In Lieu of Form 3160 (June 1990)

UNITED STATES DEPARTMENT OF INTERIOR BUREAU OF LAND MANAGEMENT

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FORM APPROVED iget Bureau No. 1004-0135

, BOREAU OF I	OCT	4. 2008 Expires: March 31, 1993
Do not use this form for proposals to drill or to deepen of		กรัฟลกลุกคนease ⁴ Designation and Serial No <u>1 Field OักีNMSF-078770</u> 6 If Indian, Allottee or Tribe Name
SUBMIT IN	TRIPLICATE	7 If Unit or CA, Agreement Designation Rosa Unit
1 Type of Well Oil Well Gas Well X Other		
2 Name of Operator WILLIAMS PRODUCTION COMPANY		
Address and Telephone No. PO Box 640 Aztec, NM 87410-0640	3 Address and Telephone No.	
CHECK APPROPRIA	TE BOX(s) TO INDICATE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE C	DF ACTION
& blooie lines, RU floor & tongs, secure well & equip <u>09-18-2008</u> Recap: Tally, PU, MU & RIW 6-1/4 tooth bit, bit sub, valve, Test 7" csg & pipe rams to 1500 psi hold for coal water DO FC @ 3564', DO cmt to shoe @ 36 accidents reported.	, SDFN, no accidents reported. eight 4-3/4" DC's, X-over sub, & 106 jts 2-7/8" AOH or 30min w/ no leak off. Good test PU & RU 3.5 07', DO 7" csg shoe Circ bottoms up Pull bit up	PS, tag cmt @ 3560' Break circulation w/ produced of off bottom, secure well & location SDFN, no
Recap: PU & RU 3.5 PS, break circulation w/ produc 3843' Circulate bottoms up LD 8 jts DP, pull ab	ed coal water Begin drilling new formation @ 360 love 7" csg shoe Secure well & location, SDFN, no	17' Choquette well logging on location Portorto @ o accidents reported. OCT 1 5 2008 FARMENT FIELD OFFICE BY To Servers
I hereby certify that the foregoing is true and co	•	te 10/14/08
(This space for Federal or State office use) Approved by Conditions of approval, if any	Title	Date

Title 18 U S C Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

Page 2 - RU 264A

09-20-2008

Recap: RU Basin WL, PU Scientific Drilling Gyro & RIW POOW w/ WL & Gyro, RD Basin WL. Deviation @ TD 20.23 degrees --- Tie air package to Drill string, unload wtr w/ air --- LD 9 jts DP, TOOH & standback DP & DC's, break off bit --- PU Knight under reamer, MU & TIH w/ DC's, & DP, set UR @ 3580' 27' in 7" csg --- Secure well & location SDFN, no accidents reported

09-21-2008

Recap: SICP 450 psi, bleed well down @ 2" line --- RU 3.5 PS, break circ w/ 10bph A/S mist open under reamer arms @ 3613' --- UR 6-1/4" to 9-1/2", from 3613' to 3843'. --- Pump 5 bbl sweeps, blow well clean, LD 8 jts DP. RD & LD 3.5 PS --- FLOW TEST: Duration = 1/2 hr, Test Method = pitot, MCFD = 492 Mcfd, Csg Psi = 10 oz, Tbg Psi = 0 psi, Gas Type = dry, Gas Disposition = non flaring, Choke Size = 2" open line, --- TOOH, standback DP & DC's & LD UR --- MU & RIW w/ bit, 8 DC's & 5 stands DP --- prepare well for overnight surging, secure well & equipment, turn well over to flowback hand & air hand for overnight cavitation --- Cavitate well from 564' w/ energized surges to 1000 psi, no accidents reported.

