

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88201
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 ConocoPhillips Company P. O. Box 51810 Midland, TX 79710		² OGRID Number 217817
		³ Reason for Filing Code/ Effective Date
⁴ API Number 30 - 025-43370	⁵ Pool Name MALJAMAR; CB SA YESO, WEST	⁶ Pool Code 44500
⁷ Property Code 38653	⁸ Property Name RUBY FEDERAL	⁹ Well Number 100H

II. 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
B	18	17S	32E		990	NORTH	2260	EAST	LEA

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	17	17S	32E		766	NORTH	2072	EAST	LEA
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date	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
34056	PLAINS MARKETING, L.P. 500 DALLAS, STE 700 HOUSTON, TX	O
221115	FRONTIER FIELD SERVICES 4200 EAST SKELLY DRIVE, STE 700 TULSA, OK	G

IV. Well Completion Data

²¹ Spud Date 06/01/2017	²² Ready Date 11/01/2017	²³ TD 11400' TMD	²⁴ PBTD 11400' TMD	²⁵ Perforations 6451'-11375'	²⁶ DHC, MC NA
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17.5"	13.375"	772'	832 SX (239 BBLS)		
12.25"	9.625"	2067'	688 SX (295 BBLS)		
8.75"	5.5"	11323'	1646 SX (556 BBLS)		
	2.375"	5456'	NA		

V. Well Test Data

³¹ Date New Oil 11/08/2017	³² Gas Delivery Date 11/08/2017	³³ Test Date 11/09/2017	³⁴ Test Length 24 HRS	³⁵ Tbg. Pressure 350#	³⁶ Csg. Pressure 150#
³⁷ Choke Size	³⁸ Oil 342	³⁹ Water 1500	⁴⁰ Gas 153		⁴¹ Test Method

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: Rhonda Rogers

Printed name:
Rhonda Rogers

Title:
Staff Regulatory Technician

E-mail Address:
rogerrs@conocophillips.com

Date: 11/30/2017 Phone: (432)688-9174

OIL CONSERVATION DIVISION

Approved by:

[Signature]

Title:

Petroleum Engineer

Approval Date:

12/15/17

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD

DEC 07 2017

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMLC029405B

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

RECEIVED

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator
CONOCOPHILLIPS COMPANY

Contact: RHONDA ROGERS

E-Mail: rogersr@conocophillips.com

8. Lease Name and Well No.
RUBY FEDERAL 100H3. Address P. O. BOX 51810
MIDLAND, TX 797103a. Phone No. (include area code)
Ph: 432-688-91749. API Well No.
30-025-43370

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface Sec 18 T17S R32E Mer NMP
NWNE 990FNL 2260FELAt top prod interval reported below Sec 18 T17S R32E Mer NMP
NENE 820FNL 1722FEL

At total depth NWNE 566FNL 2072FEL

10. Field and Pool, or Exploratory
MALJAMAR; GB-SA YES, WAST11. Sec., T., R., M., or Block and Survey
or Area Sec 18 T17S R32E Mer NMP12. County or Parish
LEA13. State
NM14. Date Spudded
06/01/201715. Date T.D. Reached
06/18/201716. Date Completed
☐ D & A ☐ Ready to Prod.
11/01/2017

17. Elevations (DF, KB, RT, GL)*

18. Total Depth: MD 11400
TVD 604619. Plug Back T.D.: MD 11400
TVD 604620. Depth Bridge Plug Set: MD
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
SPECTRAL GR22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ 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 J-55	54.5	0	772		832	239	0	
12.250	9.625 J-55	40.0	0	2067		688	295	0	
8.750	5.500 L-80	20.0	0	11323		1646	556	1000	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375		5456						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MALJAMAR;GB-SA	3450	5305	6451 TO 11375			PRODUCING
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
6451 TO 11375	FRAC W/2086005# 100 MESH SAND, 2510410# WHITE, 770780# ALTAS CRC & ACID 90000 GALS 15% HCL

