

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**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 reverse side.

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.
RUBY FEDERAL 122. Name of Operator
CONOCOPHILLIPS COMPANYContact: SUSAN B MAUNDER
E-Mail: Susan.B.Maunder@conocophillips.com

HOBBS OCD

9. API Well No.
30-025-41008-00-S1

3a. Address

MIDLAND, TX 79710

3b. Phone No. (include area code)
Ph: 281-206-5281

AUG 08 2014

10. Field and Pool, or Exploratory
MALJAMAR

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

Sec 18 T17S R32E NESW 1330FSL 1705FWL

RECEIVED

11. County or Parish, and State
LEA COUNTY, NM**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION

TYPE OF ACTION

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

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 shall 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 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.)

ConocoPhillips Company respectfully requests approval to Downhole Commingle production in this well according to procedures outlined in the attached document entitled, ?Procedure: GB, SA & Yeso Recompletion?.

DAE-4684-0

See COA

Our intent is to commingle the production of this well immediately following a production test. The information will be used to confirm our allocation discussed in the previously submitted document entitled, ?Field Study: Maljamar-Yeso West and Grayburg-San Andres Pools Commingle, Dated: April 23, 2014?. Please refer to this document for discussion supporting this request.

The Field Study has been discussed with Mr. Fernandez, BLM representative, by COP representative Ms. Maunder.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

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

Electronic Submission #249552 verified by the BLM Well Information System
For CONOCOPHILLIPS COMPANY, sent to the Hobbs

Committed to AFMSS for processing by CATHY QUEEN on 06/19/2014 (14CQ0115SE)

Name (Printed/Typed) SUSAN B MAUNDER

Title SENIOR REGULATORY SPECIALIST

Signature (Electronic Submission)

Date 06/13/2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By EDWARD FERNANDEZ

Title PETROLEUM ENGINEER

Date 08/05/2014

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 Hobbs

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.

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

AUG 11 2014

fm

Additional data for EC transaction #249552 that would not fit on the form

32. Additional remarks, continued

COPC will include an updated allocation with the subsequent report. Furthermore, COPC will update our field study to include an economic summary of the commingled production and submit separately.

Attached supporting documents include:

- Procedure: GB, SA & Yeso Recompletion
- Wellbore Diagram
- C-102 for each zone to be commingled
- BLM ? Downhole Commingling Worksheet

Thank you for your time in reviewing this request. Your efforts are appreciated.



Procedure: GB, SA & Yeso Recompletion

PLEASE USE NEW DOWNHOLE EQUIPMENT

- 127 joints 2-7/8", 6.5lb/ft, j-55 grade
 - 80 joints sucker rod 7/8" SPCL APP
 - 69 joints sucker rod 3/4" SPCL APP
 - 14 joints sinker bar 1 1/2" Grade C
 - 1 rod insert pump Don-nan sand Diverter 1 3/4"
1. Before the arrival of the rig, kill the well with fresh water.(turn off BPU)
 2. Before the frac date spot 14 clean 500 bbl frac tanks
 3. Make sure project supervisor has casing collar log on location
 4. Conduct safety meeting with JSA with all personnel and contractors on location
 5. Nipple down well head, Rig up pulling unit.
 6. Pull out of hole with rods & pump, inspect rods for wear and replace as necessary. send rods to TRC for inspection & pump to Don nan. Inspection report to be sent to **Michael.Sendze@conocophillips.com**, contact: 432 238 7537
 7. Nipple up BOP, & pull out of hole with production tubing, laying down tubing on tubing racks. send tubing to tuboscope for inspection. Inspection report to be sent to **Michael.Sendze@conocophillips.com**, contact: 432 238 7537
 8. Pick up & Run in hole with 173 joints of 2-7/8", 6.5#, N-80 work string, 4-3/4" bit and bit scrapper to 5360ft
 9. Pull out of hole with work string and bit
 10. Pick up & Run in hole with work string & 10K composite BP. Set CBP at 5350ft. (upper most paddock perforation: 5390ft). test work string to 6500 psi running in the hole. Check casing collar logs to make sure we don't set BP on a collar.
 11. Circulate well to PBD=5300ft with fresh water down 5-1/2", 17#, L-80 casing
 12. Close pipe rams and test bridge plug to 4800 psi surface pressure. If it holds then proceed.
 13. Raise work string to 5200ft

