

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

RECEIVED
JAN 25 1999
OIL CON. DIV.
DIST. 3

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

2. Name of Operator
Phillips Petroleum Company

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Unit K, 1650' FSL & 1650' FWL
Section 27, T29N, R6W

5. Lease Designation and Serial No.

NM-03040-A

6. If Indian, Allottee or Tribe Name

If Unit or CA, Agreement Designation

San Juan 29-6 Unit

7. Well Name and No.

SJ 29-6 Unit #46

8. API Well No.

30-039-07526

10. Field and Pool, or exploratory Area

Blanco Mesaverde

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

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Add pay & stimulate
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ 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 add additional perms and stimulate in the Menefee interval and then add pay and stimulate the Lewis Shale interval within the existing Mesaverde formation.

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BLM
99 JAN -8 PM 12:21
OTO FARMINGTON, NM

14. I hereby certify that the foregoing is true and correct

Signed Patsy Clugston Title Regulatory Assistant Date 1/6/99

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

ACCEPTED FOR RECORD

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.

JAN 21 1999

* See Instruction on Reverse Side

NMOC

FARMINGTON DISTRICT OFFICE

San Juan 29-6 Unit #46
NM-03040-A; Unit K, 1650' FSL & 1650' FWL
Section 27, T29N, R6W; Rio Arriba County, NM

**Procedure used perf additional Mesaverde perfs and acidize and then
add pay & stimulate the Lewis Shale interval in the existing Mesaverde formation.**

12/18/98

MIRU Key Energy # 40. ND WH & NU & PT BOPs. RU all 1-1/4" handling equipment. Killed well w/20 bbls water & unseated 1-1/4" tbg hanger. COOH laying down 1-1/4" tubing. RIH w/bit & scraper & tagged down to 4' fill on PBTD @ 5558'. COOH. RIH w/7" RP & set @ 30'. PT to 500 psi – OK. ND BOPs & ND original tubing head. Repaired tubing head. NU tubing head. PT – 1500 psi – OK. NU BOPs. Pumped 30 bbls water to kill well. Released packer & COOH. RU Blue Jet WL & set CIBP @ 5414'. Perf'd Mesaverde intervals Menefee @ 1spf (.31") Dia. 120 degree phased holes as follows:

5405', 5403', 5401', 5398', 5339', 5337', 5329', 5326', 5289', 5287', 5249', 5247',
5167', 5165', 5162', 5159', 5152', Total 17 holes.

RIH w/packer & set @ 5113'. Acidize Menefee perfs with 30 bbls of 15% HCL & ballsealers. Surged balls off and retrieved balls. COOH w/packer. RIH w/RBP & set @ 5000'. PT RBP – OK. Spot 10 bbls sand on top of RBP @ 5000'. COOH. RIH & ran GR/CCL/CBL from 5000' to surface. RU to perforate Lewis Shale @ 1 spf (.38" holes) 120 degree phased holes as follows: (Huerfanito Bentonite not present, equivalent stratigraphic depth is 3850').

4520' – 4523' (3');	4485' – 4488' (3');	4430' – 4433' (3');	4340' – 4343' (3');
4235' – 4238' (3');	4215' – 4218' (3');	4180' – 4183' (3');	4110' – 4113' (3');
4015' – 4018' (3');	3965' – 3968' (3');	3945' – 3948' (3');	3920' – 3923' (3');

36 Holes Total

GIH w/4 1/2" packer & set @ 3728'. PT casing annulus & packer to 500 psi – OK. RU to Acidize Lewis Shale interval. Pumped 16 bbls 2% KCl water & then 1000 gals of 15% HCL acid & ballsealers. Knocked balls off & COOH w/packer.

RIH & set 4 1/2" packer & set @ 3395'. PT – OK. FU to frac Lewis Shale. Pumped 60 Quality N₂ foam and additives, 30# X-link gel & 868,000 scf N₂. Pumped a 100 bbl foam pad followed by 197,360# of 20/40 Brady sand. Flushed w/54 bbls of 2% KCL H₂O @ 23 BPM. ATR – 45 bpm, ATP – 2100 psi. ISDP – 500 psi. Flowed back on 1/4" & 1/2" choke for approximately 36 hrs.

Released packer and COOH. RIH & cleaned out to RBP @ 5000'. Released RBP & COOH. RIH & tagged CIBP @ 5414'. Drilled out CIBP. Circulated hole w/air & mist. Cleaned out to PBTD @ 5562'. GIH w/2-3/8" 4.7# J-55 tubing and ste @ 5523' with "F" nipple set @ 5490'. ND BOPs & NU WH. Pumped off exp. check. RD & released rig 12/29/98. Turned well over to production department.