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
11/08/2017	11/09/2017	24	→	342.0	153.0	1500.0			
Choke Size	Tbg. Press. Flwg. 350 SI	Csg. Press. 150.0	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
								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	

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

ELECTRONIC SUBMISSION #396504 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.)
CAPTURED

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
RUSTER	706	884	ANHYDRITIC DOLOMITE	RUSTER	706
SALADO (TOP SALT)	884	1955	HALITE (SALT) AND ANHYDRITE	SALADO (TOP SALT)	884
TANSILL (BASE SALT)	1955	2091	ANHYDRITIC DOLOMITE	TANSILL (BASE SALT)	1955
YATES	2091	2402	ANHYDRITE/DOLOMITE W/INTERBEDD	YATES	2091
SEVEN RIVERS	2402	3011	ANHYDRITE/DOLOMITE W/HALITE (S	SEVEN RIVERS	2402
QUEEN	3011	3450	SANDSTONE AND ANHYDRITIC DOLOM	QUEEN	3011
GRAYBURG	3450	3791	ANHYDRITIC DOLOMITE	GRAYBURG	3450
SAN ANDRES	3791	5305	ANHYDRITIC DOLOMITE	SAN ANDRES	3791

32. Additional remarks (include plugging procedure):

Glorieta 5305 5373 Sandstone
Paddock 5373 5713 Dolomite/Limestone
Blinebry 5713 Dolomite w/interbedded Sandstone

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 #396504 Verified by the BLM Well Information System.
For CONOCOPHILLIPS COMPANY, sent to the Hobbs

Name (please print) RHONDA ROGERSTitle STAFF REGULATORY TECHNICIANSignature (Electronic Submission)Date 11/30/2017

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.
NMLC029405B

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
CONOCOPHILLIPS COMPANYContact: RHONDA ROGERS
E-Mail: rogerr@conocophillips.com8. Well Name and No.
RUBY FEDERAL 100H9. API Well No.
30-025-433703a. Address
P. O. BOX 51810
MIDLAND, TX 797103b. Phone No. (include area code)
Ph: 432-688-917410. Field and Pool or Exploratory Area
MALJAMAR: GB SA *YES*

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

Sec 18 T17S R32E Mer NMP NWNE 990FNL 2260FEL

11. County or Parish, State

LEA 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	
	<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 recomple 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 recomple 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.

THE CORRECT BH LOCATION FOR THIS WELL IS 766 FNL & 2072 FEL. 3160-4 STATED BH @ 566 FNL & 2072 FEL.

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

**Electronic Submission #396515 verified by the BLM Well Information System
For CONOCOPHILLIPS COMPANY, sent to the Hobbs**

Name (Printed/Typed) RHONDA ROGERS

Title STAFF REGULATORY TECHNICIAN

Signature (Electronic Submission)

Date 11/30/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Date

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 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)

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

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.

HOBBS OCD
DEC 11 2017
RECEIVED

5. Lease Serial No.
NMLC029405B

6. If Indian, Allottee or Tribe Name

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
RUBY FEDERAL 100H

2. Name of Operator
CONOCOPHILLIPS COMPANY

Contact: RHONDA ROGERS
E-Mail: rogerr@conocophillips.com

9. API Well No.
30-025-43370

3a. Address
P. O. BOX 51810
MIDLAND, TX 79710

3b. Phone No. (include area code)
Ph: 432-688-9174

10. Field and Pool or Exploratory Area
MALJAMAR; GB-SA

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 18 T17S R32E Mer NMP NWNE 990FNL 2260FEL

11. County or Parish, State
LEA 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
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<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	
	<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 recomple 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 recomple 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.

CONOCOPHILLIPS COMPANY COMPLETED THIS WELL PER ATTACHMENT.
ATTACHED IS A CURRENT WELLBORE SCHEMATIC
ATTACHED IS A DD SURVEY
ATTACHED IS AN "AS DRILLED PLAT"
GAS CAPTURE PLAN ONLINE

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

**Electronic Submission #396469 verified by the BLM Well Information System
For CONOCOPHILLIPS COMPANY, sent to the Hobbs**

Name (Printed/Typed) RHONDA ROGERS

Title STAFF REGULATORY TECHNICIAN

Signature (Electronic Submission)

Date 11/30/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

Title

Date

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.