09-22-2008

Recap: Cavitate from 564' w/ natural & energized surges to 1000 psi. Travel to location --- SM w/ rig crew, start equipment, SICP 320 psi, surge well to pit @ blooie line, --- RIW'w/105 jts DP, tag bridge @ 3516' 91' into 7" csg. --- PU & RU 3.5 PS break circ w/ 10bph air-mist w/ 1 gal foamer, 1/2 gal shale treat, & 1/2 gal corrosion inhibitor per 20 bbl produced coal water. Clear bridge, unloaded heavy fine to 1/4" coal, cleanout to TD @ 3843', well is heaving heavy fine to 1/4" in bottom coal section @ 3830' Work pipe & pump sweeps as needed. --- Blow well dry w/ air --- LD 8 jts DP, hang off PS and pull bit into 7" csg, RU for surging, turn well over to flow back hand & air hand for overnight cavitation. --- FLOW TEST: Duration = 1 hr, Test Method = pitot, MCFD = 600 Mcfd, Csg Psi = 15 oz, Tbg Psi = 0 psi, Gas Type = dry, Gas Disposition = non flaring, Choke Size = 2" open line, --- Cavitate from shoe w/ natural & energized surges to 1000 psi, chase all surges w/ air mist for 30min minimum, @ 19:.00 shut night crew down, #1 HCR valve wouldn't open & I sent elbow off #2 blooie line in for repair earlier today, Shut well in w/ 1000 psi on csg.

09-23-2008

Recap SICP 1000 psi, surge well to pit @ blooie line --- replace elbow on #2 blooie line, swap out HCR valve --- PU DP singles & RIW, tag fill @ 3836' 7' of fill --- PU & RU 3.5 PS break circ w/ 10bph air-mist w/ 1 gal foamer, 1/2 gal shale treat, & 1/2 gal corrosion inhibitor per 20 bbl produced coal water. cleanout to TD @ 3843' returned heavy fine to 1/4" coal, LD 3 jts & pull into bottom coal section, pump sweeps and work pipe, making very heavy 1/4" coal w/ sweeps --- LD 8 jts DP, hang off PS and pull bit into 7" csg, RU for surging, Turn well over to flow back hand & air hand for overnight cavitation --- Cavitate from shoe w/ natural & energized surges to 1000 psi, chase all surges w/ air mist for 30min minimum.

09-22-2008

Recap: Cavitate from 564' w/ natural & energized surges to 1000 psi. Travel to location --- SM w/ rig crew, start equipment, SiCP 320 psi, surge well to pit @ bloore line, --- RIW w/105 jts DP, tag bridge @ 3516' 91' into 7" csg --- PU & RU 3 5 PS break circ w/ 10bph air-mist w/ 1 gal foamer, 1/2 gal shale treat, & 1/2 gal corrosion inhibitor per 20 bbl produced coal water. Clear bridge, unloaded heavy fine to 1/4" coal, cleanout to TD @ 3843', well is heaving heavy fine to 1/4" in bottom coal section @ 3830'. Work pipe & pump sweeps as needed. --- Blow well dry w/ air --- LD 8 jts DP, hang off PS and pull bit into 7" csg, RU for surging, turn well over to flow back hand & air hand for overnight cavitation. --- FLOW TEST: Duration = 1 hr, Test Method = pitot, MCFD = 600 Mcfd, Csg Psi = 15 oz, Tbg Psi = 0 psi , Gas Type = dry, Gas Disposition = non flaring, Choke Size = 2" open line, --- Cavitate from shoe w/ natural & energized surges to 1000 psi, chase all surges w/ air mist for 30min minimum, @ 19::00 shut night crew down, #1 HCR valve wouldn't open & I sent elbow off #2 blooie line in for repair earlier today, Shut well in w/ 1000 psi on csg.

