

FORM
6Rev
12/05State 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:

400484807

Date Received:

09/24/2013

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,

Name: PRECUP, JIM

Tel: (303) 726-3822

COGCC contact:

Email: james.precup@state.co.us

API Number 05-123-11213-00

Well Name: UPRR 50 PAN AM "I"

Well Number: TRUE 2

Location: QtrQtr: SWSE Section: 35 Township: 2N 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: 40.090014

Longitude: -104.740756

GPS Data:

Date of Measurement: 08/22/2009

PDOP Reading: 2.1

GPS Instrument Operator's Name: Cody Mattson

Reason for Abandonment:

☐ Dry☒ Production for Sub-economic☐ Mechanical Problems☐ OtherCasing to be pulled: ☒ Yes☐ No

Estimated Depth: 1554

Fish in Hole: ☐ Yes☒ No

If yes, explain details below

Wellbore has Uncemented Casing leaks:

☐ Yes☒ No

If yes, explain details below

Details: CIBP w/ 12' sand is set at 7580' when the JS was abandoned.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
NIOBRARA-CODELL	7318	7524			
SUSSEX	4722	4832	09/07/2011	SQUEEZED	
J SAND	7958	7982	09/14/2011	BRIDGE PLUG	7580

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	9+5/8	36	1,132	540	1,132	0	CALC
1ST	7+7/8	5+1/2	14/17	8,139	1,300	8,139	3,220	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7580 with 2 sacks cmt on top. CIPB #2: Depth 7160 with 40 sacks cmt on top.
CIBP #3: Depth 4360 with 2 sacks cmt on top. CIPB #4: Depth 100 with 2 sacks cmt on top.
CIBP #5: Depth _____ with _____ sacks cmt on top.

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

Set 140 sks cmt from 5560 ft. to 4392 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: ☐
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 225 sacks half in. half out surface casing from 1300 ft. to 450 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:

Upr 50 Pan Am "I" True #2

1. Provide 48 hour notice of MIRU to COGCC per approved Form 6.
2. Call foreman or Lead Operator before rig up to isolate production equipment. Install fence if needed.
3. Gyro survey ran in 1/2012.
4. Kill well, as necessary, with water containing biocide. ND wellhead. NU BOP's. Unseat landing joint and lay down.
5. Place cement services on will call when rig moves on location, providing expected volumes of cement needed. (~40 sx plug #1; ~140 sx plug #2; ~225 sx plug #3)
6. MIRU WO rig. MI 10 jts 2 3/8" 4.7# J-55 workstring.
7. TOOH and stand back 2-3/8" tbg.
8. PU and TIH with casing scraper & bit for 5.5" casing. Scrape casing to ~7200'. Circulate hole clean and with water containing biocide. TOOH and lay down scraper and bit and stand back tubing.
9. RIH and dump bail 2 sx of cement on top of existing CIBP @ 7580' (12' sand fill on top of CIBP). TOOH and stand back 7200' tbg.
10. RIH w/ 5-1/2" CIBP and set @ 7160'. POOH. MIRU cementing services. Mix and Pump 40 sx of Class "G" w/ 20% silica flour, 0.4% CD-32, 0.4% ASA-301 and R-3 to achieve 2:30 pump time (yield 1.38 ft3/sx, 15.8 ppg) setting balanced plug from CIBP to 6740'. RDMO cementing services.
11. PUH 21 jts (~660') to 6500' and circulate hole with at least 9 ppg mud w/ biocide to fill hole and remove any cement. PUH to 5770', lay down remaining tubing.
12. MIRU cementing services. Preflush with 5 bbl H2O, 20 bbl of sodium metasilicate, 5 bbl H2O.
13. Mix and Pump 140 sx of Class "G" cement with 1/4 #/sx cello-flake, 0.4% CD-32 and 0.4% ASA-301 (yield 1.15 ft3/sx, 15.8 ppg), spotting the plug from 5560' to 4392'.
14. PUH 38 jts (~1200') to 4200' laying down tubing and circulate hole with at least 9 ppg mud to remove any cement. RDMO cementing services. TOOH and stand back 4360' of tbg, lay down remaining tubing.
15. RIH w/ 5- 1/2" CIBP and set @ 4360'.
16. PUH and dump bail 2 sx of cement on top of CIBP @ 4360'. TOOH and stand back 1700' of tbg, lay down remaining tbg.
17. MIRU slickline services. Shoot off casing at 1554'. RDMO wireline services.
18. NDBOP NDTH. Unland casing from slips.
19. NU BOP on casing head. Install 5-1/2" pipe rams.
20. PU casing and conventionally circulate 200 bbl of mud. If circulation cannot be established contact engineer and COGCC for change in procedure.
21. TOOH with 5-1/2" casing and lay down.
22. PU 2-3/8" tbg and TIH into casing stub to 1654'.
23. MIRU cementing services. Mix and pump 225 sx of Type III cement from 1654' to 450' (yield 1.53 ft3/sx, 14.0 ppg). Displace cement. PUH to 100' and circulate 10 bbl of mud to remove any cement. RDMO cementing services. TOOH and stand back 525' of tubing, lay down remaining tubing. WOC 4 hrs or overnight.
24. TIH and tag cement plug, NOTE: DEPTH OF PLUG IN OPENWELLS. If plug top is above 500' TOOH and lay down tubing.
25. MIRU wireline services. PU 9-5/8" CIBP and RIH to 100'. Set CIBP and POOH. Pressure test CIBP to 1000 psi for 15 minutes. RDMO wireline services.
26. Assuming CIBP tests, RDMO
27. Wellsite supervisor turn all paper copies of cementing reports/invoices and logs in to Sabrina Frantz. NOTE: During the job, wellsite supervisor should instruct the logging and cementing contractors to e-mail all logs, job reports/invoices to Sabrina Frantz.
28. Have excavation contractor notify One-Call to clear for digging around wellhead and flowline removal.
29. Check top of cement inside 9-5/8" surface casing, place redi-mix cementer on will call. (7.5 bbl)
30. Excavate hole around surface casing of sufficient size and depth to allow welder to cut off 9-5/8" surface casing and at least 5' below ground level.
31. Have welder cut off 9-5/8" surface casing at least 5' below ground level.
32. MIRU ready cement mixer. Use 4,500 psi compressive strength redi-mix cement (sand and cement only, no gravel) to finish filling surface casing and production casing to top of cut off.
33. Have welder spot weld steel marker plate on top of surface casing.

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: 9/24/2013 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: 10/10/2013

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 4/9/2014

<u>COA Type</u>	<u>Description</u>
	1) Provide 24 hour notice of MIRU to Jim Precup at 303-726-3822 or e-mail at james.precup@state.co.us. 2) Leave at least 100' cement in the wellbore for each plug. 3) For 1300' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 1082' or shallower. 4) Properly abandon flowlines as per Rule 1103. 5) Provide Contractor records for existing CIBP with Sand Cap @ 7580' with Form 6 (S), along with Contractor records for other plugs.

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400484807	FORM 6 INTENT SUBMITTED
400484817	WELLBORE DIAGRAM
400484819	WELLBORE DIAGRAM
400484893	PROPOSED PLUGGING PROCEDURE

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Proposed WBD does not show all perfs, but they are shown on the current WBD.	10/8/2013 11:45:14 AM
Permit	Added Sussex and Niobrara-Codell to Zones tab. Requested wellbore diagram showing all perforations.	9/25/2013 2:48:02 PM
Permit	Checking w/operator - Sussex, Nio and Codell still open and not referenced on Zones tab.	9/25/2013 8:11:11 AM

Total: 3 comment(s)