Denny E. Faust
DEPUTY OIL & GAS INSPECTOR

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

MAY 04 1998

OK

PIT REMEDIATION AND CLOSURE REPORT*Approved*

Operator: Phillips Petroleum (Williams Field Services)

Telephone: (801) 584-6361

Address: P.O. Box 58900, Salt Lake City, Utah 84158-0900

WellName: SJ 29-6 UNIT #46

(86444)

Location: Unit or Qtr/Qtr Sec ^KL Sec 27 T 29N R 6W County Rio Arriba

PitType: Dehydrator

LandType: Fee

Pit Location: Pit dimensions: length 16ft., width 16ft., depth 6ft.

(Attach diagram)

Reference: Wellhead

Footage from reference: 114ft.

Direction from reference: 71 Degrees West of North

Depth To Ground Water:

(Vertical distance from
contaminants to seasonal
high water elevation of
ground water)

Less than 50 feet	(20 points)
50 feet to 99 feet	(10 points)
Greater than 100 feet	(0 points) <u>10</u>

Wellhead Protection Area:

(Less than 200 feet from a private
domestic water source, or; less than
1000 feet from all other water sources)

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DIST. 3

Yes	(20 points)
No	(0 points) <u>0</u>

Distance To Surface Water:

(Horizontal distance to perennial
lakes, ponds, rivers, streams, creeks, irrigation
canals and ditches)

Less than 200 feet	(20 points)
200 feet to 1,000 feet	(10 points) <u>0</u>

Ranking Score (TOTAL POINTS): 10

Date Remediation Started: 11/14/96**Date Completed:** 11/25/96Excavation ☒

Approx. Cubic Yard 60

Landfarmed ☒Insitu Bioremediation ☐

Other

Landfarmed soil after mechanical aeration.

Remediation Location:Onsite ☒ Offsite(ie. landfarmed onsite,
name and location of
offsite facility)**General Description Of Remedial Action:**

The pit was excavated to remove gross petroleum contamination. The excavated material was mechanically aerated, mixed with fertilizer, and placed into an onsite landfarm. After remediation goals were confirmed, the soil was returned to the excavation.

Ground Water Encountered: No**Final Pit:**

Sample location SJ 29-6 #46-V-EX-01

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

A composite sample, made up of 4 points from each excavation face, was collected..

Sample depth Up to 6 feet

Sample date 11/16/96

Sample time 07:20

Sample Result

Benzene (ppm) 1.16

Total BTEX (ppm) 24.7

Field Headspace (ppm)

TPH (ppm) <18.9

Ground Water Sample: No

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

DATE 3/21/97

SIGNATURE

PRINTED NAME
AND TITLE

MARK HARVEY, PROJECT COORDINATOR

PIT RETIREMENT FORM

Date: 11/14/96

Weather 60° PARTLY CLOUDY

Well Name SJ 29-6 #46 Operator PHILLIPS PETROLEUM Sec 27 T29N R6W U16S02W

Land Type: BLM STATE FEE INDIAN

County RIO ARriba

One Call Made (505-765-1234)? Y N

Line Marking Evident? Y N

Pit Location:

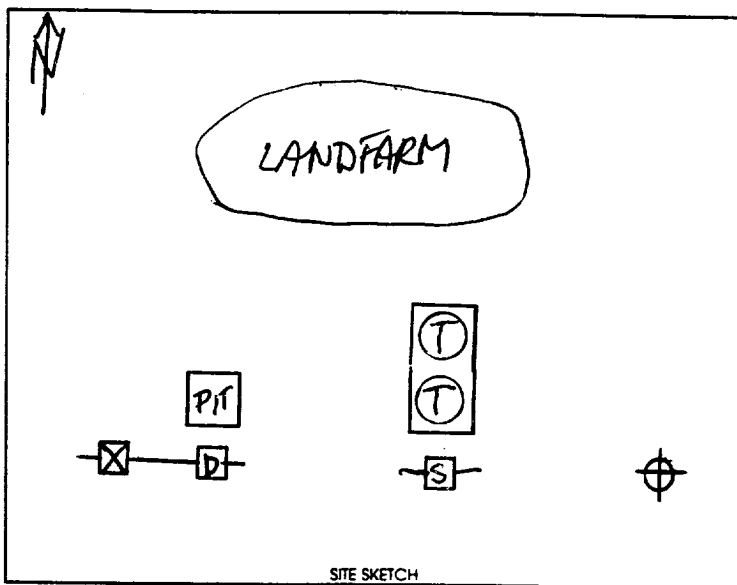
Reference Wellhead X Other _____

Distance from: 114'