09-23-2008

Recap SICP 1000 psi, surge well to pit @ blooie line --- replace elbow on #2 blooie line, swap out HCR valve --- PU DP singles & RIW, tag fill @ 3836' 7' of fill --- PU & RU 3 5 PS break circ w/ 10bph air-mist w/ 1 gal foamer, 1/2 gal shale treat, & 1/2 gal corrosion inhibitor per 20 bbl produced coal water. cleanout to TD @ 3843' returned heavy fine to 1/4" coal, LD 3 jts & pull into bottom coal section, pump sweeps and work pipe, making very heavy 1/4" coal w/ sweeps -- LD 8 jts DP, hang off PS and pull bit into 7" csg, RU for surging, Turn well over to flow back hand & air hand for overnight cavitation. --- Cavitate from shoe w/ natural & energized surges to 1000 psi, chase all surges w/ air mist for 30min minimum.

09-26-2008

Recap: Cavitate from shoe w/ natural & energized surges to 1000 psi. Travel to location --- SM w/ rig crew, SICP 780 psi, surge well to pit @ blooie line --- PU & RU 3.5 PS PU DP singles & RIW, tag bridge @ 3620'. break circ w/ 10bph air-mist w/ 1 gal foamer, 1/2 gal shale treat, & 1/2 gal corrosion inhibitor per 20 bbl produced coal water. Clear bridge, unloaded heavy fine to 1/4" coal, cleanout to TD @ 3843', well is making very heavy fine to 1/2" coal thru entire cleanout. --- Blow well dry w/ air --- LD 8 jts DP, hang off PS and pull bit into 7" csg, RU for surging, Turn well over to flow back hand & air hand for overnight cavitation. -- FLOW TEST: Duration = 1 hr, Test Method = pitot, MC/D = 869 Mcfd, Csg Psi = 32 oz, Tbg Psi = 0 psi, Gas Type = dry, Gas Disposition = non flaring, Choke Size = 2" open line, --- Flare gas & evaporate pit water --- Cavitate from shoe w/ natural & energized surges to 1000 psi, chase all surges w/ air mist for 30min minimum.

09-27-2008

Recap. Cavitate from shoe w/ natural & energized surges to 1000 psi, chase all surges w/ air mist for 30min minimum, returns med to heavy fine to 1/4" coal & med black water

<u>09-28-2008</u>

Recap: Cavitate from shoe w/ natural & energized surges to 1000 psi, chase all surges w/ air mist for 30min minimum, returns med to heavy fine to 1/4" coal & med black water --- surge #31 heaved heavy coal & med black water for 45 minutes, 4hr SICP 1040 psi --- Flare gas to pit & evaporate pit water.

09-29-2008

Recap: Cavitate from shoe w/ natural & energized surges to 1000 psi. Travel to location --- SM w/ rig crew, SICP 400 psi, bridged off @ shoe, surge well to pit @ bloole line --- PU & RU 3.5 PS PU DP singles & RIW, tag bridge @ shoe 3607', break circ w/ 10bph air-mist w/ 1 gal foamer, 1/2 gal shale treat, & 1/2 gal corrosion inhibitor per 20 bbl produced coal water. Clear bridge, unloaded heavy fine to 1/4" coal, cleanout to TD @ 3843', well is making very heavy fine to 1/2" coal thru entire cleanout, no circulation, bit plugged. Pumped water down DP to 2500 psi, still plugged. --- TOOH w/ DP & DC's, found float in bit sub packed full of coal, spring on float had broken and float came apart. --- replace float, TIH w/ bit, DC's & DP to shoe --- FLOW TEST: Duration = 1 hr, Test Method = pitot, MCFD = 869 Mcfd, Csg Psi = 32 oz, Tbg Psi = 0 psi, Gas Type = dry, Gas Disposition = non flaring, Choke Size = 2" open line, turn well over to flow back hand & air hand for overnight cavitation. --- Cavitate from shoe w/ natural & energized surges to 1000 psi, chase all surges w/ air mist for 30min minimum

