

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., 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 & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator name and Address Mack Energy Coporation P.O. Box 960 Artesia, NM 88210		2 OGRID Number 013837	
4 API Number 30-005-64294		5 Pool Name Round Tank; San Andres	
7 Property Code 316527 321286		8 Property Name Ajax State Corn	
6 Pool Code 52770		9 Well Number 1H	

NM OIL CONSERVATION
ARTESIA DISTRICT

JAN 03 2019

RECEIVED

II. Surface Location

UL or lot no. A	Section 36	Township 15S	Range 28E	Lot Idn	Feet from the 736	North/South Line North	Feet from the 464	East/West line East	County Chaves, NM
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11. Bottom Hole Location

UL or lot no. H	Section 25	Township 15S	Range 28E	Lot Idn	Feet from the 2183	North/South line North	Feet from the 425	East/West line East	County Chaves, NM
12 Lse Code F	13 Producing Method Code P	14 Gas Connection Date 12/8/2018	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date				

III. Oil and Gas Transporters

18 Transporter OGRID	19 Transporter Name and Address	20 O/G/W
278421	Holly Marketing & Refining Co LLC P.O. Box 1600 Artesia, NM 88211-1600	O
036788	DCP Midstream 4001 Penbrook Odessa, TX 79762	G

IV. Well Completion Data

21 Spud Date 8/23/2018	22 Ready Date 11/17/2018	23 TD 6610' / 3068	24 PBTD 6528'	25 Perforations 3381-6530'	26 DHC, MC
27 Hole Size 17 1/2	28 Casing & Tubing Size 13 3/8"	29 Depth Set 222'	30 Sacks Cement 671sx 627 2x		
8 3/4"	5 1/2" & 7"	5 1/2" 17H 7" 26H 3130 - 6575 0 - 3130 6575'	1665sx - CBL-TOC @ 650'		
	3 1/2" & 2 7/8" J-55 (Tubing)	2328'			

V. Well Test Data

31 Date New Oil 12/2/2018	32 Gas Delivery Date 12/8/2018	33 Test Date 12/8/2018	34 Test Length 24 hours	35 Tbg. Pressure	36 Csg. Pressure
37 Choke Size 80	38 Oil	39 Water 1014	40 Gas 95		41 Test Method Pumping

42 I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: Deana weaver

Printed name:
Deana Weaver

Title:
Production Clerk

E-mail Address:
dweaver@mec.com

Date: 1.2.19
Phone: (575) 748-1288

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Rusty Klein
Business Ops Spec A
1-4-2019

Pending BLM approvals will subsequently be reviewed and scanned

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTNM OIL CONSERVATION
ARTESIA DISTRICT

WELL COMPLETION OR RE-COMPLETION REPORT AND LOG JAN 03 2019

Bold* fields are required.

Ajax State Com #167
30-005-64294 RECEIVED

Section 1 - Completed by Operator

1. BLM Office* Roswell, NM	2. Well Type* OIL
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3. Completion Type* New Well

Operating Company Information

4. Company Name* MACK ENERGY CORPORATION

5. Address* P.O. BOX 960

ARTESIA NM 88210

6. Phone Number* 575-748-1288

Administrative Contact Information

7. Contact Name* DEANA _ WEAVER

8. Title* PRODUCTION CLERK

9. Address* P.O. BOX 960

10. Phone Number* 575-748-1288

ARTESIA NM 88210

11. Mobile Number

12. E-mail* DWEAVER@MEC.COM

13. Fax Number

Technical Contact Information

☒ Check here if Technical Contact is the same as Administrative Contact.

14. Contact Name*

15. Title*

16. Address*

17. Phone Number*

18. Mobile Number

19. E-mail*

20. Fax Number

Pending BLM approvals will
subsequently be reviewed
and scanned
1-4-2019

Surface Location

21. Specify location using one of the following methods:

- a) State, County, Section, Township, Range, Meridian, N/S Footage, E/W Footage, with Qtr/Qtr, Lot, or Tract
b) State, County, Latitude, Longitude, Metes & Bounds description

State* NM	County or Parish* CHAVES			
Section 36	Township 15S	Range 28E	Meridian	
Qtr/Qtr NENE	Lot # —	Tract # —	N/S Footage 736 FNL	E/W Footage 464 FEL

Latitude _____	Longitude _____	Metes and Bounds _____
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Producing Interval Location

22. Specify location or

☐ Check here if the producing hole location is the same as the surface location.

