

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-045-34250
5. Indicate Type of Lease STATE FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. FEE
7. Lease Name or Unit Agreement Name Rosa Unit
8. Well Number Rosa Unit #355A
9. OGRID Number 120782
10. 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-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	
2. Name of Operator Williams Production Company LLC	
3. Address of Operator P.O. Boc 640, Aztec, NM 87410	
4. Well Location Unit Letter J : 1525 feet from the South line and 2190 feet from the East line Section 16 <u>33</u> Township 32N Range 6W NMPM County San Juan	
33	
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>	
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____	
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:
PERFORM REMEDIAL WORK ☒ PLUG AND ABANDON
TEMPORARILY ABANDON
PULL OR ALTER CASING
CHANGE PLANS
MULTIPLE COMPL

SUBSEQUENT REPORT OF:
REMEDIAL WORK ☒ ALTERING CASING
COMMENCE DRILLING OPNS. P AND A
CASING/CEMENT JOB

OTHER: ☐ OTHER: ☐

13. 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. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Williams Production Company, LLC drilled this well late in 2007. Due to seasonal wildlife closure we were only able to drill out and under ream this well. Williams now plans to move on and cavitate this well as per attached procedure.

RCUD MAY 2 '08
OIL CONS. DIV.
DIST. 3

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Larry Higgins TITLE Drilling COM DATE 5-2-08

Type or print name: Larry Higgins E-mail address: larry.higgins@williams.com Telephone No. (505) 634-4208

For State Use Only

APPROVED BY: H. Villanueva TITLE Deputy Oil & Gas Inspector, District #3 DATE MAY 05 2008
Conditions of Approval (if any):



Exploration & Production
Cavitation Procedure

<u>Well Name:</u>	Rosa Unit #355A	<u>DATE:</u>	4/28/2008
<u>Location Surface:</u>	1525 FSL, 2190' FEL Sec 33– T32N – R06W San Juan County, NM	<u>Field:</u>	Basin Fruitland Coal
		<u>API Number:</u>	30-045-34250
<u>Location Btm Hole:</u>	1200' FSL, 1196' FEL Sec 33– T32N – R06W San Juan County, NM	<u>Surface:</u>	
		<u>Minerals:</u>	Fee/Fed
<u>Elevation:</u>	6326' GR	<u>AFE Number:</u>	WT 758
<u>Driller KB:</u>	12' AGL	<u>Amount:</u>	\$1,104,330
<u>Driller TD:</u>	3250'	<u>DCT:</u>	\$649,359
<u>Drill Rig/Cnsltnt:</u>	BC #2/R. Oaks	<u>DO&URT:</u>	\$86,905
<u>Drill Spud/Fin:</u>	9/8/07-9/21/07	<u>OGRE ID:</u>	12208
<u>DO&UR Rig/Cnsltnt:</u>	AWS #656/B. Banks	<u>Oracle ID:</u>	62049544
<u>DO&UR St/Fin:</u>	11/12/07-11/16/07	<u>METER NO:</u>	82152
<u>DO &UR TD:</u>	3450'	<u>Prod Team Lead:</u>	Matt Lain
<u>1st Delivered:</u>	12/18/07	<u>Prod Tech:</u>	Kenny Schwettman
<u>Evaluation Logs:</u>	Mud Log	<u>Inv Rtg Code:</u>	NXEKK334711

Casing Record:

TYPE	SIZE	WT	GRADE	THRD	SET AT	OH SIZE	TOC
Surface	9 5/8	36	K-55	LT&C	342	12 1/4	surface
Intermediate	7	23	K-55	LT&C	3,241	8 3/4	surface
Liner	None						
Prod Tubing	2 7/8	6.5	J-55	EUE	3,236	98 Jts	

Formation Tops:

Ojo Alomo	2,513	Fruitland	3,094
Kirtland	2,656	Picture Cliffs	3,353
		TD	3,450

Rosa Unit #355A Well Cavitation Procedure

WORK OBJECTIVE: Cavitate and install Beam Pumping Unit System.

Current Status: The well was drilled out, under reamed and put on production without cavitation being done due to winter closure.

Pre-Job Planning: Notify BLM 24 hrs prior to moving in. Contact Mark Lepich, CBM team lead, and Terry Carpenter, drilling superintendent, to discuss job scope and logistics. Confirm all surface facilities are secure prior to MIRU. Review liner and tubular requirements with Ron Cochran, FOA.

<u>TITLE</u>	<u>SIGNATURE</u>	<u>DATE</u>
COMPLETION ENGINEER	<u>Kirk Place</u>	<u>4/28/2008</u>
DRILLING SUPERINTENDENT	<u>Terry Carpenter</u>	<u>4/28/2008</u>

Safety Reminders: Safe operations are very important at all Williams Production Company properties and facilities. To further this goal, the wellsite supervisor or rig tool pusher at the location shall request tailgate safety meetings prior to initiation of work and also prior to any critical operations. All company, contract, and service personnel present at the location shall attend these tailgate safety meetings. All parties shall review proposed upcoming steps, procedures, and potentially hazardous situations. Occurrence of these meetings shall be recorded in the Daily Report.

