU pwr swivel. Est circ w/1500 scfm air & 14 bph mist w/1.5 gal of foamer & same w/shale treatment. Clean out 10' bridge, med return's coal fine's to 1/4" pieces & trace of shale. Continue TIH f/2112' to 2320' - Clear. Tag 15' bridge @ 2320', circ & rotate clean. TIH f/2335' to 2394' - Clear. Tag bridge @ 2379' - circ clean to 2425'. Return's same as above. Still bridged off in csg & have no flow. SI well & secure for the night.

09-15-2005 SI overnight. 530# SIP. Blow well down on 2" hardline to pit. TIH w/single jts. Tag bridge @ 2530'. Est circ w/1500 scfm air & 14 bph mist w/2 gal of foamer & 1.5 gal of shale treat per 20 bbl of produced water. Clean out bridge's in csg, return's-med to hvy coal fine's, up to 1/4" & 1/2" w/trace of shale. CO f/2530' to 3115' (csg shoe). Continue-same as above into open hole f/3115' to 3152'. Tag bridge @ 3135', CO, hvy gas flow f/20 min. CO to 3215', tight f/3183' to 3215', 59' left to TD. Nat flow & flare on blooie line to pit-12' flare. Evaporate pit fluid.

09-16-2005 SI f/2hr nat build up f/csg shoe. 480# SIP. Surge to pit, med return's of coal fine's to 1/4" pieces. Nat flow f/1 hr. SI f/4 hr nat build up f/csg shoe. 550# SIP, surge to pit, med return's - same as above. TIH & tag fill @ 3191' = 83". Est circ w/1500 scfm, 12 bph mist w/1.5 gal of foamer & same w/shale treatment. Clean & circ f/3191' to 3274' w/hvy return's of fine to 1/2" coal w/trace of 1/4" to 1/2" shale. Short trip to csg shoe & SI f/1 hr build up to 200#. Surge w/light return's - same. TIH & tag 10' bridge @ 3191". Circ & clean out f/3191' to 3274' TD. Med return's of same. TOOH to csg shoe. Nat flow & flare on blooie line to pit. Evaporate pit fluid. Nat flow & flare on blooie line to pit. Evaporate pit fluid.

09-17-2005 Nat flow & flare on blooie line to pit. Evaporate pit fluid. TIH & tag fill @ 3200'=74' of fill. Est circ w/1500 scfm air, 12 bph mist w/1.5 gal of foamer, same w/shale treatment. Circ & clean out f/3200' to 3274' TD. Med to hvy return's of fine to 1/4" coal w/trace of shale. TOOH to surface. SI f/2hr nat build up f/surface = 500#. Surge to pit. Med coal dust & dry gas return's. SI f/2hr nat build up f/surface = 500#. Surge to pit. flow f/1 hr on blooie. Flow & flare to pit, evaporate pit fluid.

09-18-2005 SI f/2 hr nat build up f/surface = 500#. Surge to pit, light coal dust return's, dry gas. flow f/1 hr. SI f/4hr nat build up f/surface = 550#. Surge to pit. Return's-same. Flow f/1hr. SI f/2 hr nat build up f/surface = 500#. Surge to pit, light coal dust return's, dry gas. Flow f/1 hr. SI f/2 hr nat build up f/surface = 500#. Surge to pit. Return's-same. Flow & flare, evaporate pit fluid. SI f/4 hr natural build up f/surface =550#.

09-19-2005 SI f/pwr surge f/surface, pump 5 bbl pad to 300#, 5 bbl pad to 600#, 3 bbl pad to 800# w/mist rate @ 14 bph. Surge to pit, light to med return's of coal fine's, light mist to dry gas. Natural flow on blooie line. SI f/4 hr nat build up f/surface = 550#. Surge to pit. Return's-same as above. Flow f/1 hr on blooie line. TIH f/surface. Tag bridge @ 3193', tag solid fill @ 3200'. Total fill = 74'. Est circ w/1500 SCFM, 12 BPH mist w/1 gal of foamer & 1 gal of shale treat per 20 bbl of produced water. Circ & clean f/3200' to 3274' w/med to hvy return's of fine to 1/4" coal w/trace of shale. SI f/2 hr nat buildup f/csg shoe = 500#. Surge to pit. Light return's of coal dust, fine's and dry gas. SI f/2 hr nat buildup f/csg shoe = 500#. Surge to pit. Return's-same.

