FORM 5 Rev 02/08	**State of Colorado** **Oil and Gas Conservation Commission** 1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109 **DRILLING COMPLETION REPORT**	DE ET OE ES Document Number: 400254036 Date Received:

This form is to be submitted within 30 days of the setting of production casing, the plugging of a dry hole, the deepening or sidetracking of a well, or any time the wellbore configuration is changed. 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, a form 6 (Well Abandonment Report) is required.

Completion Type ☒ Final completion ☐ Preliminary completion

1. OGCC Operator Number: 47120
2. Name of Operator: KERR-MCGEE OIL & GAS ONSHORE LP
3. Address: P O BOX 173779
   City: DENVER State: CO Zip: 80217-

4. Contact Name: CARA MAHLER
   Phone: (720) 929-6029
   Fax: (720) 929-7029

5. API Number 05-123-10124-00
6. County: WELD
7. Well Name: EICHTHALER Well Number: #2
8. Location: QtrQtr: NWNW Section: 34 Township: 2N Range: 65W Meridian: 6
   Footage at surface: Distance: 1050 feet Direction: FNL Distance: 1010 feet Direction: FWL
   As Drilled Latitude: 40.099350 As Drilled Longitude: -104.655396

GPS Data:
   Data of Measurement: 07/20/2006 PDOP Reading: 2.5 GPS Instrument Operator's Name: STEVE FISHER

   ** If directional footage at Top of Prod. Zone Dist.: _____ feet. Direction: _____ Dist.: _____ feet. Direction: _____
   Sec: _____ Twp: _____ Rng: _____
   ** If directional footage at Bottom Hole Dist.: _____ feet. Direction: _____ Dist.: _____ feet. Direction: _____
   Sec: _____ Twp: _____ Rng: _____

9. Field Name: WATTENBERG 10. Field Number: 90750
11. Federal, Indian or State Lease Number: _____

12. Spud Date: (when the 1st bit hit the dirt) 12/02/1980 13. Date TD: 12/22/1996 14. Date Casing Set or D&A: 12/22/1996

15. Well Classification:
   ☐ Dry ☒ Oil ☐ Gas/Coalbed ☐ Disposal ☐ Stratigraphic ☐ Enhanced Recovery ☐ Storage ☐ Observation

16. Total Depth MD 7962 TVD** _____   17 Plug Back Total Depth MD 7962 TVD** _____

18. Elevations GR 4944 KB 4955 | One paper copy of all electric and mud logs must be submitted, along with one digital LAS copy as available.

19. List Electric Logs Run:
CBL (4/19/2011), (4/27/2011), (5/16/2011) (Already Submitted)
CBL (2/11/2012)

20. Casing, Liner and Cement:

CASING

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Top	Cmt Bot	Status
SURF	12+1/4	8+5/8	24	0	224	200	0	224	CALC
1ST	7+7/8	4+1/2	11.6	0	7,862	500	6,880	7,862	CBL
1ST LINER	12+1/4	2+7/8	6.50	7800	7,929				CALC

STAGE/TOP OUT/REMEDIAL CEMENT

Cement work date: _____

Method used	String	Cementing tool setting/pref depth	Cement volume	Cement top	Cement bottom
SQUEEZE	1ST	6,830	100	6,640	6,842
SQUEEZE	1ST	840	120	800	1,050
SQUEEZE	1ST	830	30	728	820
SQUEEZE	1ST	830	50	728	820
SQUEEZE	1ST	6,520	130	6,170	6,615
SQUEEZE	1ST	830	50	820	830
SQUEEZE	1ST	830	50	820	830

Details of work:

1ST SQUEEZE (4/20/2011): Stung into cmt retainer, established circulation through squeeze perfs, pumped 80 sxs, stung out of cmt retainer, spotted 20 sxs across the squeeze perfs @ 6650', cmt retainer was drilled out and remnants pushed down to CIBP @ 7206', tested casing to 1000 psi, Ran CBL.

2ND SQUEEZE (4/29/2011): Shot squeeze perfs @ 1060' & 810', set cmt retainer @ 820', unable to circulate through squeeze perfs at 810', had to drill out cmt retainer set at 820', shot more squeeze perfs @ 830', set new cmt retainer @ 840', pumped 120 sxs, stung out of cmt retainer, started drilling out cmt retainer, squeeze not holding, able to pump into squeeze perfs at 1 bpm at 700 psi, finished drilling out cmt retainer and pushed remnants to CIBP @ 7206', squeeze perfs @ 1060' were tested to 1000 psi, top squeeze perfs @ 830' not holding

3RD SQUEEZE (5/6/2011): Pumped 30 sxs down tubing, no mention of setting another cmt retainer or packer, drilled out cmt, squeeze not holding, pressure drops from 800 psi to 500 psi in 4 mins, called for more cmt

4TH SQUEEZE (5/10/2011): Pumped 50 sxs, left 1.5 bbls cmt in csg above squeeze perfs, drilled out cmt, tested to 1000 psi, lost 50 psi in 30 mins, retested four times, same results, squeeze not holding, but unable to pump anymore cmt into squeeze interval, tagged CIBP

The depths for the squeezes on 4/29/11, 5/6/11 & 5/10/11 are the same because a CBL was only run after the last squeeze. The squeeze on 4/29/11 has two intervals because that is what has a good bond on the CBL, the cmt in between is pretty poor, but there is not enough free pipe to attempt another squeeze in there.

2/9/2012-RU BJ Services & cmt across Niobrara through squeeze holes @ 6615'. Pumped 130 sks 50/50 poz w/2% gel & 10% salt.
2/14/2012-RU halliburton & squeeze leak in csg @ 830' w/50 sks SWIFTCEM cmt.
2/17/2012-RU BJ Services & squeeze csg leak @ 830' w/50 sks Neat cmt.

21. Formation log intervals and test zones:

FORMATION LOG INTERVALS AND TEST ZONES

FORMATION NAME	Measured Depth		Check if applies		COMMENTS (All DST and Core Analyses must be submitted to COGCC)
	Top	Bottom	DST	Cored	
SUSSEX	4,595		☐	☐	
NIOBRARA	6,945		☐	☐	
CODELL	7,260		☐	☐	
DAKOTA	7,911		☐	☐	

Comment:

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

Signed: _____   Print Name: CARA MAHLER

Title: REGULATORY ANALYST   Date: _____   Email: CARA.MAHLER@ANADARKO.COM

Attachment Check List

Att Doc Num	Document Name	attached ?			

Attachment Checklist

Att Doc Num	Document Name				
400254457	CMT Summary *	Yes	☒	No	☐
	Core Analysis	Yes	☐	No	☒
	Directional Survey **	Yes	☐	No	☒
	DST Analysis	Yes	☐	No	☒
	Logs	Yes	☐	No	☒
	Other	Yes	☐	No	☒

General Comments

User Group	**Comment**	**Comment Date**

Total: 0 comment(s)