Page 3 - RU #264A

09-30-2008

Recap: Cavitate from shoe w/ natural & energized surges to 1000 psi, chase all surges w/ air mist for 30min minimum, --- AWS monthly safety meeting, travel to location --- SM w/ rig crew, SICP 1080 psi, surge well to pit @ blooie line --- PU & RU 3.5 PS PU DP singles & RIW, tag bridge @ 3650', break circ w/ 10 bph air-mist w/ 1 gal foamer, 1/2 gal shale treat, & 1/2 gal corrosion inhibitor per 20 bbl produced coal water. Clear bridge, unloaded heavy fine to 1/4" coal, cleanout to @ 3745' bit plugged off, well is making very heavy fine to 1/2" coal. Pumped water down DP to 2500 psi, still plugged. --- TOOH w/ DP & DC's, found float in bit sub, bit sub & 2' of bottom DC packed full of coal, --- replace float, TIH w/ bit, DC's & DP to shoe --- Secure well & location, Turn well over to flow back hand & air hand for overnight cavitation. --- Cavitate from shoe w/ natural & energized surges to 1000 psi, chase all surges w/ air mist for 30 min minimum.

10-01-2008

Recap: Cavitate from shoe w/ natural & energized surges to 1000 psi. Travel to location --- SM w/ rig crew, SICP 1020 psi, surge well to pit @ blooie line --- PU & RU 3.5 PS PU DP singles & RIW, tag bridge @ 3650'. Break circ w/ 10bph air-mist w/ 1 gal foamer, 1/2 gal shale treat, & 1/2 gal corrosion inhibitor per 20 bbl produced coal water. Clear bridge, unloaded heavy fine to 1/4" coal, cleanout to TD @ 3843', well is making heavy fine to 1/2" coal thru entire cleanout --- Blow well dry w/ air--- LD 8 Jts DP & pull into 7" csg, hang off 3.5 PS --- FLOW TEST: Duration = 1 hr, Test Method = pitot, MCFD = 970 Mcfd, Csg Psi = 40 oz, Tbg Psi = 0 psi, Gas Type = dry, Gas Disposition = non flaring, Choke Size = 2" open line, Turn well over to flow back hand & air hand for overnight cavitation. --- Cavitate from shoe w/ natural & energized surges to 1000 psi, chase all surges w/ air mist for 30min minimum.

10-02-2008

Recap: Cavitate from shoe w/ natural & energized surges to 1000 psi. SICP 900 psi, surge well to pit @ blooie line --- PU & RU 3.5 PS PU DP singles & RIW, tag bridge @ shoe 3607' Break circ w/ 10bph air-mist w/ 1 gal foamer, 1/2 gal shale treat, & 1/2 gal corrosion inhibitor per 20 bbl produced coal water. Clear bridge, unloaded heavy fine to 1/4" coal, tagged bridge @ 3743' top of rat hole, getting light returns, rotate & circulate, push bridge down hole cleanout to TD @ 3843', unloaded heavy coal & shale @ TD. --- Blow well dry w/ air --- LD 8 jts DP & pull into 7" csg, hang off 3.5 PS. ---- Turn well over to flow back hand & air hand. Flare gas & evaporate pit water. --- Cavitate from shoe w/ natural & energized surges to 1000 psi, chase all surges w/ air mist for 30min minimum.

10-03-2008

Recap Cavitate from shoe w/ natural & energized surges to 1000 psi. Travel to location --- SM w/ rig crew, SICP 1050 psi, surge well to pit @ blooie line --- PU & RU 3.5 PS PU DP singles & RIW, tag bridge @ 3640'. Break circ w/ 10bph air-mist w/ 1 gal foamer, 1/2 gal shale treat, & 1/2 gal corrosion inhibitor per 20 bbl produced coal water. Clear bridge, unloaded heavy fine to 1/4" coal, tagged bridge @ 3743' top of rathole, cleanout to TD @ 3843', unloaded heavy coal & shale @ TD. --- Blow well dry w/ air --- LD 8 jts DP & pull into 7" csg, hang off 3.5 PS --- FLOW TEST: Duration = 1 hr, Test Method = pitot, MCFD = 1065 Mcfd, Csg Psi = 3lbs, Tbg Psi = 0 psi, Gas Type = dry, Gas Disposition = non flaring, Choke Size = 2" open line, Turn well over to flow back hand & air hand for overnight cavitation. --- Cavitate from shoe w/ natural surges chase all surges w/ air mist for 30 min minimum.