Smoking is not allowed except in areas designated by the wellsite supervisor or rig toolpusher. Hard hats and steel toed shoes will be worn on location. Personnel arriving on location shall check in with the wellsite supervisor or rig toolpusher.

See attached current wellbore schematic for other wellbore details.

Pre-Job Planning and Notes: Notify Mark Lepich, CBM Team Leader a minimum of 48 hours prior to commencing any work and after job is completed.

Lock-out and tag-out surface facilities per Williams E&P Safety Policy and Procedures.

Ensure that rectifier for cathodic protection is turned off before any work is performed. Notify cathodic protection personnel after job is complete so cathodic protection can be re-activated.

Rosa Unit #355A Well Cavitation Procedure

1. Notify BLM 24 hours prior to moving in. Have rig anchors tested 5 days prior to moving on location. Confirm with Mark Lepich that the rig pit is ready.
2. Hold daily safety meetings to discuss job scope and emergency response plans. If the procedure changes or critical tasks are involved revisit safety concerns before continuing work.
3. MIRU service unit and air package.
4. Kill well as necessary.
5. ND wellhead and NU BOP, HCR Valve ("Cav" package) and choke manifolds. Perform BOP test as per SOP (function test pipe ram and blind ram).
6. Pull tubing hanger, TOO H with 2-7/8".
7. TOO H standing back, inspect and replace damaged tubing. Confirm PBTD with tubing tally and PBTD reported on wellbore diagram. Note tbg hanger/wellhead condition and contact Antelope for repair/replacement as necessary.
8. PU 6-1/4" bit on 2-7/8" DP and DCs and TIH. Clean out to original TD.
9. PUH into 7" and start natural/pressure buildup surges as the well dictates. Repeat process and discuss with engineer for specific process going forward.
10. PU 5-1/2" liner on 2-7/8" DP. RIH with liner and LA set shoe, rotate down if necessary. Land at TD with ~100' of overlap in 7" csg. TOO H w/ DP and LD.
11. MIRU perforating crew. Hold safety meeting. Perforate 4 spf from 3250' to 3310' and 3340' to 3350'. Use Hollow Steel Carrier with 11 gram charge for a .53 hole.
12. Run production tubing, pump and rods according to procedure to be provided by production engineer.
13. RDMO. Notify CBM team.

**ROSA UNIT COM #355A
BASIN FRUITLAND COAL**

Surface Location:

1525' FSL and 2190' FEL
NW/4 SE/4 Sec 33(J), T32N, R06W
San Juan, NM

Bottom Hole Location:

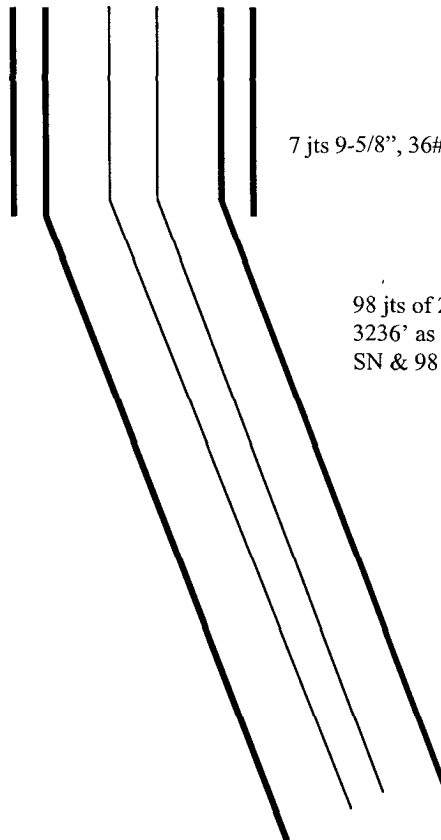
1220' FSL and 1196' FEL
SE/4 SE/4 Sec 33(P), T32N, R06W
San Juan, NM

Elevation: 6326' GR
API # 30-045-34250

Spud: 09/08/07

Completed: 11/16/07

1st Delivered: 12/18/07



7 jts 9-5/8", 36#, K-55, LT&C @ 342'.

98 jts of 2-7/8", 6.5#, J-55 tbg @
3236' as follows: 1/2 M/S collar, 2.28"
SN & 98 jts tbg.

70 jts 7", 23#, K-55, LT&C @ 3241'.

<u>Top</u>	<u>Depth</u>
Ojo Alamo	2513'
Kirtland	2656'
Fruitland	3094'
Pictured Cliffs	3360'

Well is producing open hole @
3250' – 3450'

TD @ 3450' MD

Open hole from 6-1/4" to 9-1/2"
from 3250' to 3450'

Hole Size	Casing	Cement	Volume	Top of Cmt
12-1/4"	9-5/8", 36#	200 sxs	282 cu.ft.	Surface
8-3/4"	7", 23#	650 sxs	1324 cu.ft.	Surface