Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

APR 2002

5. Lease Serial No.
NMSF078917

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No
NMNM78415B

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
SJ 29-5 Unit #91

2. Name of Operator
Phillips Petroleum Company

9. API Well No.
30-039-21786

3a. Address
5525 Highway 64, NBU 3004, Farmington, NM 87401

3b. Phone No. (*include area code*)
505-599-3454

10. Field and Pool, or Exploratory Area
Basin Dakota

4. Location of Well (*Footage, Sec., T., R., M., or Survey Description*)
Unit B, 1140' FNL & 1840' FEL
Section 35, T29N, R5W

11. County or Parish, State
Rio Arriba, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Either TA or P&A after log run
	☐ Change Plans	☐ Plug and Abandon	☒ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Plans are to TA the lower Dakota interval, log well and then determine whether to continue with TA'ing only the Dakota interval or P&A the entire wellbore. If the well is only TA'd, a charted pressure test will be done to a minimum of 500 psi for 30 minutes and the results will be reported to the BLM and OCD.

Attached is the procedure prepared by A-Plus Well Service for both the TA & the P&A procedures. Work will begin as soon as approval from the BLM is recieved and notification has been made to the BLM & OCD that cement.

14. I hereby certify that the foregoing is true and correct
Name (*Printed/Typed*) Patsy Clugston

Title Sr. Regulatory/Proration Clerk

Date 4/9/02

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date 4/19/02

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, 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.

TEMPORARY ABANDONMENT OR PLUG AND ABANDONMENT PROCEDURE

4/8/02

San Juan 29-5 Unit #91
Basin Dakota
1140' FNL & 1840' FEL, Section 35, T29N, R5W
Rio Arriba County, New Mexico

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be ASTM Type II, mixed at 15.6 ppg with a 1.18 cf/sx yield.

TEMPORARY ABANDONMENT:

1. Install and test location rig anchors. Prepare lined pit for waste fluid. Comply with all NMOCD, BLM, and PPCO safety regulations. MOL and RU daylight pulling unit. Conduct JSA meeting for all personnel on location. NU relief line. Blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP.

2. TOH and tally 279 joints 2-3/8" tubing, total 8688', visually inspect. If necessary use a tubing workstring. Round-trip 4-1/2" casing scraper to 8700'.

3. **Plug #1 (Dakota perforations, 8674' – 8574'):** RIH and set a 4-1/2" wireline CIBP or CR at 8674'. TIH with tubing and load casing with water. Circulate the well clean. Pressure test casing to 800# for 30 minutes, record test on a chart. TOH with tubing.

4. RU BlueJet wireline unit. Regardless of casing test results, run a CBL from 7000' to 100' above the top of cement outside the 4-1/2" casing (±4275' by temperature survey). If CBL looks good, then run BlueJet GSL over the Mesaverde interval from 7000' to 6000'. If CBL does not look good, contact Phillips engineer for directions. CBL will be used to determine if it is possible to get a good GSL. Evaluation of well (casing integrity, CBL and GSL) will determine whether to T/A the Dakota or P&A the entire well bore.

5. If the engineer decides to only TA the well then continue by setting plug #1 to isolate the Dakota perforations and plug #2 to cover the Gallup top.

6. **Plug #1 (Dakota top, 8674' – 8624'):** TIH with tubing and tag CIBP at 8674'. Mix 12 sxs cement and spot a balanced plug on top of CIBP to isolate the Dakota perforations and cover the top. PUH to 7440'. If the casing did not pressure test, then spot or tag plugs as appropriate.

7. **Plug #2 (Gallup top, 7440' – 7340'):** Mix 12 sxs cement and spot balanced plug inside the casing to cover the Gallup top. PUH to 7200' and reverse circulate well clean. Then TOH and LD the tubing. ND BOP and NU wellhead. RD and MOL.

PERMANENT ABANDONMENT:

8. If it is decided to fully P&A the well, then after plug #2, PUH to 6324'

9. **Plug #3 (Mesaverde top, 6324' – 6224'):** Mix 12 sxs cement and spot balanced plug inside the casing to cover the Mesaverde top. PUH to 4680'.

TEMPORARY ABANDONMENT OR
PLUG AND ABANDONMENT PROCEDURE

4/8/02

San Juan 29-5 Unit #91
Basin Dakota
1140' FNL & 1840' FEL, Section 35, T29N, R5W
Rio Arriba County, New Mexico

PERMANENT ABANDONMENT CONTIMUED:

10. **Plug #4 (7" Casing Shoe, 4680' –4580'):** Mix 12 sxs cement and spot balanced plug inside the casing to cover the 7" shoe. TOH with tubing.

