

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		5. Lease Serial No. NM-013642							
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resrv. Other		6. If Indian, Allottee or Tribe Name NA							
2. Name of Operator Koch Exploration Company		7. Unit or CA Agreement Name and No. NA							
3. Address PO Box 489, Aztec, NM		8. Lease Name and Well No. Gardner 5A							
3a. Phone No. (include area code) (505) 334-9111		9. API Well No. 30-045-30280							
4. Location of Well (Report location clearly and in accordance with Federal requirements) At surface 787' FSL & 1625' FEL At top prod. interval reported below At total depth		10. Field and Pool, or Exploratory Blanco Mesa Verde							
14. Date Spudded 10/20/00		11. Sec., T., R., M., on Block and Survey or Area S26, T32N, R9W							
15. Date T.D. Reached 10/28/00		12. County or Parish San Juan							
16. Date Completed 11/2/00		13. State NM							
17. Elevations (DF, RKB, RT, GL)* 6538' G									
18. Total Depth: MD 6088' TVD		19. Plug Back T.D.: MD 6072' KB TVD							
20. Depth Bridge Plug Set: MD TVD									
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GR/CBL/CCL GR/GSL/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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12 1/4"	9 5/8"/555	36#	0'	235' KB		175 sks - Class H	36.8	Surface	16 BBLs
8 3/4"	7"/555	26#	0'	3815' KB	2920'	480 sks - Class H	157	Surface	20 BBLs
6 1/4"	4 1/2"/555	10.5#	0'	6088' KB		169 sks - 40/60	71.6	3150' - CBL	
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"	5978' KB								
25. Producing Intervals				26. Perforation Record					
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) Upper Lewis Shale	4222'	4648'	4222' - 4648'	.38"	33	Flowing			
B) Lower Lewis Shale	4784'	4901'	4784' - 4901'	.38"	30	Flowing			
C) Cliff House / Menefee	5046'	5547'	5046' - 5547'	.34"	30	Flowing			
D) Point Lookout	5740'	6022'	5740' - 6022'	.34"	30	Flowing			
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.				Amount and Type of Material					
Depth Interval									
5740' - 6022'	1000 gals. 15% HCL & 111,600 # 20/40 Brady Sand - Gel frac								
5046' - 5547'	1000 gals. 15% HCL & 123,000 # 20/40 Brady Sand - Gel frac								
4784' - 4901'	1000 gals. 10% Acidic Acid & 101,500 # 20/40 Brady Sand - 60 Q Foam Frac								
4222' - 4648'	1000 gals. 10% Acidic Acid & 105,000 # 20/40 Brady Sand - 60 Q Foam Frac								
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
11/3/00	1/7/01	8 hrs	→	-0-	1287	62	NA	Not Tested	Flowing
Choke Size	Tbg. Press. Plwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
3/4"	SI-610	90552	→	-0-	3860	192	NA	Shut in ready to produce	
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 18 2001
Choke Size	Tbg. Press. Plwg. SI	Csg. Press.	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)

NMOCD

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.)

Vented

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
Ojo Alamo	1750'	1950'			
Kirtland Shale	1950'	3048'			
Fruitland Coal	3048'	3426'			
Pictured Cliff	3426'	3717'			
Lewis Shale	3717'	4166'			
Lewis Huertania Bentonite	4166'	5600'			
Lewis Otero	5600'	5038'			
Cliff House	5038'	5452'			
Manefee	5452'	5722'			
Point Lookout	5722'	5998'			
Mancos	5998'				

32. Additional remarks (include plugging procedure):

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)*

Name (please print) Donald JohnsonTitle Operations ManagerSignature Donald JohnsonDate 1/11/01

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