10-04-2008

Recap: Cavitate from shoe w/ natural surges --- Flare gas & evaporate pit water.

10-05-2008

Recap Cavitate from shoe w/ natural surges --- Well bridged off, no pressure build up, build 2 energized surges to 1000 psi to try and clear bridge, couldn't get any gas flow. --- SIFN, released flowback hand & air hand, no accidents reported

10-06-2008

Recap Well SION, bridged off, SICP 0 psi --- PU & RU 3 5 PS PU DP singles & RIW, tag bridge @ shoe 3607'. Break circ w/ 10bph air-mist w/ 1 gal foamer, 1/2 gal shale treat, & 1/2 gal corrosion inhibitor per 20 bbl produced coal water. Clear bridge, unloaded heavy fine to 1/4" coal, tagged bridge @ 3743' top of rathole, getting light returns, rotate & circulate, pump sweeps & work pipe as needed, cleanout to TD @ 3843', unloaded heavy coal & shale @ TD. --- Blow well dry w/ air --- LD 8 jts DP & pull into 7" csg, hang off 3.5 PS -- FLOW TEST: Duration = 1 hr, Test Method = pitot, MCFD = 1236 Mcfd, Csg Psi = 4lbs, Tbg Psi = 0 psi, Gas Type = dry, Gas Disposition = non flaring, Choke Size = 2" open line, Turn well over to flow back hand & air hand for overnight cavitation. ---- Cavitate from shoe w/ natural surges chase all surges w/ air mist for 30 min minimum.

10-07-2008

Recap. Cavitate from shoe w/ natural surges --- SM w/ rig crew, SICP 980 psi, surge well to pit @ bloole line --- PU & RU 3.5 PS PU DP singles & RIW, tag bridge @ 3625'. Break circ w/ 10bph air-mist w/ 1 gal foamer, 1/2 gal shale treat, & 1/2 gal corrosion inhibitor per 20 bbl produced coal water. Clear bridge, unloaded heavy fine to 1/4" coal & heavy 1/2" to 1" shale, tagged bridge @ 3743' top of rathole, cleanout to TD @ 3843', unloaded heavy fine to 1/4" coal & 1/2" shale @ TD. --- LD 8 jts DP & pull into 7" csg, hang off 3.5 PS --- Secure well & equipment, turn well over to flowback hand & air hand --- Flow well to pit w/ flare, evaporate pit water, no accidents reported.

10-08-2008

Recap: Flow well to pit w/ flare, evaporate pit water, travel to location --- SM w/ rig crew start & check equipment --- PU & RU 3.5 PS PU DP singles & RIW, tag bridge @ 3625'. Break circ w/ 10bph air-mist w/ 1 gal foamer, 1/2 gal shale treat, & 1/2 gal corrosion inhibitor per 20 bbl produced coal water. Clear bridge, unloaded heavy fine to 1/4" coal & heavy 1/2" to 1" shale, tagged bridge @ 3743' top of rathole, cleanout to TD @ 3843', unloaded heavy fine to 1/4" coal & 1/2" shale @ TD. --- Blow well dry w/ air --- LD 8 jts DP & pull into 7" csg, hang off 3.5 PS, Turn well over to flow back hand & air hand --- FLOW TEST: Duration = 1 hr, Test Method = pitot, MCFD = 1236 Mcfd, Csg Psi = 4lbs, Tbg Psi = 0 psi, Gas Type = dry, Gas Disposition = non flaring, Choke Size = 2" open line, --- Flow well to pit w/ flare, evaporate pit water, no accidents reported

