

Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Artesia, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department

Revised 06/95

Oil Conservation Division

2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

SUBMIT ORIGINAL
PLUS 2 COPIES
TO APPROPRIATE
DISTRICT OFFICE

APPLICATION FOR WELL WORKOVER PROJECT

RECEIVED
JUL 12 1999

OIL CON. DIV.

I. Operator and Well

Operator name & address Phillips Petroleum 5525 Hwy. 64 Farmington, NM 87401							GRID Number 017654	
Contact Party Patsy Clugston							Phone 505-599-3454	
Property Name San Juan 29-6 Unit					Well Number 9		API Number 30-039-07476	
UL	Section	Township	Range	Feet From The	North/South Line	Feet From The	East/West Line	County
M	36	29N	6W	990	South	990	West	Rio Arriba

II. Workover

Date Workover Commenced: 9/2/98	Previous Producing Pool(s) (Prior to Workover):
Date Workover Completed: 9/9/98	

III. Attach a description of the Workover Procedures performed to increase production.

IV. Attach a production decline curve or table showing at least twelve months of production prior to the workover and at least three months of production following the workover reflecting a positive production increase.

V. AFFIDAVIT:

State of New Mexico)
) ss.

County of San Juan)

Patsy Clugston, being first duly sworn, upon oath states:

1. I am the Operator, or authorized representative of the Operator, of the above-referenced Well.
2. I have made, or caused to be made, a diligent search of the production records reasonably available for this Well.
3. To the best of my knowledge, this application and the data used to prepare the production curve and/or table for this Well are complete and accurate.

Signature Patsy Clugston Title Regulatory Assistant Date 7/1/99
SUBSCRIBED AND SWORN TO before me this 1st day of July, 1999

Nancy J. Brown
Notary Public

My Commission expires: 10-8-2001

FOR OIL CONSERVATION DIVISION USE ONLY:

VI. CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a Well Workover Project and the Division hereby verifies the data shows a positive production increase. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project was completed on 9/9/98.

Signature District Supervisor <u>SSJ</u>	OCD District <u>3</u>	Date <u>7/16/99</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: _____

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I

P.O. Box 1980, Hobbs NM 88241-1980

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO. 30-039-07476	
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No. E-289-3	
7. Lease Name or Unit Agreement Name San Juan 29-6 Unit 009257	
8. Well No. SJ 29-6 Unit #9	
9. Pool name or Wildcat Blanco Mesaverde 72319	
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	

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 ☐ GAS WELL ☒ OTHER 017654

2. Name of Operator
Phillips Petroleum Company

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

4. Well Location
Unit Letter M : 990 Feet From The South Line and 990 Feet From The West Line
Section 36 Township 29N Range 6W NMPM Rio Arriba County

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: Add pay and stimulate ☒

12. 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.

See attached for the procedure used to add additional perms and acidize the Menefee zone and then add pay and stimulate the Lewis Shale interval all within the existing Mesaverde formation.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: Patsy Clugston TITLE: Regulatory Assistant DATE: 9/11/98

TYPE OR PRINT NAME: Patsy Clugston TELEPHONE NO.: 505-599-3454

(This space for State Use)

APPROVED BY: TITLE: DATE:

CONDITIONS OF APPROVAL, IF ANY:

San Juan 29-6 Unit #9
E-289-3; Unit M, 990' FSL & 990' FWL
Section 36, 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.**

9/2/98

MIRU Big A # 29. Killed well. ND WH & NU BOPs. COOH w/2-3/8" tubing. RU Blue Jet WL & set CIBP @ 5510'. Perf'd Mesaverde intervals Menefee @ 1spf (.31") Dia. 120 degree phased holes as follows:

5478', 5475', 5445', 5433', 5430', 5412', 5410', 5404', 5375', 5372', 5370', 5327',
5323', 5320', 5317', 5292', 5289' **Total 17 holes**

RIH w/FBPKr & set @ 5500'. Acidize Menefee perfs with 756 gal of 15% HCL & ballsealers. Surged balls off and retrieved balls. COOH w/packer. RIH w/RBP & set @ 5100'. Load hole w/45 bbls of 2% KCL & circulated gas out. PT RBP to 500 psi - 30 min. Good test. RU BlueJet & ran cased hole GR,CCL,CBL log under pressure from 5085' to surface - TOC - 3920'. RU to perforate Lewis Shale @ @ 1 spf (.38" holes) 120 degree phased holes as follows: (Huerfanito Bentonite not present, equivalent stratigraphic depth is 3791').

