

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.
NMNM03358

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 27. If Unit or CA/Agreement, Name and/or No.
NMNM1369398. Well Name and No.
NEBU 604 COM 1H9. API Well No.
30-045-35793-00-X110. Field and Pool or Exploratory Area
BASIN MANCOS11. County or Parish, State
SAN JUAN COUNTY, NM**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. 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 recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following 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 determined that the site is ready for final inspection.

3/28/2018 - 5/9/2018: 48 stages perforated and fracture stimulated - see detailed report attached.

Tubing has not been run in the well. A request to delay tubing installation will be provided separately.

Please note the As Drilled surface location for the subject well is: Sec 13 T31N R07W SWNW 1871 FNL & 601 FWL

As Built C-102 attached.

5/9/2018 ? Well shut in after last frac stage.
5/12/2018-5/13/2018 ? MIRU CTU.

NMOC

05 2018

DISTRICT III

14. I hereby certify that the foregoing is true and correct. Electronic Submission #433811 verified by the BLM Well Information System For BP AMERICA PRODUCTION CO, sent to the Farmington Committed to AFMSS for processing by WILLIAM TAMBEKOU on 09/05/2018 (18WMT1155SE)	
Name (Printed/Typed) NAOMI AZULAI	Title WELL PERMITTING ANALYST
Signature (Electronic Submission)	Date 09/04/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	WILLIAM TAMBEKOU Title PETROLEUM ENGINEER	Date 09/05/2018
Conditions of approval, if any, are attached. Approval of this notice does not warrant or 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.		Office Farmington

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.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

NMOC

13

Additional data for EC transaction #433811 that would not fit on the form

32. Additional remarks, continued

5/16/2018 ? RIH, CIR, CO and DO frac plugs.

5/17/2018-5/21/2018 - Continue CIR, CO and DO frac plugs. CO to 17,125?.

6/1/2018 - Gas delivery.

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

District II
811 S. First St., Artesa, NM 88210
Phone (575) 748-1283 Fax (575) 748-9920

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone (505) 334-6178 Fax (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3460 Fax (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505
AS-DRILLED PLAT

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35793		² Pool Code 97232	³ Pool Name Mancos Gas
⁴ Property Code 317305	⁵ Property Name Northeast Blanco Unit 604 Com		⁶ Well Number 1H
⁷ OGRID No. 000778	⁸ Operator Name BP America Production Company		⁹ Elevation 6501

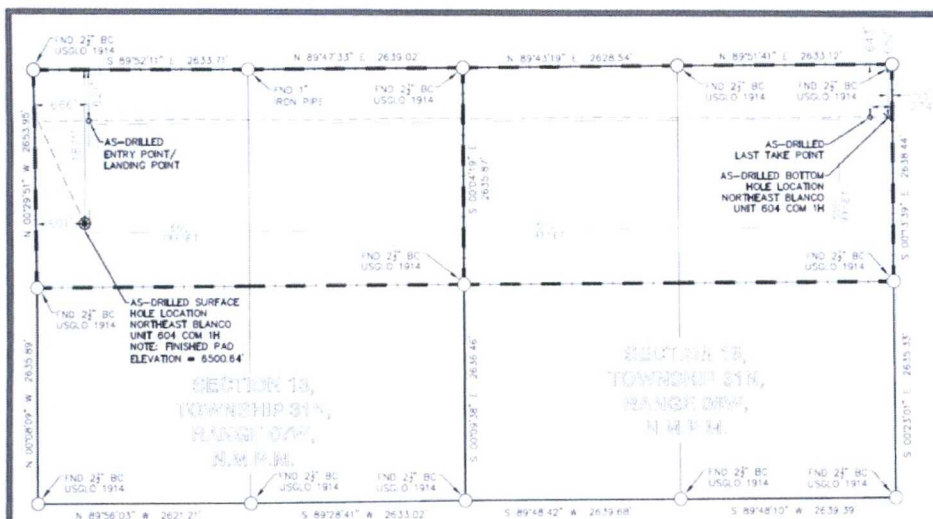
10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	13	31N	07W		1871	North	601	West	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	East/West line	County
A	18	31N	06W		652	North	53	East	San Juan

¹² Dedicated Acres 640.00 - N/2 - SEC. 13 N/2 - SEC. 18				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.						



LEGEND

FOUND MONUMENT ○
AS-DRILLED SURFACE HOLE LOCATION *
AS-DRILLED BOTTOM HOLE LOCATION x

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 released mineral interest in the land including the proposed bottom hole location or has a right to drill the 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.

R Marshall 05/10/2018
Signature Date

Randall Marshall

Printed Name

randall.marshall@bp.com

E-mail Address

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual survey made by me or under my supervision, and that the same is true and correct to the best of my belief.

7-22-16

Date of Survey

Signature and Seal of Professional Surveyor:

Marshall W. Lindeen
17078
Certificate Number
5-10-08
PROFESSIONAL SURVEYOR

NEBU 604 COM 1H	NMWS NAD'83	NAD'83	TIES
AS-DRILLED SURFACE HOLE LOCATION (SHL)	N (Y) = 2,147,663.81' E (X) = 2,812,008.39'	LAT. = 36.90163660°N LON. = 107.52922417°W	FNL = 1871' FWL = 601'
AS-DRILLED ENTRY POINT (EP)/ LANDING POINT (LP)	N (Y) = 2,148,914.49' E (X) = 2,812,063.06'	LAT. = 36.90507141°N LON. = 107.52902355°W	FNL = 621' FWL = 666'
AS-DRILLED LAST TAKE POINT (LTP)	N (Y) = 2,148,915.99' E (X) = 2,821,654.55'	LAT. = 36.90498698°N LON. = 107.49621815°W	FNL = 643' FEL = 274'
AS-DRILLED BOTTOM HOLE LOCATION (BHL)	N (Y) = 2,148,907.00' E (X) = 2,821,875.32'	LAT. = 36.90496014°N LON. = 107.49546317°W	FNL = 652' FEL = 53'

NEBU 604-1H 30-045-35793
Perforation Report March 28, 2018 to May 9, 2018

3 1/8" gun used to make 0.430" diam. holes at 60 degree phasing. 4 spf, 8 holes/cluster (except stage 1)