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(Instructions on page 2)

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

Ruby Federal 100H

30-025-43370

7/26/17 PT PERFORMED ON PRODUCTION CSG TO 7100# HIGH/15 MINS – TEST GOOD.

7/31/17 PERF STAGE 1 F/11,375'-11,236'. ACID PUMP 2000 GALS 15% HCL.

9/26/17 FRAC PERFS W/33950# 100 MESH, 41250# 40/70 WHITE, 26250# 40/70 ATLAS CRC.

PERF STAGE 2 F/11183'-11071'. ACID 3000 GALS 15% HCL. FRAC W/ W/70000# 100 MESH, 87700# 40/70 WHITE, 22200# 40/70 ATLAS CRC.

PERF STAGE 3 F/11018'-10906'. ACID 3000 GALS 15% HCL. FRAC W/ W/70000# 100 MESH, 88125# 40/70 WHITE, 22200# 40/70 ATLAS CRC.

PERF STAGE 4 F/10852'-10741'. ACID 3000 GALS 15% HCL. FRAC W/ W/70000# 100 MESH, 87500# 40/70 WHITE, 22000# 40/70 ATLAS CRC.

PERF STAGE 5 F/10688'-10576'.

9/27/17 ACID 3000 GALS 15% HCL. FRAC W/ W/70000# 100 MESH, 87700# 40/70 WHITE, 22200# 40/70 ATLAS CRC.

PERF STAGE 6 F/10523'-10411'. ACID 3000 GALS 15% HCL. FRAC W/ W/70000# 100 MESH, 87975# 40/70 WHITE, 23000# 40/70 ATLAS CRC.

PERF STAGE 7 F/10358'-10249'. ACID 3000 GALS 15% HCL. FRAC W/ W/70000# 100 MESH, 87500# 40/70 WHITE, 180500# 40/70 ATLAS CRC.

PERF STAGE 8 F/10193'-10083'. ACID 3000 GALS 15% HCL. FRAC W/ W/70000# 100 MESH, 87500# 40/70 WHITE, 23000# 40/70 ATLAS CRC.

PERF STAGE 9 F/10028'-9916'.

9/28/17 ACID 3000 GALS 15% HCL. FRAC W/ W/70000# 100 MESH, 87500# 40/70 WHITE, 23000# 40/70 ATLAS CRC.

PERF STAGE 10 F/9863-9751'. ACID 3000 GALS 15% HCL. FRAC W/ W/70000# 100 MESH, 88100# 40/70 WHITE, 22800# 40/70 ATLAS CRC.

PERF STAGE 11 F/9696'-9586'. ACID 3000 GALS 15% HCL. FRAC W/ W/70000# 100 MESH, 86900# 40/70 WHITE, 22000# 40/70 ATLAS CRC.

PERF STAGE 12 F/9533'-9421'. ACID 3000 GALS 15% HCL. FRAC W/ W/70000# 100 MESH, 87500# 40/70 WHITE, 22000# 40/70 ATLAS CRC.

PERF STAGE 13 F/9366-9256'. ACID 3000 GALS 15% HCL. FRAC W/ W/70000# 100 MESH, 87500# 40/70 WHITE, 14500# 40/70 ATLAS CRC.

PERF STAGE 14 F/9203'-9091'. ACID 3000 GALS 15% HCL. FRAC W/ W/70000# 100 MESH, 87500# 40/70 WHITE, 22000# 40/70 ATLAS CRC.

PERF STAGE 15 F/9038'-8926'. ACID 3000 GALS 15% HCL. FRAC W/ W/70000# 100 MESH, 87420# 40/70 WHITE, 22000# 40/70 ATLAS CRC.

