Received by OCD: 6/17/2022 1:10:00 PM

| | | | | 1 480 1 0. |
|---|--|--|--|--|
| Do not use | | INTERIOR NAGEMENT PORTS ON WELLS to drill or to re-enter an | O Exp 5. Lease Serial No. NMSF 077972A 6. If Indian, Allottee of | |
| abandoned | well. Use Form 3160-3 (/ | APD) for such proposals | | ment, Name and/or No. |
| | MIT IN TRIPLICATE - Other ins | tructions on page 2 | _ | ment, Ivanie and/or Ivo. |
| 1. Type of Well | Gas Well Other | | NMNM73533 8. Well Name and No. Richardson 1E | |
| 2. Name of Operator | | | 9. API Well No. | |
| LOGOS Operating, LLC | | | 30-045-24909 | |
| 3a. Address 2010 Afton Place Farmington NM 87401 | | 3b. Phone No. <i>(include area code 505-278-8720)</i> | e) 10. Field and Pool or F Basin Dakota | exploratory Area |
| | Sec., T.,R.,M., or Survey Descriptio c 02 T27N R13W | n) | 11. Country or Parish, San Juan Count | |
| | 2. CHECK THE APPROPRIATE | BOX(ES) TO INDICATE NATURE | E OF NOTICE, REPORT OR OTH | ER DATA |
| TYPE OF SUBMISSIO | N | TY | PE OF ACTION | |
| Notice of Intent | Acidize | Deepen Hydraulic Fracturing | Production (Start/Resume) Reclamation | Water Shut-Off Well Integrity |
| X Subsequent Report | Casing Repair Change Plans | New Construction | Recomplete | Other |
| Final Abandonment Not | tice Convert to Injection | on Plug Back | Water Disposal | |
| the proposal is to deepen d the Bond under which the | irectionally or recomplete horizont work will be perfonned or provide | ally, give subsurface locations and n the Bond No. on file with BLM/BIA | neasured and true vertical depths of Required subsequent reports must | rk and approximate duration thereof. If f all pertinent markers and zones. Attach st be filed within 30 days following 60-4 must be filed once testing has been |

completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

The subject well has been plugged and abandoned on 4/22/2022. See attached report and wellbore schematic.

| 14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) | | |
|---|----------------------|--|
| Etta Trujillo | Title Regulatory Spe | cialist |
| Signature <i>Eta Trujillo</i> 1 | Date 05/17/2022 |) |
| | 00/11/2022 | |
| THE SPACE FOR FEDE | RAL OR STATE O | FICE USE |
| Approved by | | |
| | Title | Date |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant of certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | | |
| Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any any false, fictitious or fraudulent statements or representations as to any matter within | | llfully to make to any department or agency of the United States |

(Instructions on page 2)

Released to Imaging: 6/17/2022 1:33:44 PM

| U.S. Department of the Interior BUREAU OF LAND MANAGEMENT | | Sundry Print Repo |
|--|--|---|
| Well Name: RICHARDSON | Well Location: T27N / R13W / SEC 2 / SWSE / 36.599228 / -108.184738 | County or Parish/State: SAN JUAN / NM |
| Well Number: 1E | Type of Well: CONVENTIONAL GAS WELL | Allottee or Tribe Name: |
| Lease Number: NMSF077972A | Unit or CA Name: | Unit or CA Number: NMNM73533 |
| US Well Number: 300452490900S1 | Well Status: Abandoned | Operator: LOGOS OPERATING LLC |

Subsequent Report

Sundry ID: 2672100

Type of Submission: Subsequent Report Date Sundry Submitted: 05/17/2022 Date Operation Actually Began: 04/08/2022 Type of Action: Plug and Abandonment Time Sundry Submitted: 09:18 6

Actual Procedure: The subject well has been plugged and abandoned on 4/22/2022. See attached report and wellbore schematic.

