

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
June 19, 2008

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-045-08043
1. Type of Well: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator Orphan Well C/O NMOCD Aztec Office		6. State Oil & Gas Lease No.
3. Address of Operator 1000 Rio Brazos Road, Aztec, NM 87410		7. Lease Name or Unit Agreement Name Duggen B
4. Well Location Unit Letter_H _____: _____ 2000 feet from the North line and _____ 550 feet from the East line Section 20 Township 29 North Range 11 West NMPM San Juan County		8. Well Number #6
11. Elevation (Show whether DR, RKB, RT, GR, etc.) ??		9. OGRID Number
		10. Pool name or Wildcat Farmington Sand

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

A-Plus Well Service, Inc. plugged and abandon this well per the attached P&A report on February 17, 2015.

Underground plate marker with coordinates 36° 42' 46" N 108° 0' 28" W.

A closed loop system was used.

P&A Marker was re-surveyed at 2000' FNL & 550' FEL.

OIL CONS. DIV DIST. 3

APR 02 2015

Spud Date:

PNR only

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE William Clark TITLE Contractor DATE March 30, 2015

Type or print name William Clark E-mail address: bill@apluswell.com PHONE: 325-2627

For State Use Only

APPROVED BY: Debi Hall TITLE DEPUTY OIL & GAS INSPECTOR DISTRICT #3 DATE 4-17-15

Conditions of Approval (if any):

FV

5

A-PLUS WELL SERVICE, INC.

APR 02 2015

P.O. BOX 1979
Farmington, New Mexico 87499
505-325-2627 *fax: 505-325-1211

NMOCD Orphan Well
Duggen B #6

February 17, 2015
Page 1 of 3

2000' FNL and 550' FEL, Section 20, T-29-N, R-11-W (Corrected Surveyed 2/17/2015)
San Juan County, NM
Lease Number: FEE
API #30-045-08043

Plug and Abandonment Report
Notified NMOCD and BLM on 1/26/15

Plug and Abandonment Summary:

- Plug #1** in open hole; with 53 sxs (62.5 cf) Class B cement from 630' to 380'. WOC overnight; then tag TOC at 450'.
- Plug #2** in open hole with 90 sxs (106.2 cf) Class B cement from 450' to 196'. WOC overnight. TIH and tag TOC at 226'.
- Plug #3** with 121 sxs (143.0 cf) Class B cement with 2% CaCl inside open hole and 11" casing from 226' to surface. WOC and then tag TOC at 13'.
- Surface Plug** with 3 sxs Class B cement to top off 11.75" casing; then weld on underground marker with coordinates: 36° 42' 46" N / 108° 0' 28" W.

Plugging Work Details:

- 1/27/15 Travel to location. Made temporary fencing and gate openings. SDFD.
- 1/28/15 Travel to location. JSA with Envirotech. A-Plus vacuum truck pulling water out cellar while track hoe digging. Excavate a 50' x 50' hole to locate the old casing. Found old casing stub (11" casing with an 11-1/2" OD collar) down approximately 14' from ground level. Envirotech track hoe and loader removed approximately 600 cubic yards of contaminated soil. HNMOCD representatives took soil samples for testing. Note: there is continuous water flow outside the old casing stub and required continuous use of the vacuum truck. Envirotech belly dump trucks hauled 300 yards bad soil to their land farm and hauled in 300 yards clean dirt to worksite. A-Plus purchased two pieces of 11-3/4" casing from Cave and prepared a casing extension with a collar on the down side and a pin on the up side. SDFD.
- 1/29/15 Travel to location. A-Plus vacuum truck continued to extract fluid from cellar while Envirotech track hoe dug deeper to expose the old casing stub. A-Plus welder installed the 11-3/4" x 17' casing extension on the old casing stub. Track hoe set a 4' x 10' culvert over the casing extension. Then the culvert was filled with 5 cubic yards of cement. SDFD.
- 1/30/15 Travel to location. Vacuum extract 140 bbls from hole and transfer to steel waste pit. Envirotech continued to work removing contaminated soil. Three Rivers hauled waste fluid to Basin Disposal. SDFD.
- 1/31/15 Travel to location. Vacuum extract water from excavation into waste pit. SDFD.
- 2/1/15 Travel to location. Check for water, no water need to be extracted. SDFD.
- 2/2/15 Travel to location. Vacuum extract water from excavation into waste pit both AM & PM.

