



Key Energy Services, Inc.

Four Corners Division
5651 US Highway 64
P.O. Box 900
Farmington, NM 87499

Phone: 505-327-4935
Fax: 505-327-4962

March 09, 2001

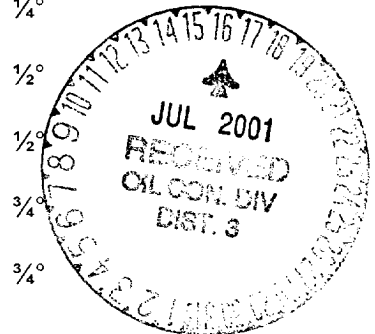
Rig No. 47

Phillips Petroleum Company
5525 Hwy 64 NBU 3004
Farmington, NM 87401

Attn: Patsy Clugston

This letter is to certify that Key Energy Services, Inc., did run deviation surveys at the listed depths on the San Juan 29-5 51M well in S19-T29N-R05W, in Rio Arriba, county, New Mexico.

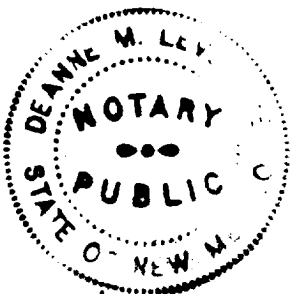
Depth	Deviation	Depth	Deviation
156'	1°	3815'	1°
708'	¾°	4332'	½°
1232'	½°	4922'	¾°
1729'	1°	5421'	¼°
2223'	1¼°	5919'	½°
2691'	1°	6414'	½°
3193'	1°	6909'	¾°
3690'	1°	7406'	¾°



To the best of my knowledge, I swear this information to be true.

Sincerely,

J.D. Griffith
Drilling contract manager



Notary Public

My commission expires:

6/26/02

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMSF078282

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

6. If Indian, Allottee or Tribe Name

2. Name of Operator
PHILLIPS PETROLEUM COMPANY

Contact: PATSY CLUGSTON
E-Mail: pclugs@bpl.com

7. Unit or CA Agreement Name and No.
NMMN78415B

3. Address 5525 HWY. 64
FARMINGTON, NM 87401

3a. Phone No. (include area code)
Ph: 505-999-3454 505-999-3452

8. Lease Name and Well No.
SAN JUAN 29-5 UNIT 51M

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface NENW 1185FNL 1835FWL

At top prod interval reported below

At total depth NENW 1185FNL 1835FWL

9. API Well No.
30-039-26562

10. Field and Pool, or Exploratory
BASIN DAKOTA

11. Sec., T., R., M., or Block and Survey
or Area Sec 19 T29N R5W Mer NMP

12. County or Parish
RIO ARRIBA

13. State
NM

14. Date Spudded
02/20/2001

15. Date T.D. Reached
03/01/2001

16. Date Completed
☐ D & A ☐ Ready to Prod
06/30/2001

17. Elevations (DF, KB, RT, GL)*
6679 GL

18. Total Depth: MD 8065
TVD 8065

19. Plug Back T.D.: MD 8046
TVD 8046

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☒ No ☐ Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Casing Top*	Amount Pulled
12.250	9.625 H-40	32.000		350		200	50	0	10
8.750	7.000 K-55	20.000		3830		570	231	0	20
6.250	4.500 I-80	12.000		8065		255	89	4090	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	8011							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BASIN DAKOTA	7941	8014	7941 TO 8014		30	O
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
7941 TO 8014	100,720 20/40 TLC SAND
7941 TO 8014	1500 GAL 7.5% HCL ACID
7941 TO 8014	60 QUALITY N2 SPECTRA FRAC W/4500 100 MESH &

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
07/06/2001	06/29/2001	24	→	0.0	657.0	0.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
.5		105.0	→		657			GSI	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #5508 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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1122001

Signature OFFICE

NMCO

K

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
FLARED

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
CLIFFHOUSE	5464	5546	SANDSTONE & SHALE	NACIMIENTO	1565
MENEFEE	5546	5796	SANDSTONE & SHALE	OJO ALAMO	2686
PT. LOOKOUT	5796	5965	SANDSTONE & SHALE	KIRTLAND	2879
DAKOTA	7950	8100	SANDSTONE & SHALE	FRUITLAND	3306
				PICTURED CLIFFS	3581
				LEWIS SHALE	3699
				CLIFFHOUSE	5464
				MENEFEE	5546
				PT. LOOKOUT	5796
				MANCOS	5965
				GREENHORN	7779
				GRANEROS	7829
				DAKOTA	7950

32. Additional remarks (include plugging procedure):

Plans are to add the MV interval once DK pressures stabilize. The DK/MV intervals will eventually be DHC per Order #11363. The DHC application will be submitted with the Dakota forecast before commingling occurs.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

**Electronic Submission #5508 Verified by the BLM Well Information System for PHILLIPS PETROLEUM COMPANY.
Sent to the Farmington. Committed to AFMSS for processing by Maurice Johnson on 07/11/2001 ()**

Name (please print) PATSY CLUGSTONTitle AUTHORIZED REPRESENTATIVE

Signature _____

Date 07/11/2001

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

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