14. Spot 1000 gals of 15% NE Fe HCL
Acid column (4200ft-5200ft)
perfs (4765ft-5130ft)
15. Rig up SLB perforating Services
16. Perforate at the below depths perforate at the uppermost perfs first

Perforating gun required: 3-3/8 "SLB power jet HMX 3406 22.7g EHD 0.36"

zone	top	bottom	feet	SPF	phase angle	shots
SA10	4765	4774	9	1	60	9
SA10	4797	4808	11	1	60	11
SA10	4833	4843	10	1	60	10
SA10	4858	4866	8	1	60	8
SA10	5017	5020	3	1	60	3
SA10	5040	5046	6	1	60	6
SA10	5067	5073	6	1	60	6
SA10	5078	5092	14	1	60	14
SA10	5119	5130	11	1	60	11

17. Rig down SLB perforating services
18. Pump 35 bbl of fresh water down 5-1/2", 17#, I-80 casing. Record ISIP, SITP 5 mins, 10 mins, 15 mins
19. Nipple up 10K Frac stack and Halliburton Frac Service provider
 - Set treating lines pop off 4800 psi
 - Set pump trips 4500 psi
 - Test surface lines 5500 psi
20. Frac the SA10, 4765ft to 5130 ft, ONE STAGE FRAC & frac down casing.
 - Acidize 4765-5130 (78 perforations) with 100 bbls (42000 gal) of 15% NE Fe HCL & 120 ball scalers (1.1 sg)
 - Acid treating rate 20 BPM down 5-1/2" 17lb/ft casing
 - Pump 10 bbl of 15% FE Ne HCL acid,
 - Pump 100 bbls of 15% FE Ne HCL, with 120 balls, i.e 1 ball per barrel
 - Then pump 10 bbls of 15% FE Ne HCL
 - Then pump 100 bbl of fresh water (20 BPM)
 - Proceed to Frac SA10 4765ft to 5130ft. Frac treating rate 50 BPM

1-8	Proppant Laden Fluid	IN	Delta Frac 140 - R (17)	50	11000	Premium White-20/40	1	11000
1-9	Proppant Laden Fluid	IN	Delta Frac 140 - R (17)	50	10000	Premium White-20/40	2	20000
1-10	Proppant Laden Fluid	IN	Delta Frac 140 - R (17)	50	9000	Premium White-20/40	3	27000
1-11	Proppant Laden Fluid	IN	Delta Frac 140 - R (17)	50	9000	Premium White-20/40	4	36000
1-12	Proppant Laden Fluid	IN	Delta Frac 140 - R (17)	50	5200	Premium White-20/40	5	26000
1-13	Proppant Laden Fluid	IN	Delta Frac 140 - R (17)	50	6400	CRC-20/40	5	32000
1-14	Flush	IN	Water Frac G - R (8)	50	4830		0	0
Totals					94430			160000