<u>10-09-2008</u>

Recap. Flow well to pit w/ flare, evaporate pit water, travel to location --- SM w/ rig crew start & check equipment --- PU & RU 3.5 PS PU DP singles & RIW, tag light bridge @ 3743', top of rathole break circ w/ 10bph air-mist w/ 1 gal foamer, 1/2 gal shale treat, & 1/2 gal corrosion inhibitor per 20 bbl produced coal water. Clear bridge, unloaded light fine to 1/8" coal & shale, cleanout to TD @ 3843', ---- Blow well dry w/ air --- LD 8 jts DP & pull into 7" csg, hang off 3.5 PS, --- Flow well to pit w/ flare, evaporate pit water, --- Turn well over to flow back hand & air hand, continue to flow well & flare gas, no accidents reported.

<u>10-10-2008</u>

Recap: Flow well to pit w/ flare, evaporate pit water, travel to location --- SM w/ rig crew start & check equipment --- PU & RU 3.5 PS PU DP singles & RIW, tag It bridge @ 3643', break circ w/ 10bph air-mist w/ 1 gal foamer, 1/2 gal shale treat, & 1/2 gal corrosion inhibitor per 20 bbl produced coal water. Clear bridge, unloaded very It fine coal & shale, cleanout to TD @ 3843', no problem getting to bottom --- TOOH & standback DP & DC's, RU to run 5-1/2" liner --- San Juan csg didn't show up, set up to be on location @ 12:00, said they were waiting on my call. --- FLOW TEST: Duration = 1 hr, Test Method = pitot, MCF/D = 1865 mcf/d, Csg Psi = 9lbs, Tbg Psi = 0 psi , Gas Type = dry, Gas Disposition = non flarring, Choke Size = 2" open line, --- SM w/ all personnel on location, RU San Juan csg --- RIW w/ set shoe, 8 jts 5-1/2" 15.5# K-55 csg, H-latch, setting tool & 1 jt DP, RD San juan csg --- RIW w/ liner assembly & 104 jts 2-7/8" DP tagged bridge @ 3642', --- PU & RU 3.5 PS, break circ w/ 12bph air/mist, rotate & circulate liner down to 3651'. Unable to get liner to past this depth. --- LD 2 jts DP and pull into 7" csg, set bottom of liner @ 3580'. Secure well & equipment, SDFN, no accidents reported

Page 4 - RU #264A

10-11-2008

Recap: Travel to location --- SM w/ rig crew start & check equipment SICP 900 psi, bleed well down slow @ 2" line --- PU 2 jts DP & RIW w/ liner assembly & DP tagged bridge @ 3642', break circ w/ air/mist equalized pressure on DP & backside, worked through bridge, circulate & rotate pipe down tagged several It bridges to rathole. Problem getting the end of the liner in rathole, kept working up and down and rotate, got liner in rathole and liner went to bottom easy. --- Release liner @ TD, 3843' --- 7" shoe @ 3576', Liner top @ 3470', Liner bottom @ 3843', 137' overlap. --- RD & LD 3.5 PS. TOOH & LD DP, DC's & setting tool. --- SM w/ rig crew & BWWC crew, RU wireline --- perforate 5-1/2" liner w/ 11 gram charge .53 holes, 4 spf, as follows bottom to top-3703' to 3743' 40' 160 shots, 3665' to 3685' 20' 80 shots, 3630' to 3640' 10' 40 shots. Total 70' 280 shots. --- RD BWWC. --- Secure well & location SDFN

10-12-2008

Recap: Travel to location --- SM w/ rig crew start & check equipment SICP 1000 psi, bleed well down slow @ 2" line --- Tally, PU, MU & RIW w/ half muleshoe exp check, 2.28" I.D. F-nipple w/ standing valve, & 120jts 2-7/8" 6.5# J-55 EUE 8rnd tbg, (rabbit tbg while picking up). --- Test tbg w/ rig pump to 1000 psig, good test --- fish standing valve w/ sandline --- tie air package to tbg string, break circ blow liner clean w/ air/mist. Returned It fine coal, some perforation debris, and unloaded heavy water. --- TOH & standback tbg. --- Secure well & equipment, SDFN, no accidents reported

