

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 Apache Corporation 303 Veterans Airport Lane Suite 1000 Midland TX 79705		2 OGRID Number 873
3 Reason for Filing Code/ Effective Date NW 11/22/17		
4 API Number 30-015-43666	5 Pool Name LEO:BONE SPRING, SOUTH	6 Pool Code 37920
7 Property Code 316024	8 Property Name SALT FORK 3-4 FEDERAL COM	9 Well Number #002H

II. Surface Location

10 U/I or lot no. K	11 Section 3	12 Township 19S	13 Range 30E	14 Lot Idn 2305	15 Feet from the 2305	16 North/South line SOUTH	17 Feet from the 2270	18 East/West line WEST	19 County EDDY
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Bottom Hole Location

20 U/I or lot no. M	21 Section 3	22 Township 19S	23 Range 30E	24 Lot Idn 675	25 Feet from the 675	26 North/South line SOUTH	27 Feet from the 362	28 East/West line WEST	29 County EDDY
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30 Lse Code F	31 Producing Method Code P	32 Gas Connection Date 11/22/17	33 C-129 Permit Number	34 C-129 Effective Date	35 C-129 Expiration Date
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III. Oil and Gas Transporters

36 Transporter OGRID	37 Transporter Name and Address	38 O/G/W
252293	Holly Energy Pipeline 311 W Quay / PO Box 1380 Artesia NM 88210	O
36785	DCP MIDSTREAM LP 370 17th Street, Suite 2500 Denver, CO 80202	G

IV. Well Completion Data

39 Spud Date 07/22/2017	40 Ready Date 11/22/17	41 TD 15,893'	42 PBD 15,825'	43 Perforations 12,892-15,805'	44 DHC, MIC
45 Hole Size	46 Casing & Tubing Size	47 Depth Set	48 Sacks Cement		
17.5'	13.375 48# J55	476'	800 sx Class C		✓
12.25'	9.625 40# J55	3968'	1100 sx Class C		✓
8.75'	7 26# P110/5.5 17#	7927'/15,893'	2640 sx Class C		✓
Tubing	2.875 J55 6.50	7913'			

V. Well Test Data

49 Date New Oil 11/22/17	50 Gas Delivery Date 11/22/17	51 Test Date 12/03/2017	52 Test Length 24 hrs	53 Tbg. Pressure	54 Csg. Pressure
55 Choke Size	56 Oil 944	57 Water 1883	58 Gas 1194		59 Test Method P

60 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: <i>Emily Folis</i>		OIL CONSERVATION DIVISION Approved by: <i>Raymond H. Rodary</i> Title: <i>Geologist</i> Approval Date: <i>12-18-2017</i>	
61 Printed Name: Emily Folis		Title:	
62 Title: Reg Analyst		Approval Date:	
63 E-mail Address: emily.folis@apachecorp.com			
64 Date: 12/07/2017		65 Phone: 432-618-1801	

Pending BLM approvals will
subsequently be reviewed
and scanned

NM OIL CONSERVATION
ARTESIA DISTRICT

DEC 13 2017

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. NMNM113962	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator APACHE CORPORATION		7. Unit or CA Agreement Name and No.	
Contact: EMILY FOLLIS E-Mail: Emily.Follis@apachecorp.com		8. Lease Name and Well No. SALT FORK 3-4 FEDERAL COM 2H	
3. Address 303 VETERANS AIRPARK LANE SUITE 1000 MIDLAND, TX 79705		9. API Well No. 30-015-43666	
3a. Phone No. (include area code) Ph: 432-818-1801		10. Field and Pool, or Exploratory LEA,BONE SPRING,SOUTH	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 2305FSL 2270FWL At top prod interval reported below 675FSL 362FWL At total depth 675FSL 362FWL		11. Sec., T., R., M., or Block and Survey or Area Sec 3 T19S R30E Mer	
14. Date Spudded 07/17/2017		12. County or Parish EDDY	
15. Date T.D. Reached 09/16/2017		13. State NM	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 09/17/2017		17. Elevations (DF, KB, RT, GL)* 3413 GL	
18. Total Depth: MD TVD 15893		19. Plug Back T.D.: MD TVD 15825	
20. Depth Bridge Plug Set: MD TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CCL, GR		22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)	

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	48.0		476		800			
12.250	9.625 J55	40.0		3968		1100			
8.750	7.000 P110	26.0		7927		2640			
8.750	5.000 P110	17.0		15893					

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	7913							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRINGS	5885	15893	8681 TO 15805			PRODUCING
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
8681 TO 15805	TOTAL ACID 2,496 BBL, TOTAL SAND 10,505,039#

