Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD HOBBS
HOBBS OCD
AUG 06 2018
RECEIVED

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMNM19448

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other

b. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☒ Plug Back ☐ Diff. Resvr.
Other Updated Completion S2 Into.

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator
MCELVAIN ENERGY INC
Contact: TONY G COOPER
E-Mail: tony.cooper@mcelvain.com

8. Lease Name and Well No.
DOROTHY FEDERAL 02

3. Address 511 16TH STREET SUITE 700
DENVER, CO 80202

3a. Phone No. (include area code)
Ph: 303-893-0933 Ext: 331

9. API Well No.
30-025-35717-00-S2

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

At surface NESE 1980FSL 810FEL

At top prod interval reported below NESE 1980FSL 810FEL

At total depth NESE 1980FSL 810FEL

10. Field and Pool, or Exploratory
EK-DELAWARE

11. Sec., T., R., M., or Block and Survey or Area Sec 25 T18S R33E Mer NMP

12. County or Parish LEA

13. State NM

14. Date Spudded 11/27/2002

15. Date T.D. Reached 12/19/2002

16. Date Completed ☐ D & A ☒ Ready to Prod. 09/09/2003

17. Elevations (DF, KB, RT, GL)* 3873 GL

18. Total Depth: MD 10000 TVD

19. Plug Back T.D.: MD 9952 TVD

20. Depth Bridge Plug Set: MD TVD

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

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☒ No ☐ Yes (Submit analysis)

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
17.500	13.375 H-40	48.0	0	400		440		0	
11.000	8.625 J-55	32.0	0	3710		1750		0	
7.875	5.500 N-80	17.0	0	10000		1300			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	5916							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	DELAWARE	4411	6160	5702 TO 5732		61	DELAWARE "PRODUCING" (SEE
B)				7708 TO 7724		33	DELAWARE (UNDER BP)
C)				9506 TO 9665		636	BONE SPRINGS (TA UNDER CIBF
D)				9754 TO 9828		296	BONE SPRINGS (TA UNDER CIBF

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

Depth Interval	Amount and Type of Material
5702 TO 5732	1500 GALS 7.5% 90/10 HCL
5702 TO 5732	122,000# 16/30 WHITE & 24,000# 16/30 LC/RC 58,000 GALS MEDALLION XL GEL WATER
7708 TO 7724	800 GALS 7.5% 90/10 HCL
7708 TO 7724	63,000# 16/30 RC & 30,000 GAL 30# MEDALLION XL GEL WATER (UNDER BP)

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
09/10/2003	09/12/2003	24	→	209.0	0.0	30.0			ELECTRIC PUMPING UNIT

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→	209	0	30		POW

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.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

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

ELECTRONIC SUBMISSION #429023 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

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.)*
CAPTURED

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
RUSTLER	0	1785		RUSTLER	1659
SALADO	1785	3675		YATES	3503
LAMAR LS	3675	3710		QUEEN	4411
BONE SPRING	9461	9506		DELAWARE	6160
				BONE SPRING	8826
				BONE SPRING 2ND	9163
				BONE SPRING 1ST	9602
				BONE SPRING 3RD	9998

32. Additional remarks (include plugging procedure):
This recompletion was recompleted by Concho in August & September of 2003. The 2nd Bone Spring was TA'd. A BP was set above the 2nd BS and the Delaware was recompleted and is still producing. A NOI Sundry was approved by the BLM in 2003 but a completion report was never submitted by Concho, therefore prod has always been reported to the state of NM as Bone Spring production. McElvain has submitted this report in an effort to correct the producing formation from the Bone Spring to the Delaware in the BLM and State of NM systems. A wellbore diagram is attached.

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):

Electronic Submission #429023 Verified by the BLM Well Information System.
For MCELVAIN ENERGY INC, sent to the Hobbs
Committed to AFMSS for processing by DINAH NEGRETE on 08/02/2018 (18DCN0110SE)

Name *(please print)* TONY G COOPER Title SR EHS SPECIALIST

Signature (Electronic Submission) Date 07/27/2018

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 fradulent statements or representations as to any matter within its jurisdiction.