Direction: 71° Degrees _____ E N X
of
X W S _____

Starting Pit Dimensions 10' x 10' x 2'

Final Pit Dimensions 16' x 16' x 6'



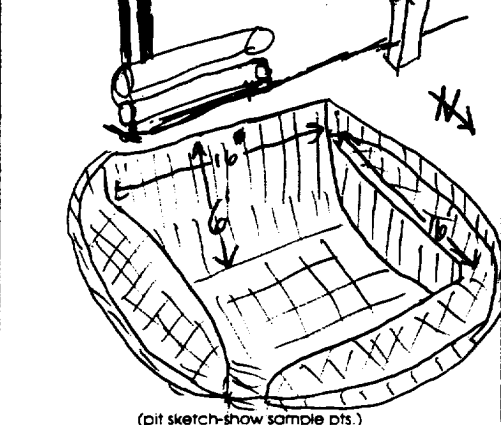
Organic Vapor Readings: Start _____ Soil Description: DARK BROWN CLAY
 @ 2' _____
 @ 4' _____
 @ 6' _____
 @ 8' _____
 @ _____
 @ _____

Well Proximity To: Residence, Domestic Water Well, Stock Well NONE
 Arroyo, Wash, Lake, Stream ARROYO APPROXIMATELY 250 FEET SOUTH
 Estimated or Known Distance to Ground Water _____

Source of Backfill (if other than processed material) _____

Samples collected: Type _____ Progress: Verification: ID SJ29-6 #46-V-EX-01 soil / water
 Progress: Verification: ID SJ29-6 #46 V-LF-01 soil / water
 Progress: Verification: ID _____ soil / water

Sample sent to Lab Via: Courier Hand Carried Other _____ Preservative: ICE Other _____



Comments: SET UP, EXCAVATE, SHRED SOIL W/ FERTILIZER ADDED. LANDFARMED PROCESSED SOIL ON SITE. LANDFARMED MATERIAL WAS USED AS BACKFILL FOR EXCAVATION.

Soil Shipped to: _____
 Prepared by: [Signature]



Organic Analysis - Pit Closure

Williams Field Services

Project ID: OCD Pits
Sample ID: SJ 29-6 #46-V-LF-01
Lab ID: 5682
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Report Date: 11/22/96
Date Sampled: 11/16/96
Date Received: 11/18/96
Date Extracted: 11/19/96
Date Analyzed: 11/20/96

Target Analyte	Concentration (mg/kg)	Detection Limit (mg/kg)
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Total Aromatic Hydrocarbons

49.5

Benzene	1.00	0.60
Toluene	17.6	0.60
Ethylbenzene	2.07	0.60
m,p-Xylenes	24.1	1.19
o-Xylene	4.79	0.60

Total Recoverable Petroleum Hydrocarbons

ND

20.8

Quality Control:

Surrogate

Percent Recovery

Acceptance Limits

Trifluorotoluene	116	81 - 117%
Bromofluorobenzene	105	74 - 121%

Reference:

Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics;
Test Methods for Evaluating Solid Wastes, SW-846, United States
Environmental Protection Agency, Final Update I, July, 1992.

Method 3550 - Sonication Extraction; Test Methods for Evaluating Solid Waste,
SW-846, United States Environmental Protection Agency, September, 1986;
Method 418.1 - Petroleum Hydrocarbons, Total Recoverable; Chemical Analysis of
Water and Waste, United States Environmental Protection Agency, 1978.

Comments:

Review



Organic Analysis - Pit Closure

Williams Field Services

Project ID: OCD Pits
Sample ID: SJ 29-6 #46-V-EX-01
Lab ID: 5681
Sample Matrix: Soil
Preservative: Cool
Condition: Intact

Report Date: 11/22/96
Date Sampled: 11/16/96
Date Received: 11/18/96
Date Extracted: 11/19/96
Date Analyzed: 11/20/96

Target Analyte	Concentration (mg/kg)	Detection Limit (mg/kg)
Total Aromatic Hydrocarbons	24.7	
Benzene	1.16	0.62
Toluene	8.62	0.62
Ethylbenzene	0.97	0.62
m,p-Xylenes	11.3	1.23
o-Xylene	2.66	0.62
Total Recoverable Petroleum Hydrocarbons	ND	18.9

Quality Control:	<u>Surrogate</u>	<u>Percent Recovery</u>	<u>Acceptance Limits</u>
	Trifluorotoluene	106	81 - 117%
	Bromofluorobenzene	102	74 - 121%

Reference: Method 5030, Purge and Trap; Method 8020, Aromatic Volatile Organics;
Test Methods for Evaluating Solid Wastes, SW-846, United States
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Comments:

Review