FORM 6 Rev 12/05

State of Colorado
Oil and Gas Conservation Commission

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

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WELL ABANDONMENT REPORT

This form is to be submitted as an Intent to Abandon whenever an abandonment is planned on a borehole. After the abandonment is complete, this form shall again be submitted as a Subsequent Report of the actual work completed. The approved intent shall be valid for six months after the approval date, after that period, a new intent will be required. Attachments required with the Intent to Abandon are wellbore diagrams of the current configuration and the proposed configuration with plugs set.
A Subsequent Report of Abandonment shall indicate the actual work completed. Attachments required with a Subsequent Report are a wellbore diagram showing plugs that were set and casing remaining in the hole, the job summaries from all plugging contractors used, including wireline and cementing (third party verification) and any logs that may have been run during abandonment.

OGCC Operator Number: 47120 Contact Name: Cheryl Light

Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP Phone: (720) 929-6461

Address: P O BOX 173779 Fax: (720) 929-7461

City: DENVER State: CO Zip: 80217- Email: cheryl.light@anadarko.com

For "Intent" 24 hour notice required, COGCC contact: Name: Carlile, Craig Tel: (970) 629-8279 Email: craig.carlile@state.co.us

API Number 05-123-41428-00

Well Name: VIPER PYRO Well Number: 41N-14HZ

Location: QtrQtr: NWNW Section: 15 Township: 3N Range: 67W Meridian: 6

County: WELD Federal, Indian or State Lease Number:

Field Name: WATTENBERG Field Number: 90750

☒ Notice of Intent to Abandon ☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.230827 Longitude: -104.885296

GPS Data:

Date of Measurement: 08/24/2014 PDOP Reading: 2.1 GPS Instrument Operator's Name: BART PFEIFER

Reason for Abandonment: ☐ Dry ☒ Production for Sub-economic ☐ Mechanical Problems

☐ Other

Casing to be pulled: ☐ Yes ☒ No Estimated Depth: 263

Fish in Hole: ☒ Yes ☐ No If yes, explain details below

Wellbore has Uncemented Casing leaks: ☐ Yes ☒ No If yes, explain details below

Details: 9-5/8", 36ppf, J-55, LTC surface casing stuck off bottom at 263 ft. fish extends from 263 ft to surface. The rest of the hole is open hole to 827'.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth

Total: 0 zone(s)

Casing History

Casing Type	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bot	Cement Top	Status
SURF	13+1/2	9+5/8	36	260				CALC
OPEN HOLE	13+1/2			827				CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth _____ with _____ sacks cmt on top. CIPB #2: Depth _____ with _____ sacks cmt on top.

CIBP #3: Depth _____ with _____ sacks cmt on top. CIPB #4: Depth _____ with _____ sacks cmt on top.

CIBP #5: Depth _____ with _____ sacks cmt on top.

NOTE: Two(2) sacks cement required on all CIBPs.

Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Set 137 sks cmt from 260 ft. to 0 ft. Plug Type: ANNULUS Plug Tagged: ☐

Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth

Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth

Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth

(Cast Iron Cement Retainer Depth)

Set 624 sacks half in. half out surface casing from 827 ft. to 50 ft. Plug Tagged: ☒

Set _____ sacks at surface

Cut four feet below ground level, weld on plate Above Ground Dry-Hole Marker: ☐ Yes ☒ No

Set _____ sacks in rat hole Set _____ sacks in mouse hole

Additional Plugging Information for Subsequent Report Only

Casing Recovered: _____ ft. of _____ inch casing Plugging Date: _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1103 ☐ Yes ☐ No *ATTACH JOB SUMMARY

Technical Detail/Comments:

Request to P&A this well to re-drill new well on same pad.

Surface Rig P&A Procedure Viper Pyro 41N-14HZ
1. Perform Top Job on 9-5/8” casing.
a. Run 1” pipe between the conductor and 9-5/8” casing to as deep as possible.
b. Pump 15.8 ppg Class G cement with 2% calcium chloride per SLB design until cement returns reach surface.
NOTE: The cement will come out as sack material and mixed on the fly
c. Attempt to retrieve 1”, if not achievable, leave and cut off BGL
2. Place a C-plate on the conductor and weld it to the 9-5/8” casing.
3. Cut off the 9-5/8” casing below the rotary table at a height that will allow the rig to skid off the well.
4. Make up an 8-3/4” roller cone bit and approximately six 6-3/4” steel drill collars. RIH to 9-5/8” float collar.
5. Wait on cement to achieve 500 psi compressive strength.
6. Drill out the float collar and float shoe.
7. Monitor torque and 9-5/8” casing for rotations
8. If the casing begins to turn, PU, shut down and discuss with Operations and Engineering Supervisor
9. Proceed in hole on 4-1/2” drill pipe with cleanout assembly using caution.
a. Wash to bottom at ~600 gpm
b. If pack-off or tight hole is present. CBU until conditions improve prior to proceeding in hole.
10. AT TD CBU as required to clean up hole pumping viscous sweeps as necessary.
a. Stage pump rates up to 850 gpm to circulate the hole clean.
11. POH and lay down cleanout assembly.
12. RIH to ~8824 ft MD with 4-1/2” drill pipe, open ended, to set balanced cement plug.
a. Space out to place a tool joint at the rig floor.
13. Rig up SLB cement lines and pressure test to 1500 psi.
a. Ensure cement lines are properly secured with whip check
b. Ensure rig floor is cleared while pressure testing and while pumping cement at all times.
14. Place a balanced cement plug with 15.8 ppg Class G cement per SLB pumping schedule
a. Under flush allowing plug to balance
b. Planned top of cement at 50 ft.
c. Assume 10% excess in the open hole.
d. Volume: 128.9 bbls (624 sacks) of cement.
15. Pull out of the balanced plug at ~45 ft/minute. Ensure standpipe bleeder line is open so pipe pulls dry.
16. Wash out all DP as it is laid down to remove any cement left on the I.D.
17. Rig down and move off the well.
18. Skid rig back to the Viper Pyro 39N2-10HZ and drill this well while further plans are decided.

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

Signed: _____ Print Name: Cheryl Light

Title: Sr. Regulatory Analyst Date: 6/9/2015 Email: cheryl.light@anadarko.com

Based on the information provided herein, this Well Abandonment Report (Form 6) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: SCHLAGENHAUF, MARK Date: 6/18/2015

CONDITIONS OF APPROVAL, IF ANY: Expiration Date: 12/17/2015

COA Type	Description
	1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) Change step 12 of procedure from proposed 8824' to 827'. 3) For 827' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 200' or shallower. If shoe plug not circulated to surface then place 10-40 sx inside casing at surface. Leave at least 100' for each plug. 4) File updated "as pluggged" wellbore diagram with form 6 (s) Subsequent Report of Abandonment.

Attachment Check List

Att Doc Num	Name
400850273	FORM 6 INTENT SUBMITTED
400850667	WELLBORE DIAGRAM
400850669	PROPOSED PLUGGING PROCEDURE

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Engineer	Confirmed with operator that conductor casing was used.	6/18/2015 1:13:56 PM
Engineer	Following Lost hole rig skid approval procedure after hole drilled to 827' and surface casing run to 260'.	6/18/2015 9:41:31 AM
Engineer	Moved back to draft per operator email. They will file a form 5 for this well and the sidetrack.	6/16/2015 3:04:54 PM
Permit	No Completion Report. TD of 827'.	6/9/2015 8:37:20 AM

Total: 4 comment(s)