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: Johnson, Randell Tel: (303) 815-9641 Email: randell.johnson@state.co.us

API Number 05-123-23764-00

Well Name: JOHNSON NIVEN U Well Number: 13-6JI

Location: QtrQtr: SENW Section: 13 Township: 2N Range: 68W 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: 40.142099 Longitude: -104.955771

GPS Data:

Date of Measurement: 10/18/2006 PDOP Reading: 2.5 GPS Instrument Operator's Name: PAUL TAPPY

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

☐ Other

Casing to be pulled: ☒ Yes ☐ No Estimated Depth: 1040

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

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

Details: Fish in hole at 8043' consists of drill bit, bit sub, tubing and chemical cutter. Total length of fish is 22'. Historical efforts to remove fish have been unsuccessful. - Stage tool at 5246'

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	7547	7568			
NIOBRARA	7334	7348			

Total: 2 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	721	290	721	0	CALC
1ST	7+7/8	4+1/2	11.6	8,128	250	8,128	6,436	CBL
			Stage Tool	5,246	340	5,253	2,942	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7270 with 30 sacks cmt on top. CIPB #2: Depth 80 with 25 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 30 sks cmt from 7270 ft. to 6870 ft. Plug Type: CASING Plug Tagged: ☐

Set 95 sks cmt from 5300 ft. to 4120 ft. Plug Type: CASING 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 245 sacks half in. half out surface casing from 1140 ft. to 520 ft. Plug Tagged: ☒

Set 25 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:

5 MIRU WO rig. Kill well as necessary with water and biocide. ND wellhead. NU BOP.
6 Unland 2-3/8" tbg (228 total joints landed at 7530') and TOOH standing back 7270' 2-3/8" tubing. LD extra tubing.
7 MIRU wireline. RIH with junk basket/gauge ring (4-1/2" 11.6#) to 7320'. POOH. PU and RIH with CIBP (4-1/2", 11.6#) to set at 7270' (collars at 7235' and 7278'). POOH. RDMO wireline.
8 MIRU hydrotester. Hydrotest 2-3/8" tubing to 3000psi while TIH open ended. Tag CIBP set at 7270'. PUH just above CIBP and circulate all gas out of the hole. Pumping water with biocide, pressure test the CIBP and production casing to 1000psi for 15 minutes. If pressure test passes, proceed to next step; otherwise contact engineering.
9 MIRU cementing services. Establish circulation with water and pump 30 sx Class "G" cement with 20% silica flour, 0.4% CD-32 and 0.4% ASA-301 mixed at 15.8ppg and 1.38 cuft/sx (cement volumes based on 4-1/2" 11.6# casing capacity from 7270' to 6870' with no excess). Displace cement to estimated TOC at 6790' using approx. 26 bbls water. TOOH and stand back 2-3/8" tubing so EOT at +/- 6590'. Reverse circulate using approx. 52 bbls water (2 times tubing volume) or until returns are clean. RDMO cementing services.
10 TOOH so EOT is at 5300'. LD extra tubing.
11 MIRU cementing services. Establish circulation with water and pump 20 bbls sodium metasilicate, 5 bbl water spacer, 95 sx Class "G" cement with 0.25 pps cello flake, 0.4% CD-32 and 0.4% ASA-301 mixed at 15.8ppg and 1.15 cuft/sx (cement volumes based on 4-1/2" 11.6# casing capacity with no excess from 5300' to 4120'). Displace cement to estimated TOC at 4040' using approx. 15.5 bbls water. TOOH and stand back 2-3/8" tubing so EOT at +/- 3850'. Reverse circulate using approx. 30 bbls water (2 times tubing volume) or until returns are clean. RDMO cementing services. WOC to set up per cementing company recommendation.
12 PU and TIH with 2-3/8" tubing to tag cement plug at +/- 4040'. If cement is not above 4120' contact engineer, otherwise proceed to next step.
13 TOOH and stand back 1140' of 2-3/8" tubing and LD extra tubing.
14 MIRU wireline. RIH and jet cut 4-1/2" production casing at 1040'. RDMO wireline. Circulate bottoms up and continue circulating to remove any gas from wellbore.
15 ND BOP. Install BOP on surface casing head with 4-1/2" pipe rams. Install 3000 psi ball valves on both casing head outlets. Install a choke or choke manifold on one outlet.
16 TOOH and LD 1040' of 4-1/2" casing.
17 TIH w/ 2-3/8" tubing open ended to 1140' (100' inside the 4-1/2" stub).
18 MIRU cementing services. Establish circulation with water and pump 10 bbls SAPP mud flush, 20 bbls fresh water spacer, then balanced stub plug using 245 sx Type III cement with cello flake and CaCl2 as necessary, mixed at 14.8 ppg and 1.33 cuft/sx (cement volumes based on 100' inside 4-1/2" casing, 319' in 10" hole with 40% excess, and 200' in 8-5/8" surface casing). RDMO cementing services.
Johnson Niven U 13-6JI: Plug & Abandonment
19 TOOH and LD 2-3/8" tubing until EOT at +/- 200'. Circulate down tubing and up surface casing/tubing annulus until returns are clean to ensure CIBP can be set in clean surface casing. Finish TOOH and LD 2-3/8" tubing. WOC to set up per cementing company recommendation.
20 PU and TIH with 2-3/8" tubing to tag cement plug at +/- 520'. If cement is not above 520' contact engineer, otherwise proceed to next step.
21 TOOH and LD all 2-3/8" tubing.
22 MIRU wireline. PU and RIH with CIBP (8-5/8", 24#/ft). Set CIBP at 80' and pressure test the CIBP to 1000psi for 15mins. If pressure test fails contact engineering, otherwise proceed to next step.
23 RDMO wireline. RDMO WO rig.
24 Instruct cementing and wireline contractors to e-mail copies of all job logs/job summaries to rscDJVendors@anadarko.com within 24 hours of completion of job.
25 Supervisor submit paper copies of all invoices, logs, and reports to Joleen Kramer.

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: 10/21/2014 Email: DJREGULATORY@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: 11/20/2014

CONDITIONS OF APPROVAL, IF ANY: Expiration Date: 5/19/2015

COA Type	Description
	1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) If unable to pull casing contact COGCC for plugging modifications. 3) For 1140' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 671' or shallower. 4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 5) Please submit gyro survey data with Form 6 (s) Subsequent Report of Abandonment.

Attachment Check List

Att Doc Num	Name
400713757	FORM 6 INTENT SUBMITTED
400713759	PROPOSED PLUGGING PROCEDURE
400713760	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Permit	Well Completion Report dated 6/28/2007.	10/29/2014 2:54:11 PM

Total: 1 comment(s)