Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT - " for such proposals

**SUBMIT IN TRIPLICATE**

5. Lease Designation and Serial No.
SF-078277

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
San Juan 29-5 Unit

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

8. Well Name and No.
SJ 29-5 #20A

2. Name of Operator
Phillips Petroleum Company

9. API Well No.
30-039-21341

3. Address and Telephone No.
5525 Highway 64, NBU 3004, Farmington, NM 87401 505-599-3454

10. Field and Pool, or exploratory Area
Blanco Mesaverde

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Unit F, 1850' FNL & 1850' FWL
Section 7, T29N, R5W

11. County or Parish, State
Rio Arriba, NM

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

| TYPE OF SUBMISSION | TYPE OF ACTION | |
|---|---|---|
| ☐ Notice of Intent | ☐ Abandonment | ☐ Change of Plans |
| ☒ Subsequent Report | ☐ Recompletion | ☐ New Construction |
| ☐ Final Abandonment Notice | ☐ Plugging Back | ☐ Non-Routine Fracturing |
| | ☐ Casing Repair | ☐ Water Shut-Off |
| | ☐ Altering Casing | ☐ Conversion to Injection |
| | ☒ Other Add Pay | ☐ Dispose Water |

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

See attached for the procedure used to frac the Lewis Shale portion of the Mesaverde formation.

RECEIVED
JUN 13 1996
OIL CON. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct
Signed [signature] Title Envir./Regulatory Engineer Date 6-5-96

(This space for Federal or State office use)
Approved by _____ Title _____ Date _____
Conditions of approval, if any:

ACCEPTED FOR RECORD
JUN 07 1996
FARMINGTON DISTRICT OFFICE
BY [signature]

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.

* See Instruction on Reverse Side

NMOCD

Procedure Used to Perforate and Stimulate the Lewis Shale
to Add Pay to the Mesaverde Formation on the
San Juan 29-5 #20A

5/21/96

MIRU Big A #18. RD WH & RU BOP. Test. COOH w/production tubing. RU Bluejet. RIH & set RBP @ 5250'. COOH. RIH & dump sand on RBP. COOH. Test to 500 psi. RIH & ran GR/CCL log from 3236' to 5236'. COOH. RIH & Perf as followed:

| | | | |
|---|---|---|---|
| 4210' - 4220' | 1 spf | 10 holes | 120° Phasing |
| 4220' - 4230' | 1 spf | 10 holes | 120° Phasing |
| 4475' - 4485' | 1 spf | 10 holes | 120° Phasing |
| 4395' - 4400' | 1 spf | 5 holes | 120° Phasing |
| 4605' - 4610 | 1 spf | 5 holes | 120° Phasing |
| | | 40 holes total | |

RD Bluejet. RIH w/4-1/2" fullbore packer and set @ 4156'. Spot 6 bbls of 15% HCL acid across perfs. POOH & set Packer 4155'. Frac'd well with the following:

59,934 gal 30# gel water
452,000 scf $N_2$ w/50% foam quality
228,960 # 20/40 Arizona sand.
1# stage to 6# stages
Treating pressure - max - 5490 psi, min - 3500 psi, avg - 5200 psi,
Avg. rate 25 bpm. ISIP 2240#.

Immediate flowback on ¼" choke for @ 18 hours. SI for 15 hours to buildup pressure. RD Frac head. Swabbed 3-1/2" tubing - 3 runs. Flowed back @ 90 more hours. COOH w/workstring. RIH & circ. sand out. Release RBP @ 5250'. Had to circ. sand w/$N_2$. Landed tubing as follows:

2-3/8" exp. check set @ 5714'; FN w/1.81 profile set @ 5682'; Blast jts - 4204'-4234'; 4386'-4405'; 4468'-4488'; 4600'-4620'; 2-3/8" sliding sleeve w/1.87 profile set @ 4138'; No packer in hole.

RD Big A #18, Rig release @ 1330 hrs on 5/30. Well put on line 5/30/96 producing from both the Lewis Shale and the original zone in the Mesaverde formation. Production @ 347 mcfd.