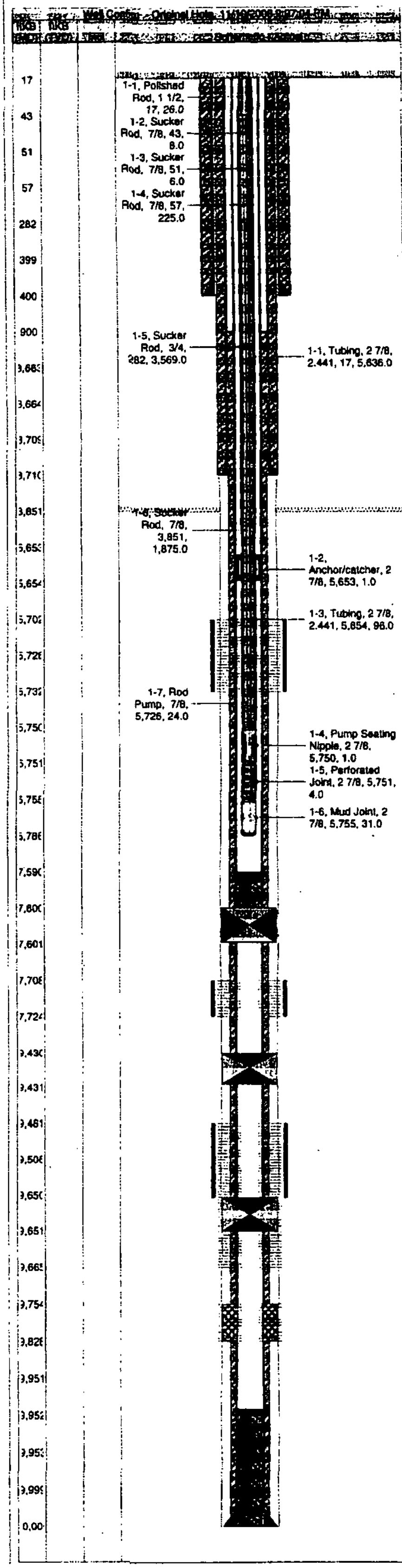
**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

Daily Completion and Workover (schematic)

Report # , Report Date:

Well Name: Dorothy Federal 2

API Number	Property Number	State/Province	County	Field Name
30-025-35717	890758	New Mexico	Lea	EK (Bone Spring)
Section/Block	**Town/Survey**	**Range/Section**	**Original KB Elevation (ft)**	**KB-Ground Distance (ft)**
25	18S	33E	3,890.00	17.00



Primary Job Type	Secondary Job Type

Objective

Contractor	Rig Number

Logs

Date	Type	Top (ftKB)	Btm (ftKB)	Cased?
				No

Perforations

Date	Zone	Top (ftKB)	Btm (ftKB)	Current Status
8/28/2003	Delaware, Original Hole	5,702.0	5,732.0	
7/31/2003	Delaware, Original Hole	7,708.0	7,724.0	
1/9/2003	Bone Springs, Original Hole	9,461.0	9,506.0	
[illegible]/2003		9,506.0	9,650.0	
1/8/2003		9,754.0	9,828.0	

Acidizing on 1/11/2003 00:00

Date	Zone	Type	Stim/Treat Company
1/11/2003 00:00	Bone Springs, Original Hole	Acidizing	

Stg No.	Stage Type	Top (ftKB)	Btm (ftKB)	V (clean) (bbl)
	Acidization	9,461.0	9,506.0	

Sand Frac on 1/21/2003 00:00

Date	Zone	Type	Stim/Treat Company
1/21/2003 00:00	Bone Springs, Original Hole	Sand Frac	

Stg No.	Stage Type	Top (ftKB)	Btm (ftKB)	V (clean) (bbl)
	Flush	9,461.0	9,650.0	
	Pad	9,461.0	9,650.0	
	Pad	9,461.0	9,650.0	
1	Sand	9,461.0	9,650.0	
2	Sand	9,461.0	9,650.0	
3	Sand	9,461.0	9,650.0	
4	Sand	9,461.0	9,650.0	
5	Sand	9,461.0	9,650.0	
6	Sand	9,461.0	9,650.0	
7	Sand	9,461.0	9,650.0	

Acidizing on 8/1/2003 00:00

Date	Zone	Type	Stim/Treat Company
8/1/2003 00:00	Delaware, Original Hole	Acidizing	

Stg No.	Stage Type	Top (ftKB)	Btm (ftKB)	V (clean) (bbl)
		7,708.0	7,724.0	

Sand Frac on 8/7/2003 00:00

Date	Zone	Type	Stim/Treat Company
8/7/2003 00:00	Delaware, Original Hole	Sand Frac	

Stg No.	Stage Type	Top (ftKB)	Btm (ftKB)	V (clean) (bbl)
	Pad	7,708.0	7,724.0	
	Flush	7,708.0	7,724.0	
	Pad	7,708.0	7,724.0	
1	Sand	7,708.0	7,724.0	
2	Sand	7,708.0	7,724.0	
3	Sand	7,708.0	7,724.0	
4	Sand	7,708.0	7,724.0	
5	Sand	7,708.0	7,724.0	

