

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 10, 20005. Lease Serial No.
SF-0781381a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Otherb. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resv. ☐ 5

Other _____

2. Name of Operator

Koeh 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 **1885' FNL & 965 FEL**

At top prod. interval reported below

At total depth

14. Date Spudded

11/25/00

15. Date T.D. Reached

12/1/00

16. Date Completed

☐ D & A ☒ Ready to Prod.

6. If Indian, Allottee or Tribe Name

NA

7. Unit or CA Agreement Name and No.

NA

8. Lease Name and Well No.

Carle 2 B

9. API Well No.

30-045-30369

10. Field and Pool, or Exploratory

Blanco Mesa Verde

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

S20, T30N, R11W(N)

12. County or Parish

San Juan

13. State

NM

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

5770' G

18. Total Depth: MD

4891'

19. Plug Back T.D.: MD

4883'

20. Depth Bridge Plug Set: MD

TVD

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

GR/CBL/CCL**GR/BSL/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" J-55	36#	0	2466' 60" KB	—	185C Class #	38.9	Surface	17 bbls
8 3/4"	7" J-55	23#	0	2529' KB	—	275C Class #	104	Surface	12 bbls
6 1/4"	4 1/2" J-65	10.5#	0	4891' KB	—	198 Perm Lite Type III	90.9	1990' CBL	None

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"	4828'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Upper Lewis Shale	3297'	3520'	3297' - 3520'	.38"	36	Flowing
B) Lower Lewis Shale	3543'	3738'	3543' - 3738'	.38"	36	Flowing
C) Cliff House/Menefee	3823'	4583'	3823' - 4583'	.32"	36	Flowing
D) Point Lookout	4630'	4840'	4630' - 4840'	.34"	25	Flowing

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

Depth Interval	Amount and Type of Material
3543' - 3738'	1000 gal. 10% Acidic Acid 105,600 # 20/40 Brady Sand 60Q Foam Frac
3297' - 3520'	1000 gal. 10% Acidic Acid 105,600 # 20/40 Brady Sand 60Q Foam Frac
3823' - 4583'	1000 gal. 15% HCL, 115,000 # 20/40 Brady Sand Slickwater Frac
4630' - 4840'	1000 gal. 15% HCL, 63,500 # 20/40 Brady Sand Slickwater 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
12/1/00	12/28/00	8.5	→	1	656	8.5	Not tested	.78	Flowing
Choke Size	Tbg. Press. Flwg. #	Csg. Press. Flwg. #	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
3/4"	SI 480	129 Fhw 10032	→	1	1852	24	MMCF: BBL	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
			→						
Choke Size	Tbg. Press. Flwg. #	Csg. Press. Flwg. #	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

ACCEPTED FOR RECORD

JAN 10 2001

FARMINGTON FIELD OFFICE
BY **[Signature]**

Donald H.

01/04/10

Donald Johnson

Operations Manager

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 (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sun try Notice for plugging and cement verification
6. Core Analysis
7. Other:

33. Circle each used attachment:

32. Additional remarks (include plugging procedure):

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top	Meas. Depth
Ejo Alamo	691'	798'				
Kirtland	798'	1890'				
Fruitland	1890'	2160'				
Pictured Cliffs	2160'	2434'				
Lewis Shale	2434'	2906'				
Huerfano Bent. Mbr.	2906'	2960'				
Chaco	2960'	3282'				
Lewis D'te	3282'	3724'				
Cliff House	3724'	3872'				
Monterey	3872'	4469'				
Paint Rock	4469'	4857'				
Manos Shale	4857'					

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 recovery, etc.

30. Summary of Porous Zones (Include Aquifers):

31. Formation (Log) Markers

12th

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

[illegible]