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February 17, 2015
Page 2 of 3

Plugging Work Details (continued):

- 2/4/15 Drive rig and equipment to location. Issue Hot Work Permit. A-Plus welder remove a 2' section of the casing extension and then install a 2" and a 3" collar below the pin end as outlets. Spot in rig and equipment and RU on base beam. NU Weatherford rental 11"-3/4" companion flange and 11" BOP. NU A-Plus 11" x 7-1/16" spool and stripping head above the BOP. Install two 2" ball valves in the outlet collars. Prepare drilling equipment. SDFD.
- 2/5/15 Travel to location. Check well pressures: 11" casing 0 PSI. Water still coming out of the ground approximately 4' west of 11-3/4" casing in a small stream. Function test BOP. Tally and prep 3-1/2" drill collar and tools. RU power swivel and circulate pre-mixed mud. Pick up one drill collar with power swivel and BHA of: 1) 2-7/8" X-over; 2) 2-3/8" IF X 3-1/2 reg bit sub; and 3) 6-3/4" button bit. Establish circulation. Start drilling with tag at 20'; circulate out black slit and sand. Drill down to 30'. Circulate well clean. RIH and tag at 30'. Continue to drill and wellbore sluffing in and sticky; would ream and pull up making 3 to 4 feet and then re-work the hole. Circulate well clean. PUH and go back in repeat 2-3 times before hole would have clean returns. Mud weight 9 to 9.5# Vis 40-50. Circulate well clean. TOH with BHA and SI well. SDFD.
- 2/6/15 Travel to location. Open up well; no pressures. Mix drilling mud. Note: open well and observed a 1/2" stream of water. TIH with 3-1/2" drill collar and BHA. PU 1 more drill collar tag fill at 45' clean out 65'. Returns of fine silt and mud, clean out to 125'. Fairly easy drilling. Started to make a connection and damaged the treads on the power swivel saver sub. TOH with bit. While waiting on replacement connection, mix more mud. TIH with 4 drill collars and 6.25" bit. Continue to pick up and wash down with 2-7/8" tubing workstring; clean out from 120' to 229'. Returns are silt and sand. Harder drilling from 229' to 245'. Then fell thru at wash down from 245' to 305' with lots of black silt and fine sand. Observed traces of light green oil and gas in the returns. Strong hydrocarbon odor with lots of sand and black silt. Circulate well clean to 311'. Hang back power swivel. POH with BHA. SI well. SDFD.
- 2/9/15 Travel to location. Check well pressures: casing 35 PSI. Open up well flowing 1/2" to 1/4" stream of water. TIH with BHA and 6.25" bit and tag at 305'. Establish circulation and clean out to 311' with traces of oil and gas. Good circulation with mud Vis at 35 to 38 and weight 8.6# to 8.8#. Clean out down to 347'. Mix and pump 10 sxs gel sweep to clean hole. Circulate out pieces of soft rubber, wood, fine sand and dirt. Continue to clean out to 379'. Returns with more wood, rubber and light green oil and gas. Clean out to 411'. Made connection and plugged bit. TOH with bit and found bit and 1/2 of bit sub packed with fill about 2'. TIH to 379'. PU power swivel. Clean out to 410' circulating pieces of wood, sand, rubber, oil, paraffin and gas with mud vis at 55# and mud weight 8.6#. Resume drilling at 3 to 4 bpm at 0 PSI. Returns of rubber, wood, light green oil small balls of paraffin. Hard drilling down to 425'. Circulate well clean and TOH. SI well. SDFD.

