

FORM
5Rev
09/14State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400689106

Date Received:

09/17/2014

DRILLING COMPLETION REPORT

Per Rule 308A, this form and all required attachments shall be submitted after completing the drilling operations to drill, sidetrack, or deepen a wellbore and after changing the casing and cement configuration of a wellbore. If any attempt has been made to test, complete, or produce the well, the operator shall also submit a Form 5A (Completed Interval Report) per Rule 308B. If the well has been plugged, the operator shall also submit a Form 6 (Well Abandonment Report) per Rule 311.

Completion Type ☒ Final completion ☐ Preliminary completion

OGCC Operator Number: 10142

Contact Name: Lindsey Vedros

Name of Operator: MID-CON ENERGY OPERATING LLC

Phone: (918) 743-7575

Address: 2431 E 61ST ST STE 850

Fax: (918) 949-6567

City: TULSA State: OK Zip: 74136

API Number 05-017-07793-00

County: CHEYENNE

Well Name: HRMU

Well Number: 11

Location: QtrQtr: NWNW Section: 13 Township: 13S Range: 43W Meridian: 6

Footage at surface: Distance: 600 feet Direction: FNL Distance: 760 feet Direction: FWL

As Drilled Latitude: 38.928040 As Drilled Longitude: -102.181860

GPS Data:

Date of Measurement: 10/02/2014 PDOP Reading: 2.8 GPS Instrument Operator's Name: Elijah Frane

** 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:

Field Name: HARKER RANCH

Field Number: 33557

Federal, Indian or State Lease Number:

Spud Date: (when the 1st bit hit the dirt) 08/12/2014 Date TD: 08/19/2014 Date Casing Set or D&A: 08/20/2014

Rig Release Date: 09/20/2014 Per Rule 308A.b.

Well Classification:

☐ Dry ☐ Oil ☐ Gas/Coalbed ☐ Disposal ☐ Stratigraphic ☒ Enhanced Recovery ☐ Storage ☐ Observation

Total Depth MD 5450 TVD** Plug Back Total Depth MD TVD**

Elevations GR 4091 KB 4107 Digital Copies of ALL Logs must be Attached per Rule 308A ☐

List Electric Logs Run:

Dual Induction, Density/Neutron, Microlog, CBL, Triple Combo

CASING, LINER AND CEMENT

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	425	300	0	425	VISU
1ST	7+7/8	5+1/2	15.5	0	5,434	400	1,400	5,434	CBL

STAGE/TOP OUT/REMEDIAL CEMENT

Cement work date: 08/12/2014

Method used	String	Cementing tool setting/perf depth	Cement volume	Cement top	Cement bottom
DV TOOL	1ST	3,029	400	1,368	5,400

Details of work:

per operator e-mail: 8/20/2014: TD: 5450'. DDS: 9. Circulate, lay down DP, RIH 5 1/2" csg. Finish RIH 8:00 PM: Ran 5 1/2" 15.5# J55 csg as follows: guide shoe, short jt w/ float collar, 12 jts csg, short jt, 44 jts csg, DV tool, 72 jts csg; 130 jts run, Shoe @ 5434', FC @ 5412', DV tool @ 3029'. RU Basic Energy Svcs cementers. Circ @ 250-550 psi for 50 minutes(1.5 x csg volume). Started pumping 1st stage at 8:20 PM; pumped 100 sks "A-Con Blend" @ 11.4 ppg and 150 sks AA2 cement @ 14.8 ppg, disp w/ 193 bbl water, bumped latch down plug @ 9:40 PM to 1800 psi, plug held good, lift pressure: 1000 psi. Drop Dart to trigger DV tool to 800 psi. Circulate 2 hours at 5 bbl/ min psi 100-200. 2nd stage: Started pumping 2nd stage at 11:15 PM; pumped 100 sks A-Con Blend @ 11.4 ppg and 50 sks A-Con Blend @ 13.2 ppg, disp w/ 72 bbl water, bumped plug @ 1130 PM at 2000 psi, Floats held, lift pressure: 500 psi. RDMO cementers, hung csg in WH slips at string weight.

FORMATION LOG INTERVALS AND TEST ZONES

FORMATION NAME	Measured Depth		Check if applies		COMMENTS (All DST and Core Analysis must be submitted to COGCC)
	Top	Bottom	DST	Cored	
DAKOTA	1,865	2,057	YES	NO	
MORRISON	2,199	2,376	YES	NO	
STONE CORRAL	3,080	3,150	YES	NO	
SHAWNEE	4,124	4,243	YES	NO	
LANSING	4,377	4,742	YES	NO	
MARMATON	4,742	4,845	YES	NO	
CHEROKEE	4,910	5,066	YES	NO	
ATOKA	5,066	5,208	YES	NO	
MORROW	5,208	5,377	YES	NO	
MISSISSIPPIAN	5,377	5,450	YES		

Operator Comments

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

Signed: _____ Print Name: Lindsey Vedros

Title: Regulatory Tech Date: 9/17/2014 Email: lvedros@midcon-energy.com

Attachment Check List

Att Doc Num	Document Name	attached ?			
<u>Attachment Checklist</u>					
400690032	CMT Summary *	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	Core Analysis	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
	Directional Survey **	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
400690018	DST Analysis	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	Logs	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
	Other	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>
<u>Other Attachments</u>					
2519359	CEMENT BOND	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
2519467	CORRESPONDENCE	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
2519468	TRIPLE COMBINATION	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400689106	FORM 5 SUBMITTED	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400689815	INDUCTION	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400689820	MICROLOG	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>
400689826	DENSITY/NEUTRON	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Bob K. asked for clarification on cement sx's; there aren't any updates on form or in well file. Emailed operator again 11/24/14 requesting dailies by 12/4/2014 to answer Bob K's questions.	11/19/2014 5:29:07 PM
Permit	Attached LAS triple combo.	11/14/2014 11:33:20 AM
Permit	Requested LAS logs again.	11/14/2014 8:55:21 AM
Permit	Attached provided CBL log and as-drilled GPS.	10/9/2014 12:04:36 PM
Permit	Missing as-drilled GPS. Missing CBL log. Missing LAS digital logs.	10/9/2014 8:00:05 AM

Total: 5 comment(s)