Stage	Cluster #1		Cluster #2		Cluster #3		Cluster #4		Cluster #5		Cluster #6		Cluster #7		Cluster #8		Holes/ Stage
	top	bottom	top	bottom	top	bottom	top	bottom	top	bottom	top	bottom	top	bottom	top	bottom	
1	toe sleeve @	17,165.00	17,122.00	17,120.00	17,101.00	17,099.00	17,079.00	17,077.00	17,058.00	17,056.00	17,037.00	17,035.00	17,016.00	17,014.00	16,995.00	16,993.00	56
2	16,959.00	16,957.00	16,921.00	16,919.00	16,900.00	16,898.00	16,879.00	16,877.00	16,858.00	16,856.00	16,836.00	16,834.00	16,815.00	16,813.00	16,794.00	16,792.00	64
3	16,742.00	16,740.00	16,721.00	16,719.00	16,700.00	16,698.00	16,678.00	16,676.00	16,657.00	16,655.00	16,636.00	16,634.00	16,615.00	16,613.00	16,594.00	16,592.00	64
4	16,542.00	16,540.00	16,520.00	16,518.00	16,499.00	16,497.00	16,478.00	16,476.00	16,457.00	16,455.00	16,436.00	16,434.00	16,414.00	16,412.00	16,393.00	16,391.00	64
5	16,341.00	16,339.00	16,320.00	16,318.00	16,299.00	16,297.00	16,277.00	16,275.00	16,256.00	16,254.00	16,235.00	16,233.00	16,210.00	16,208.00	16,192.00	16,190.00	64
6	16,141.00	16,139.00	16,119.00	16,117.00	16,098.00	16,096.00	16,077.00	16,075.00	16,056.00	16,054.00	16,035.00	16,033.00	16,013.00	16,011.00	15,992.00	15,990.00	64
7	15,940.00	15,938.00	15,919.00	15,917.00	15,898.00	15,896.00	15,877.00	15,875.00	15,855.00	15,853.00	15,834.00	15,832.00	15,811.00	15,809.00	15,792.00	15,790.00	64
8	15,740.00	15,738.00	15,719.00	15,717.00	15,697.00	15,695.00	15,676.00	15,674.00	15,655.00	15,653.00	15,634.00	15,632.00	15,612.00	15,610.00	15,591.00	15,589.00	64
9	15,539.00	15,537.00	15,518.00	15,516.00	15,497.00	15,495.00	15,476.00	15,474.00	15,452.00	15,450.00	15,433.00	15,431.00	15,410.00	15,408.00	15,391.00	15,389.00	64
10	15,339.00	15,337.00	15,318.00	15,316.00	15,296.00	15,294.00	15,275.00	15,273.00	15,254.00	15,252.00	15,233.00	15,231.00	15,212.00	15,210.00	15,190.00	15,188.00	64
11	15,138.00	15,136.00	15,117.00	15,115.00	15,096.00	15,094.00	15,075.00	15,073.00	15,053.00	15,051.00	15,032.00	15,030.00	15,011.00	15,009.00	14,990.00	14,988.00	64
12	14,938.00	14,936.00	14,917.00	14,915.00	14,895.00	14,893.00	14,874.00	14,872.00	14,853.00	14,851.00	14,830.00	14,828.00	14,811.00	14,809.00	14,786.00	14,784.00	64
13	14,737.00	14,735.00	14,716.00	14,714.00	14,695.00	14,693.00	14,674.00	14,672.00	14,651.00	14,649.00	14,631.00	14,629.00	14,613.00	14,611.00	14,589.00	14,587.00	64
14	14,537.00	14,535.00	14,516.00	14,514.00	14,494.00	14,492.00	14,473.00	14,471.00	14,452.00	14,450.00	14,431.00	14,429.00	14,410.00	14,408.00	14,388.00	14,386.00	64
15	14,336.00	14,334.00	14,315.00	14,313.00	14,294.00	14,292.00	14,273.00	14,271.00	14,252.00	14,250.00	14,230.00	14,228.00	14,209.00	14,207.00	14,188.00	14,186.00	64
16	14,136.00	14,134.00	14,115.00	14,113.00	14,094.00	14,092.00	14,070.00	14,068.00	14,051.00	14,049.00	14,032.00	14,030.00	14,009.00	14,007.00	13,990.00	13,988.00	64
17	13,935.00	13,933.00	13,914.00	13,912.00	13,893.00	13,891.00	13,872.00	13,870.00	13,849.00	13,847.00	13,829.00	13,827.00	13,812.00	13,810.00	13,787.00	13,785.00	64
18	13,735.00	13,733.00	13,714.00	13,712.00	13,693.00	13,691.00	13,671.00	13,669.00	13,650.00	13,648.00	13,626.00	13,624.00	13,608.00	13,606.00	13,587.00	13,585.00	64
19	13,535.00	13,533.00	13,513.00	13,511.00	13,492.00	13,490.00	13,471.00	13,469.00	13,446.00	13,444.00	13,428.00	13,426.00	13,410.00	13,408.00	13,386.00	13,384.00	64
20	13,334.00	13,332.00	13,313.00	13,311.00	13,292.00	13,290.00	13,268.00	13,266.00	13,249.00	13,247.00	13,224.00	13,222.00	13,207.00	13,205.00	13,186.00	13,184.00	64
21	13,134.00	13,132.00	13,112.00	13,110.00	13,089.00	13,087.00	13,070.00	13,068.00	13,044.00	13,042.00	13,028.00	13,026.00	13,010.00	13,008.00	12,985.00	12,983.00	64
22	12,933.00	12,931.00	12,912.00	12,910.00	12,891.00	12,889.00	12,864.00	12,862.00	12,848.00	12,846.00	12,830.00	12,828.00	12,806.00	12,804.00	12,785.00	12,783.00	64
23	12,733.00	12,731.00	12,711.00	12,709.00	12,688.00	12,686.00	12,669.00	12,667.00	12,650.00	12,648.00	12,627.00	12,625.00	12,605.00	12,603.00	12,584.00	12,582.00	64
24	12,531.00	12,529.00	12,511.00	12,509.00	12,486.00	12,484.00	12,469.00	12,467.00	12,449.00	12,447.00	12,426.00	12,424.00	12,405.00	12,403.00	12,384.00	12,382.00	64
25	12,332.00	12,330.00	12,307.00	12,305.00	12,289.00	12,287.00	12,272.00	12,270.00	12,247.00	12,245.00	12,226.00	12,224.00	12,204.00	12,202.00	12,183.00	12,181.00	64
26	12,127.00	12,125.00	12,110.00	12,108.00	12,092.00	12,090.00	12,068.00	12,066.00	12,048.00	12,046.00	12,025.00	12,023.00	12,004.00	12,002.00	11,983.00	11,981.00	64
27	11,931.00	11,929.00	11,910.00	11,908.00	11,888.00	11,886.00	11,867.00	11,865.00	11,846.00	11,844.00	11,827.00	11,825.00	11,804.00	11,802.00	11,784.00	11,782.00	64
28	11,730.00	11,728.00	11,709.00	11,707.00	11,688.00	11,686.00	11,667.00	11,665.00	11,645.00	11,643.00	11,624.00	11,622.00	11,606.00	11,604.00	11,582.00	11,580.00	64
29	11,530.00	11,528.00	11,509.00	11,507.00	11,487.00	11,485.00	11,462.00	11,460.00	11,444.00	11,442.00	11,427.00	11,425.00	11,403.00	11,401.00	11,382.00	11,380.00	64
30	11,329.00	11,327.00	11,308.00	11,306.00	11,287.00	11,285.00	11,266.00	11,264.00	11,245.00	11,243.00	11,223.00	11,221.00	11,202.00	11,200.00	11,181.00	11,179.00	64
31	11,128.50	11,127.00	11,107.50	11,106.00	11,085.50	11,084.00	11,064.50	11,063.00	11,043.50	11,042.00	11,022.50	11,021.00	11,001.50	11,000.00	10,979.50	10,978.00	64
32	10,928.00	10,926.00	10,907.00	10,905.00	10,883.00	10,881.00	10,865.00	10,863.00	10,838.00	10,836.00	10,822.00	10,820.00	10,804.00	10,802.00	10,780.00	10,778.00	64
33	10,728.00	10,726.00	10,704.00	10,702.00	10,686.00	10,684.00	10,658.00	10,656.00	10,643.00	10,641.00	10,616.00	10,614.00	10,601.00	10,599.00	10,582.00	10,580.00	64
34	10,527.00	10,525.00	10,506.00	10,504.00	10,485.00	10,483.00	10,464.00	10,462.00	10,443.00	10,441.00	10,421.00	10,419.00	10,400.00	10,398.00	10,379.00	10,377.00	64
35	10,327.00	10,325.00	10,306.00	10,304.00	10,285.00	10,283.00	10,263.00	10,261.00	10,242.00	10,240.00	10,221.00	10,219.00	10,200.00	10,198.00	10,179.00	10,177.00	64
36	10,127.00	10,125.50	10,105.00	10,103.50	10,084.00	10,082.50	10,063.00	10,061.50	10,042.00	10,040.50	10,021.00	10,019.50	9,999.00	9,997.50	9,978.00	9,976.50	64
37	9,926.00	9,924.50	9,905.00	9,903.50	9,884.00	9,882.50	9,862.00	9,860.50	9,841.00	9,839.50	9,820.00	9,818.50	9,799.00	9,797.50	9,778.00	9,776.50	64
38	9,726.00	9,724.50	9,704.00	9,702.50	9,683.00	9,681.50	9,662.00	9,660.50	9,641.00	9,639.50	9,620.00	9,618.50	9,598.00	9,596.50	9,577.00	9,575.50	64
39	9,525.00	9,523.50	9,504.00	9,502.50	9,483.00	9,481.50	9,462.00	9,460.50	9,440.00	9,438.50	9,419.00	9,417.50	9,398.00	9,396.50	9,377.00	9,375.50	64
40	9,325.00	9,323.50	9,303.00	9,301.50	9,282.00	9,280.50	9,261.00	9,259.50	9,240.00	9,238.50	9,219.00	9,217.50	9,197.00	9,195.50	9,176.00	9,174.50	64
41	9,124.00	9,122.50	9,103.00	9,101.50	9,082.00	9,080.50	9,061.00	9,059.50	9,039.00	9,037.50	9,018.00	9,016.50	8,997.00	8,995.50	8,976.00	8,974.50	64
42	8,924.00	8,922.50	8,903.00	8,901.50	8,881.00	8,879.50	8,860.00	8,858.50	8,839.00	8,837.50	8,818.00	8,816.50	8,796.00	8,794.50	8,775.00	8,773.50	64
43	8,723.00	8,721.50	8,702.00	8,700.50	8,681.00	8,679.50	8,660.00	8,658.50	8,638.00	8,636.50	8,617.00	8,615.50	8,596.00	8,594.50	8,575.00	8,573.50	64
44	8,523.00	8,521.50	8,502.00	8,500.50	8,480.00	8,478.50	8,459.00	8,457.50	8,438.00	8,436.50	8,417.00	8,415.50	8,396.00	8,394.50	8,374.00	8,372.50	64
45	8,322.00	8,320.50	8,301.00	8,299.50	8,280.00	8,278.50	8,259.00	8,257.50	8,237.00	8,235.50	8,216.00	8,214.50	8,195.00	8,193.50	8,174.00	8,172.50	64
46	8,122.00	8,120.50	8,101.00	8,099.50	8,079.00	8,077.50	8,058.00	8,056.50	8,037.00	8,035.50	8,016.00	8,014.50	7,995.00	7,993.50	7,973.00	7,971.50	64
47	7,921.00	7,919.50	7,900.00	7,898.50	7,879.00	7,877.50	7,858.00	7,856.50	7,837.00	7,835.50	7,815.00	7,813.50	7,794.00	7,792.50	7,773.00	7,771.50	64
48	7,721.00	7,719.50	7,700.00	7,698.50	7,678.00	7,676.50	7,657.00	7,655.50	7,636.00	7,634.50	7,615.00	7,613.50	7,594.00	7,592.50	7,577.00	7,575.50	64

