

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.

Document Number:
400616950

Date Received:
05/29/2014

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: MONTOYA, JOHN Tel: (970) 3974124

COGCC contact: Email: john.montoya@state.co.us

API Number 05-123-10055-00

Well Name: UPRR 38 PAN AM GAS UNIT H Well Number: 2

Location: QtrQtr: NWNW Section: 15 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: 40.141680 Longitude: -104.768029

GPS Data:
Date of Measurement: 05/06/2014 PDOP Reading: 2.2 GPS Instrument Operator's Name: BART PFEIFER

Reason for Abandonment: Dry Production for Sub-economic Mechanical Problems
 Other Reenter to replug

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: deleted 06/02/2014 This well was originally abandoned in 1995. Well is to be re-entered and additional cement added to isolate the Niobrara, Sussex, and Fox Hills formations. Casing leaks at 830', 1346' and 2169' were cemented with a total of 450 sacks in December 1994. As-built well location GPS data will be submitted on the Form 6 Subsequent Report of Abandonment. Purpose is to re-enter and adequately re-plug prior to hydraulic stimulation of proposed horizontal well per DJ Basin Offset Policy dated December 16, 2013. Closed loop system will be used. Re-entry and re-plug procedures attached.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
J SAND	7910	7966	08/15/1995	B PLUG CEMENT TOP	7880
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
SURF	12+1/4	8+5/8	24	297	250	297	0	VISU
1ST	7+7/8	4+1/2	10.5/11.6	8,087	200	8,087	7,212	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 100 with 23 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 90 sks cmt from 2200 ft. to 600 ft. Plug Type: CASING Plug Tagged:

Set 60 sks cmt from 410 ft. to 100 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 7190 ft. with 170 sacks. Leave at least 100 ft. in casing 6800 CICR Depth

Perforate and squeeze at 4460 ft. with 130 sacks. Leave at least 100 ft. in casing 4290 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 23 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:

UPRR 38 PAN AM GU H 2

Step Description of Work

- 1 Locate and expose casing stub. Extend 4 1/2" casing to GL and install 3M well head with 3000 psi ball valves in both outlets. Prepare location for workover rig. Install perimeter fence as needed.
- 2 Provide notice to COGCC prior to rig up per request on approved Form 6 (e.g. call field coordinator, submit Form 42, etc.).
- 3 MIRU workover rig. NU 7 1/16" 3000 psi BOP stack on casing head. PT BOP and csg head per approved Form 2. Function test BOPE . NU rotating head on BOP. Hook up return line to shale shaker on flat tank
- 4 PU 3 7/8" mill tooth bit, necessary drill collars and drill pipe/work string (WS). Drill through existing cement plugs (at 0' - 190', 1070' - 2100', and 4420' - 4600' per Amoco reports) using water with biocide.
- 5 Once surface plug is drilled, RIH to 2 sk cement cap on CIBP @ 7880' (calculated top is 7854').
- 6 TOOH standing back WS. LD bit and DCs.
- 7 MIRU WL. Run gyro survey from PBDT to surface. Run CBL from PBDT to surface. Forward results to Evans Engineering.
- 8 PU 2 - 1' 3-1/8" perf guns with 3 spf, 0.5" dia 120° phasing. Shoot 1' of squeeze holes at 7190' and 6770'. Adjust perf depths according to cement top per CBL. Desired bottom perf is 20' above TOC.
- 9 PU CICR. RIH and set at 6800'+/-20' pending collar locator on CBL. RD WL.
- 10 RIH w/ WS and stinger for CICR while hydrotesting to 3,000 psi.
- 11 RU Cementers. Pump Niobrara Suicide squeeze: 170 sx 50/50 Poz "G" w/ 20% silica flour, 3% gel, 0.1% sodium metasilicate and 0.4% FL-52 mixed at 13.5 ppg and 1.71 cf/sk. Underdisplace and sting out of CICR to leave 3 bbls on top of retainer. Cement volume based on 9 1/2" hole with 20% excess.
- 12 PUH 10 stands. Circulate with water containing biocide to clear tubing. TOH standing back ~ 4300' of WS.
- 13 RUWL & PU 2 - 1' 3-1/8" perf guns with 3 spf, 0.5" dia 120° phasing. Shoot 1' of squeeze holes at 4460' and 4260'. Adjust perf depths as necessary per CBL.
- 14 PU CICR. RIH and set at 4290'+/-20' pending collar locator on CBL. RD WL.
- 15 RIH w/ WS and stinger.
- 16 RU cementers. Pump 5 bbls water with biocide, 20 bbls Sodium Metasilicate solution, and another 5 bbl spacer immediately preceding cement.
- 17 Pump Sussex squeeze consisting of 130 sx class "G" w/0.25 pps cello flake, 0.4% CD-32, 0.4% ASA-301 mixed at 15.8 ppg and 1.15 cf/sk. Underdisplace and sting out of CICR to leave 3 bbls of cement on top of retainer. (Cement volume based on 10" hole with 20% excess).
- 18 PUH 10 stands. Circulate with water containing biocide to clear tubing. TOH standing back ~ 2200' of WS.
- 19 Consult with Evans Engineering to determine cement work required to isolate Fox Hills formation based on CBL. Also determine if any 4 1/2" casing can be recovered per CBL.
- 20 If no Fox Hills squeeze work is required, TIH WS open-ended to place cement plug in 4 1/2" casing covering leaks identified by Amoco between 2200' and surface. (830', 1349', 2169')
- 21 RU Cementers. Mix and equalize cement plug (in stages as needed) from 2200' to 600'. Total slurry required: 90 sx Type III cement w/ CaCl2 as deemed necessary mixed at 14.0 ppg and 1.53 cf/sk. If 4 1/2" casing cannot be cut off in open hole, extend plug to 100' from surface with addition of 30 sx cement and skip steps 23 & 24. TOH WS.
- 22 WOC per cement company recommendation. Tag top of plug.
- 23 Cut off 4 1/2" casing as deep as possible above TOC and below shoe of surface casing. LD casing.
- 24 TIH WS open-ended. RU cementers and spot cement plug from 100' inside 4 1/2' casing stub to 100' from surface: 60 sx Type III cement w/0.25 pps cello flake and Cacl2 as deemed necessary mixed at 14.0 ppg and 1.53 cf/sk. Volume to be adjusted as necessary after CBL is run. WOC per cement company recommendation and tag plug at 100'.
- 25 MIRU WL. RIH 4 1/2" or 8 5/8" CIBP as needed to 100'. Set, PT to 1000 psi for 15 min. If tests, RDMO WL and WO rig.
- 26 Instruct cementing and wireline contractors to e-mail copies of all job logs.

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: 5/29/2014 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: _____ Date: _____

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: _____

COA Type	Description

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400616950	FORM 6 INTENT SUBMITTED
400616965	OTHER
400616966	PROPOSED PLUGGING PROCEDURE
400616967	SURFACE AGRMT/SURETY
400616974	WELLBORE DIAGRAM

Total Attach: 5 Files

General Comments

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

Total: 0 comment(s)