Casing (Surface)								
Tri-Stage	Stage Desc.	Flow Path	Fluid Desc.	Rate- Liq+Prop	Clean Vol.	Proppant	Proppant Conc.	Prop. Mass
1-1	Load Well	IN	Treated Water	5	500		0	0
1-2	Acid Ball Out	IN	15% Ferchek SC Acid (0.3%)	30	5000		0	0
1-3	Displacement	IN	Treated Water	20	6500		0	0
1-4	Pad	IN	Delta Frac 140 - R (17)	50	4000		0	0
1-5	Proppant Laden Fluid	IN	Delta Frac 140 - R (17)	50	8000	Common White-100 Mesh, SSA-2	0.25	2000
1-6	Pad	IN	Delta Frac 140 - R (17)	50	3000		0	0
1-7	Proppant Laden Fluid	IN	Delta Frac 140 - R (17)	50	12000	Premium White-20/40	0.5	6000
1-8	Proppant Laden Fluid	IN	Delta Frac 140 - R (17)	50	11000	Premium White-20/40	1	11000
1-9	Proppant Laden Fluid	IN	Delta Frac 140 - R (17)	50	10000	Premium White-20/40	2	20000
1-10	Proppant Laden Fluid	IN	Delta Frac 140 - R (17)	50	9000	Premium White-20/40	3	27000
1-11	Proppant Laden Fluid	IN	Delta Frac 140 - R (17)	50	9000	Premium White-20/40	4	36000
1-12	Proppant Laden Fluid	IN	Delta Frac 140 - R (17)	50	5200	Premium White-20/40	5	26000
1-13	Proppant Laden Fluid	IN	Delta Frac 140 - R (17)	50	6400	CRC-20/40	5	32000
1-14	Flush	IN	Water Frac G - R (8)	50	4830		0	0
Totals					94430			160000

21. Record ISIP, 5 min, 10 min and 15 mins in well view
22. Rig down frac service provider (Halliburton).
23. Let resin coated sand (CRC-20/40) sit for 24 hours till we flow back
24. Flow back the well till its dead
25. Move in with Rig and Rig up
26. Pick up & Run in hole with 4-3/4" bit & 171 joints of 2-7/8", N-80, 6.5lb/ft work string, clean out any sand to PBD=5300ft with fresh water
27. Pick up & Run in hole with New 2-7/8 J-55 production tubing & new static sparktek pressure gauge. Test production tubing to 5000 psi. pump 5 gal of corrosion inhibitor (champion-cortonR-2525; SG 0.91)
28. Nipple down BOP, Run in hole with new rods & pump. (see pre-pull attached on the next page)

29. In case of any problems with Sparktek gauge contact Elby Bothe (432)-580-8200 with precision pressure data
30. Space out pump, hang well on, Turn on BPU & Test pump action; wait for tubing to pressure up then shut down pump. **Rig down & Release rig**
31. Shut in well for 48 hours.
32. Start well, run well for **60 days. Another procedure and prepull will be sent out for the next phase.**
33. Place well on test
34. please obtain static & producing fluid level put data in advocet