NEBU 604 COM 1H
Completion Frac Report

Interval 1 4/24/2018	(17165-16995): With 1000 gal 15% HCL Acid, 9497 bbls Treated Slick Water, 78307 lbs Common White - 100 Mesh proppant, 309893 lbs Premium White - 40/70 proppant. Max rate of 91.0 bpm, average rate of 90.1 bpm with max pressure of 7777 psi and average pressure of 6787 psi.
Interval 2 4/25/2018	(16959-16794): With 1000 gal 15% HCL Acid, 11543 bbls Treated Slick Water, 83350 lbs Common White - 100 Mesh proppant, 340700 lbs Premium White - 40/70 proppant. Max rate of 90.6 bpm, average rate of 90.3 bpm with max pressure of 6778 psi and average pressure of 6460 psi.
Interval 3 4/25/2018	(16742-16594): With 1000 gal 15% HCL Acid, 12086 bbls Treated Slick Water, 101241 lbs Common White - 100 Mesh proppant, 399753 lbs Premium White - 40/70 proppant. Max rate of 91.7 bpm, average rate of 90.3 bpm with max pressure of 7469 psi and average pressure of 6590 psi.
Interval 4 4/25/2018	(16542-16393): With 1000 gal 15% HCL Acid, 13120 bbls Treated Slick Water, 102237 lbs Common White - 100 Mesh proppant, 399258 lbs Premium White - 40/70 proppant. Max rate of 93.5 bpm, average rate of 90.4 bpm with max pressure of 7195 psi and average pressure of 6711 psi.
Interval 5 4/26/2018	(16341-16192): With 1000 gal 15% HCL Acid, 13631 bbls Treated Slick Water, 96940 lbs Common White - 100 Mesh proppant, 403400 lbs Premium White - 40/70 proppant. Max rate of 91.6 bpm, average rate of 90.6 bpm with max pressure of 7559 psi and average pressure of 6913 psi.
Interval 6 4/26/2018	(16141-15992): With 1000 gal 15% HCL Acid, 13161 bbls Treated Slick Water, 97215 lbs Common White - 100 Mesh proppant, 400496 lbs Premium White - 40/70 proppant. Max rate of 91.4 bpm, average rate of 89.6 bpm with max pressure of 7410 psi and average pressure of 6818 psi.
Interval 7 4/26/2018	(15940-15792): With 1000 gal 15% HCL Acid, 14391 bbls Treated Slick Water, 102785 lbs Common White - 100 Mesh proppant, 401867 lbs Premium White - 40/70 proppant. Max rate of 91.0 bpm, average rate of 90.4 bpm with max pressure of 9386 psi and average pressure of 6467 psi.
Interval 8 4/27/2018	(15740-15591): With 1000 gal 15% HCL Acid, 14879 bbls Treated Slick Water, 101830 lbs Common White - 100 Mesh proppant, 399180 lbs Premium White - 40/70 proppant. Max rate of 91.3 bpm, average rate of 89.0 bpm with max pressure of 7596 psi and average pressure of 7083 psi.
Interval 9 4/27/2018	(15539-15391): With 1000 gal 15% HCL Acid, 13300 bbls Treated Slick Water, 101075 lbs Common White - 100 Mesh proppant, 402287 lbs Premium White - 40/70 proppant. Max rate of 90.8 bpm, average rate of 88.1 bpm with max pressure of 7752 psi and average pressure of 6891 psi.
Interval 10 4/27/2018	(15339-15190): With 500 gal 15% HCL Acid, 13757 bbls Treated Slick Water, 103616 lbs Common White - 100 Mesh proppant, 401645 lbs Premium White - 40/70 proppant. Max rate of 90.9 bpm, average rate of 89.6 bpm with max pressure of 7231 psi and average pressure of 6790 psi.
Interval 11 4/28/2018	(15138-14990): With 500 gal 15% HCL Acid, 13193 bbls Treated Slick Water, 97552 lbs Common White - 100 Mesh proppant, 403400 lbs Premium White - 40/70 proppant. Max rate of 91.2 bpm, average rate of 89.1 bpm with max pressure of 7329 psi and average pressure of 6611 psi.
Interval 12 4/28/2018	(14938-14786): With 500 gal 15% HCL Acid, 13050 bbls Treated Slick Water, 102036 lbs Common White - 100 Mesh proppant, 401750 lbs Premium White - 40/70 proppant. Max rate of 90.2 bpm, average rate of 89.0 bpm with max pressure of 7664 psi and average pressure of 6674 psi.
Interval 13 4/28/2018	(14737-14589): With 1000 gal 15% HCL Acid, 12817 bbls Treated Slick Water, 100407 lbs Common White - 100 Mesh proppant, 401836 lbs Premium White - 40/70 proppant. Max rate of 94.8 bpm, average rate of 90.2 bpm with max pressure of 7698 psi and average pressure of 6446 psi.
Interval 14 4/28/2018	(14537-14388): With 1000 gal 15% HCL Acid, 13405 bbls Treated Slick Water, 103943 lbs Common White - 100 Mesh proppant, 397057 lbs Premium White - 40/70 proppant. Max rate of 93.5 bpm, average rate of 89.5 bpm with max pressure of 7923 psi and average pressure of 6961 psi.
Interval 15 4/29/2018	(14336-14188): With 1000 gal 15% HCL Acid, 13065 bbls Treated Slick Water, 98272 lbs Common White - 100 Mesh proppant, 401490 lbs Premium White - 40/70 proppant. Max rate of 90.5 bpm, average rate of 89.6 bpm with max pressure of 7918 psi and average pressure of 6501 psi.
Interval 16 4/29/2018	(14136-13990): With 1000 gal 15% HCL Acid, 12917 bbls Treated Slick Water, 101035 lbs Common White - 100 Mesh proppant, 402437 lbs Premium White - 40/70 proppant. Max rate of 90.8 bpm, average rate of 90.1 bpm with max pressure of 7545 psi and average pressure of 6545 psi.