4714' - 4717' (3');	4591' - 4594' (3')	4569' - 4572' (3');	4543' - 4546' (3');
4522' - 4525' (3');	4517' - 4520' (3');	4445' - 4448' (3');	4407' - 4410' (3');
4384' - 4387' (3');	4375' - 4378' (3');	4274' - 4277' (3');	4178' - 4181' (3');

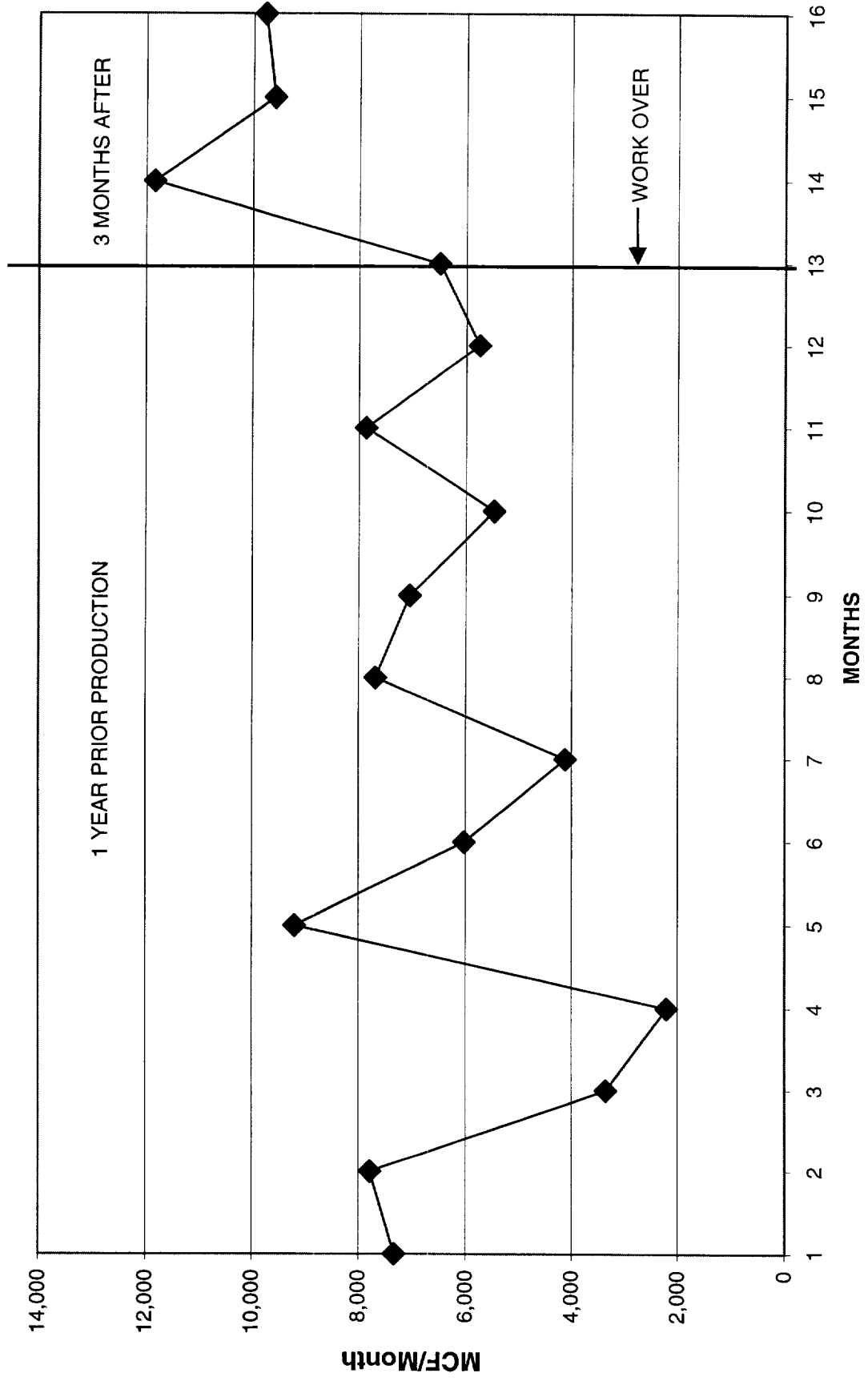
36 Holes

GIH w/4 1/2" packer & set @ 3986'. PT casing annulus & packer to 500 psi - OK. RU to Acidize Lewis Shale interval. Pumped 1000 gal of 15% HCL acid & ballsealers. Knocked balls off & COOH w/packer.

RIH & set 4 1/2" packer @ 62'. PT casing annulus -OK. RU to frac Lewis Shale. Pumped 75,300 gal 60 Quality N2 foam consisting of 32,000 gal of 30# X-link gel & 948,000 scf N2. Pumped a 5600 gal pad followed by 195,000 # 20/40 Brady sand. ATP - 2400 psi, ATR - 40 bpm. ISPD - 400 psi. Flowed back on 1/4" & 1/2" chokes for approximately 39 hours.

Released packer and COOH. RIH & cleaned out to RBP @ 5100'. COOH w/RBP. RIH & tagged CIBP @ 5510'. Drilled out CIBP and circulated bottoms up. RIH with 2-3/8" 4.7# tubing and set @ 5602' with "F" nipple set @ 5569'. ND BOPs & NU WH. Pumped off exp. check. RD & released rig 9/9/98. Turned well over to production department.

29-6 #9 Workover Production Increase



API #	29-6 #9	MCF/Month
30-039-07476	1	7,335
	2	7,781
	3	3,349
	4	2,209
	5	9,197
	6	6,029
	7	4,120
	8	7,685
	9	7,051
	10	5,470
	11	7,864
	12	5,751
WORK OVER →	13	6,503
	14	11,839
	15	9,588
	16	9,769