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COGCC

DRILLING COMPLETION REPORT

This form is to be submitted within 30 days of a well's completion. If the well is deepened or sidetracked, a new Form 5 is required. If an attempt has been made to complete/produce a well, then the operator shall submit Form 5A (completed Interval Report). If the well has been plugged, submit Form 6 (Well Abandonment Report).

1. OGCC Operator Number: 47120

2. Name of Operator: Kerr-McGee Rocky Mountain Corp

3. Address: 1999 Broadway, Suite 3600

City: Denver State: CO Zip: 80202

4. Contact Name and Telephone Ramsey Fahel

No: 303-296-3600

Fax: 303-296-3601

5. API Number: 05-095-06067-00

6. County: Phillips

7. Well Name: Miller State

Well Number: 9-36

8. Location (QtrQtr, Sec, Twp, Rng, Meridian): NESE Sec 36-T8N-R46W-6th

Footage at Surface: 2319 FSL 7 675 FEL

9. Was a directional survey run? ☐ Y ☒ N

If directional, footage at Top of Prod. Zone:

If directional, footage at Bottom Hole:

10. Field Name: Wildcat

10. Field Number: 99999

11. Federal, Indian or State Lease Number: State of Colorado 7775.3

12. Spud Date 09/08/03

13. Date TD 09/10/03

14. Date Completed or D&A

16. Total Depth MD 2850 TVD 2850

17. Plug Back Total MD 2787 TVD 2787

18. Was a Mud Log Run? ☐ Yes ☒ No

19. Elevations GR 3855 KB 3861

** One copy of all electric and mud logs must be submitted.**

20. List Electric Logs Run: Platform Express (Array Induction, Comp Neutron-Litho Density, BHC Sonic, Natural Gamma Ray)

Complete the Attachment Checklist Oper OGCC

Survey Plat	
Directional Survey	
Surface Equipment	
Technical Info Page	
Other	<input checked="" type="checkbox"/>

15 Well Classification

<input type="checkbox"/> Dry	<input type="checkbox"/> Oil	<input checked="" type="checkbox"/> Gas
<input type="checkbox"/> Coalbed		
<input type="checkbox"/> Stratigraphic	<input type="checkbox"/> Disposal	
<input type="checkbox"/> Enhanced Recovery		
<input type="checkbox"/> Gas Storage	<input type="checkbox"/> Observation	
<input checked="" type="checkbox"/> Other: Awaiting Completion		

21. CASING, LINER and CEMENT

Submit contractor's cement job summary for each string cemented

String	Hole Size	Csg/Liner Size	Csg/Liner Wt (Lbs)	Csg/Liner Top	Csg/Tool Setting Depth	No. of Sacks	Cement Interval		Identify Method	
							Top	Bottom	CBL	Calc
Surface	9 7/8	7"	20#	Surface	300'	135	0'	300'	<input type="checkbox"/>	<input type="checkbox"/>
Prod	6 1/4	4 1/2"	10.5#	Surface	2830'	75	1950'	2830'	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Stage Cement									<input type="checkbox"/>	<input type="checkbox"/>
									<input type="checkbox"/>	<input type="checkbox"/>
									<input type="checkbox"/>	<input type="checkbox"/>
Stage Cement									<input type="checkbox"/>	<input type="checkbox"/>
									<input type="checkbox"/>	<input type="checkbox"/>
									<input type="checkbox"/>	<input type="checkbox"/>
Stage Cement									<input type="checkbox"/>	<input type="checkbox"/>
									<input type="checkbox"/>	<input type="checkbox"/>
									<input type="checkbox"/>	<input type="checkbox"/>
									<input type="checkbox"/>	<input type="checkbox"/>

22. FORMATION LOG INTERVALS and TEST ZONES

Formation	Measured Depth		Check if applies		Comments
	Top	Bottom	DST	Cored	
Niobrara	2594		<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct, and complete.

Print Name: Ramsey A. Fahel

Signed:

Title: Operations Manager

Date: 12-02-04

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KERR-MCGEE ROCKY MOUNTAIN CORP

COGCC

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Cementing Report

Legal Well Name: MILLER STATE #9-36
Common Well Name: MILLER STATE #9-36
Event Name: DRILLING

Report #: 1
Start: 9/2/2003

Spud Date: 9/12/2003
Report Date: 9/9/2003
End:

Cement Job Type: Primary

Primary	Squeeze Open Hole	Squeeze Casing	Plug
Hole Size: 9.875 (in)	Hole Size:	Hole Size:	Hole Size:
TMD Set: 300.4 (ft)	SQ TMD: (ft)	TMD Set:	Top Set: (ft)
Date Set: 9/9/2003	SQ Date:	Date Set:	BTM set: (ft)
Csg Type: SURFACE CASING	SQ Type:	Csg Type:	Plug Date:
Csg Size: 7.000 (in)		SQ TMD:	Plug Type:
		SQ Date:	Drilled Out:
Cmtd. Csg: SURFACE CASING	Cmtd. Csg:	Cmtd. Csg:	Cmtd. Csg:

Cement Co: CEMENTERS WELL SERVICE, INC.