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NMOCD Orphan Well
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February 17, 2015
Page 3 of 3

Plugging Work Details (continued):

- 2/10/15 Travel to location. Well pressures: casing 40 PSI. Open up well; flowing small stream of water. TIH and establish circulation at 411'. Wash down to 425' and start drilling. Returns of formation. Fell thru at 441'. Clean out 473' fairly easy went; then found tight spot at 460'. Work tight spot and circulate well clean. More formation in returns. Drilled down to 490'. Clean out fairly easy with same returns. Start drilling hard about 500' and swivel torqueing up. Returns of formation. Drilled to 550' with same returns. Circulate well clean for 20 minutes. TOH with BHA. SI well. SDFD.
- 2/11/15 Travel to location. Well pressures: casing 35 PSI. TIH with BHA and tag at 550'. Establish circulation at 3 to 4 bbls bpm at 0 PSI. Start drilling at 550', hard drilling circulating some formation with little returns. Still hard drilling torqueing up with small returns. Establish circulation, hard drilling same returns total depth 632'. Note: B. Powell, NMOCD approved this re-entry total depth as OK. He requested a 200' to 300' plug; then WOC. Circulate well clean and TOH with 6.25" bit. SI well. SDFD.
- 2/12/15 Travel to location. Well pressures: casing 35 PSI. Note: NMOCD requiring CCL to be run before first plug. Open up well blow down well. Still flowing 1/2" stream of water. RU A-Plus wireline unit and ran CCL log from 450' to surface; found end of 11" casing at 34'. RD wireline. Note: NMOCD approved plug #1. TIH with open ended tubing to 630'. **Spot plug #1** with calculated TOC at 380'. SI well. WOC overnight. SDFD.
- 2/13/15 Travel to location. Well pressures: casing 40 PSI. Open up well flowing 1/2" stream of water. TIH and tag TOC at 450'. Note: NMOCD approved tag and requested to ream out to 430' with an 8-3/4" bit. TIH with new BHA: 1) 8-3/4" mill tooth bit; 2) bit sub; 3) 4-1/2 reg x 3-1/2 IF X-over; 4) 2-3/8" FF x 3-1/2" reg bit sub; 5) 4 - 3-1/8" drill collars; 6) X-over to 2-7/8" EUE; and 7) 2-7/8" tubing. TIH and tag at 40'. Ream out with open hole from 40' to 400'. Hard drilling from 400' to 405'; and then reamed down to 441'. Circulate well clean, still light returns. Note: NMOCD requested 250' cement plug from as deep as possible. TOH and LD BHA. TIH with open ended tubing and tag at 450'. **Spot plug #2** with calculated TOC at 196'. TOH with all tubing. SI well. SDFD.
- 2/16/15 Travel to location. Well pressures: casing on vacuum. No water flow. TIH and tag TOC at 226'. **Spot plug #3** with TOC at surface. SI well and WOC. Tag TOC at 13'. ND stripping head, A-Plus 11 x 7-1/16" adaptor spool, Weatherford 11" BOP and 11-3/4" companion flange. SDFD.
- 2/17/15 Travel to location. Dig out wellhead with backhoe. Issue Hot Work Permit. Cut off 11-3/4" casing extension. Spot surface plug to top off 11-3/4" casing; then weld on underground marker with coordinates: 36° 42' 46" N / 108° 0' 28" W. RD and MOL.
NMOCD requested the p&a marker be surveyed again: 2000' FNL & 550' FEL, Section 20

Monica Kuehling, NMOCD representative, was on location.

DISTRICT I1825 N. French Dr., Hobbs, N.M. 88240
Phone: (505) 333-6161 Fax: (505) 333-0720**DISTRICT II**811 S. First St., Artesia, N.M. 88210
Phone: (505) 748-1223 Fax: (505) 748-9720**DISTRICT III**1000 Elmo Bravos Rd., Artesia, N.M. 87410
Phone: (505) 334-6176 Fax: (505) 334-6170**DISTRICT IV**1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3480 Fax: (505) 476-3482State of New Mexico
Energy, Minerals & Natural Resources DepartmentForm C-102
Revised August 1, 2011Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-08043		*Pool Code	*Pool Name
*Property Code	*Property Name DUGGAN		*Well Number 6B
*OGRD No.	*Operator Name		*Elevation 5486.0'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	WEST/West line	County
H	20	29N	11W		2000'	NORTH	550'	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	WEST/West line	County

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

18

		17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <i>William Clark</i> Date: 3-4-15 Printed Name: William Clark E-mail Address: billc@pluswell.com
18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey: FEBRUARY 17, 2015 Signature and Seal of Professional Surveyor: HENRY P. BROADHURST, JR. Certificate Number: 11393		