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Interval 17 4/29/2018	(13935-13787): With 1000 gal 15% HCL Acid, 12987 bbls Treated Slick Water, 102809 lbs Common White - 100 Mesh proppant, 401319 lbs Premium White - 40/70 proppant. Max rate of 91.8 bpm, average rate of 90.5 bpm with max pressure of 7156 psi and average pressure of 6648 psi.
Interval 18 4/30/2018	(13735-13587): With 1000 gal 15% HCL Acid, 13027 bbls Treated Slick Water, 95943 lbs Common White - 100 Mesh proppant, 403820 lbs Premium White - 40/70 proppant. Max rate of 91.2 bpm, average rate of 90.2 bpm with max pressure of 6880 psi and average pressure of 6420 psi.
Interval 19 4/30/2018	(13535-13386): With 1000 gal 15% HCL Acid, 12980 bbls Treated Slick Water, 97506 lbs Common White - 100 Mesh proppant, 401017 lbs Premium White - 40/70 proppant. Max rate of 92.0 bpm, average rate of 90.6 bpm with max pressure of 6903 psi and average pressure of 6414 psi.
Interval 20 4/30/2018	(13334-13186): With 1000 gal 15% HCL Acid, 12890 bbls Treated Slick Water, 100312 lbs Common White - 100 Mesh proppant, 400817 lbs Premium White - 40/70 proppant. Max rate of 91.3 bpm, average rate of 90.5 bpm with max pressure of 7087 psi and average pressure of 6565 psi.
Interval 21 4/30/2018	(13134-12985): With 1000 gal 15% HCL Acid, 12920 bbls Treated Slick Water, 98403 lbs Common White - 100 Mesh proppant, 402750 lbs Premium White - 40/70 proppant. Max rate of 90.8 bpm, average rate of 89.3 bpm with max pressure of 7035 psi and average pressure of 6357 psi.
Interval 22 5/1/2018	(12933-12785): With 1000 gal 15% HCL Acid, 12835 bbls Treated Slick Water, 94626 lbs Common White - 100 Mesh proppant, 405566 lbs Premium White - 40/70 proppant. Max rate of 91.1 bpm, average rate of 89.5 bpm with max pressure of 7348 psi and average pressure of 6586 psi.
Interval 23 5/1/2018	(12733-12584): With 1000 gal 15% HCL Acid, 11830 bbls Treated Slick Water, 102351 lbs Common White - 100 Mesh proppant, 424363 lbs Premium White - 40/70 proppant. Max rate of 91.1 bpm, average rate of 90.3 bpm with max pressure of 6816 psi and average pressure of 6532 psi.
Interval 24 5/1/2018	(12531-12384): With 1000 gal 15% HCL Acid, 12437 bbls Treated Slick Water, 101330 lbs Common White - 100 Mesh proppant, 403376 lbs Premium White - 40/70 proppant. Max rate of 92.3 bpm, average rate of 90.0 bpm with max pressure of 7397 psi and average pressure of 6569 psi.
Interval 25 5/1/2018	(12332-12183): With 1000 gal 15% HCL Acid, 12632 bbls Treated Slick Water, 101511 lbs Common White - 100 Mesh proppant, 403860 lbs Premium White - 40/70 proppant. Max rate of 91.7 bpm, average rate of 90.1 bpm with max pressure of 7390 psi and average pressure of 6400 psi.
Interval 26 5/2/2018	(12127-11983): With 1000 gal 15% HCL Acid, 12307 bbls Treated Slick Water, 103563 lbs Common White - 100 Mesh proppant, 390820 lbs Premium White - 40/70 proppant. Max rate of 92.6 bpm, average rate of 90.1 bpm with max pressure of 8014 psi and average pressure of 6518 psi.
Interval 27 5/2/2018	(11931-11784): With 1000 gal 15% HCL Acid, 12416 bbls Treated Slick Water, 102048 lbs Common White - 100 Mesh proppant, 407092 lbs Premium White - 40/70 proppant. Max rate of 93.1 bpm, average rate of 90.7 bpm with max pressure of 6834 psi and average pressure of 6359 psi.
Interval 28 5/2/2018	(11730-11582): With 1000 gal 15% HCL Acid, 12299 bbls Treated Slick Water, 100860 lbs Common White - 100 Mesh proppant, 404290 lbs Premium White - 40/70 proppant. Max rate of 91.8 bpm, average rate of 90.4 bpm with max pressure of 7901 psi and average pressure of 6731 psi.
Interval 29 5/2/2018	(11530-11382): With 1000 gal 15% HCL Acid, 12086 bbls Treated Slick Water, 102321 lbs Common White - 100 Mesh proppant, 403060 lbs Premium White - 40/70 proppant. Max rate of 91.9 bpm, average rate of 90.3 bpm with max pressure of 7339 psi and average pressure of 6460 psi.
Interval 30 5/3/2018	(11329-11181): With 1000 gal 15% HCL Acid, 12298 bbls Treated Slick Water, 101428 lbs Common White - 100 Mesh proppant, 403481 lbs Premium White - 40/70 proppant. Max rate of 92.6 bpm, average rate of 90.1 bpm with max pressure of 7368 psi and average pressure of 6676 psi.
Interval 31 5/3/2018	(11129-10980): With 1000 gal 15% HCL Acid, 12032 bbls Treated Slick Water, 100270 lbs Common White - 100 Mesh proppant, 408873 lbs Premium White - 40/70 proppant. Max rate of 90.6 bpm, average rate of 90.0 bpm with max pressure of 7031 psi and average pressure of 6581 psi.
Interval 32 5/3/2018	(10928-10780): With 1000 gal 15% HCL Acid, 12223 bbls Treated Slick Water, 100366 lbs Common White - 100 Mesh proppant, 401840 lbs Premium White - 40/70 proppant. Max rate of 90.9 bpm, average rate of 90.0 bpm with max pressure of 7315 psi and average pressure of 6338psi.

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Interval 33 5/4/2018	(10728-10582): With 1000 gal 15% HCL Acid, 12389 bbls Treated Slick Water, 101181 lbs Common White - 100 Mesh proppant, 400860 lbs Premium White - 40/70 proppant. Max rate of 90.5 bpm, average rate of 89.6 bpm with max pressure of 8871 psi and average pressure of 6530 psi.
Interval 34 5/4/2018	(10527-10379): With 1000 gal 15% HCL Acid, 11945 bbls Treated Slick Water, 98601 lbs Common White - 100 Mesh proppant, 404722 lbs Premium White - 40/70 proppant. Max rate of 90.9 bpm, average rate of 90.1 bpm with max pressure of 7855 psi and average pressure of 6410 psi.
Interval 35 5/5/2018	(10327-10179): With 1000 gal 15% HCL Acid, 12198 bbls Treated Slick Water, 100524 lbs Common White - 100 Mesh proppant, 400090 lbs Premium White - 40/70 proppant. Max rate of 91.1 bpm, average rate of 89.8 bpm with max pressure of 7381 psi and average pressure of 6484 psi.
Interval 36 5/5/2018	(10127-9978): With 1000 gal 15% HCL Acid, 12097 bbls Treated Slick Water, 94952 lbs Common White - 100 Mesh proppant, 407629 lbs Premium White - 40/70 proppant. Max rate of 91 bpm, average rate of 90 bpm with max pressure of 7501 psi and average pressure of 6868 psi.
Interval 37 5/5/2018	(9926-9778): With 1000 gal 15% HCL Acid, 12757 bbls Treated Slick Water, 99454 lbs Common White - 100 Mesh proppant, 400610 lbs Premium White - 40/70 proppant. Max rate of 92 bpm, average rate of 90 bpm with max pressure of 7696 psi and average pressure of 7295 psi.
Interval 38 5/6/2018	(9726-9577): With 1000 gal 15% HCL Acid, 11761 bbls Treated Slick Water, 99510 lbs Common White - 100 Mesh proppant, 405339 lbs Premium White - 40/70 proppant. Max rate of 92 bpm, average rate of 90 bpm with max pressure of 7549 psi and average pressure of 7100 psi.
Interval 39 5/6/2018	(9525-9377): With 1000 gal 15% HCL Acid, 11948 bbls Treated Slick Water, 94561 lbs Common White - 100 Mesh proppant, 405339 lbs Premium White - 40/70 proppant. Max rate of 91 bpm, average rate of 86 bpm with max pressure of 8262 psi and average pressure of 7321 psi.
Interval 40 5/6/2018	(9325-9176): With 1000 gal 15% HCL Acid, 12327 bbls Treated Slick Water, 100841 lbs Common White - 100 Mesh proppant, 399816 lbs Premium White - 40/70 proppant. Max rate of 92 bpm, average rate of 90 bpm with max pressure of 7463 psi and average pressure of 6664 psi.
Interval 41 5/7/2018	(9124-8976): With 1000 gal 15% HCL Acid, 11528 bbls Treated Slick Water, 100279 lbs Common White - 100 Mesh proppant, 401567 lbs Premium White - 40/70 proppant. Max rate of 91.78 bpm, average rate of 91 bpm with max pressure of 7244 psi and average pressure of 6607 psi.
Interval 42 5/7/2018	(8924-8775): With 1000 gal 15% HCL Acid, 11493 bbls Treated Slick Water, 100323 lbs Common White - 100 Mesh proppant, 399736 lbs Premium White - 40/70 proppant. Max rate of 91 bpm, average rate of 90 bpm with max pressure of 7024 psi and average pressure of 6131 psi.
Interval 43 5/7/2018	(8723-8575): With 1000 gal 15% HCL Acid, 12177 bbls Treated Slick Water, 100895 lbs Common White - 100 Mesh proppant, 400040 lbs Premium White - 40/70 proppant. Max rate of 90 bpm, average rate of 90 bpm with max pressure of 7330 psi and average pressure of 6158 psi.
Interval 44 5/8/2018	(8523-8374): With 1000 gal 15% HCL Acid, 11802 bbls Treated Slick Water, 92995 lbs Common White - 100 Mesh proppant, 404600 lbs Premium White - 40/70 proppant. Max rate of 90 bpm, average rate of 90 bpm with max pressure of 7971 psi and average pressure of 6594 psi.
Interval 45 5/8/2018	(8322-8174): With 1000 gal 15% HCL Acid, 11931 bbls Treated Slick Water, 104035 lbs Common White - 100 Mesh proppant, 398040 lbs Premium White - 40/70 proppant. Max rate of 90.8 bpm, average rate of 85.1 bpm with max pressure of 8507 psi and average pressure of 7394 psi.
Interval 46 5/9/2018	(8122-7973): With 1000 gal 15% HCL Acid, 13852 bbls Treated Slick Water, 104424 lbs Common White - 100 Mesh proppant, 396320 lbs Premium White - 40/70 proppant. Max rate of 91 bpm, average rate of 89 bpm with max pressure of 8571 psi and average pressure of 6517 psi.
Interval 47 5/9/2018	(7921-7773): With 1000 gal 15% HCL Acid, 12071 bbls Treated Slick Water, 101637 lbs Common White - 100 Mesh proppant, 403440 lbs Premium White - 40/70 proppant. Max rate of 90 bpm, average rate of 89 bpm with max pressure of 7699 psi and average pressure of 6219 psi.
Interval 48 5/9/2018	(7721-7575): With 1000 gal 15% HCL Acid, 12201 bbls Treated Slick Water, 105096 lbs Common White - 100 Mesh proppant, 399340 lbs Premium White - 40/70 proppant. Max rate of 90.8 bpm, average rate of 90 bpm with max pressure of 7208 psi and average pressure of 6116 psi.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