State* NM	County or Parish* CHAVES			
Section 36	Township 15S	Range 28E	Meridian	
Qtr/Qtr NENE	Lot # _____	Tract # _____	N/S Footage 126 FNL	E/W Footage 449 FEL
Latitude _____	Longitude _____	Metes and Bounds _____		

Bottom Location

23. Specify location or

☐ Check here if the bottom hole location is the same as the surface location.

State* NM	County or Parish* CHAVES			
Section 25	Township 15S	Range 28E	Meridian	
Qtr/Qtr SENE	Lot # _____	Tract # _____	N/S Footage 2183 FNL	E/W Footage 425 FEL
Latitude _____	Longitude _____	Metes and Bounds _____		

Lease and Agreement

24. Lease Serial Number*

NMNM132673

26. If Unit or CA/Agreement, Name and/or Number

27. Field and Pool, or Exploratory Area*

ROUND TANK; SAN ANDRES

Well

28. Well Name* AJAX STATE COM		29. Well Number* 1H		30. API Number 30-005-64294	
31. Date Spudded 08/23/2018	32. Date T.D. Reached 09/01/2018		33. Date Completed 11/17/2018 <input type="checkbox"/> Dry & Abandoned <input checked="" type="checkbox"/> Ready to Produce		34. Elevations (DF, RKB, RT, GL) 3649 Ground Level
35. Total Depth: MD 6610 TVD <u>3068</u>		36. Plug Back Total Depth: MD 6528 TVD _____		37. Depth Bridge Plug Set: MD _____ TVD _____	
38. Type Electric & Other Mechanical Logs Run (Submit copy of each) NO LOGS - TOPS ARE ESTIMATES			39. Was Well Cored? <input checked="" type="radio"/> No <input type="radio"/> Yes (Submit Analysis) Was DST run? <input checked="" type="radio"/> No <input type="radio"/> Yes (Submit Report) Directional Survey? <input type="radio"/> No <input checked="" type="radio"/> Yes (Submit Copy)		

40. Casing and Liner Record (Report all strings set in well)

Hole Size	Casing Size	Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk.	Slurry Vol. (BBL)	Cement Top	Amount Pulled
17.5	13.375	J55	48	0	222	_____	C 627	_____	0	_____
8.75	7	P110	26	0	3130	_____	C 1665	_____	650	_____

8.75	5.5	P110	17	3130	6475 6575					

41. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)
3.5	2328	
2.875	2328	

42. Producing Intervals

Formation	Top (MD)	Bottom (MD)
A) ROUND TANK; SAN ANDRES	3381	6530
B) _____		
C) _____		
D) _____		

43. Perforation Record

Top	Bottom	Size	No. Holes	Perf. Status
3381	6530	0.41	312	OPEN

44. Acid, Fracture, Treatment, Cement Squeeze, etc.

Top	Bottom	Amount and Type of Material
3381	6530	768BBLS ACID 15%, 37,179BBLS SW, 23,611BBLS X-LINK, 255,041# 100 MESH, 439,372# WS 30/50,
		2,250,240# WS 20/40, 361,038# SLC

45. Production Method and Well Status for Production Intervals

Production Method	Well Status
Electric Pumping Unit	Producing Oil Well

46. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr. API	Gas Gravity
12/02/2018	12/08/2018	24	>>>>>	80	95	1014	35.2	0.6000
Choke Size	Tubing Pressure Flowing / Shut In	Casing Pressure	24 Hour Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas/Oil Ratio	
			>>>>>	80	95	1014	1187	

47. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr. API	Gas Gravity
			>>>>>					
Choke Size	Tubing Pressure Flowing / Shut In	Casing Pressure	24 Hour Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas/Oil Ratio	
			>>>>>					

48. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr. API	Gas Gravity
			>>>>>					
Choke Size	Tubing Pressure Flowing / Shut In	Casing Pressure	24 Hour Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas/Oil Ratio	
			>>>>>					

49. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil (BBL)	Gas (MCF)	Water (BBL)	Oil Gravity Corr. API	Gas Gravity
_____	_____	_____	>>>>>	_____	_____	_____	_____	_____
Choke Size	Tubing Pressure Flowing / Shut In	Casing Pressure	24 Hour Rate	Oil (BBL)	Gas (MCF)	Water (BBL)	Gas/Oil Ratio	
_____	_____	_____	>>>>>	_____	_____	_____	_____	_____

50. Disposition of Gas (*Sold, used for fuel, vented, etc.*)

Sold

51. Summary of Porous Zones (*Include Aquifers*):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

52. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top (MD)
QUEEN	1435	1453	SAND, OIL/GAS/WATER	QUEEN - EST	1413
SAN ANDRES	3381	6514	DOLOMITE, OIL/GAS/WATER	GRAYBURG-EST	1830
_____	_____	_____	_____	SAN ANDRES-EST	2145
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

53. Additional remarks (include plugging procedure):

10/15-11/17/2019 Perforated 3381-6530' w/312 holes. Frac w/ 768 bbls Acid 15%, 37,179 bbls SW, 23,611 bbls X-Link, 255,041# 100 Mesh, 439,372# WS 30/50, 2,250,240# 20/40 WS, 361,038# SLC. RIH w/ 71jts 3 1/2 J55 and 1jt 2 7/8 J55, MA @ 2419', Cam Lock @ 2363', Pump @ 2328'.

54. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd.) ☐ Geologic Report ☐ DST Report ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☐ Other:

I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

55. Name

DEANA _ WEAVER

56. Title

PRODUCTION CLERK

57. Date* (MM/DD/YYYY)

01/02/2019

58. Signature*

You have the ability to sign this form only if a SmartCard or digital certificate has been issued to you.

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.

Section 2 - System Receipt Confirmation

59. Transaction

60. Date Sent

61. Processing Office

Section 3 - Internal Review #1 Status

62. Review Category

63. Date Completed

64. Reviewer Name

65. Comments

Section 4 - Internal Review #2 Status

66. Review Category

67. Date Completed

68. Reviewer Name

69. Comments

Section 5 - Internal Review #3 Status

70. Review Category

71. Date Completed

72. Reviewer Name

73. Comments

Section 6 - Internal Review #4 Status

74. Review Category

75. Date Completed

76. Reviewer Name

77. Comments

Section 7 - Final Approval Status

78. Disposition

79. Date Completed

80. Reviewer Name

81. Reviewer Title

82. Comments				
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INSTRUCTIONS

GENERAL: This form is designed for submitting a complete and correct well completion/recompletion report and log on all types of wellson Federal and Indian leases to a Federal agency, pursuant to applicable Federal laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal office.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, and all types electric), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal laws and regulations. All attachments should be listed on this form, see item 33.

ITEMS 24, 22, and 23: Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local Federal office for specific instructions.

ITEM 34: Indicate which reported elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

ITEM 40: Show how reported top(s) of cement were determined, i.e. circulated (CIR), or calculated (CAL), or cement bond log (CBL), or temperature survey (TS).

PRIVACY ACT

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is to be used to evaluate the actual operations performed in the drilling, completing and testing of a well on a Federal or Indian lease.

ROUTINE USES: (1) Evaluate the equipment and procedures used during the drilling and completing/recompleting of a well. (2) The review of geologic zones and formation encountered during drilling. (3) Analyze future applications to drill in light of data obtained and methods used. (4)(5) Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this report and disclosure of the information is mandatory once a well drilled on a Federal or Indian lease is completed/recompleted.

The Paperwork Reduction Act of 1995 requires us to inform you that:

This information is being collected to allow evaluation of the technical, safety, and environmental factors involved with drilling and completing/recompleting wells on Federal and Indian oil and gas leases.

This information will be used to analyze operations and to compare equipment and procedures actually used with those proposed and approved.

Response to this request is mandatory only if the operator elects to initiate drilling completing/recompleting and operations on an oil and gas lease.

BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 60 minutes per response, including the time for reviewing

instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer, (WO-630), MS 401 LS, 1849 C Street, N.W., Washington, D.C. 20240.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTNM OIL CONSERVATION
ARTESIA DISTRICT

JAN 03 2019

SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED

Do not use this form for proposals to drill or to re-enter an abandoned well.
Use Form 3160-3 (APD) for such proposals.