295#20af.prc

District I
P O Box 1980, Hobbs, NM
District II
P O Drawer DD, Artesia, NM
District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Denny G. Foust
DEPUTY OIL & GAS INSPECTOR

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

SEP 08 1995

SUBMIT 1 COPY TO APPROPRIATE DISTRICT OFFICE AND 1 COPY TO SANTA FE OFFICE

RECEIVED
SEP 19 1994
OIL CON. DIV.
DIST. 3

Pulled
C-134
Approved

# PIT REMEDIATION AND CLOSURE REPORT

**Operator:** Williams Field Services **Telephone:** 801-584-6999

**Address:** 295 Chipeta Way Salt Lake City, UT 84158

**Facility Or: Well Name** SJ 29-5 # 20A

**Location:** Unit or Qtr/Qtr Sec F Sec 7 T 29N R 5W County RIO ARRIBA

**Pit Type:** Separator ___ Dehydrator X Other ___

**Land Type:** BLM ___, State ___, Fee ___, Other Gene Gomez

**Pit Location:** (Attach diagram)
Pit dimensions: length 33', width 16', depth 3'
Reference: wellhead X, other ___
Footage from reference: 58'
Direction from reference: 220 Degrees ___ East North X of X West South ___

| | | |
|---|---|---|
| **Depth To Ground Water:** (Vertical distance from contaminants to seasonal high water elevation of ground water) | Less than 50 feet (20 points)<br>50 feet to 99 feet (10 points)<br>Greater than 100 feet (0 Points) | 10 |
| **Wellhead Protection Area:** (Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources) | Yes (20 points)<br>No (0 points) | 0 |
| **Distance To Surface Water:** (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches) | Less than 200 feet (20 points)<br>200 feet to 1000 feet (10 points)<br>Greater than 1000 feet (0 points) | 0 |
| | **RANKING SCORE (TOTAL POINTS):** | 10 |

**Date Remediation Started:** _____ **Dated Completed:** _____

**Remediation Method:** (Check all appropriate sections) Excavation ___ Approx. cubic yards _____

Landfarmed ___ Insitu Bioremediation ___

Other _____

_____

**Remediation Location:** (ie. landfarmed onsite, name and location of offsite facility) Onsite___ Offsite _____

_____

**General Description Of Remedial Action:** _____

Site Assessment in accordance with OCD and BLM guidance document.

_____

_____

_____

_____

**Ground Water Encountered:** No X Yes ___ Depth _____

**Final Pit: Closure Sampling:** (if multiple samples, attach sample results and diagram of sample locations and depths)

Sample location Standard Triangle from pit floor.

_____

Sample depth 3'

Sample date 6-8-94 Sample time 6:05p

Sample Results

Benzene(ppm) _____

Total BTEX(ppm) _____

Field headspace(ppm) 88

TPH 450

**Ground Water Sample:** Yes ___ No X (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 9-6-94

SIGNATURE H J Bauerle PRINTED NAME AND TITLE Lee Bauerle, Environmental Spec.

# ORGANIC ANALYSIS REPORT

AMERICAN
WEST
ANALYTICAL
LABORATORIES

463 West 3600 South
Salt Lake City, Utah
84115

(801) 263-8686
Fax (801) 263-8687

Client: Mile High Environmental
Date Sampled: June 8, 1994
Date Received: June 14, 1994
Set Description: Forty-Five Solid Samples

Set Identification #: 18743
Contact: Mark Harvey
Received By: Elona Hayward

| Analysis Requested: | Method Ref. Number: | Date Extracted: |
|---|---|---|
| Total Recoverable Petroleum Hydrocarbons | EPA 418.1 (Extraction Infrared Absorption) | June 20, 1994 |

| Lab Sample ID. Number: | Field Sample ID. Number: | Date Analyzed: |
|---|---|---|
| 18743-34 | Vulnerable Area Pit Location SJ 29-5 #20A 86964 | June 22, 1994 |

## Analytical Results — Total Recoverable Petroleum Hydrocarbons

Units = mg/kg (ppm)

| Compound: | Detection Limit: | Amount Detected: |
|---|---|---|
| Total Recoverable Petroleum Hydrocarbons | 5.0 | 450. |

<Value = None detected above the specified method detection limit, or a value that reflects a reasonable limit due to interferences.

Released by: _____
Laboratory Supervisor

Report Date 6/27/94