<u> 10-13-2008</u>

Travel to location --- SM w/ all personnel on location, SICP 1100 psi, bleed well down @ 2" line --- RU Specialty Banding, --- TIH w/ mud anchor, tbg screen, 2.28 I.D. F-nipple, & 119 jts 2-7/8" 6.5# J-55, EUE 8rnd tbg. Attache chem line @ tbg screen, run to surface ---PU tbg hanger, land well, as follows, 2-7/8" mud anchor, 2-7/8" tbg screen, 2.28 I.D. F-nipple, & 119 jts 2-7/8" 6.5# J-55 EUE 8rnd tbg, EOT @ 3811' F-Nipple @ 3784' --- RD Specialty banding --- ND BOP & Blooie lines, NU SR WH --- PU MU & RIW as follows, Gas anchor, 2-1/2" X 1-1/2" X 8 X 12 RHAC pump, 6 - 1-1/2" HF sinker rods, 50 -3/4" API D rods rods, - 94, 3/4" API D 3 per 2-1/2 guided rods, 8' pony rod, 6' pony rod, 4' pony rod & 1-1/4" X 12' polished rod w/ 10' X 1-1/2" liner --- install stuffing box, seat pump & Space out pump, load tbg w/ produced water, test tbg & pump to 500 psig, release pressure and stroke pump to 500psig. Test OK --- RD surface equipment, lower derrick, prepare for rig move to Rosa 359A, Secure well & equipment, No accidents reported.

FINAL REPORT FOR ROSA 264A, JOB COMPLETE

Surface Location: 2165' FSL and 100' FWL NW/4 NE/4 Sec 23 (L), T31N, R5W Rio Arriba, NM

Bottom Hole Location: 909' FSL and 418' FEL SE/4 SE/4 Sec 22 (P), T31N, R5W R10 Arriba, NM

Elevation. 6587' GR API # 30-039-30338

Тор	MD_ Depth	TVD <u>Depth</u>
Ojo Alaino	2960'	2730'
Kirtland	3084'	2840'
Fruitland	3500'	3210'

6 - 1-1/2" HF sinker rods, 50 -3/4" API D rods rods, -

94, 3/4" API D 3 per 2-1/2 guided rods, 8' pony rod, 6' pony rod, 4' pony rod & 1-1/4" X 12' polished rod w/ 10' X 1-1/2" liner

> 0.53", 4SPF 280 holes total

3665' - 3685' (80 SHOTS)

ROSA UNIT #264A

BASIN FRUITLAND COAL

3703 - 3743' (160 SHOTS)

2-1/2" X 1-1/2" X 8 X 12 RHAC

Open hole from 6-1/4" to 9-1/2" from 3613' - 3843'

.7 jts 9-5/8", 36#, K-55, ST&C @ 336' 80 jts 7", 23#, K-55, LT&C @ 3607' Liner top @ 3470' 2-7/8" mud anchor, 2-7/8" tbg screen, 2 28 I.D F-nipple, & 119 jts 2-7/8" 6 5# J-55 EUE 8md tbg, EOT @ 3811' F-Nipple @ 3784' 3630' - 3640' (40 SHOTS) .8 jts 5-1/2", 15 5#, K-55 LT&C set @ 3843' pump TD @ 3843' MD 3524' TVD

Spud: 08/17/08

Completed. 10-13-08

1st Delivered: 00/00/00

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	150 sxs	212 cu ft.	Surface
8-3/4"	7", 23#	525 sxs	1075 cu.ft	Surface
6-1/4"	5-1/2", 15 5#	Did Not Cmt		