11. **Plug #5 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 4201'- 3543'):** Perforate 3 squeeze holes at 4201' through 4-1/2" casing. Set a 4-1/2" cement retainer at 4151'. Mix and pump 76 sxs cement, squeeze 70 sxs into the 4-1/2" X 7" casing annulus to cover from 4201' to 3543', displace cement; then sting out of CR and leave 48 sxs inside 4-1/2" casing above the CR to cover through the Ojo Alamo top up to 33543'. TOH with tubing.

12. **Plug #6 (Nacimiento top, 2450' – 2350'):** Perforate 3 squeeze holes at 2450' through both the 4-1/2" and 7" casings. Set 4-1/2" cement retainer at 2400'. Mix and pump 53 sxs cement, squeeze: 26 sxs outside 7" casing, 15 sxs into the 4-1/2" x 7" annulus and leave 12 sxs inside the 4-1/2" casing to cover the Nacimiento top. TOH and LD tubing.

13. **Plug #7 (9-5/8" casing shoe, 443' - Surface):** Perforate 3 squeeze holes at 443'. Establish circulation out intermediate casing annulus and the bradenhead valve. Mix and pump approximately 150 sxs cement down 4-1/2" casing from 443' to surface, circulate good cement out both the intermediate casing and bradenhead valve. SI well and WOC.

14. ND BOP and cut off wellhead below surface casing. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

San Juan 29-5 Unit #91

Current

Basin Dakota

NE, Section 35, T-29-N, R-5-W, Rio Arriba County, NM

API # 30-039-21786

Long: / Lat:

Today's Date: **4-5-02**

Spud:8/13/78
Completed: 9/5/78
Elevation: 7459' GL

12-1/4" hole

9-5/8" 36#, K-55 Casing set @ 393'
Cement with 165 sxs, Circulated to surface

Nacimiento @ 2400' *
* Estimate

7" TOC @ 3300' (T.S.)

Ojo Alamo @ 3593'

Kirtland @ 3681'

Fruitland @ 3991'

Pictured Cliffs @ 4151'

8-3/4" hole

4-1/2" TOC @ 4275' (T.S.)

7" 20#/23#, J-55 Casing set @ 4630'
Cement with 175 sxs

Mesaverde @ 6274'

2-3/8" Tubing @ 8721'
(279 joints, EUE, F-nipple @ 8688')

Gallup @ 7390'

Dakota @ 8722'

Dakota Perforations:
8724' – 8736'

PBTD 8830'

4-1/2" 10.5#/11.6#, Casing set @ 8827'
Cement with 345 sxs

6-1/4" Hole

TD 8750'

Well History

Well SI from 9/84 to 11/85 for overproduction, but pre-SI rates never recovered. This well has been swabbed numerous times since completed and before WO in '97 it was assumed to have a casing leak.

Aug '97: Pull tubing, set RBP, pressure test casing to 500#, no leak found. Perforate and acidize Dakota 8724' – 8740'. Clean out and land tubing. Swabbed 50 bbls fluid, RU air package and clean out fill and 190 bbls water. Return to production.

Jun '01: Bradenhead test. Intermediate 720# and Casing 1200#, bled Intermediate down to nothing with no effect on casing. Bradenhead no pressure or blow.

San Juan 29-5 Unit #91

Proposed T&A

Basin Dakota

NE, Section 35, T-29-N, R-5-W, Rio Arriba County, NM

API # 30-039-21786

Long: / Lat:

Today's Date: **4-5-02**

Spud:8/13/78
Completed: 9/5/78
Elevation: 7459' GL

12-1/4" hole

9-5/8" 36#, K-55 Casing set @ 393'
Cement with 165 sxs, Circulated to surface

Nacimiento @ 2400' *
* Estimate

7" TOC @ 3300' (T.S.)

Ojo Alamo @ 3593'

Kirtland @ 3681'

Fruitland @ 3991'

Pictured Cliffs @ 4151'

4-1/2" TOC @ 4275' (T.S.)