5. Lease Serial No.
NMNM03358

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

7. If Unit or CA/Agreement, Name and/or No.
NMNM136939

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
NEBU 604 COM 1H

2. Name of Operator
BP AMERICA PRODUCTION CO

Contact: PATTI CAMPBELL
E-Mail: patti.campbell@bpx.ocm

9. API Well No.
30-045-35793-00-X1

3a. Address
PO BOX 3092
HOUSTON, TX 77253

3b. Phone No. (include area code)
Ph: 970-712-5997

10. Field and Pool or Exploratory Area
BASIN MANCOS

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 13 T31N R7W SWNW 1871FNL 601FWL
36.901634 N Lat, 107.529221 W Lon

11. County or Parish, State

SAN JUAN COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. 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 recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat 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 determined that the site is ready for final inspection.

3/28/2018 - 5/9/2018: 48 stages perforated and fracture stimulated.

Please see detailed completion operation reports attached for the subject well.

Tubing has not been run in the well. A request to delay tubing installation will be provided separately.

**Please note the As Drilled surface location for the subject well is:

Sec 13 T31N R07W SWNW 1871 FNL & 601 FWL

As Built C-102 attached.

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #431283 verified by the BLM Well Information System
For BP AMERICA PRODUCTION CO, sent to the Farmington
Committed to AFMSS for processing by JACK SAVAGE on 08/15/2018 (18JWS0184SE)**

Name (Printed/Typed) PATTI CAMPBELL

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 08/15/2018

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

ACCEPTED

JACK SAVAGE
Title PETROLEUM ENGINEER

Date 08/15/2018

Conditions of approval, if any, are attached. Approval of this notice does not warrant or 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.

Office Farmington

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.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

NMOC

Additional data for EC transaction #431283 that would not fit on the form

32. Additional remarks, continued

NEBU 604-1H 30-045-35793
Perforation Report March 28, 2018 to May 9, 2018

3 1/8" gun used to make 0.430" diam. holes at 60 degree phasing. 4 spf, 8 holes/cluster (except stage 1)

