

Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised July 18, 2013

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

WELL API NO. 30-039-31384
5. Indicate Type of Lease STATE [ ] FEE [ ]
6. State Oil & Gas Lease No. NMSF078769
7. Lease Name or Unit Agreement Name ROSA UNIT
8. Well Number 654H
9. OGRID Number 289408
10. Pool name or Wildcat BASIN MANCOS
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6372'

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.)
1. Type of Well: Oil Well [ ] Gas Well [x] Other
2. Name of Operator LOGOS OPERATING, LLC
3. Address of Operator 2010 AFTON PLACE FARMINGTON, NM 87401
4. Well Location Unit Letter A : 1053 feet from the NORTH line and 298 feet from the EAST line
Section 25 Township 31N Range 06W NMPM County RIO ARRIBA

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

NOTICE OF INTENTION TO:
PERFORM REMEDIAL WORK [ ] PLUG AND ABANDON [ ]
TEMPORARILY ABANDON [ ] CHANGE PLANS [ ]
PULL OR ALTER CASING [ ] MULTIPLE COMPL [ ]
DOWNHOLE COMMINGLE [ ]
CLOSED-LOOP SYSTEM [ ]
OTHER: [ ]
SUBSEQUENT REPORT OF:
REMEDIAL WORK [ ] ALTERING CASING [ ]
COMMENCE DRILLING OPNS. [ ] P AND A [ ]
CASING/CEMENT JOB [x] INTERMEDIATE CASING
OTHER: [ ]

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.
5/19/21 MIRU AD1000.
5/20/21 RU gas buster.
5/21/21 PT BOP low 250psi/10mins, high 5000psi/30min, both good tests.
5/22/21 PT 13-3/8" surface casing to 600psi/30mins. Good test.
5/23/21 PU drill pipe & BHA. DO shoe track.
5/24/21 - 5/27/21 RIH w/12-1/4" bit, drill intermediate f/330' - 6063'. Having losses, add LCM. BHA stuck, RU WL & free point & back off string @ 5746'. Circ out LCM. RD WL. PU fishing assembly. TIH broke circ @ 2376' - 3953'.
5/28/21 - 5/30/21 Jar on fish. Latch on fish @ 5746'. RU WL. Back off fish @ 5904'. Circ LD fishing tools & 162' of fish. TIH w/fishing tool, wash down to 5900'. Latch onto fish. RU WL. RIH w/cutters, back off fish three runs. RD cutters. TOOHL, leaving 122' fish in hole, top of fish @ 5911' & bit at 6033'. Notified BLM (Virgil Lucero) and OCD (Kate Pickford) (see attached email) to leave fish in hole, plug back f/5911' to 5052', KO cmt plug @ 5300' and drill along original well bore path, very close to original design.
5/31/21 TIH w/12-1/4" bit to 5885', circ condition mud. WOC.

Cont. on page 2

Spud Date: [ ]

Rig Release Date: [ ]

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

SIGNATURE [Etta Trujillo] TITLE REGULATORY SPECIALIST DATE 8/20/2021

Type or print name ETTA TRUJILLO E-mail address: etrujillo@logosresourcesllc.com PHONE: (505) 324-4154

For State Use Only

APPROVED BY: [ ] TITLE [ ] DATE [ ]

Conditions of Approval (if any):

ROSA UNIT 654H, API 30-039-31384, INTERMEDIATE CASING REPORT

6/1/21 RU cmt crew, drop wiper ball, pump 27bbl spacer, 249 sx (51bbls, 286cf) Premium cmt @ 15.8ppg, 1.15yld, displace w/69bbls mud/water. Circ @5525', 26bbls spacer to surface. Calculated TOC @ 5561'. Drop wiper ball, pump 27bbl spacer, 392sxs (69bbls, 387cf) Premium cmt @ 17.0ppg, 0.99yld, displace w/62bbls mud/water @ 23:30hr. RD cmt crew.

6/02/21 Circ bottoms up. POOH, RIH w/directional tools, tag TOC @ 5051'. Trough to 5094'. Kick off cmt plug @ 5094' to 5320'.

6/03/21 Drill 12-1/4" hole f/5320' t/5870'. Spot heavy LCM on BTM. Circ @ 5606'. No loss's.

6/04/21 Cont to drill f/5870' t/6489' intermediate TD. Circ @ 5606', ream tight spot, spot LCM, circ.

6/05/21 TOOH. RU csg crew. TIH w/9-5/8" 43.5#, N80 BTC csg set @ 6479' w/FC @ 6437', DV tools @ 4759' & 3191'. RD csg crew. RU cementers. Pump 1st stage 40bbl spacer, lead w/305sx (125bbls, 702cf) ASTM Type III cmt @ 12.3ppg, 2.30yld. Pump tail w/212sxs (43bbls, 244cf) Class G cmt @ 15.8ppg, 1.15yld. Displace w/482bbls wtr/mud. Land plug @ 21:24hr on 6/5/21. Open DV tool @ 4759'. Circ 69bbls cmt to surface.

6/06/21 Circ hole clean. Release rig @ 02:00hr, skid to 656H. Pump 2nd stage 40bbl spacer, lead w/189sx (77bbls, 435cf) ASTM Type III cmt @ 12.3ppg, 2.30yld. Pump tail w/267sxs (71bbls, 401cf) Class G cmt @ 13.5ppg, 1.50yld. Displace w/356bbls wtr/mud. Land plug @ 21:50hr on 6/6/21. Open DV tool @ 3191'. Circ 48bbls cmt to surface.