9/29/17 PERF STAGE 16 F/8876'-8761'. ACID 3000 GALS 15% HCL. FRAC W/ W/70000# 100 MESH, 87500# 40/70 WHITE, 22000# 40/70 ATLAS CRC.

PERF STAGE 17 F/8706'-8596'. ACID 3000 GALS 15% HCL. FRAC W/ W/70000# 100 MESH, 87500# 40/70 WHITE, 22000# 40/70 ATLAS CRC.

PERF STAGE 18 F/8540'-8431'. ACID 3000 GALS 15% HCL. FRAC W/ W/70000# 100 MESH, 87640# 40/70 WHITE, 22000# 40/70 ATLAS CRC.

PERF STAGE 19 F/8378'-8268'. ACID 3000 GALS 15% HCL. FRAC W/ W/70000# 100 MESH, 87780# 40/70 WHITE, 22000# 40/70 ATLAS CRC.

PERF STAGE 20 F/8213'-8107'. ACID 3000 GALS 15% HCL. FRAC W/ W/70000# 100 MESH, 87500# 40/70 WHITE, 22000# 40/70 ATLAS CRC.

PERF STAGE 21 F/8048'-7933'. ACID 3000 GALS 15% HCL. FRAC W/ W/70000# 100 MESH, 87500# 40/70 WHITE, 22000# 40/70 ATLAS CRC.

PERF STAGE 22 F/7883'-7771'. ACID 3000 GALS 15% HCL. FRAC W/ W/70000# 100 MESH, 89120# 40/70 WHITE, 22000# 40/70 ATLAS CRC.

9/30/17 PERF STAGE 23 F/7718'-7606'. ACID 3000 GALS 15% HCL. FRAC W/ W/70000# 100 MESH, 88060# 40/70 WHITE, 22000# 40/70 ATLAS CRC.

PERF STAGE 24 F/7553'-7441'. ACID 3000 GALS 15% HCL. FRAC W/ W/70000# 100 MESH, 87500# 40/70 WHITE, 22000# 40/70 ATLAS CRC.

PERF STAGE 25 F/7388'-7276'. ACID 3000 GALS 15% HCL. FRAC W/ W/70000# 100 MESH, 87500# 40/70 WHITE, 22000# 40/70 ATLAS CRC.

PERF STAGE 26 F/7223'-7111'. ACID 3000 GALS 15% HCL. FRAC W/ W/70000# 100 MESH, 87500# 40/70 WHITE, 22000# 40/70 ATLAS CRC.

PERF STAGE 27 F/4058'-6946'. ACID 3000 GALS 15% HCL. FRAC W/ W/70000# 100 MESH, 87120# 40/70 WHITE, 22000# 40/70 ATLAS CRC.

PERF STAGE 28 F/6893'-6781'. ACID 3000 GALS 15% HCL. FRAC W/ W/70000# 100 MESH, 87120# 40/70 WHITE, 22000# 40/70 ATLAS CRC.

PERF STAGE 29 F/6728'-6617'. ACID 3000 GALS 15% HCL. FRAC W/ W/64695# 100 MESH, 97360# 40/70 WHITE, 21040# 40/70 ATLAS CRC.

PERF STAGE 30 F/6563'-6451'.

10/1/17 ACID 3000 GALS 15% HCL. FRAC W/ W/64695# 100 MESH, 97360# 40/70 WHITE, 21040# 40/70 ATLAS CRC.