Stage	Cluster #1		Cluster #2		Cluster #3		Cluster #4		Cluster #5		Cluster #6		Cluster #7		Cluster #8		Holes/ Stage
	top	bottom	top	bottom	top	bottom	top	bottom	top	bottom	top	bottom	top	bottom	top	bottom	
1	toe sleeve @	17,165.00	17,122.00	17,120.00	17,101.00	17,099.00	17,079.00	17,077.00	17,058.00	17,056.00	17,037.00	17,035.00	17,016.00	17,014.00	16,995.00	16,993.00	56
2	16,959.00	16,957.00	16,921.00	16,919.00	16,900.00	16,898.00	16,879.00	16,877.00	16,858.00	16,856.00	16,836.00	16,834.00	16,815.00	16,813.00	16,794.00	16,792.00	64
3	16,742.00	16,740.00	16,721.00	16,719.00	16,700.00	16,698.00	16,678.00	16,676.00	16,657.00	16,655.00	16,636.00	16,634.00	16,615.00	16,613.00	16,594.00	16,592.00	64
4	16,542.00	16,540.00	16,520.00	16,518.00	16,499.00	16,497.00	16,478.00	16,476.00	16,457.00	16,455.00	16,436.00	16,434.00	16,414.00	16,412.00	16,393.00	16,391.00	64
5	16,341.00	16,339.00	16,320.00	16,318.00	16,299.00	16,297.00	16,277.00	16,275.00	16,256.00	16,254.00	16,235.00	16,233.00	16,210.00	16,208.00	16,192.00	16,190.00	64
6	16,141.00	16,139.00	16,119.00	16,117.00	16,098.00	16,096.00	16,077.00	16,075.00	16,056.00	16,054.00	16,035.00	16,033.00	16,013.00	16,011.00	15,992.00	15,990.00	64
7	15,940.00	15,938.00	15,919.00	15,917.00	15,898.00	15,896.00	15,877.00	15,875.00	15,855.00	15,853.00	15,834.00	15,832.00	15,811.00	15,809.00	15,792.00	15,790.00	64
8	15,740.00	15,738.00	15,719.00	15,717.00	15,697.00	15,695.00	15,676.00	15,674.00	15,655.00	15,653.00	15,634.00	15,632.00	15,612.00	15,610.00	15,591.00	15,589.00	64
9	15,539.00	15,537.00	15,518.00	15,516.00	15,497.00	15,495.00	15,476.00	15,474.00	15,452.00	15,450.00	15,433.00	15,431.00	15,410.00	15,408.00	15,391.00	15,389.00	64
10	15,339.00	15,337.00	15,318.00	15,316.00	15,296.00	15,294.00	15,275.00	15,273.00	15,254.00	15,252.00	15,233.00	15,231.00	15,212.00	15,210.00	15,190.00	15,188.00	64
11	15,138.00	15,136.00	15,117.00	15,115.00	15,096.00	15,094.00	15,075.00	15,073.00	15,053.00	15,051.00	15,032.00	15,030.00	15,011.00	15,009.00	14,990.00	14,988.00	64
12	14,938.00	14,936.00	14,917.00	14,915.00	14,895.00	14,893.00	14,874.00	14,872.00	14,853.00	14,851.00	14,830.00	14,828.00	14,811.00	14,809.00	14,786.00	14,784.00	64
13	14,737.00	14,735.00	14,716.00	14,714.00	14,695.00	14,693.00	14,674.00	14,672.00	14,651.00	14,649.00	14,631.00	14,629.00	14,613.00	14,611.00	14,589.00	14,587.00	64
14	14,537.00	14,535.00	14,516.00	14,514.00	14,494.00	14,492.00	14,473.00	14,471.00	14,452.00	14,450.00	14,431.00	14,429.00	14,410.00	14,408.00	14,388.00	14,386.00	64
15	14,336.00	14,334.00	14,315.00	14,313.00	14,294.00	14,292.00	14,273.00	14,271.00	14,252.00	14,250.00	14,230.00	14,228.00	14,209.00	14,207.00	14,188.00	14,186.00	64
16	14,136.00	14,134.00	14,115.00	14,113.00	14,094.00	14,092.00	14,070.00	14,068.00	14,051.00	14,049.00	14,032.00	14,030.00	14,009.00	14,007.00	13,990.00	13,988.00	64
17	13,935.00	13,933.00	13,914.00	13,912.00	13,893.00	13,891.00	13,872.00	13,870.00	13,849.00	13,847.00	13,829.00	13,827.00	13,812.00	13,810.00	13,787.00	13,785.00	64
18	13,735.00	13,733.00	13,714.00	13,712.00	13,693.00	13,691.00	13,671.00	13,669.00	13,650.00	13,648.00	13,626.00	13,624.00	13,608.00	13,606.00	13,587.00	13,585.00	64
19	13,535.00	13,533.00	13,513.00	13,511.00	13,492.00	13,490.00	13,471.00	13,469.00	13,446.00	13,444.00	13,428.00	13,426.00	13,410.00	13,408.00	13,386.00	13,384.00	64
20	13,334.00	13,332.00	13,313.00	13,311.00	13,292.00	13,290.00	13,268.00	13,266.00	13,249.00	13,247.00	13,224.00	13,222.00	13,207.00	13,205.00	13,186.00	13,184.00	64
21	13,134.00	13,132.00	13,112.00	13,110.00	13,089.00	13,087.00	13,070.00	13,068.00	13,044.00	13,042.00	13,028.00	13,026.00	13,010.00	13,008.00	12,985.00	12,983.00	64
22	12,933.00	12,931.00	12,912.00	12,910.00	12,891.00	12,889.00	12,864.00	12,862.00	12,848.00	12,846.00	12,830.00	12,828.00	12,806.00	12,804.00	12,785.00	12,783.00	64
23	12,733.00	12,731.00	12,711.00	12,709.00	12,688.00	12,686.00	12,669.00	12,667.00	12,650.00	12,648.00	12,627.00	12,625.00	12,605.00	12,603.00	12,584.00	12,582.00	64
24	12,531.00	12,529.00	12,511.00	12,509.00	12,486.00	12,484.00	12,469.00	12,467.00	12,449.00	12,447.00	12,426.00	12,424.00	12,405.00	12,403.00	12,384.00	12,382.00	64
25	12,332.00	12,330.00	12,307.00	12,305.00	12,289.00	12,287.00	12,272.00	12,270.00	12,247.00	12,245.00	12,226.00	12,224.00	12,204.00	12,202.00	12,183.00	12,181.00	64
26	12,127.00	12,125.00	12,110.00	12,108.00	12,092.00	12,090.00	12,068.00	12,066.00	12,048.00	12,046.00	12,025.00	12,023.00	12,004.00	12,002.00	11,983.00	11,981.00	64
27	11,931.00	11,929.00	11,910.00	11,908.00	11,888.00	11,886.00	11,867.00	11,865.00	11,846.00	11,844.00	11,827.00	11,825.00	11,804.00	11,802.00	11,784.00	11,782.00	64
28	11,730.00	11,728.00	11,709.00	11,707.00	11,688.00	11,686.00	11,667.00	11,665.00	11,645.00	11,643.00	11,624.00	11,622.00	11,606.00	11,604.00	11,582.00	11,580.00	64
29	11,530.00	11,528.00	11,509.00	11,507.00	11,487.00	11,485.00	11,462.00	11,460.00	11,444.00	11,442.00	11,427.00	11,425.00	11,403.00	11,401.00	11,382.00	11,380.00	64
30	11,329.00	11,327.00	11,308.00	11,306.00	11,287.00	11,285.00	11,266.00	11,264.00	11,245.00	11,243.00	11,223.00	11,221.00	11,202.00	11,200.00	11,181.00	11,179.00	64
31	11,128.50	11,127.00	11,107.50	11,106.00	11,085.50	11,084.00	11,064.50	11,063.00	11,043.50	11,042.00	11,022.50	11,021.00	11,001.50	11,000.00	10,979.50	10,978.00	64
32	10,928.00	10,926.00	10,907.00	10,905.00	10,883.00	10,881.00	10,865.00	10,863.00	10,838.00	10,836.00	10,822.00	10,820.00	10,804.00	10,802.00	10,780.00	10,778.00	64
33	10,728.00	10,726.00	10,704.00	10,702.00	10,686.00	10,684.00	10,658.00	10,656.00	10,643.00	10,641.00	10,616.00	10,614.00	10,601.00	10,599.00	10,582.00	10,580.00	64
34	10,527.00	10,525.00	10,506.00	10,504.00	10,485.00	10,483.00	10,464.00	10,462.00	10,443.00	10,441.00	10,421.00	10,419.00	10,400.00	10,398.00	10,379.00	10,377.00	64
35	10,327.00	10,325.00	10,306.00	10,304.00	10,285.00	10,283.00	10,263.00	10,261.00	10,242.00	10,240.00	10,221.00	10,219.00	10,200.00	10,198.00	10,179.00	10,177.00	64
36	10,127.00	10,125.50	10,105.00	10,103.50	10,084.00	10,082.50	10,063.00	10,061.50	10,042.00	10,040.50	10,021.00	10,019.50	9,999.00	9,997.50	9,978.00	9,976.50	64
37	9,926.00	9,924.50	9,905.00	9,903.50	9,884.00	9,882.50	9,862.00	9,860.50	9,841.00	9,839.50	9,820.00	9,818.50	9,799.00	9,797.50	9,778.00	9,776.50	64
38	9,726.00	9,724.50	9,704.00	9,702.50	9,683.00	9,681.50	9,662.00	9,660.50	9,641.00	9,639.50	9,620.00	9,618.50	9,598.00	9,596.50	9,577.00	9,575.50	64
39	9,525.00	9,523.50	9,504.00	9,502.50	9,483.00	9,481.50	9,462.00	9,460.50	9,440.00	9,438.50	9,419.00	9,417.50	9,398.00	9,396.50	9,377.00	9,375.50	64
40	9,325.00	9,323.50	9,303.00	9,301.50	9,282.00	9,280.50	9,261.00	9,259.50	9,240.00	9,238.50	9,219.00	9,217.50	9,197.00	9,195.50	9,176.00	9,174.50	64
41	9,124.00	9,122.50	9,103.00	9,101.50	9,082.00	9,080.50	9,061.00	9,059.50	9,039.00	9,037.50	9,018.00	9,016.50	8,997.00	8,995.50	8,976.00	8,974.50	64
42	8,924.00	8,922.50	8,903.00	8,901.50	8,881.00	8,879.50	8,860.00	8,858.50	8,839.00	8,837.50	8,818.00	8,816.50	8,796.00	8,794.50	8,775.00	8,773.50	64
43	8,723.00	8,721.50	8,702.00	8,700.50	8,681.00	8,679.50	8,660.00	8,658.50	8,638.00	8,636.50	8,617.00	8,615.50	8,596.00	8,594.50	8,575.00	8,573.50	64
44	8,523.00	8,521.50	8,502.00	8,500.50	8,480.00	8,478.50	8,459.00	8,457.50	8,438.00	8,436.50	8,417.00	8,415.50	8,396.00	8,394.50	8,374.00	8,372.50	64
45	8,322.00	8,320.50	8,301.00	8,299.50	8,280.00	8,278.50	8,259.00	8,257.50	8,237.00	8,235.50	8,216.00	8,214.50	8,195.00	8,193.50	8,174.00	8,172.50	64
46	8,122.00	8,120.50	8,101.00	8,099.50	8,079.00	8,077.50	8,058.00	8,056.50	8,037.00	8,035.50	8,016.00	8,014.50	7,995.00	7,993.50	7,973.00	7,971.50	64
47	7,921.00	7,919.50	7,900.00	7,898.50	7,879.00	7,877.50	7,858.00	7,856.50	7,837.00	7,835.50	7,815.00	7,813.50	7,794.00	7,792.50	7,773.00	7,771.50	64
48	7,721.00	7,719.50	7,700.00	7,698.50	7,678.00	7,676.50	7,657.00	7,655.50	7,636.00	7,634.50	7,615.00	7,613.50	7,594.00	7,592.50	7,577.00	7,575.50	64