6/07/21 Pump 3rd stage 40bbl spacer, lead w/497sx (224bbls,1257cf) ASTM Type III cmt @ 12.0ppg, 2.53yld. Pump tail w/201sxs (74bbls, 418cf) Class G cmt @ 12.8ppg, 2.08yld. Displace w/240bbls wtr/mud. Land plug @ 10:05hr on 6/7/21. Circ 112bbls cmt to surface. RD cementers.

Pressure test will be reported on next casing sundry.

## Tamra Sessions

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**From:** Marie Florez  
**Sent:** Monday, June 14, 2021 8:10 AM  
**To:** Tamra Sessions  
**Subject:** FW: Rosa 654H Sidetrack Notification

*Marie E. Florez*

[mflorez@logosresourcesllc.com](mailto:mflorez@logosresourcesllc.com)



**From:** Randy Edgeington <redgeington@logosresourcesllc.com>  
**Sent:** Sunday, May 30, 2021 8:11 PM  
**To:** vlucero@blm.gov; Pickford, Katherine, EMNRD <Katherine.Pickford@state.nm.us>  
**Cc:** Krista McWilliams <kmcwilliams@logosresourcesllc.com>; Marcia Brueggenjohann <mbrueggenjohann@logosresourcesllc.com>; Marie Florez <mflorez@logosresourcesllc.com>  
**Subject:** Rosa 654H Sidetrack Notification

Good Evening,

Logos Operating is giving notification that due to unforeseen hole problems on the Rosa Unit 654H (API #30-039-21284) we have left 121.59' of BHA in the hole. I spoke with Virgil Lucero Friday afternoon; he stated a simple email notification would be sufficient as long as the bottom hole entry point was not changing.

The top of the fish was left at 5,911', leaving the bit at 6,033'. We are planning to plug back from 5,911' to 5,052' with the approximate volumes listed below. We will then kick off the cement plug at 5,300' and drill along the original well bore to 7,200' very close to the original plan design. The max expected deviation from the approved well plan is ~16.41'. There are no radioactive materials left in the hole.

**Plug 1 – 350' (f/ 5,900' MD – 5,550' MD)**

- 27bbls Spacer
- **249 sx / 51 bbl** Premium Cement

**KOP Plug 2 – 473' (f/ 5,525' MD – 5,052' MD)**

- 27bbls Spacer
- **392 sx / 69 bbl** Premium Cement

**RANDY EDGEINGTON**

Drilling & Completions  
LOGOS Resources, LLC.  
Cell:307-840-1091  
[redgeington@logosresourcesllc.com](mailto:redgeington@logosresourcesllc.com)

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CASING/CEMENT JOB [x] PRODUCTION CASING
OTHER: [ ]

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

6/22/21 - MIRU. NU BOP. PT to 5000psi. Tally 4.5" drill pipe.
6/23/21 - TIH & DO DV tools @ 3191' & 4759'. PT 9-5/8" csg to 1550psi/30mins. Test good. TIH to 6420', DO 9-5/8" float & shoe track. TOOH.
6/24/21 - waiting on parts. Slip and cut drill line.
6/25/21 - TIH w/8.5" bit. DO f/6489' t/7173'. Circ, check psi loss
6/26/21 - TOOH due to psi loss, w/o fishing tool. TIH to 7100', washed down to TOF @ 7133'. Unable to get onto fish. hit bridges. work tight hole.
6/27/21 - TIH and cont to work fish.
6/28/21 - TOOH. Notified and received verbal approval from Dave M (BLM) and Monica K (NMOCD) to sidetrack. Cont drill f/6752' - t/7104'.
6/29-7/10/21 - Circ & CO & Cont drilling w/8.5" f/7104' - t/16744'.
7/11/21 - Cont to drill f/16744' t/18,430' (TD) reached @ 20:42.
7/12-13/21 - Circ sweep and pump slug. TOOH. LD bit. RU csg crew. TIH w/5.5" prod csg.
7/14/21 - Cont to TIH & set csg @ 18,406' w/317jts 5-1/2" csg P110, 20.0# BTC, FC @ 18324', Toe Sleeves @ 18,233' & 18,278'. RU cementers. Pre-flushed w/5bbls of FW, 60bbls spacer. Pumped 2180sx (607bbls, 3401cf) Class G cmt @ 13.3ppg, 1.56yield. Displaced w/367bbls KCL. Bumped plug @ 21:10hr. PT to 5036psi. Good test. Circ 65bbls cmt to surface.
7/15/21 - ND. Set csg slips. Walk rig to 656H.
PT will be reported on completion sundry.

Spud Date: [ ]

Rig Release Date: [ ]

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

SIGNATURE [Etta Trujillo] TITLE REGULATORY SPECIALIST DATE 8/20/2021

Type or print name ETTA TRUJILLO E-mail address: etrujillo@logosresourcesllc.com PHONE: (505) 324-4154

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Conditions of Approval (if any):

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 1625 N. French Dr., Hobbs, NM 88240  
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**District III**  
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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
 Action 43602

**CONDITIONS**

Operator: LOGOS OPERATING, LLC 2010 Afton Place Farmington, NM 87401	OGRID: 289408
	Action Number: 43602
	Action Type: [C-103] Sub. Drilling (C-103N)

**CONDITIONS**

Created By	Condition	Condition Date
plmartinez	File 3160-5 drilling sundries within 10 to NMOCD after BLM approval.	8/20/2021