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400519495

Date Received:
11/26/2013

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: <u>47120</u>	Contact Name: <u>CHERYL LIGHT</u>
Name of Operator: <u>KERR-MCGEE OIL & GAS ONSHORE LP</u>	Phone: <u>(720) 929-6461</u>
Address: <u>P O BOX 173779</u>	Fax: <u>(720) 929-7461</u>
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80217-</u>	Email: <u>CHERYL.LIGHT@ANADARKO.COM</u>
For "Intent" 24 hour notice required, Name: <u>PRECUP, JIM</u> Tel: <u>(303) 726-3822</u>	
COGCC contact: Email: <u>james.precup@state.co.us</u>	

API Number <u>05-123-20941-00</u>	Well Name: <u>RANDI</u>	Well Number: <u>9-16A</u>
Location: QtrQtr: <u>NESE</u> Section: <u>16</u> Township: <u>2N</u> Range: <u>67W</u> Meridian: <u>6</u>	County: <u>WELD</u> Federal, Indian or State Lease Number: _____	
Field Name: <u>WATTENBERG</u>	Field Number: <u>90750</u>	

Notice of Intent to Abandon Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.136490 Longitude: -104.888180

GPS Data:
Date of Measurement: 06/25/2008 PDOP Reading: 2.0 GPS Instrument Operator's Name: Cody Mattson

Reason for Abandonment: Dry Production for Sub-economic Mechanical Problems
 Other _____

Casing to be pulled: Yes No Estimated Depth: 1345

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
J SAND	8042	8085			

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	769	540	769	0	VISU
1ST	7+7/8	4+1/2	11.6	8,166	530	8,166	6,872	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7940 with 2 sacks cmt on top. CIBP #2: Depth 7260 with 30 sacks cmt on top.
CIBP #3: Depth 100 with 23 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 70 sks cmt from 5130 ft. to 4310 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 260 sacks half in. half out surface casing from 1445 ft. to 570 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:

Randi 9-16A P&A (74455)

1. Call foreman or Lead Operator before rig up to isolate and remove automation and production equipment. Install fence if needed.
2. MIRU slickline services & VES. Pull bumper spring, tag bottom and run Gyro stopping every 100' from 8000'. (Gyro ordered 11/21/13) Forward survey data and invoices to Sabrina Frantz. RDMO SL.
3. Provide notice to COGCC prior to MIRU per Form 6 COA.
4. Notify IOC when rig moves on location to generate work order for flowline removal and one call for line locates.
5. Prepare location for base beam rig.
6. MIRU WO rig. Kill well; circulate as necessary, with water containing biocide. ND wellhead. NU BOP's. Unseat landing joint and lay down.
7. Place cement services on will call when rig moves on location, providing expected volumes of cement needed. (~260sx for top plug; ~70 sx for Sx/Sh plug and 30 sx for NB/CD plug).
8. TOOH and stand back 2-3/8" TBG.
9. MIRU wireline services. RIH gauge ring for 4-1/2" casing to 7950'
10. PU 4-1/2" CIBP and RIH to 7940', set CIBP. Note: PT CIBP to 1000 psi
11. Dump bail 2 sacks of cement on top of CIBP at 7940'.
12. PU 4-1/2" CIBP and RIH on wireline to 7260'. Set CIBP. PT CIBP to 1000 psi
13. RIH on 2-3/8" TBG to 7260'.
14. Initiate circulation using water containing biocide. Note rate and pressure.
15. MIRU cementing services. Pump 30 sx of 50/50 Poz Class "G" cement with 20% silica flour, 3.0% gel, 0.4% ASA – 301 & R-3; 0.4% CD-52 mixed at 15.8 ppg and 1.38 cuft/sk yield to achieve a 2:30 pump time. Underdisplace by 3 BBL.
16. PUH 6 stands. Circulate (TBG Vol + Excess) to CLR TBG. RD cementing services
17. Load hole and circulate with 9.0 ppg mud containing biocide.
18. TOOH w/ 2130' of TBG. LD remainder.
19. RU cementing services. Preflush with 5 bbl H2O, 20 bbl of sodium metasilicate, 5 bbl H2O.
20. Spot 70 sx of Class "G" cement with ¼ #/sx cello-flake, 0.4% CD-32 and 0.4% ASA-301 with 1.15 cuft./sk yield..
21. PUH 6 stands. Circulate 9.0 ppg mud with biocide to CLR TBG.
22. P&SB 1445' TBG, LD remainder. RD cementing services.
23. RU wireline services. Crack closest coupling at 1345' or shoot off. RD wireline.
24. Circulate with mud w/ biocide.
25. NDBOP, NDTH.
26. NU BOP on casing head. Install 4-1/2" pipe rams.
27. TOOH with 4-1/2" casing and lay down.
28. RIH with 2-3/8" TBG into casing stub to 1445'.
29. RU Cementing services. Spot 260 sx (Open Hole diameter from caliper of 9" with 20% excess) of Type III cement from 1445' to 570' (Mixed at 14.0 ppg and 1.53 cuft/sk). PUH & circulate 9.0 PPG mud w/ biocide to clear TBG. TOOH. WOC 4 hrs
30. TIH and tag cement plug. If plug top is below 570', top as necessary.
31. MIRU wireline services. PU 8-5/8" CIBP and RIH to 100'. Set CIBP. Pressure test CIBP to 1000 psi for 15 minutes. If plug tests, RDMO wireline and WO rig.
32. 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.
33. Have excavation contractor notify One-Call to clear for excavating around wellhead and flowline removal.
34. Excavate hole around surface casing of sufficient size and depth to allow welder to cut off 8-5/8" surface casing and at least 5' below ground level.
35. Have welder cut off 8-5/8" surface casing at least 5' below ground level.
36. MIRU ready cement mixer. Use 4,500 psi compressive strength redi-mix cement (sand and cement only, no gravel) Fill STUB. RDMO cement services.
37. Have welder spot weld steel marker plate on top of surface casing. (Note: marker shall be labeled with well name and number, legal location (¼ ¼ description) and API number.
38. Properly abandon flowlines as per Rule 1103.
39. Have excavation contractor back fill hole with native material. Clean up location and have leveled.
40. Submit Form 6 to COGCC.

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: 11/26/2013 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: 11/29/2013

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 5/28/2014

<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) If unable to pull casing, contact COGCC for plugging modifications. 4) For 1445' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 719' or shallower. 5) Submit gyro when run. 6) Properly abandon flowlines as per Rule 1103.

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400519495	FORM 6 INTENT SUBMITTED
400519496	PROPOSED PLUGGING PROCEDURE
400519497	WELLBORE DIAGRAM
400519498	WELLBORE DIAGRAM

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Well Completion report dated 9/27/2002.	11/29/2013 7:59:08 AM

Total: 1 comment(s)