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Interval 1 4/24/2018	(17165-16995): With 1000 gal 15% HCL Acid, 9497 bbls Treated Slick Water, 78307 lbs Common White - 100 Mesh proppant, 309893 lbs Premium White - 40/70 proppant. Max rate of 91.0 bpm, average rate of 90.1 bpm with max pressure of 7777 psi and average pressure of 6787 psi.
Interval 2 4/25/2018	(16959-16794): With 1000 gal 15% HCL Acid, 11543 bbls Treated Slick Water, 83350 lbs Common White - 100 Mesh proppant, 340700 lbs Premium White - 40/70 proppant. Max rate of 90.6 bpm, average rate of 90.3 bpm with max pressure of 6778 psi and average pressure of 6460 psi.
Interval 3 4/25/2018	(16742-16594): With 1000 gal 15% HCL Acid, 12086 bbls Treated Slick Water, 101241 lbs Common White - 100 Mesh proppant, 399753 lbs Premium White - 40/70 proppant. Max rate of 91.7 bpm, average rate of 90.3 bpm with max pressure of 7469 psi and average pressure of 6590 psi.
Interval 4 4/25/2018	(16542-16393): With 1000 gal 15% HCL Acid, 13120 bbls Treated Slick Water, 102237 lbs Common White - 100 Mesh proppant, 399258 lbs Premium White - 40/70 proppant. Max rate of 93.5 bpm, average rate of 90.4 bpm with max pressure of 7195 psi and average pressure of 6711 psi.
Interval 5 4/26/2018	(16341-16192): With 1000 gal 15% HCL Acid, 13631 bbls Treated Slick Water, 96940 lbs Common White - 100 Mesh proppant, 403400 lbs Premium White - 40/70 proppant. Max rate of 91.6 bpm, average rate of 90.6 bpm with max pressure of 7559 psi and average pressure of 6913 psi.
Interval 6 4/26/2018	(16141-15992): With 1000 gal 15% HCL Acid, 13161 bbls Treated Slick Water, 97215 lbs Common White - 100 Mesh proppant, 400496 lbs Premium White - 40/70 proppant. Max rate of 91.4 bpm, average rate of 89.6 bpm with max pressure of 7410 psi and average pressure of 6818 psi.
Interval 7 4/26/2018	(15940-15792): With 1000 gal 15% HCL Acid, 14391 bbls Treated Slick Water, 102785 lbs Common White - 100 Mesh proppant, 401867 lbs Premium White - 40/70 proppant. Max rate of 91.0 bpm, average rate of 90.4 bpm with max pressure of 9386 psi and average pressure of 6467 psi.
Interval 8 4/27/2018	(15740-15591): With 1000 gal 15% HCL Acid, 14879 bbls Treated Slick Water, 101830 lbs Common White - 100 Mesh proppant, 399180 lbs Premium White - 40/70 proppant. Max rate of 91.3 bpm, average rate of 89.0 bpm with max pressure of 7596 psi and average pressure of 7083 psi.
Interval 9 4/27/2018	(15539-15391): With 1000 gal 15% HCL Acid, 13300 bbls Treated Slick Water, 101075 lbs Common White - 100 Mesh proppant, 402287 lbs Premium White - 40/70 proppant. Max rate of 90.8 bpm, average rate of 88.1 bpm with max pressure of 7752 psi and average pressure of 6891 psi.
Interval 10 4/27/2018	(15339-15190): With 500 gal 15% HCL Acid, 13757 bbls Treated Slick Water, 103616 lbs Common White - 100 Mesh proppant, 401645 lbs Premium White - 40/70 proppant. Max rate of 90.9 bpm, average rate of 89.6 bpm with max pressure of 7231 psi and average pressure of 6790 psi.
Interval 11 4/28/2018	(15138-14990): With 500 gal 15% HCL Acid, 13193 bbls Treated Slick Water, 97552 lbs Common White - 100 Mesh proppant, 403400 lbs Premium White - 40/70 proppant. Max rate of 91.2 bpm, average rate of 89.1 bpm with max pressure of 7329 psi and average pressure of 6611 psi.
Interval 12 4/28/2018	(14938-14786): With 500 gal 15% HCL Acid, 13050 bbls Treated Slick Water, 102036 lbs Common White - 100 Mesh proppant, 401750 lbs Premium White - 40/70 proppant. Max rate of 90.2 bpm, average rate of 89.0 bpm with max pressure of 7664 psi and average pressure of 6674 psi.
Interval 13 4/28/2018	(14737-14589): With 1000 gal 15% HCL Acid, 12817 bbls Treated Slick Water, 100407 lbs Common White - 100 Mesh proppant, 401836 lbs Premium White - 40/70 proppant. Max rate of 94.8 bpm, average rate of 90.2 bpm with max pressure of 7698 psi and average pressure of 6446 psi.
Interval 14 4/28/2018	(14537-14388): With 1000 gal 15% HCL Acid, 13405 bbls Treated Slick Water, 103943 lbs Common White - 100 Mesh proppant, 397057 lbs Premium White - 40/70 proppant. Max rate of 93.5 bpm, average rate of 89.5 bpm with max pressure of 7923 psi and average pressure of 6961 psi.
Interval 15 4/29/2018	(14336-14188): With 1000 gal 15% HCL Acid, 13065 bbls Treated Slick Water, 98272 lbs Common White - 100 Mesh proppant, 401490 lbs Premium White - 40/70 proppant. Max rate of 90.5 bpm, average rate of 89.6 bpm with max pressure of 7918 psi and average pressure of 6501 psi.
Interval 16 4/29/2018	(14136-13990): With 1000 gal 15% HCL Acid, 12917 bbls Treated Slick Water, 101035 lbs Common White - 100 Mesh proppant, 402437 lbs Premium White - 40/70 proppant. Max rate of 90.8 bpm, average rate of 90.1 bpm with max pressure of 7545 psi and average pressure of 6545 psi.

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Interval 17 4/29/2018	(13935-13787): With 1000 gal 15% HCL Acid, 12987 bbls Treated Slick Water, 102809 lbs Common White - 100 Mesh proppant, 401319 lbs Premium White - 40/70 proppant. Max rate of 91.8 bpm, average rate of 90.5 bpm with max pressure of 7156 psi and average pressure of 6648 psi.
Interval 18 4/30/2018	(13735-13587): With 1000 gal 15% HCL Acid, 13027 bbls Treated Slick Water, 95943 lbs Common White - 100 Mesh proppant, 403820 lbs Premium White - 40/70 proppant. Max rate of 91.2 bpm, average rate of 90.2 bpm with max pressure of 6880 psi and average pressure of 6420 psi.
Interval 19 4/30/2018	(13535-13386): With 1000 gal 15% HCL Acid, 12980 bbls Treated Slick Water, 97506 lbs Common White - 100 Mesh proppant, 401017 lbs Premium White - 40/70 proppant. Max rate of 92.0 bpm, average rate of 90.6 bpm with max pressure of 6903 psi and average pressure of 6414 psi.
Interval 20 4/30/2018	(13334-13186): With 1000 gal 15% HCL Acid, 12890 bbls Treated Slick Water, 100312 lbs Common White - 100 Mesh proppant, 400817 lbs Premium White - 40/70 proppant. Max rate of 91.3 bpm, average rate of 90.5 bpm with max pressure of 7087 psi and average pressure of 6565 psi.
Interval 21 4/30/2018	(13134-12985): With 1000 gal 15% HCL Acid, 12920 bbls Treated Slick Water, 98403 lbs Common White - 100 Mesh proppant, 402750 lbs Premium White - 40/70 proppant. Max rate of 90.8 bpm, average rate of 89.3 bpm with max pressure of 7035 psi and average pressure of 6357 psi.
Interval 22 5/1/2018	(12933-12785): With 1000 gal 15% HCL Acid, 12835 bbls Treated Slick Water, 94626 lbs Common White - 100 Mesh proppant, 405566 lbs Premium White - 40/70 proppant. Max rate of 91.1 bpm, average rate of 89.5 bpm with max pressure of 7348 psi and average pressure of 6586 psi.
Interval 23 5/1/2018	(12733-12584): With 1000 gal 15% HCL Acid, 11830 bbls Treated Slick Water, 102351 lbs Common White - 100 Mesh proppant, 424363 lbs Premium White - 40/70 proppant. Max rate of 91.1 bpm, average rate of 90.3 bpm with max pressure of 6816 psi and average pressure of 6532 psi.
Interval 24 5/1/2018	(12531-12384): With 1000 gal 15% HCL Acid, 12437 bbls Treated Slick Water, 101330 lbs Common White - 100 Mesh proppant, 403376 lbs Premium White - 40/70 proppant. Max rate of 92.3 bpm, average rate of 90.0 bpm with max pressure of 7397 psi and average pressure of 6569 psi.
Interval 25 5/1/2018	(12332-12183): With 1000 gal 15% HCL Acid, 12632 bbls Treated Slick Water, 101511 lbs Common White - 100 Mesh proppant, 403860 lbs Premium White - 40/70 proppant. Max rate of 91.7 bpm, average rate of 90.1 bpm with max pressure of 7390 psi and average pressure of 6400 psi.
Interval 26 5/2/2018	(12127-11983): With 1000 gal 15% HCL Acid, 12307 bbls Treated Slick Water, 103563 lbs Common White - 100 Mesh proppant, 390820 lbs Premium White - 40/70 proppant. Max rate of 92.6 bpm, average rate of 90.1 bpm with max pressure of 8014 psi and average pressure of 6518 psi.
Interval 27 5/2/2018	(11931-11784): With 1000 gal 15% HCL Acid, 12416 bbls Treated Slick Water, 102048 lbs Common White - 100 Mesh proppant, 407092 lbs Premium White - 40/70 proppant. Max rate of 93.1 bpm, average rate of 90.7 bpm with max pressure of 6834 psi and average pressure of 6359 psi.
Interval 28 5/2/2018	(11730-11582): With 1000 gal 15% HCL Acid, 12299 bbls Treated Slick Water, 100860 lbs Common White - 100 Mesh proppant, 404290 lbs Premium White - 40/70 proppant. Max rate of 91.8 bpm, average rate of 90.4 bpm with max pressure of 7901 psi and average pressure of 6731 psi.
Interval 29 5/2/2018	(11530-11382): With 1000 gal 15% HCL Acid, 12086 bbls Treated Slick Water, 102321 lbs Common White - 100 Mesh proppant, 403060 lbs Premium White - 40/70 proppant. Max rate of 91.9 bpm, average rate of 90.3 bpm with max pressure of 7339 psi and average pressure of 6460 psi.
Interval 30 5/3/2018	(11329-11181): With 1000 gal 15% HCL Acid, 12298 bbls Treated Slick Water, 101428 lbs Common White - 100 Mesh proppant, 403481 lbs Premium White - 40/70 proppant. Max rate of 92.6 bpm, average rate of 90.1 bpm with max pressure of 7368 psi and average pressure of 6676 psi.
Interval 31 5/3/2018	(11129-10980): With 1000 gal 15% HCL Acid, 12032 bbls Treated Slick Water, 100270 lbs Common White - 100 Mesh proppant, 408873 lbs Premium White - 40/70 proppant. Max rate of 90.6 bpm, average rate of 90.0 bpm with max pressure of 7031 psi and average pressure of 6581 psi.
Interval 32 5/3/2018	(10928-10780): With 1000 gal 15% HCL Acid, 12223 bbls Treated Slick Water, 100366 lbs Common White - 100 Mesh proppant, 401840 lbs Premium White - 40/70 proppant. Max rate of 90.9 bpm, average rate of 90.0 bpm with max pressure of 7315 psi and average pressure of 6338psi.