09-20-2005 SI f/2 hr nat build up f/shoe = 500#. Surge to pit w/light coal & dry gas f/1 hr. SI f/4 hr nat build up f/shoe = 550#. Surge to pit w/light coal & dry gas f/2.5 hr. TIH & tag fill @ 3200' = 74'. Circ w/1500 scfm air, 12 bph mist, 1gal of foamer & 1 gal of shale treat per 20 bbl of produced water, med to hvy return's of fine to 1/16" coal w/trace of shale. Clean out to 3274' TD. TOOH to csg shoe @ 3125'. Natural flow & flare on blooie line to pit. Evaporate pit fluid.

09-21-2005 Natural flow & flare on blooie line to pit, evaporate pit fluid. TIH & tag 10' bridge @ 3200'. Est circ w/1500 scfm air, 12 bph mist, 1 gal of foamer & 1 gal of shale treat per 20 bbl of produced water. Circ & clean thru 10' bridge. TIH & tag fill @ 3224', continue to clean out to 3274' TD. Med return's of fine to 1/16" coal w/trace of shale. Natural flow & flare to pit on blooie line.

09-22-2005 Natural flow & flare to pit on blooie line. TIH & tag 3' bridge @ 3190', tag fill @ 3215' = 60' of fill. Est circ w/1500 scfm, 12 bph mist w/1 gal of foamer & 1.5 gal of shale treat per 20 bbl of produced water. Med return's of fine coal. Clean out to 3274' TD. TOOH to csg shoe. Natural flow & flare on blooie line. TIH & tag tight spot @ +/- 3200'. Est circ-same. Work tight spot & clean out to 3274' TD. Med return's of fine to 1/16" coal & 15% shale to 1/4" in size. TOOH to csg shoe. Natural flow & flare on blooie line.

09-23-2005 Natural flow & flare on blooie line. Est circ w/1500 scfm, 12 bph mist w/1.5 gal of foamer & 2 gal of shale treat per 20 bbl of produced water. Med return's of fine to 1/16" coal. TOOH to csg shoe. Natural flow & flare to pit. Natural flow & flare to pit.

09-24-2005 Natural flow & flare to pit. TIH w/single's, tag 50" fill. Est circ w/1500 scfm, 12 bph mist, 1.5 gal of foamer & 1.5 gal of shale treat per 20 bbl of produced water. Circ & CO to 3274' TD. TOOH to surface, LD 10 DC's. PU & MU TIW liner tool on 1 jt of 2 7/8" DP. RU csg crew. PU & MU 5 jts of 5 1/2", 15.5#, K-55 liner. PU & MU single jt DP w/tool. RD csg crew. TIH w/43 stds DP. PU 5 single's to 3125'. Tie back on 1 line, RU weight ind. Continue TIH. Tight @ 3175'. RU pwr swivel - Trouble, pwr swivel hydraulic unit won't start, work on starter. Consult w/TJR pusher. Remove starter & take to town. LD 2 single jts, back inside 7" csg. Natural flow & flare to pit.

09-25-2005 Natural flow & flare to pit. RD & load out pwr swivel unit to be replaced. TIH & tag fill @ 3224' = 50' of fill. Est circ w/1500 scfm air, 14 bph mist w/1.5 gal of foamer per 20 bbl of produced water. Circ & rotate liner to 3268', continue same @ 3268' - no more movement f/3 hrs, call liner bottom @ 3268' KB. (6' short of 3274' KB TVD). Liner top @ 3042' KB w/overlap of 72..5' KB. Release TIW set tool & lay down 2 single jt's 3220'. RU & LD 3220' of 2 7/8" AOH DP in basket. Break out & load out TIW setting tool. SI & secure well. RD rig pit & pump. RD manual tong's & pwr swivel. Well is shut in, waiting to perf liner 9/26/05.

09-26-2005 SIP = 500#. Bleed well down on 2" to pit. RU Computalog wireline. Perforate 5 1/2". 15.5#, K-55 liner w/3 3/8" gun, 23 gram charges, 0.48" dia holes & 4 spf, total of 300 holes. Made 4 runs. RIH w/ 2 7/8", 6.4#, J-55 tbg, landed @ 3234' as follows: mule shoe w/exp ck, 1 jt of tbg, SN @ 3203', & 100 jts of tbg, have 10' fill in bottom of liner @ 3258' (24' from fill to EOT) EOT @ 3234'. RD cat walk & V door, RD rig floor & BOP closing unit. ND BOP'S & NU WH, pressure test wellhead to 2500# - good. Drop ball down tbg and pump 5 bbl of fluid followed w/air. Pump off exp check, unload approx 10 bbl of fluid to pit. Have flow on tbg, turn well to production department, release rig @ 2000 hrs, 09/26/05.