

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, 20001a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Otherb. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Reservoir

Other _____

2. Name of Operator

Koch Exploration Company

3. Address

PO Box 489 Aztec, NM 87410

3a. Phone No. (include area code)

(505) 334-9111

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

At surface 855' FSL & 733' FWL

At top prod. interval reported below

At total depth

14. Date Spudded

10/29/00

15. Date T.D. Reached

11/4/00

16. Date Completed

☐ D & A ☒ Ready to Prod.

11/2/00 11/9/00

18. Total Depth: MD

5148' KB

TVD

19. Plug Back T.D.: MD

5140' KB

TVD

20. Depth Bridge Plug Set: MD

TVD

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

GRICBL/CCL & GRIGSL/CCL

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12 1/4"	9 5/8" New	36#	0'	233' KB		250 sks Class H	52	Surface	10 BBLs
8 3/4"	7" New	20#	0'	2978' KB		339 sks Class H	120	Surface	8 BBLs
6 1/4"	4 1/2" New	10.5#	0'	5148' KB		156 sks Type III	66	2716' - CCL	

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 3/8"	5054' KB							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Upper Lewis Shale	3510'	3846'	3510' - 3846'	.38"	33	Flowing
B) Lower Lewis Shale	3900'	4212'	3900' - 4212'	.38"	33	Flowing
C) Cliffhouse	4253'	4538'	4253' - 4538'	.32"	35	Flowing
D) Menefee	4784'	4883'	4784' - 4883'	.36"	22	Flowing

27. Acid, Fracture, Treatment, Cement Squeeze, Etc. E) Point Lookout 4944' - 5083' 4944' - 5083' .34" 30 Flowing

Depth Interval

Amount and Type of Material

4944' - 5083'	1000 gal. 15% HCL, & 100,000# 20/40 Brady Sand - Slick Water Frac
4784' - 4883'	1000 gal. 15% HCL, & 39,700# 20/40 Brady Sand - Slick Water Frac
4253' - 4538'	1000 gal. 15% HCL, & 102,900# 20/40 Brady Sand - Slick Water Frac
3900' - 4212'	1000 gal. Acidic Acid & 104,800# 20/40 Brady Sand - 60 Q Foam Frac

28. Production - Interval A 3510' - 3846' 1000 gal. Acidic Acid & 100,000# 20/40 Brady Sand - 60 Q Foam Frac

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/3/00	11/5/00	116	→	-0-	1469	64	NA	Not Tested	Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
3/4"	NA	400 SI	→	-0-	2204	96	NA	Shut-in ready to produce	

ACCEPTED FOR RECORD

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
			→						JAN 16 2001
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						FARMINGTON FIELD OFFICE BY

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

NMOG

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

1. Electrical/Mechanical Logs (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:

33. Circle enclosed attachments:

32. Additional remarks (include plugging procedure):

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Mcas. Depth
Ojo Alamo	1665'	1850'			
Kirkland Shale	1850'	2635'			
Fruitland Coal	2635'	2902'			
Pictured Cl. ft	2902'	3002'			
Lewis Shale	3002'	3442'			
Lewis Shale to Gardenite	3442'	3789'			
Lewis Over	3789'	4225'			
Cliff House	4225'	4552'			
Mane fee	4552'	4956'			
Point Lookout	4956'	5120'			
Maneas Shale	5120'				

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.

30. Summary of Porous Zones (Include Aquifers):

31. Formation (Log) Markers

Wanted

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

Drift-First Produced	Test	Hours	Test	Oil Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status			

28c. Production - Interval D

Well Status	Oil Gravity	Water Gravity	Gas MCF	Oil BBL	Water BBL	Gas MCF	Oil BBL	24 Hr. Rate	Choke Size	14g. Press.	Csg. Press.	Test Date	Produced
Well Status	Oil Gravity	Water Gravity	Gas MCF	Oil BBL	Water BBL	Gas MCF	Oil BBL	24 Hr. Rate	Choke Size	14g. Press.	Csg. Press.	Test Date	Produced

28b. Production - Interval C