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Interval 33 5/4/2018	(10728-10582):	With 1000 gal 15% HCL Acid, 12389 bbls Treated Slick Water, 101181 lbs Common White - 100 Mesh proppant, 400860 lbs Premium White - 40/70 proppant. Max rate of 90.5 bpm, average rate of 89.6 bpm with max pressure of 8871 psi and average pressure of 6530 psi.
Interval 34 5/4/2018	(10527-10379):	With 1000 gal 15% HCL Acid, 11945 bbls Treated Slick Water, 98601 lbs Common White - 100 Mesh proppant, 404722 lbs Premium White - 40/70 proppant. Max rate of 90.9 bpm, average rate of 90.1 bpm with max pressure of 7855 psi and average pressure of 6410 psi.
Interval 35 5/5/2018	(10327-10179):	With 1000 gal 15% HCL Acid, 12198 bbls Treated Slick Water, 100524 lbs Common White - 100 Mesh proppant, 400090 lbs Premium White - 40/70 proppant. Max rate of 91.1 bpm, average rate of 89.8 bpm with max pressure of 7381 psi and average pressure of 6484 psi.
Interval 36 5/5/2018	(10127-9978):	With 1000 gal 15% HCL Acid, 12097 bbls Treated Slick Water, 94952 lbs Common White - 100 Mesh proppant, 407629 lbs Premium White - 40/70 proppant. Max rate of 91 bpm, average rate of 90 bpm with max pressure of 7501 psi and average pressure of 6868 psi.
Interval 37 5/5/2018	(9926-9778):	With 1000 gal 15% HCL Acid, 12757 bbls Treated Slick Water, 99454 lbs Common White - 100 Mesh proppant, 400610 lbs Premium White - 40/70 proppant. Max rate of 92 bpm, average rate of 90 bpm with max pressure of 7696 psi and average pressure of 7295 psi.
Interval 38 5/6/2018	(9726-9577):	With 1000 gal 15% HCL Acid, 11761 bbls Treated Slick Water, 99510 lbs Common White - 100 Mesh proppant, 405339 lbs Premium White - 40/70 proppant. Max rate of 92 bpm, average rate of 90 bpm with max pressure of 7549 psi and average pressure of 7100 psi.
Interval 39 5/6/2018	(9525-9377):	With 1000 gal 15% HCL Acid, 11948 bbls Treated Slick Water, 94561 lbs Common White - 100 Mesh proppant, 405339 lbs Premium White - 40/70 proppant. Max rate of 91 bpm, average rate of 86 bpm with max pressure of 8262 psi and average pressure of 7321 psi.
Interval 40 5/6/2018	(9325-9176):	With 1000 gal 15% HCL Acid, 12327 bbls Treated Slick Water, 100841 lbs Common White - 100 Mesh proppant, 399816 lbs Premium White - 40/70 proppant. Max rate of 92 bpm, average rate of 90 bpm with max pressure of 7463 psi and average pressure of 6664 psi.
Interval 41 5/7/2018	(9124-8976):	With 1000 gal 15% HCL Acid, 11528 bbls Treated Slick Water, 100279 lbs Common White - 100 Mesh proppant, 401567 lbs Premium White - 40/70 proppant. Max rate of 91.78 bpm, average rate of 91 bpm with max pressure of 7244 psi and average pressure of 6607 psi.
Interval 42 5/7/2018	(8924-8775):	With 1000 gal 15% HCL Acid, 11493 bbls Treated Slick Water, 100323 lbs Common White - 100 Mesh proppant, 399736 lbs Premium White - 40/70 proppant. Max rate of 91 bpm, average rate of 90 bpm with max pressure of 7024 psi and average pressure of 6131 psi.
Interval 43 5/7/2018	(8723-8575):	With 1000 gal 15% HCL Acid, 12177 bbls Treated Slick Water, 100895 lbs Common White - 100 Mesh proppant, 400040 lbs Premium White - 40/70 proppant. Max rate of 90 bpm, average rate of 90 bpm with max pressure of 7330 psi and average pressure of 6158 psi.
Interval 44 5/8/2018	(8523-8374):	With 1000 gal 15% HCL Acid, 11802 bbls Treated Slick Water, 92995 lbs Common White - 100 Mesh proppant, 404600 lbs Premium White - 40/70 proppant. Max rate of 90 bpm, average rate of 90 bpm with max pressure of 7971 psi and average pressure of 6594 psi.
Interval 45 5/8/2018	(8322-8174):	With 1000 gal 15% HCL Acid, 11931 bbls Treated Slick Water, 104035 lbs Common White - 100 Mesh proppant, 398040 lbs Premium White - 40/70 proppant. Max rate of 90.8 bpm, average rate of 85.1 bpm with max pressure of 8507 psi and average pressure of 7394 psi.
Interval 46 5/9/2018	(8122-7973):	With 1000 gal 15% HCL Acid, 13852 bbls Treated Slick Water, 104424 lbs Common White - 100 Mesh proppant, 396320 lbs Premium White - 40/70 proppant. Max rate of 91 bpm, average rate of 89 bpm with max pressure of 8571 psi and average pressure of 6517 psi.
Interval 47 5/9/2018	(7921-7773):	With 1000 gal 15% HCL Acid, 12071 bbls Treated Slick Water, 101637 lbs Common White - 100 Mesh proppant, 403440 lbs Premium White - 40/70 proppant. Max rate of 90 bpm, average rate of 89 bpm with max pressure of 7699 psi and average pressure of 6219 psi.
Interval 48 5/9/2018	(7721-7577):	With 1000 gal 15% HCL Acid, 12201 bbls Treated Slick Water, 105096 lbs Common White - 100 Mesh proppant, 399340 lbs Premium White - 40/70 proppant. Max rate of 90.8 bpm, average rate of 90 bpm with max pressure of 7208 psi and average pressure of 6116 psi.