8-3/4" hole

7" 20#/23#, J-55 Casing set @ 4630'
Cement with 175 sxs

Mesaverde @ 6274'

Plug #2: 7440' – 7340'
Cement with 12 sxs

Gallup @ 7390'

Set CIPB @ 8674'

Plug #1: 8674' – 8574'
Cement with 12 sxs

Dakota @ 8722'

Dakota Perforations:
8724' – 8736'

PBTD 8830'

4-1/2" 10.5#/11.6#, Casing set @ 8827'
Cement with 345 sxs

6-1/4" Hole

TD 8750'

San Juan 29-5 Unit #91

Proposed P&A

Basin Dakota

NE, Section 35, T-29-N, R-5-W, Rio Arriba County, NM

API # 30-039-21786

Long: / Lat:

Today's Date: **4-5-02**

Spud:8/13/78
Completed: 9/5/78
Elevation: 7459' GL

12-1/4" hole

Nacimiento @ 2400' *
* Estimate

Ojo Alamo @ 3593'

Kirtland @ 3681'

Fruitland @ 3991'

Pictured Cliffs @ 4151'

8-3/4" hole

Mesaverde @ 6274'

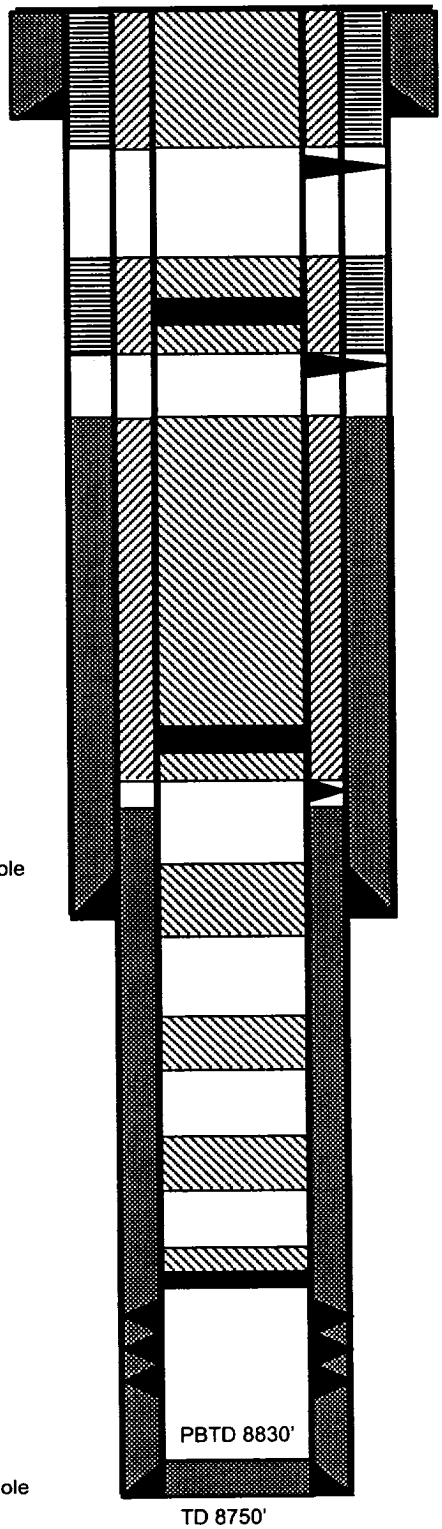
Gallup @ 7390'

Dakota @ 8722'

PBTD 8830'

6-1/4" Hole

TD 8750'



Plug #7: 443' – Surface
Cement with 150 sxs

9-5/8" 36#, K-55 Casing set @ 393'
Cement with 165 sxs, Circulated to surface

Perforate @ 443'

Plug #6: 2450' – 2350'
Cement with 56 sxs,
26 sxs outside 7",
15 in annulus and
12 inside 4-1/2" casing.

Cmt Retainer @ 2400'

Perforate @ 2450'

7" TOC @ 3300' (T.S.)

Plug #5: 4201' – 3543'
Cement with 124 sxs,
70 in 4-1/2X7" annulus
and 54 inside 4-1/2".

Cmt Retainer @ 4151'

Perforate @ 4201'

4-1/2" TOC @ 4275' (T.S.)

7" 20#/23#, J-55 Casing set @ 4630'
Cement with 175 sxs

Plug #4: 4680' – 4580'
Cement with 12 sxs

Plug #3: 6324' – 6224'
Cement with 12 sxs

Plug #2: 7440' – 7340'
Cement with 12 sxs

Plug #1: 8674' – 8574'
Cement with 12 sxs

CIPB @ 8674'

Dakota Perforations:
8724' – 8736'

4-1/2" 10.5#/11.6#, Casing set @ 8827'
Cement with 345 sxs