

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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Document Number:

400785217

Date Received:

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: REBECCA HEIM

Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP

Phone: (720) 929-6361

Address: P O BOX 173779

Fax: (720) 929-7361

City: DENVER State: CO Zip: 80217-

Email: REBECCA.HEIM@ANADARKO.COM

For "Intent" 24 hour notice required,

Name: _____

Tel: _____

COGCC contact:

Email: _____

API Number 05-123-16078-00

Well Name: HENRICKSON AMOCO

Well Number: 41-19A

Location: QtrQtr: NENE Section: 19 Township: 3N Range: 66W 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: 40.215920

Longitude: -104.813480

GPS Data:

Date of Measurement: 03/14/2006

PDOP Reading: 3.6

GPS Instrument Operator's Name: Chris Fisher

Reason for Abandonment: ☐ Dry ☐ Production for Sub-economic ☐ Mechanical Problems☐ Other _____Casing to be pulled: ☐ Yes ☐ No

Estimated Depth: _____

Fish in Hole: ☐ Yes ☐ No

If yes, explain details below

Wellbore has Uncemented Casing leaks: ☐ Yes ☐ No

If yes, explain details below

Details: _____

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	7360	7372	01/05/2015	B PLUG CEMENT TOP	4988
J SAND	7803	7852	01/05/2015	B PLUG CEMENT TOP	4988
NIOBRARA	7104	7116	01/05/2015	B PLUG CEMENT TOP	4988

Total: 3 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	12+1/4	8+5/8	24	466	290	466	0	VISU
1ST	7+7/8	4+1/2	11.6	7,611	185	7,610	6,640	CBL
1ST LINER	3+7/8	2+7/8	6.5	7,935	35	7,966	7,400	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 4988 with 2 sacks cmt on top. CIBP #2: Depth 80 with _____ sacks cmt on top.
CIBP #3: Depth _____ with _____ sacks cmt on top. CIBP #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 50 sks cmt from 7140 ft. to 5481 ft. Plug Type: CASING Plug Tagged: ☐
Set 490 sks cmt from 1222 ft. to 375 ft. Plug Type: STUB PLUG 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 4515 ft. with 260 sacks. Leave at least 100 ft. in casing 4176 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 _____ sacks half in. half out surface casing from _____ ft. to _____ ft. Plug Tagged: ☐

Set 33 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: 1100 ft. of 4+1/2 inch casing

Plugging Date: 01/23/2015

*Wireline Contractor: NABORS/WARRIOR

*Cementing Contractor: SANJEL

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1103 ☐ Yes ☐ No

*ATTACH JOB SUMMARY

Technical Detail/Comments:

From: "Schlagenhauf - DNR, Mark"
Date: 12/22/2014 11:27 AM (GMT-07:00)
To: "Marchant, Brent"
Subject: Re: Henrickson Amoco 41-19A P&A 123-16078
Brent,
No objection.
Mark Schlagenhauf P.E.

On Mon, Dec 22, 2014 at 11:13 AM, Marchant, Brent <Brent.Marchant@anadarko.com> wrote:
Mark,

We rigged up on this well last Friday. Since then, this is what we have learned: Tubing is partially plugged or partially collapsed at 7140'. Can't get any wireline tools (down to 1" OD) past 7140'. Can pump down tubing – goes on vacuum after 15 bbl or so. Can't pump down casing – pressured up after 10 bbl, but is dead. Free point indicates tubing stuck up to 5250' and 100% free at 5000'. It appears the well was communicated to from an offset frac and is sanded up. This is what we propose:

1. Pump 50 sks cement down 2 3/8" followed by wiper plug to 7140'. Apparently we are pumping into the J Sand from what we are seeing.
2. Perforate tubing at 7130' and attempt to circulate. If we can circulate, we may free the tubing up and be able to recover from that point.
3. If unable to circulate, but able to pump fluid away, pump 25 sks cement follow by wiper plug to +/-6900'.
4. Cut off tubing at 5000' and recover. Proceed with approved plan from there with SX suicide squeeze...

Please indicate your concurrence (or not).

Brent Marchant

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

Signed: _____

Print Name: REBECCA HEIM

Title: SR. REGULATORY ANALYST

Date: _____

Email: rscdjpostdrill@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: _____

Date: _____

CONDITIONS OF APPROVAL, IF ANY: _____

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400785219	OPERATIONS SUMMARY
400785220	CEMENT BOND LOG
400785222	CEMENT JOB SUMMARY
400785223	GYRO SURVEY
400785224	WELLBORE DIAGRAM
400785225	WIRELINE JOB SUMMARY

Total Attach: 6 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)