

1993-1994 FORM C-140
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Amarillo, NM 87410
District IV - (505) 827-7131

NEW MEXICO
Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

FORM C-140
Revised 06/95

SUBMIT ORIGINAL
PLUS 2 COPIES
TO APPROPRIATE
DISTRICT OFFICE

APPLICATION FOR
WELL WORKOVER PROJECT

RECEIVED
JUL 12 1999

OIL CON. DIV.
DIST. 3

I. Operator and Well								
Operator name & address Phillips Petroleum 5525 Hwy. 64 Farmington, NM 87401						OGRID Number 017654		
Contact Party Patsy Clugston						Phone 505-599-3454		
Property Name San Juan 29-5 Unit						Well Number 37A	API Number 30-039-22671	
UL E	Section 31	Township 29N	Range 5W	Feet From The 1810	North/South Line North	Feet From The 980	East/West Line West	County Rio Arriba

II. Workover	
Date Workover Commenced: 8/17/98	Previous Producing Pool(s) (Prior to Workover): Blanco Mesaverde
Date Workover Completed: 8/24/98	

- 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)
County of San Juan) ss.
Patsy Clugston, being first duly sworn, upon oath states:

- I am the Operator, or authorized representative of the Operator, of the above-referenced Well.
- I have made, or caused to be made, a diligent search of the production records reasonably available for this Well.
- 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.

My Commission expires: 10-8-2001

Nancy J. Brown
Notary Public

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 8/24/98.

Signature District Supervisor <u>SS. Z</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

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

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

WELL API NO. 30-039-22671	
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>	
6. State Oil & Gas Lease No. -	
7. Lease Name or Unit Agreement Name San Juan 29-5 Unit 009256	
8. Well No. SJ 29-5 Unit #37A	
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 E 18810 Feet From The North Line and 980 Feet From The West Line
Section 31 Township 29N Range 5W 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 pay and stimulate the Lewis Shale interval within the existing Mesaverde formation.

RESOLVED
OIL CONSERVATION DIVISION

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: 8-31-98
TYPE OR PRINT NAME: Patsy Clugston TELEPHONE NO.: 505-599-3454

(This space for State Use)

APPROVED BY: DEPUTY CHIEF OF BUREAU TITLE: DEPUTY CHIEF OF BUREAU DATE: 8-31-98
CONDITIONS OF APPROVAL, IF ANY:

San Juan 29-5 #37A
Fee; Unit E, 1810' FNL & 980' FWL
Section 31, T29N, R5W; Rio Arriba County, New Mexico

Procedure used to perf & stimulate the Lewis Shale interval in the existing Mesaverde formation.

8/17/98

MIRU Big A #40. Killed well. ND WH & NU BOPs. COOH w/2-3/8" tubing. RIH w/bit & scraper and tag down to 5633'. COOH. RIH w/4 1/2" CIBP & set @ 5050'. Load hole w/2% KCl & PT casing to 500 psi for 30 min. - Good test. COOH.

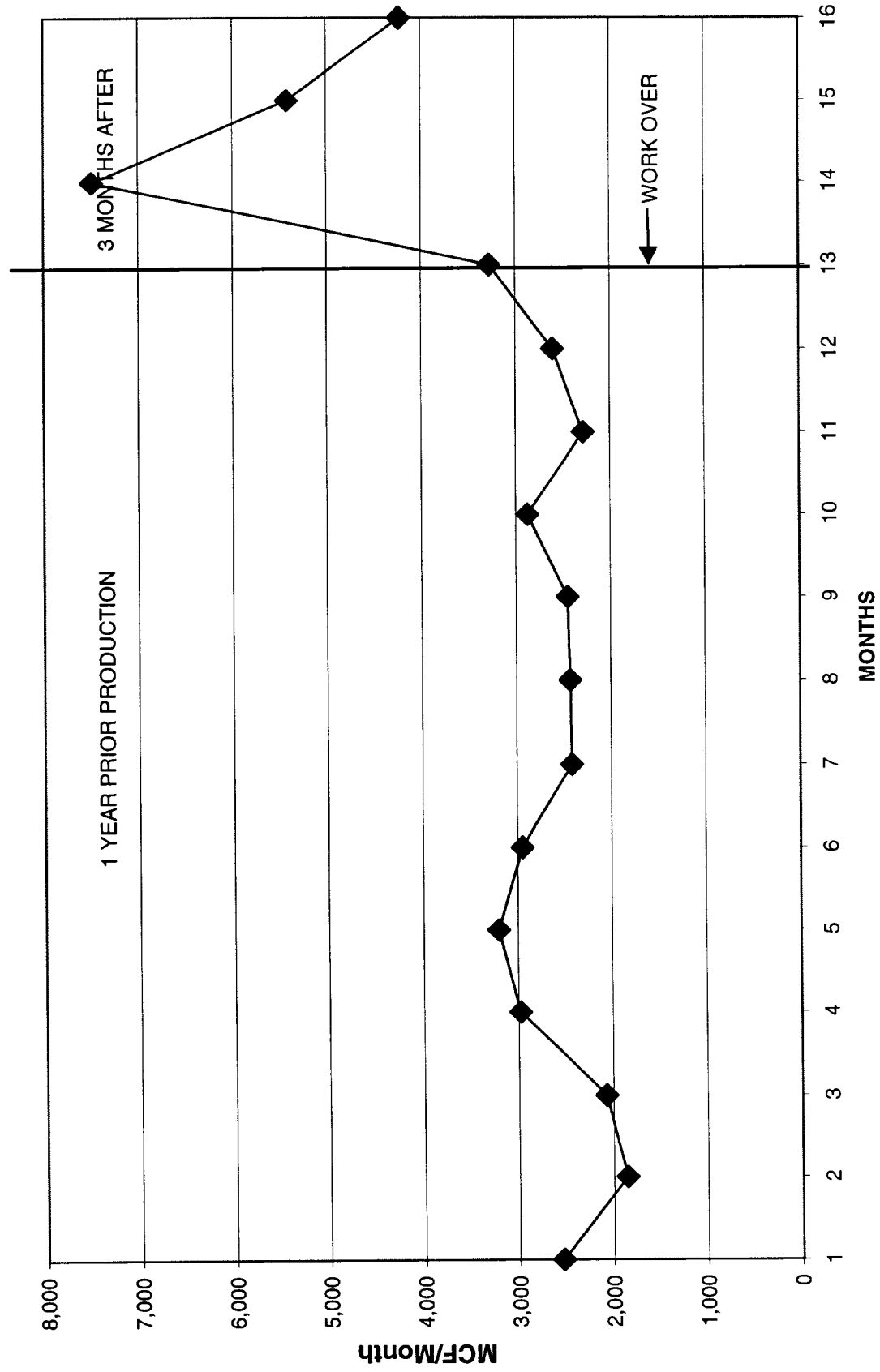
RU Blue Jet & logged well. Ran GR/CCL/CBL from 5055 - 3438' (liner top). Good bond. Logged from 3438' to surfac. TOPC 500'. RU & perf'd the Lewis Shale interval @ 1spf (.38") with 120 degree phased as follows: (Huerfanito Bentonite not present, equivalent stratigraphic depth is 3725').

4633' - 4636' (3');	4557' - 4560' (3');	4547' - 4550' (3');	4527' - 4530' (3');
4508' - 4511' (3');	4489' - 4492' (3');	4426' - 4429' (3');	4384' - 4387' (3');
4370' - 4373' (3');	4352' - 4355' (3');	4332' - 4335' (3');	4114' - 4117' (3'); Total 36 holes

RIH w/FB packer & set @ 3925'. PT - OK. RU BJ to acidize Lewis Shale interval. Pumped 1000 gal 15% HCL & ballsealers. Knocked off and retrieved balls. POOH w/packer. RIH & set 4 1/2" packer @ 3448'. PT casing annulus to - OK. RU to frac Lewis Shale. Pumped 74,000 Gal 60 Quality N2 30#X-link Borate foam w/204,080 # 20/40 Brady sand. Total N2 - 862,000 scf, total fluid to recover 704 bbls. ATP - 2550 psi, ATR - 45 bpm. ISIP 600 psi. Flowed back immediately on 1/4" chokes for approximately 42 hours.

Released & COOH w/packer. RIH w/2-3/8" 4.7# tubing and cleaned out to 5050' (CIBP). Drilled out CIBP & circulated & chased CIBP to to 5633'. Cleaned out to PBTD - 5643'. Landed tubing @ 5515' with "F" nipple set @ 5481'. ND BOPs & NU WH. Pumped off exp check. RD & released rig 8/24/98. Turned well over to production department.

29-5 #37A Workover Production Increase



API #	29-5 # 37A	MCF/Month
30-039-22671	1	2,534
	2	1,854
	3	2,072
	4	2,976
	5	3,201
	6	2,948
	7	2,418
	8	2,431
	9	2,456
	10	2,877
	11	2,285
	12	2,605
WORK OVER →	13	3,277
	14	7,493
	15	5,422
	16	4,228