11/1/17 RIH W/165 JTS 2 7/8", 6.5#, L-80 EUE8RD & SET @ 5456'. RDMO

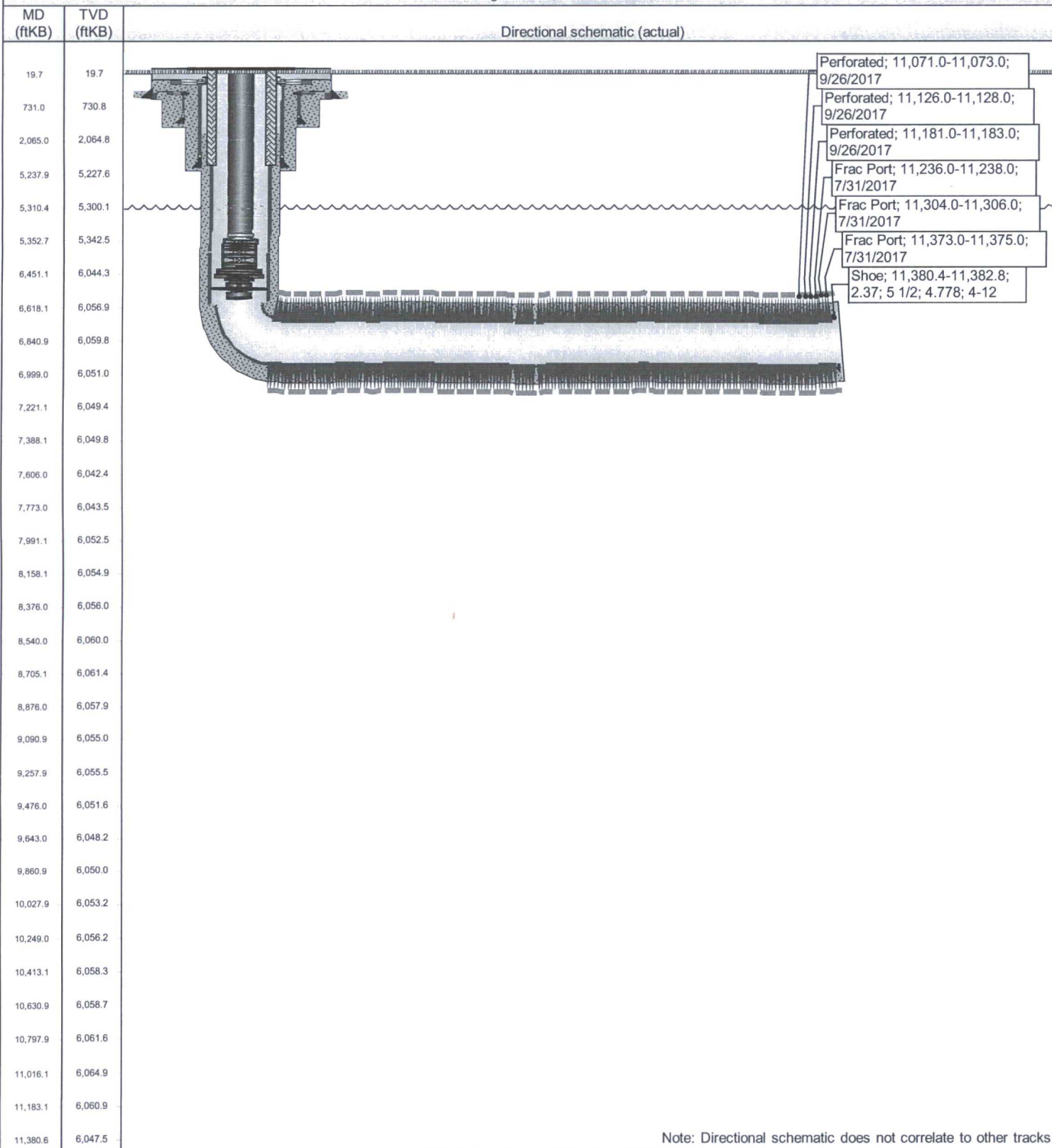


Schematic - Current

RUBY FEDERAL 100H

District PERMIAN CONVENTIONAL	Field Name MALJAMAR	API / UWI 3002543370	County LEA	State/Province NEW MEXICO
Original Spud Date 6/1/2017	Surface Legal Location 018-017S-032E	East/West Distance (ft) 2,260.00	East/West Reference FEL	North/South Distance (ft) 990.00
North/South Reference FNL				

HORIZONTAL - Original Hole, 11/1/2017 7:00:00 AM



Note: Directional schematic does not correlate to other tracks.