Acidizing on 8/29/2003 00:00

Date	Zone	Type	Stim/Treat Company
8/29/2003 00:00	Delaware, Original Hole	Acidizing	

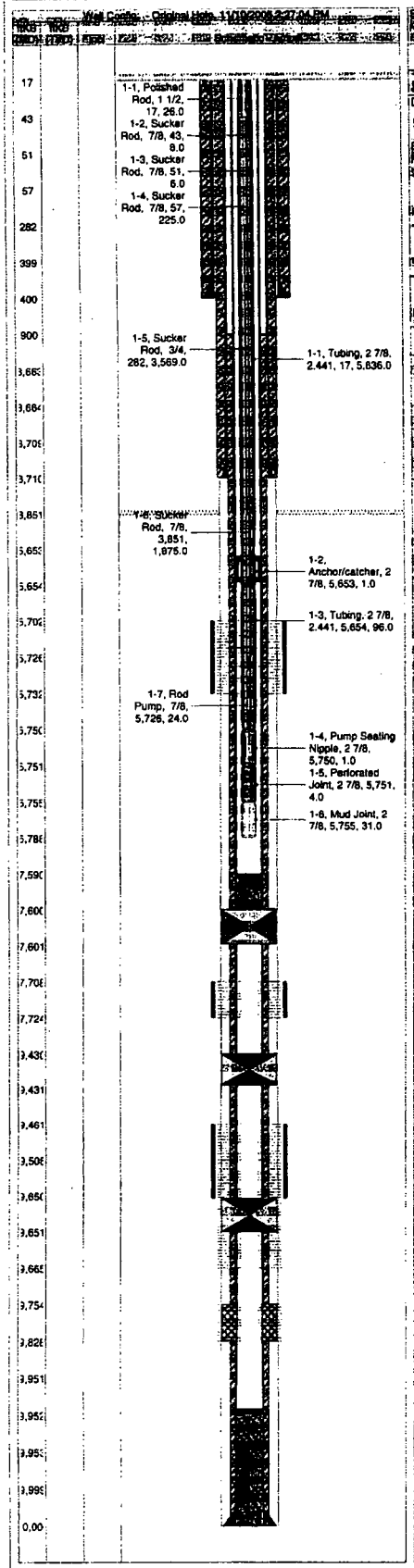
Chesapeake

Daily Completion and Workover (schem)

Well Name: Dorothy Federal 2

Report # , Report Date:

API Number	Property Number	State/Province	County	Field Name
30-025-35717	890758	New Mexico	Lea	EK (Bone Spring)
Section/Block	**Town/Survey**	**Range/Section**	**Original KB Elevation (ft)**	**KB-Ground Distance (ft)**
25	18S	33E	3,890.00	17.00



Stage	Stage Type	Top (ftKB)	Btm (ftKB)	V pump (bbl)
		5,702.0	5,732.0	

Sand Frac on 9/2/2003 00:00

Date	Zone	Type	Stim/Treat Company
9/2/2003 00:00	Delaware, Original Hole	Sand Frac	

Stage	Stage Type	Top (ftKB)	Btm (ftKB)	V pump (bbl)
	Pad	5,702.0	5,732.0	
	Flush	5,702.0	5,732.0	
2	Sand	5,702.0	5,732.0	
4	Sand	5,702.0	5,732.0	
6	Sand	5,702.0	5,732.0	

Other In Hole

Description	Run Date	OD (in)	Top (ftKB)	Btm (ftKB)
Bridge Plug - Permanent	1/10/2003 00:00	5 1/2	9,650.0	9,651.0
Composite Bridge Plug	7/30/2003 00:00	5 1/2	9,430.0	9,431.0
Retrievable Bridge Plug	8/27/2003 00:00	5 1/2	7,600.0	7,601.0

Cement

Description	Start Date	Cement Comp.
Surface Casing Cement	11/28/2002 00:00	
Intermediate Casing Cement	12/8/2002 00:00	
Production Casing Cement	12/21/2002 00:00	
Cement Plug	12/21/2002 00:00	
Cement Squeeze	1/8/2003 00:00	
Cement Plug	8/27/2003 00:00	

Casing Strings

Casing Description	OD (in)	Wt (lbs/ft)	Grade	Top Thread	Set Depth (ftKB)
Surface	13 3/8	48.00	H-40		400.0
Intermediate	8 5/8	32.00	J-55		3,710.0
Production	5 1/2	17.00	N-80		10,000.0