

N.M. Oil Cons. DIV-Dist. 2

1301 W. Grand Avenue

Albuquerque, NM 88210

Form 3160-4
(April 2004)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: March 31, 2007

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

2. Name of Operator

CLAYTON WILLIAMS ENERGY, INC.

3. Address 3006 DESTA DRIVE, STE. 3000
MIDLAND, TX 797053a. Phone No. (include area code)
432/682-6324

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

At surface 990' FNL & 2410' FEL; B

At top prod. interval reported below SAME

At total depth SAME

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DEC 28 2004

OCCUPANCY

5. Lease Serial No.

NM-14847

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

PHILLIPS 19 FEDERAL #15

9. AFI Well No.

30-015-33503

10. Field and Pool, or Exploratory

EMPIRE, YESO (96210)

11. Sec., T., R., M., on Block and
Survey or Area

S 19; T-17-S; R 29-1

12. County or Parish

EDDY

13. State

NM

17. Elevations (DF, RKB, RT, GL)*

3681' GL

14. Date Spudded

11-10-04

15. Date T.D. Reached

11-21-04

16. Date Completed

☐ D & A☒ Ready to Prod.

18. Total Depth: MD

TVD 4227'

19. Plug Back T.D.: MD

TVD 4117'

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 report)Directional Survey? ☒ No ☐ Yes (Submit copy)

COMPENSATED NEUTRON DENSITY

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
11"	8 5/8"	24#	0'	415'		250 SX		SURF-CIRC	NONE
7 7/8"	5 1/2"	17#	0'	4227'					NONE
DV TOOL					2574'	975 SX			

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 7/8"	4117'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) YESO	3950'	4120'	3877'-4094'	.47		
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
3877'-4094'	TREATED W/1184 BBLs FRESH WATER GEL; 32.241 GALS 20% & 15% HCL GELLED & HEATED; 6580 GALS 15% HCL; FLUSH W/2% KCL WATER. TOTAL LOAD 2297 BBLs

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
11/30/04	12/04/04	24	→	86	166	612		39	PUMPING
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	50	50	→				193	PRODUCING	

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	
			→						

ACCEPTED FOR RECORD

DEC 23 2004

LES BABYAK
PETROLEUM ENGINEER

*(See instructions and spaces for additional data on page 2)

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.)

SOLD

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
SAN ANDRES	2800	2950	DOLOMITE: BROWN-DK; BROWN; FIRM-HARD BLOCKY W/TRACE CHERT & ANYHIDRITE	GRAYBURG	2065
				SAN ANDRES	2340
SAN ANDRES	3475	3600	DOLOMITE: TAN-DK BROWN MOLTED, V.F. CRYSTALLINE TO FINELY SUCROSIC	GLORIETTA	3759
YESO	3950	4120	DOLOMITE: LT. TAN -CRM, I/P DK BROWN; FINE-V.F. CRYSTALLINE AND I/P SUCROSIC	YESO	3927

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

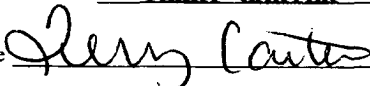
- ☒ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

INCLINATION SURVEY

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

Name (please print) TERRY CARTERTitle DRILLING TECHNICIAN

Signature

Date 12/20/04

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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 2004 DEC 22 AM 10:45
 BUREAU OF LAND MANAGEMENT
 FORT COLLINS, CO

WELL NAME AND NUMBER Phillips 19 Federal 15

LOCATION 990' FNL & 2410' FEL, Section 19, T17S, R29E, Eddy County NM

OPERATOR Clayton Williams Energy, Inc.

DRILLING CONTRACTOR United Drilling, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and had conducted deviation tests and obtained the following results:

<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>	<u>Degrees @ Depth</u>
<u>1/2° 415'</u>	<u> </u>	<u> </u>
<u>1/2° 1018'</u>	<u> </u>	<u> </u>
<u>1/2° 1538'</u>	<u> </u>	<u> </u>
<u>3/4° 1995'</u>	<u> </u>	<u> </u>
<u>1/2° 2513'</u>	<u> </u>	<u> </u>
<u>1/2° 3005'</u>	<u> </u>	<u> </u>
<u>1/2° 3493'</u>	<u> </u>	<u> </u>
<u>1/2° 4010'</u>	<u> </u>	<u> </u>

Drilling Contractor United Drilling, Inc.

By: George A. Aho

George A. Aho

Title: Business Manager

Subscribed and sworn to before me this 23rd day of November,
2004.

Carlene Martin

Notary Public

My Commission Expires: 10-08-08

Chaves New Mexico
County State