Bold* fields are required.

Agap State Com #114
30-005-64294

Section 1 - Completed by Operator	
1. BLM Office* Roswell, NM	2. Well Type* OIL
3. Submission Type* <input type="radio"/> Notice of Intent <input checked="" type="radio"/> Subsequent Report	4. Action* Production Start-up
Operating Company Information	
5. Company Name* MACK ENERGY CORPORATION	
6. Address* P.O. BOX 960 ARTESIA NM 88210	7. Phone Number* 575-748-1288
Administrative Contact Information	
8. Contact Name* DEANA _ WEAVER	9. Title* PRODUCTION CLERK
10. Address* P.O. BOX 960 ARTESIA NM 88210	11. Phone Number* 575-748-1288 12. Mobile Number _____
13. E-mail* dweaver@mec.com	14. Fax Number _____
Technical Contact Information	
<input checked="" type="checkbox"/> Check here if Technical Contact is the same as Administrative Contact.	
15. Contact Name* _____	16. Title* _____
17. Address* _____ _____ _____	18. Phone Number* _____ 19. Mobile Number _____
20. E-mail* _____	21. Fax Number _____
Lease and Agreement	
22. Lease Serial Number* NMNM132673	25. Field and Pool, or Exploratory Area* ROUND TANK; SAN ANDRES
24. If Unit or CA/Agreement, Name and/or Number _____	
County and State for Well	

Pending BLM approvals will
subsequently be reviewed
and scanned

1-4-2019

26. County or Parish, State*

CHAVES NM

Associated Well Information**27. Specify well using one of the following methods:**

- a) Well Name, Well Number, API Number, Section, Township, Range, Qtr/Qtr, N/S Footage, E/W Footage
b) Well Name, Well Number, API Number, Latitude, Longitude, Metes & Bounds description

Well Name* AJAX STATE COM		Well Number* 1H	API Number 30-005-64294
Section 36	Township 15S	Range 28E	Meridian
Qtr/Qtr NENE	N/S Footage 736 FNL		E/W Footage 464 FEL
Latitude _____	Longitude _____	Metes and Bounds	

28. Describe Proposed or Completed Operation

Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all markers and zones. Attach the Bond under which the work will be performed or provide the Bond Number on file pertinent with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

10/15-11/17/2019 Perforated 3381-6530' w/ 312 holes. Frac w/ 768bbbls Acid 15%, 37,179bbbls SW, 23,611bbbls X-Link, 255,041# 100 Mesh, 439,372# WS 30/50, 2,250,240# 20/40 WS, 361,038# SLC. RIH w/ 71 jts 3 1/2 J-55 and 1jt 2 7/8 J-55, MA @ 2419', Cam Lock @ 2363', Pump @ 2328'.

I hereby certify that the foregoing is true and correct.

29. Name* DEANA _ WEAVER	30. Title PRODUCTION CLERK
31. Date* (MM/DD/YYYY)	32. Signature* <i>You have the ability to sign this form only if a SmartCard or digital</i>

01/02/2019 Today

certificate has been issued to you.

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.

Section 2 - System Receipt Confirmation

33. Transaction

34. Date Sent

35. Processing Office

Section 3 - Internal Review #1 Status

36. Review Category

37. Date Completed

38. Reviewer Name

39. Comments

Section 4 - Internal Review #2 Status

40. Review Category

41. Date Completed

42. Reviewer Name

43. Comments

Section 5 - Internal Review #3 Status

44. Review Category

45. Date Completed

46. Reviewer Name

47. Comments

Section 6 - Internal Review #4 Status

48. Review Category

49. Date Completed

50. Reviewer Name

51. Comments

Section 7 - Final Approval Status

52. Disposition

53. Date Completed

54. Reviewer Name

55. Reviewer Title

56. Comments

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special

instructions concerning the use of this form and the number of copies to be submitted, particularly with regard local area, or regional procedures and practices, either are shown below will be issued by, or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 27 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 28 - Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well and date well site conditioned for final inspection looking to approval of the abandonment.

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

This information is being collected to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 25 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0135), Bureau Information Collection Clearance Officer, (WO-630), Mail Stop 401 LS, 1849 C St., N.W., LS, Washington D.C. 20240