Cementer:

Pipe Movement: NO MOVEMENT

Pipe Movement

Rot Time Start: : Time End: : RPM: Init Torque: (ft-lbf) Avg Torque: (ft-lbf) Max Torque: (ft-lbf)
Rec Time Start: : Time End: : SPM: Stroke Length: (ft) Drag Up: (lbs) Drag Down: (lbs)

Stage No: 1 of 1

Type: PRIMARY	Start Mix Cmt: 03:00	Disp Avg Rate: 6.00 (bbl/min)	Returns: 6.0 BBLS.
Volume Excess %: 100.00	Start Slurry Displ: 03:20	Disp Max Rate: 6.00 (bbl/min)	Total Mud Lost: (bbl)
Meas. From:	Start Displ: 03:20	Bump Plug: N	Cmt Vol to Surf: (bbl)
Time Circ Prior	End Pumping: 03:30	Press Prior: 110 (psi)	
To Cementing: 0.50	End Pump Date: 9/9/2003	Press Bumped: 110 (psi)	Ann Flow After: N
Mud Circ Rate: 300 (gpm)	Top Plug: N	Press Held: 110 (min)	Mixing Method: HOPPER
Mud Circ Press: 50 (psi)	Bottom Plug: N	Float Held: N	Density Meas By: MUD SCALE

Mud Data

Type: NATIVE MUD Density: 8.8 (ppg) Visc: 35 (s/qt) PV/YP: (cp)/ (lb/100ft²) Gels 10 sec: (lb/100ft²) Gels 10 min: (lb/100ft²)
Bottom Hole Circulating Temperature: (°F) Bottom Hole Static Temperature: (°F)
Displacement Fluid Type: FRESH WATER Density: 8.3 (ppg) Volume: 11.00 (bbl)

Stage No: 1 Slurry No: 1 of 1

Slurry Data

Fluid Type: TAIL Description: NEAT Class: A Purpose: SHOE INTEG
Slurry Interval: (ft) To: 300.00 (ft) Cmt Vol: 135 (Sacks) Density: 15.2 (ppg) Yield: 1.18 (ft³/sk) Mix Water: 5.00 (gal/sk)
Water Source: HOLYOKE, CO. CITY Slurry Vol: 28.4 (bbl) Water Vol: 17.0 (bbl) Other Vol: (bbl) Foam Job: N

Test Data

	Temperature: (°F)	Time	Temp	Pressure
Thickening Time:		Compressive Strength 1:	(°F)	(psi)
Free Water: (%)	Temperature: (°F)	Compressive Strength 2:	(°F)	(psi)
Fluid Loss: (cc)	Temperature: (°F)			
Fluid Loss Pressure: (°F)				

Cementing Report

Legal Well Name: MILLER STATE #9-36
Common Well Name: MILLER STATE #9-36
Event Name: DRILLING

Report #: 1
Start: 9/2/2003

Spud Date: 9/12/2003
Report Date: 9/9/2003
End:

Stage No: 1 Slurry No: 1 of 1 - Additives

Trade Name	Type	Concentration	Units	Liquid Conc.	Units
CACL2		3.00 %			
FLOCELE		0.25 #/SX			

Casing Test**Shoe Test****Liner Top Test**

Test Press: (psi)
For: (min)
Cement Found between
Shoe and Collar:

Pressure: (ppge)
Tool:
Open Hole: (ft)
Hrs Before Test:

Liner Lap:
Pos Test: (ppge) Tool:
Neg Test: (ppge) Tool:
Hrs Before Test:
Cement Found on Tool:

Log/Survey Evaluation**Interpretation Summary**

CBL Run:
Under Pressure: (psi)
Bond Quality:
Cet Run:
Bond Quality:
Temp Survey:
Hrs Prior to Log:

Cement Top: (ft)
How Determined:
TOC Sufficient:
Job Rating:
If Unsuccessful Detection Indicator:
Remedial Cementing Required:
Number of Remedial Squeezes:

Cementing Report

Legal Well Name: MILLER STATE #9-36
Common Well Name: MILLER STATE #9-36
Event Name: COMPLETION

Report #: 1
Start: 9/2/2003

Spud Date: 9/8/2003
Report Date: 9/12/2003
End:

Cement Job Type: Primary

Primary	Squeeze Open Hole	Squeeze Casing	Plug
Hole Size: 6.250 (in)	Hole Size:	Hole Size:	Hole Size:
TMD Set: 2,830.4 (ft)	SQ TMD: (ft)	TMD Set:	Top Set: (ft)
Date Set: 9/11/2003	SQ Date:	Date Set:	BTM set: (ft)
Csg Type: PRODUCTION (LON	SQ Type:	Csg Type:	Plug Date:
Csg Size: 4.500 (in)		SQ TMD:	Plug Type:
		SQ Date:	Drilled Out:
Cmtd. Csg: PRODUCTION STRIN	Cmtd. Csg:	Cmtd. Csg:	Cmtd. Csg:

Cement Co: CEMENTERS WELL SERVICE, INC.

