

FORM
6Rev
02/20

State of Colorado Oil and Gas Conservation Commission

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



DE ET OE ES

Document Number:

402327917

Date Received:

03/12/2020

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: 19160

Contact Name: Coby Lazarine

Name of Operator: CONOCO PHILLIPS COMPANY

Phone: (281) 206-5324

Address: 925 N ELDRIDGE PARKWAY

Fax:

City: HOUSTON State: TX Zip: 77079

Email: coby.l.lazarine@conocophillips.com

For "Intent" 24 hour notice required,

Name:

Tel:

COGCC contact:

Email:

Type of Well Abandonment Report:



Notice of Intent to Abandon



Subsequent Report of Abandonment

API Number 05-005-07200-02

Well Name: Murphy Family 4-64 25

Well Number: 1H

Location: QtrQtr: NWNW

Section: 25

Township: 4S

Range: 64W

Meridian: 6

County: ARAPAHOE

Federal, Indian or State Lease Number:

Field Name: DJ HORIZONTAL NIOBRARA

Field Number: 16950

Only Complete the Following Background Information for Intent to Abandon

Latitude: 39.678628

Longitude: -104.508494

GPS Data: GPS Quality Value: 2.3

Type of GPS Quality Value:

Date of Measurement: 05/09/2013

GPS Instrument Operator's Name: Dallas Nielsen

Reason for Abandonment:



Dry



Production 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
NIOBRARA	7892	11909	01/22/2020	B PLUG CEMENT TOP	6625

Total: 1 zone(s)

Casing History

Casing Type	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bot	Cement Top	Status
CONDUCTOR	24	16	CMP	100	200	100	0	VISU
SURF	13+1/2	9+5/8	36	2,033	930	2,033	0	VISU
1ST	8+3/4	7	32	7,892	535	7,892	2,110	CBL
1ST LINER	6	4+1/2	13.5	11,899	0			CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6800 with 30 sacks cmt on top. CIBP #2: Depth _____ 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 <u>30</u> sks cmt from <u>6625</u> ft. to <u>6800</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>46</u> sks cmt from <u>3344</u> ft. to <u>3604</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>35</u> sks cmt from <u>1726</u> ft. to <u>1869</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input checked="" type="checkbox"/>
Set <u>79</u> sks cmt from <u>830</u> ft. to <u>1280</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input checked="" type="checkbox"/>
Set <u>83</u> sks cmt from <u>0</u> ft. to <u>548</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>

Perforate and squeeze at 2082 ft. with 0 sacks. Leave at least 100 ft. in casing _____ CICR Depth

Perforate and squeeze at 1860 ft. with 0 sacks. Leave at least 100 ft. in casing _____ CICR Depth

Perforate and squeeze at 1297 ft. with 190 sacks. Leave at least 100 ft. in casing 1280 CICR Depth

(Cast Iron Cement Retainer Depth)

Set 35 sacks half in. half out surface casing from 1924 ft. to 2105 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. _____ inch casing Cut and Cap Date: 02/06/2020

*Wireline Contractor: Cannon Well Service

*Cementing Contractor: Cannon Oil & Gas

Type of Cement and Additives Used: 15.8# Class G cement with Gascon additive

Flowline/Pipeline has been abandoned per Rule 1105 ☒ Yes ☐ No

Technical Detail/Comments:

Bradenhead Test performed 12/18/19 (402267761).

Form 42 48-Hour Notice of Start of Plugging Operations submitted 2/24/20 (402321053).

On-pad flowline was removed. Form 42 Flowline Pre-Abandonment Notice was approved on 2/24/20 (402321070) and the Flowline Abandonment Completion Notice approved 2/24/20 (402321088).

Surface plug is a minimum of 50'. All other cement plugs without mechanical isolation have a minimum of 100' of cement left in casing.

On 1/21/20, checked well for fluid/gas migration. No indication of fluid/gas migration in wellbore.

1/20/20 - Set CIBP in 7" csg @ 6800'. Set cmt plug in 7" csg w/ 30 sks cmt above CIBP @ 6625' - 6800'.

1/21/20 - Pumped balanced cmt plug in 7" csg w/ 46 sks cmt @ 3344' - 3604'.

1/22/20 - Perf'd 7" csg @ 2082' - 2084'. Attempted to squeeze cmt up 7" x 9-5/8" annulus. Could not circulate. Received approval from COGCC to pump balanced cmt plug. Pumped balanced cmt plug in 7" csg w/ 35 sks cmt @ 1924' - 2105'. Tagged TOC.

1/22/20 - Perf'd 7" csg @ 1860' - 1862'. Attempted to squeeze cmt up 7" x 9-5/8" annulus. Could not circulate. Received approval from COGCC to pump balanced cmt plug. Pumped balanced cmt plug in 7" csg w/ 35 sks cmt @ 1668' - 1869'. Tagged TOC @ 1726'.

1/23/20 - Perf'd 7" csg @ 1297' - 1299'. Circulated backside (7" x 9-5/8" annulus) and received returns to surface. Contacted COGCC and received approval to set cmt retainer and squeeze annular cmt plug to surface. Set cmt retainer in 7" csg @ 1280'.

Squeezed cmt plug w/ 190 sks cmt up 7" x 9-5/8" annulus to surface. Received cmt returns to surface. Set cmt plug in 7" csg above CICR w/ 79 sks cmt @ 830' - 1280'. Tagged TOC @ 830'.

1/24/20 - Pumped balanced cmt surface plug in 7" csg w/ 83 sks cmt @ 0' - 548'.

1 bbl of cmt = 4.9 sacks

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

Signed: _____ Print Name: Larry Smith
Title: Sr. Reg Coordinator Date: 3/12/2020 Email: larry.r.smith@conocophillips.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: Jacobson, Eric Date: 1/25/2021

CONDITIONS OF APPROVAL, IF ANY:

COA Type Description

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Attachment List

<u>Att Doc Num</u>	<u>Name</u>
402327917	FORM 6 SUBSEQUENT SUBMITTED
402328977	CEMENT JOB SUMMARY
402328979	WIRELINE JOB SUMMARY
402334155	OTHER
402334157	OTHER
402334158	OTHER
402334172	OTHER
402336127	WELLBORE DIAGRAM
402340500	OPERATIONS SUMMARY
402340515	OTHER

Total Attach: 10 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)