

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resrv.
Other Commingled Mesa Verde & Otero-Chacra

2. Name of Operator

Koch Exploration Company

3. Address

PO Box 489, Aztec, NM 87410

3a. Phone No. (include area code)

(505) 858-2712

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

At surface 777' FNL & 1635 FEL

At top prod. interval reported below

At total depth

14. Date Spudded

1/15/99

15. Date T.D. Reached

1/20/99

16. Date Completed

3-28-01

☒ Ready to Prod.

18. Total Depth: MD 5000'
TVD

19. Plug Back T.D.: MD 4718'
TVD

20. Depth Bridge Plug Set: MD
TVD

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

GR-CNL-LDT and GR-CBL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)

Was DST run? ☒ No ☐ Yes (Submit report)

Directional Survey? ☒ No ☐ Yes (Submit copy)

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. (BBM)	Cement Top*	Amount Pulled
<u>14 3/4"</u>	<u>10 3/4"</u>	<u>36 #</u>	<u>0'</u>	<u>155'</u>		<u>NO</u>			
<u>8 3/4"</u>	<u>7"</u>	<u>20 #</u>	<u>0'</u>	<u>2070'</u>		<u>Changes</u>			
<u>6 1/4"</u>	<u>4 1/2"</u>	<u>11.6 #</u>	<u>0'</u>	<u>4790'</u>					

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
<u>2 3/8"</u>	<u>4584' KB</u>							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) <u>Otero Chacra</u>	<u>2876'</u>	<u>3642'</u>	<u>2889' - 3398'</u>	<u>.38</u>	<u>36</u>	<u>flowing</u>
B) <u>Cliff House</u>	<u>3642'</u>	<u>3826'</u>	<u>3644' - 3814'</u>	<u>.34</u>	<u>25</u>	<u>cemented (Squeezed)</u>
C) <u>Menefee</u>	<u>3826'</u>	<u>4382'</u>	<u>3879' - 3814' & 4020' - 4032'</u>	<u>.34</u>	<u>20</u>	<u>flowing</u>
D) <u>Pint Lookout</u>	<u>4382'</u>	<u>4767'</u>	<u>4386' - 4619' (1999)</u>	<u>.32</u>	<u>31</u>	<u>flowing</u>

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

Depth Interval	Amount and Type of Material
<u>2889' - 3398'</u>	<u>1000 gal 10% acetic acid, 110,280 # 20/40 Brady Sand 60 Q foam frac</u>
<u>3644' - 3937'</u>	<u>1000 gal 10% acetic acid, 85,900 # 20/40 Brady Sand 1020 Ambergel frac</u>

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
<u>3/28/01</u>		<u>94</u>	<u>→</u>	<u>0</u>	<u>725</u>	<u>456</u>	<u>NA</u>		<u>flowing</u>
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
<u>3/8" x 1/2"</u>			<u>→</u>	<u>0</u>	<u>179</u>	<u>113</u>	<u>NA</u>	<u>flowing</u>	

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
			<u>→</u>						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			<u>→</u>						

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

ACCEPTED FOR RECORD
AUG 15 2001
FARMINGTON FIELD OFFICE
BY [Signature]

Title 18 to 54, 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.

Name (please print) Don Johnson Title Operations Manager Date 8/3/01 Signature [Signature]

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

33. (Circle enclosed attachments):
- 1. Electronic logs (1 full set req'd)
 - 2. Geologic Report
 - 3. DST Report
 - 4. Directional Survey
 - 5. Summary Notice for plugging and cement verification
 - 6. Core Analysis
 - 7. Other:

32. Additional remarks (include plugging procedure):

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Meas. Depth
Ojo Alamo	630'	830'			
Kirtland	830'	1840'			
Fruitland	1840'	2070'			
Richard Cliff	2070'	2345'			
Lewis Shale	2345'	2817'			
Fluerfanto	2817'	2876'			
Burdock	2876'	3642'			
Detero-Clacra	3642'	3826'			
Cliff House	3826'	4382'			
Mesa	4382'	4767'			
Point Lookout	4767'	4882'			
Mesa's Shale	4882'	4767'			

30. Summary of Porous Zones (Include Aquifers):

31. Formation (Log) Markers

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.

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

28b. Production - Interval C		28c. Production - Interval D		29. Disposition of Gas (Solid, used for fuel, vented, etc.)	
Date First Produced	Test Date	Test Date	Test Date	Test Date	Test Date
Produced	Tested	Tested	Tested	Tested	Tested
Hours	Hours	Hours	Hours	Hours	Hours
Oil	Oil	Oil	Oil	Oil	Oil
Gas	Gas	Gas	Gas	Gas	Gas
MCF	MCF	MCF	MCF	MCF	MCF
Water	Water	Water	Water	Water	Water
BBL	BBL	BBL	BBL	BBL	BBL
Oil Gravity	Oil Gravity	Oil Gravity	Oil Gravity	Oil Gravity	Oil Gravity
Corr. API	Corr. API	Corr. API	Corr. API	Corr. API	Corr. API
Gas Gravity	Gas Gravity	Gas Gravity	Gas Gravity	Gas Gravity	Gas Gravity
Well Status	Well Status	Well Status	Well Status	Well Status	Well Status
Production Method	Production Method	Production Method	Production Method	Production Method	Production Method