SR Attachments

Actual Procedure

3160_5_Richardson_1E_Subsequent_Report_Plugged_and_Abandoned__20220422_20220517091825.pdf

| Received by OCD: 6/17/2022 1:10:00 PM Well Name: RICHARDSON | Well Location: T27N / R13W / SEC 2 / SWSE / 36.599228 / -108.184738 | County or Parish/State: SAN |
|--|--|---|
| Well Number: 1E | Type of Well: CONVENTIONAL GAS WELL | Allottee or Tribe Name: |
| Lease Number: NMSF077972A | Unit or CA Name: | Unit or CA Number: NMNM73533 |
| US Well Number: 300452490900S1 | Well Status: Abandoned | Operator: LOGOS OPERATING LLC |

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: ETTA TRUJILLO

Name: LOGOS OPERATING LLC

Title: Regulatory Specialist

Street Address: 2010 AFTON PLACE

City: Farmington

State: NM

Phone: (505) 324-4154

Email address: ETRUJILLO@LOGOSRESOURCESLLC.COM

Field

Representative Name: Street Address: City: State: Phone: Email address:

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK BLM POC Phone: 5055647742 Disposition: Accepted Signature: Kenneth Rennick BLM POC Title: Petroleum Engineer

Zip:

Signed on: MAY 17, 2022 09:18 AM

BLM POC Email Address: krennick@blm.gov

Disposition Date: 05/23/2022

Well Name: Richardson 1E API: 30-045-24909

4/8/2022 - MIRU. ND WH, NU & Function test BOP. Attempt to release pkr. 2-3/8" tbg parted. TIH w/3-3/4" overshot w/2-3/8". PU tbg to 2700'. SIW. SDFWE.

4/11 - 14/2022 – continue to fish for parted 2-3/8" tbg. TOF @ 3639'. TOOH. TIH w/3-3/4" overshot w/2-3/8" grapple, engage fish @ 3640'. RU WL and perforate tbg @ 3634'. RD WL. SIW. SDFN.

4/15/2022 – RU to swab. TOOH. Lay down overshot. RU slip grip elevators, retrieved total fish (148jts 2-3/8"tbg). Laydown wash pipe & drill collars. SIW. SDFWE.

4/18/2022 - Round trip string mill. TIH w/CICR set @ 5924'. PT tbg to 500psi. Good test. Sting out of retainer, pump 95bbls of KCL. TOOH. RU WL. **Run CBL f/5924' t/surface. Received verbal approval from NMOCD and BLM**. TIH open ended to top of CICR @ 5924'. **Plug #1 (Dakota)** Mix & pumped 12sx (2.5bbls, 15.8#, 1.15 yield) Class G cement f/5817' – t/5924'. Circ. SIW. WOC. (BLM witness on location - Darrell Priddy)

4/19/2022 – TIH tagged TOC @ 5817'. **Plug #2 (Gallup)** Mix & pumped 12sx (2.5bbls, 15.8#, 1.15 yield) Class G cement f/5190' – t/5330'. Displaced w/ 20bbls of FW. Circ. TOOH. WOC. TIH tag cmt @ 5190'. **Plug #3 (Mancos)** Mix & pump 16sx (3.3bbls, 15.8#, 1.15 yield) Class G cement f/4033' – t/4217'. Displaced w/15.5bbls of FW. Circ. TOOH. WOC. TIH, tag cmt @ 4033'. **Received verbal approval from NMOCD & BLM for inside plug. Plug #4 (Cliff House/Point Lookout)** Mix & pumped 20sx (4.1bbls, 15.8#, 1.15 yield) Class G cement f/2716'- t/2948'. Displaced w/10.5bbls of FW. Circ. TOOH. WOC. SDFN. (BLM witness on location – Darrell Priddy)

4/20/2022 – TIH, tag TOC @ 2716'. PT csg to 600psi, lost 150psi in 5mins. PU to 2322'. **Plug #5 (Chacra)** Mix & pumped 16sx (3.3bbls, 15.8#, 1.15 yield) Class G cement f/2120' – t/2322'. Displaced w/8.2bbls of FW. Circ. TOOH. WOC. TIH, tagged TOC @ 2120'. **Plug #6 (Fruitland/Pictured Cliffs)** Mix & pumped 47sx (9.7bbls, 15.8#, 1.15yield) Class G cement f/845' – t/1450'. Displaced w/3.3bbls of FW. Circ. TOOH. WOC. PT casing to 600psi, lost psi 150psi in 5mins. TIH, tag TOC @ 845'. TOOH. RU WL. **Run RCBL f/816' – to surface. Received verbal approval from NMOCD & BLM.** SIW. SDFN. (BLM witness on location – Darrell Priddy)