Cementer:

Pipe Movement:

Pipe Movement

Rot Time Start: : Time End: : RPM: Init Torque: (ft-lbf) Avg Torque: (ft-lbf) Max Torque: (ft-lbf)
Rec Time Start: 10:00 Time End: 10:14 SPM: 7 Stroke Length: 15.0 (ft) Drag Up: 2,000 (lbs) Drag Down: 2,000 (lbs)

Stage No: 1 of 1

Type: PRIMARY	Start Mix Cmt: 10:00	Disp Avg Rate: 6.00 (bbl/min)	Returns:
Volume Excess %: 10.00	Start Slurry Displ: 10:08	Disp Max Rate: 6.00 (bbl/min)	Total Mud Lost: (bbl)
Meas. From: DENSITY/CAL	Start Displ: 10:08	Bump Plug: Y	Cmt Vol to Surf: (bbl)
Time Circ Prior	End Pumping: 10:15	Press Prior: 600 (psi)	
To Cementing: 0.50	End Pump Date: 9/11/2003	Press Bumped: 1,200 (psi)	Ann Flow After: N
Mud Circ Rate: 240 (gpm)	Top Plug: N	Press Held: 5 (min)	Mixing Method:
Mud Circ Press: 100 (psi)	Bottom Plug: Y	Float Held: Y	Density Meas By: MUD SCALE

Mud Data

Type: 3.0% KCL Density: 8.8 (ppg) Visc: 32 (s/qt) PV/YP: (cp)/(lb/100ft²) Gels 10 sec: (lb/100ft²) Gels 10 min: (lb/100ft²)
Bottom Hole Circulating Temperature: (°F) Bottom Hole Static Temperature: 108 (°F)
Displacement Fluid Type: 2% KCL Density: 8.4 (ppg) Volume: 44.20 (bbl)

Stage No: 1 Slurry No: 1 of 1

Slurry Data

Fluid Type: TAIL	Description: 50:50:2 POZ	Class: A	Purpose: ZONAL ISOL
Slurry Interval: 2,830.00 (ft) To: 2,100.00 (ft)	Cmt Vol: 75 (Sacks)	Density: 14.1 (ppg)	Yield: 1.26 (ft ³ /sk)
Water Source: HOLYOKE, CO. CITY	Slurry Vol: 16.8 (bbl)	Water Vol: 11.2 (bbl)	Other Vol: (bbl)
			Mix Water: 6.30 (gal/sk)
			Foam Job: N

Test Data

	Time	Temp	Pressure
Thickening Time:	Temperature: (°F)	Compressive Strength 1: (°F)	(psi)
Free Water: (%)	Temperature: (°F)	Compressive Strength 2: (°F)	(psi)
Fluid Loss: (cc)	Temperature: (°F)		
Fluid Loss Pressure: (°F)			

Cementing Report

Legal Well Name: MILLER STATE #9-36
Common Well Name: MILLER STATE #9-36
Event Name: COMPLETION

Report #: 1
Start: 9/2/2003

Spud Date: 9/8/2003
Report Date: 9/12/2003
End:

Stage No: 1 Slurry No: 1 of 1 - Additives

Trade Name	Type	Concentration	Units	Liquid Conc.	Units
SALT		10.00 %			
GEL		2.00 %			
FLOCELE		0.25 #/SX			

Casing Test**Shoe Test****Liner Top Test**

Test Press: (psi)
For: (min)
Cement Found between
Shoe and Collar:

Pressure: (ppge)
Tool:
Open Hole: (ft)
Hrs Before Test:

Liner Lap:
Pos Test: (ppge)
Neg Test: (ppge)
Hrs Before Test:
Cement Found on Tool:
Tool:
Tool:

Log/Survey Evaluation**Interpretation Summary**

CBL Run:
Under Pressure: (psi)
Bond Quality:
Cet Run:
Bond Quality:
Temp Survey:
Hrs Prior to Log:

Cement Top: (ft)
How Determined:
TOC Sufficient:
Job Rating:
If Unsuccessful Detection Indicator:
Remedial Cementing Required:
Number of Remedial Squeezes: