

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

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 L, 1450' FSL & 1050' FWL
Section 35, T31N, R8W

5. Lease Designation and Serial No.

NM-012641

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

Blanco

8. Well Name and No.

Blanco #7

9. API Well No.

30-045-60250

10. Field and Pool, or exploratory Area

Blanco Mesaverde

11. County or Parish, State

San Juan, 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 Squeeze cement & add pay
☐ 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 the attached for the procedure used to squeeze cement to cover the Lewis Shale interval before adding pay and stimulating. The Lewis Shale interval is within the existing Mesaverde formation.

RECEIVED
JUN - 9 1999
OIL CON. DIV.
DIST. 3

RECEIVED
JUN 11 1999
070 FARMINGTON, NM
93 JUN - 14 PM 1:33

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

Signed

Patsy Clugston

Title

Regulatory Assistant

Date

6/2/99

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

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.

ACCEPTED FOR RECORD

* See Instruction on Reverse Side

JUN 07 1999

NMOC

FARMINGTON OFFICE

Blanco #7
NM-012641; Unit L, 1450' FSL & 1050' FWL
Section 35, T31N, R8W; San Juan County, New Mexico

Procedure used to perf & stimulate the Lewis Shale interval
after squeezing cement behind pipe.

5/7/99

MIRU Key Energy #40. Kill well w/2% KCL. ND WH & NU BOPs. COOH w/2-3/8" tubing. RIH w/bit & scraper and tag down to 5490'. Cleaned out fill to 5420'. RIH w/CIPB & set @ 5290'. Load hole & PT, 550 psi - OK. RU Blue Jet & ran GR/CCL/CBL from 5290 to surface. TOC - 5050'. Shot 4 squeeze holes @ 4925'. RU BJ to cement. RIH w/5" cement retainer & set @ 4889'. Pumped 50 sx Cl H cement w/2% CaCl₂ & 1/2# Flake @ 2 bpm @ 50 psi. Displaced w/18.5 bbl H₂O. Stung out of retainer & reversed 2 bbls of cement to pit. POOH. RU Blue Jet & ran GR/CBL from 4880 - 4700'. TOC 4810'. Shoot 4 squeeze holes @ 4765'. RIH & set 5" cement retainer @ 4735'. PT - OK. Pumped 150 sx Class H cement w/2% CaCl₂ 7 1/4# Flake. Displaced w/18.5 bbls H₂O. Stung out of retainer & reversed 2 bbls of cement to pit. POOH.

RU Blue Jet & ran CBL from 4730' - 4490' TOC 4650'. Shoot 4 squeeze holes @ 4195'. RU BJ to squeeze. Pumped 60 bbls of 2% KCl. RIH w/5" cement retainer & set @ 4165'. PT - OK. Pumped 150 sx Cl H cement w/2% CaCl₂ @ 15.6 ppg. Displaced with 10 bbls @ 2 bpm @ 1250 psi, then slowed down to 1 bpm for last 6 bbls. Final squeeze pressure 700 psi. Reversed 10 sx cement to pit. POOH.

Drilled out cement and retainers to last one at 4965'. POOH. RU Blue Jet and ran GR/CCL & CBL from 5280' - 2850'. TOC 2990'. RU to perf Menefee @ 1 spf (.31") holes as follows - Total 13 holes:

5264', 5259', 5228', 5226', 5224', 5191', 5188', 5183', 5168', 5165', 5133', 5125' & 5115'.

RU to acide Meneffe w/900 gal of 15% HCL acid. RU to frac. Pumped 42,401 gal slick water containing .7 gal per 1000 gal FRW-30 & 1.0 gal per 1000 gal of Flow-back 20. Pumped 4200 gal pad followed by 51,140 # 20/40 Brady sand. ATP - 2600 psi, ATR - 28 bpm. ISDP - 400 psi. RD Frac head. & unset packer & POOH. RIH & perf'd Cliffhouse @ 1 spf (.31") holes - Total 13 holes.

5016', 5014', 5010', 5006', 4995', 4986', 4985', 4982', 4970', 4968', 4932', 4928', 4924'

Set 5" CIBP @ 5032'. PT - OK. Spot with 100 gal w/15% HCL acid. Reset packer @ 4720'. Acidize Cliffhouse with 400 gal (9.5 bbls) of 15% HCL & ballsealers. Unset packer & knocked balls off. POOH w/packer. Reset packer @ 62'. RU BJ to frac Cliffhouse interval. Pumped 46,098 gal of slick water containing .7 gal per 1000 gal of FWR-30 & 1.0 gal per 1000 gal of Flo Back-20. Pumped a 4116 gal pad followed by 52,900 # of 20/40 Brady sand. ATR-30 bpm & ATP - 2100 psi. ISDP - 250 psi. RD frac head & unset packer & POOH.

RU Blue Jet & set 5" N-1 CIBP @ 4750'. Perforated Lewis Shale interval @ 1 spf (.38") holes as follows:

| | | | |
|---------------------|---------------------|---------------------|-----------------------------------|
| 4729' - 4732' (3'); | 4695' - 4698' (3'); | 4680' - 4683' (3'); | 4670' - 4673' (3'); |
| 4400' - 4403' (3'); | 4358' - 4361' (3'); | 4335' - 4338' (3'); | 4276' - 4279' (3'); |
| 4265' - 4268' (3'); | 4248' - 4251' (3'); | 4207' - 4210' (3'); | 4195' - 4198' (3') Total 36 holes |

RIH w/5" FB Packer & set @ 4738'. RU BJ to acidize Lewis perms. Pumped 1000 gal 15% HCl acid. RU to frac. Pumped 64,457 gal of 65 Quality N₂ foam consisting on 24,906 gal of 30# X-link gel & 811,000 scf N₂. Pumped 4200 gal foam pad followed by 197,000 # 20/40 Brady sand. ATR - 35 bpm, ATP - 2250 psi. ISDP - 1800 psi. Flowed back on 1/4" & 1/2" choke immediately for approx. 32 hours.

Unset packer & POOH. RIH, cleaned out & drilled out CIBPs @ 4750', 5032' & 5290'. RIH w/2-3/8" 4.7# tubing and cleaned out to 5544' (PBSD). PUH & land tubing @ 5435' with "F" nipple set @ 5401'. ND BOP & NU WH. PT - OK. Pumped off expendable check. RD & released rig 5/26/99. Turned well over to production department.