NM OIL CONSERVATION

ARTESIA DISTRICT

DEC 13 2017

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28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/22/2017	12/03/2017	24	→	944.0	1194.0	1883.0			ELECTRIC PUMP SUB-SURFACE
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
							126	POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

Pending BLM approvals will subsequently be reviewed and scanned

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #397335 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. 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.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
QUATERNARY	0	414	SILTSTONE,SALT,ANHYDRITE W	QUATERNARY	0
RUSTLER	414	560	ANHYDRITE,DOLOMITE W	RUSTLER	414
SALADO	560	1935	ANHYDRITE,SALT,DOLO,SS W	SALADO	560
YATES	1935	2294	SS,ANHYDRIT,SILTSTON,DOLO OGW	YATES	1935
SEVEN RIVER	2294	2914	DOLO,SILTSTONE,ANHYDRITE OGW	SEVEN RIVER	2294
QUEEN	2914	3397	SS,ANHYDRITE,DOLO OGW	QUEEN	2914
GRAYBURG	3397	3596	DOLO,SILTSTONE OGW	GRAYBURG	3397
CAPITAN REEF	3596	3850	DOLOMITE,LIMESTONE W	CAPITAN REEF	3596

32. Additional remarks (include plugging procedure):

Delaware Sandstone,Siltstone,Limestone OGW 3850-5885
Bone Springs Limestone,Sandstone OGW 5885 - TD (15,893)

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

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

Electronic Submission #397335 Verified by the BLM Well Information System.
For APACHE CORPORATION, sent to the Carlsbad

Name (please print) EMILY FOLLIS

Title REGULATORY ANALYST

Signature _____ (Electronic Submission)

Date 12/07/2017

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.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

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.
NMNM113962

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on page 28. Well Name and No.
SALT FORK 3-4 FEDERAL COM 2H9. API Well No.
30-015-436661. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
APACHE CORPORATION
Contact: EMILY FOLLIS
E-Mail: Emily.Follis@apachecorp.com3a. Address
303 VETERANS AIRPARK LANE SUITE 1000
MIDLAND, TX 797053b. Phone No. (include area code)
Ph: 432-818-180110. Field and Pool or Exploratory Area
LEO, BONE SPRING, SOUTH NM4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 3 T19S R30E 2305FSL 2270FWL11. County or Parish, State
EDDY COUNTY COUNTY, NM**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Production Start-up
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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.

APACHE COMPLETED THE WELL AS FOLLOWS: RR 09/17/17

TOC@3370'

AC 12-13-17
Accepted for record - NMOCD

10/3/17 MIRU RAIDER TO TEST CASING AND PUMP DFIT. PRESSURE TEST CASING TO 3000 PSI FOR 30 MIN.
FINAL PRESSURE 2970 PSI. TOTAL LEAK OFF 30 PSI. PUMP DFIT RD RAIDER. SDFN.
10/17/17 MIRU PUMPS AND IRON. SAND STILL PRE FILLING. ALL TANKS TREATED AND PRE FILLED. LAY FRAC
GROUND IRON. RIG IN PUMPS AND RESTRAINTS. SPOT DATA VAN. CONTINUE TO FILL SILOS. SPOTTED FUEL
TRANSFER. CONTINUE RIG UP. FRAC WAITING ON DELIVERIES

10/18-10/23/17 FRAC (8681- -15,805') 55 STAGES - PUMPCO

NM OIL CONSERVATION
ARTESIA DISTRICT

14. I hereby certify that the foregoing is true and correct. Electronic Submission #397288 verified by the BLM Well Information System For APACHE CORPORATION, sent to the Carlsbad		DEC 13 2017
Name (Printed/Typed) EMILY FOLLIS	Title REGULATORY ANALYST	RECEIVED
Signature (Electronic Submission)	Date 12/07/2017	

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____	Title _____	Pending BLM approvals will subsequently be reviewed and scanned
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 _____	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowi States any false, fictitious or fraudulent statements or representations as to any matter within its juris		United

(Instructions on page 2)

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Additional data for EC transaction #397288 that would not fit on the form

32. Additional remarks, continued

TOTAL SAND # 10,505,039 lbs
TOTAL ACID 2496 bbl

11/02/17 RIG DOWN MOVE OUT FRAC CREWS
11/03/17 MIRU OIL STATES CRANE UNIT & ND WL FLANGES & FRAC HEAD DOWN TO SWAB VALVE - INSTALLED
NIGHT CAP
11/22/17 FIRST FLOW
11/24-26/17 SWAB WELL
11/28/17 POOH W/ TBG & PKR
11/29/17 RIH W/ESP & TBG
11/30/17 TEST FLOWLINE & START ESP - FINAL REPORT