4/21/2022 – **Shut in 2hrs to monitor BH, per Monica Kuehling (NMOCD).** Pressure built to 5psi. **Received verbal approval from BLM & NMOCD. Plug #7 (Ojo Alamo/Kirtland)** inside plug. Mixed & pumped 33sx (6.8bbls, 15.8#, 1.15yield) Class G cement f/277' – 700'. Displaced w/1.1bbls of FW. Circ. TOOH. **Plug #8 (surface)** inside/outside plug. RU WL. Perf'd sqz holes @ 275'. Established injection rate @ 700psi. no returns. TIH & set CICR @ 230'. Mixed & pumped 40sx (8.2bbls, 15.8#, 1.15yield) Class G cement. Sting out of retainer w/500psi. Circ. TOOH. RU WL. TIH & perforate @ 150'. Establish injection rate @ 600psi. No returns. TIH, mix & pumped 20sx (4.1bbls, 15.8#, 1.15yield) Class G cement. Cement circulated to surface. TOOH. ND BOP. NU WH. Mix 20sx (4.1bbls, 15.8#, 1.15yield) Class G cement, sqz'd 1bbl @ 1500psi. SIW. WOC.

4/22/2022 – Cut off WH. Mixed & pumped 12sx (2.5bbls, 15.8#, 1.15yield) Class G cement. Top off 4-1/2" & 8-5/8" csg. Received verbal approval from NMOCD & BLM. Install WH marker. RD.

Well plugged & abandoned.

Received by OCD: 6/17/2022 1:10:00 PM



Wellbore Schematic

| Well Name: | Richa | ardson 1E | | | Date Prepared: | 2/18/2019 H | Hespe |
|-------------------------|----------------|--------------------------------------|---------------------------|----------------------|--|--------------------|---------------|
| Location: | Sec 2 | 2, T27N, R13W 840' FSL & 1 | 720' FEL | | Last Updated: | 4/28/2022 N | Moss |
| County: | | Juan, NM | | | Spud Date: | 4/29/1981 | |
| API #: | 30-04 | 15-24909 | | | Completion Date: | 8/15/1981 | |
| Co-ordinates: | Lat 3 | 6.5993156 Long -108.854172 | | | Last Workover Date: | 4/22/2022 | |
| Elevations: | GROUND: | 5881' | | | | | |
| | KB: | 5894.5' | | | | | |
| Depths (KB): | PBTD: | 6149' | | | | | |
| | TD: | 6200' | | | | | |
| | | | | - | | | |
| | All Depths | | | Surface Casing: (4 | · · · · · · · · · · · · · · · · · · · | | |
| Surface Casing | | 12-1/4" | Plug 8 (inside/outside) | | Irface hole to 287'. Set 6 jts 8-5/8", 24#, | · · · | i 1'. |
| 8-5/8", 24#, H-40 | | 0-287' | Squeeze hole at 275' & 15 | 0 Cmt'd w/ 200 sx | s Class 'B' cmt. Circulated 5 bbl to surfa | ce. | |
| , | 281' | TOC at surface (circ) | 92 sx Class G cmt | | | | |
| 200 sxs | | Plug 8: Surface - 275' | | Production Casin | | | |
| Circ to surface | | Set CR at 230' | Plug 7 (inside) | | duction hole to 6200'. Set 151 jts 4-1/2", | | ıg at 6193'. |
| | | Plug 7: 277'-700' | Kirtland/Ojo combined | | 6145'. Stage Collars set at 4178' & 1476' | | |
| | | | 33 sx Class G cmt | | /50 POZ. TOC at 4578' per CBL ran 4/20 | | |
| | | Plug 6: 845'-1450' | TOC at 284' (CBL) | v | 00 sx 50/50 POZ. Tailed w/ 50 sxs Class | | w/ |
| | | | w/ intermittent bond | | at 1710'-1810' & 1940'-2290' per CBL ra | | |
| TOO -+ 4 4701 /0 | | | 280' to surface | Stage 3: Lead w/ 2 | 00 sxs 65/35 POZ. Tailed w/ 50 sxs Clas | s B cmt. Circ cmt | to surface. |
| TOC at 1476' (C | | D) (T = -1 = + 4 4 70) | Plug 6 (inside) | Table of | | 1 | |
| CBL ran 4/2 | 2022 | DV Tool at 1476' | FC/PC combined | Tubing: | | Length (ft) | |
| | 0 | S 2002: Sqz'd 125sx S 1483'-1670' | 47 sx Class G cmt | Removed 4/2022 | | | |
| *Intermittent bond | d at | 3 1483-1670 | Tagged TOC at 845' | Artificial Lift Type | | | |
| | | | Tagged TOC at 645 | | : | | |
| 1710'-18 & 1940'-22 | | | | NA | | | |
| & 19 4 0-22 | 290 | | Plug 5 (inside) | Perforations: | | | |
| | | Plug 5: 2120'-2322' | 16 sx Class G cmt | | 0.42", 26 holes, 5951, 52, 53, 6003, 04, 0 | 5 26 28 30 32 | 34 36 39 |
| | | Flug 5. 2120 -2322 | Tagged TOC at 2120' | | 48, 66, 68, 70, 72, 74, 76, 78, 80'. | 5, 20, 20, 30, 32, | , 54, 50, 50, |
| | | 7-7/8" | | Acidized w/ 150 | | | |
| Production Casing | | 287'-6200' | | | # 20/40, 96000gal 30# x-linked gel. | | |
| 4-1/2", 10.5#, K-55 | | 201-0200 | | 1100 W/ 100000 | # 20/40, 00000gai 00# X-iii iiked gei. | | |
| 151 jts, Set at 6193' | | | | Formations: | | | |
| DV Tool at 4178' & 1470 | 6' | Plug 4: 2716'-2948' | Plug 4 (inside) | Ojo Alamo- | 490' | Cliff House- | 2945' |
| Stage 1: 350 sx | | | 20 sx Class G cmt | Kirtland- | 520' | Point Lookout- | 3890' |
| TOC at 4578' (CBL) | | | Tagged TOC at 2716' | Fruitland- | 1300' | Mancos- | 4150' |
| Stage 2: 350 sx | S | S 2005-Sqz'd 3569'-3910' | | Pictured Cliffs- | 1379' | Gallup- | 5280' |
| TOC at 1476' (calc) | S | S 8 sx into leak | | Chacra- | 2255' | Dakota- | 5946' |
| Stage 3: 250 sx | S | S 2007-Sqz'd 3890' | | | | | |
| TOC at surface (circ | ;) | 3 sx into leak | | Additional Notes: | | | |
| | | | | 11/25/2002- Casing | g repair. Isolated csg leak at 1483'-1670' | , sqz'd csg leak w | // 125 sx |
| | | DV Tool at 4178' | | Class B w/ 2%K | Cl & 2%Halad-9. (15.8 lb/gal, 1.18 yld, 5 | .2 gal/sk) | |
| | | Plug 3: 4033'-4217' | Plug 3 (inside) | 10/19/2004- Casing | g hole identification. Identified csg leak b | etween 3927'-394 | 12'. Land tbg |
| | | | 16 sx Class G cmt | with a pkr at 60 | 14'. While identifying hole 4-1/2: fullbore | packer kept sticki | ing near the |
| | | | Tagged TOC at 4033' | DV tool at 4629 | | | |
| TOC at 4578' (C | <i>,</i> | | | | repair. Isolated casing leak from 3569'-3 | | sx cmt from |
| CBL ran 4/2 | 2022 | | | 3400'-3910' and | hesitate squeezed 8 sx into casing leak | | |
| | | | | | repair. Isolated casing leak at 3892'. Co | | |
| | | | Plug 2 (inside) | | ug to seal off leak. Pumped 25 sx 50-50 | | |
| | | Plug 2: 5190'-5330' | 12 sx Class G cmt | | displace cmt into casing. Tubing got stu | | |
| | | | Tagged TOC at 5190' | | ing to retrieve. Drilled out cmt and c/o to | PBTD. Landed th | og at 6048.5' |
| | | | | | a model R packer at 4630' | | |
| | | | D | 4/22/2022 - P&A'd | well. | | |
| | | Plug 1: 5817'-5924' | Plug 1 (inside) | | | | |
| | | Set CR at 5924' | 12 sx Class G cmt | | | | |
| | 0 | o DK: 5951'-5953' | Tagged TOC at 5817' | | | | |
| | | | | | | | |
| | 0 | o DK: 6003'-6080' | | | h fan addition - Linforma (1 | | |
| | 0 | 0 | | | b for additional information. | | |
| _ | | | | *Max deviation 1 d | egree. | | |
| 6 | 5193' – | 40' | | | | | |
| | PBTD - 61 | | | | | | |
| | TD - 620 | U | | | | | |

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

| Operator: | OGRID: |
|----------------------|--------------------------------|
| LOGOS OPERATING, LLC | 289408 |
| 2010 Afton Place | Action Number: |
| Farmington, NM 87401 | 118418 |
| | Action Type: |
| | [C-103] Sub. Plugging (C-103P) |
| | |

CONDITIONS

| Created By | Condition | Condition |
|------------|-----------|-----------|
| | | Date |
| mkuehling | None | 6/17/2022 |

Page 6 of 6

Action 118418