Proposed Rod and Tubing Configuration

RUBY FEDERAL 12

VERTICAL - Original Hole, 4/3/2014 9:33:52 AM			Tubing Description				Set Depth (ftKB)			
			Proposed Tubing - Production				5,172.4			
D (ft KB)	Vertical schematic (actual)	Vertical schematic (proposed)	Jts	Item Des	OD Nominal (in)	Nominal ID (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
	3-3; FLUTED HANGER; 5 1/2; 4.892; 13.6; 1.30	2-1; Polished Rod SM; 1 1/2; 11.6; 26.00	147	Tubing	2 7/8	2.441	6.50	J-55	4,630.00	4,643.6
	2-3; CASING HANGER; 8 5/8; 8.097; 13.6; 2.00	2-2; Sucker Rod; 7/8; 14.4; 1,475.00	1	Tubing Marker Sub	2 7/8	2.441	6.50	J-55	8.10	4,651.7
	3-4; PUP JOINT; 5 1/2; 4.892; 14.9; 3.85	2-3; Sucker Rod 3 guides/rod; 7/8; 1,489.4; 925.00	2	Tubing	2 7/8	2.441	6.50	J-55	61.66	4,713.4
	2-4; CASING PUP JOINT; 8 5/8; 8.097; 15.6; 3.25	2-1; Tubing; 2 7/8; 2,441; 1,435.00	1	Anchor 5 1/2 X 2 7/8	4.995	2.441			2.75	4,716.1
	1-1; Casing Joints; 16; 15.250; 13.6; 61.40	2-4; Sucker Rod 3 guides/rod; 3/4; 2,414.4; 1,175.00	13	Tubing	2 7/8	2.441	6.50	J-55	401.50	5,117.6
	2-5; Casing Joints; 8 5/8; 8.097; 18.9; 643.22	2-5; Sucker Rod; 3/4; 2,389.4; 1,225.00	1	Tubing TK 99	2 7/8	2.441	6.50	J-55	32.38	5,150.0
	2-6; FLOAT COLLAR; 8 5/8; 8.097; 662.1; 1.52	2-2; Tubing Marker Sub; 2 7/8; 2,441; 1,435.00	1	Pump Seating Nipple	2 7/8	2.280			1.10	5,151.1
	2-7; Casing Joints; 8 5/8; 8.097; 663.6; 40.45	2-3; Tubing; 2 7/8; 2,441; 1,435.00	1	Perf Sub	2 7/8	2.441	6.50	J-55	2.10	5,153.2
	2-8; GUIDE SHOE; 8 5/8; 8.097; 704.0; 0.70	2-4; Anchor 5 1/2 X 2 7/8; 5.00; 2,441; 4,713.4; 2.75	1	Tubing Sub	2 7/8	2.441	6.50	J-55	10.00	5,163.2
	3-5; Casing Joints; 5 1/2; 4.892; 18.8; 3,480.62	Perforated; 4,765.0-4,774.0; 3/17/2014	1	Blanking Plug	2 7/8		6.50	J-55	2.00	5,165.2
	3-6; MARKER JOINT; 5 1/2; 4.892; 3,499.4; 40.40	Perforated; 4,797.0-4,806.0; 3/17/2014	1	Perf Memory Gauge Carrier/2 gauges	2 7/8				6.60	5,171.8
	3-7; Casing Joints; 5 1/2; 4.892; 3,539.8; 1,865.68	Perforated; 4,833.0-4,843.0; 3/17/2014	1	Bull Plug	2 7/8				0.60	5,172.4
	Perforated; 5,390.0-5,400.0; 6/11/2013	2-6; Sinker Bar; 1 1/2; 4,814.4; 50.00								
	3-8; MARKER JOINT; 5 1/2; 4.892; 5,405.5; 40.05	Perforated; 4,858.0-4,866.0; 3/17/2014								
	Perforated; 5,430.0-5,440.0; 6/11/2013	2-7; Pony Rod Guided; 7/8; 4,804.4; 2.00								
	Perforated; 5,734.0-5,754.0; 6/11/2013	2-8; Sinker Bar; 1 1/2; 4,866.4; 50.00								
	Perforated; 6,075.0-6,095.0; 6/11/2013	2-5; Tubing; 2 7/8; 2,441; 1,435.00								
	3-9; Casing Joints; 5 1/2; 4.892; 5,445.5; 1,374.77	2-9; Pony Rod Guided; 7/8; 4,900.4; 2.00								
	Perforated; 6,309.0-6,329.0; 3/17/2014	2-10; Sinker Bar; 1 1/2; 4,918.4; 50.00								
	Perforated; 6,309.0-6,329.0; 6/10/2013	2-11; Pony Rod Guided; 7/8; 4,970.4; 50.00								
	3-10; Casing Joints; 5 1/2; 4.892; 6,820.3; 43.00	Perforated; 5,017.0-5,020.0; 3/17/2014								
	3-11; FLOAT COLLAR; 5 1/2; 4.892; 6,863.3; 1.50	2-13; Pony Rod Guided; 7/8; 5,020.4; 2.00								
	3-12; Casing Joints; 5 1/2; 4.892; 6,864.8; 41.55	Perforated; 5,040.0-5,046.0; 3/17/2014								
	3-13; FLOAT SHOE; 5 1/2; 4.892; 6,906.3; 1.50	2-14; Sinker Bar; 1 1/2; 5,024.4; 50.00								
		Perforated; 5,067.0-5,073.0; 3/17/2014								
		2-15; Pony Rod Guided; 7/8; 5,072.4; 2.00								
		Perforated; 5,078.0-5,092.0; 3/17/2014								
		2-16; Sinker Bar; 1 1/2; 5,074.4; 50.00								
		Perforated; 5,118.0-5,133.0; 3/17/2014								
		2-17; Pony Rod Guided; 7/8; 5,124.4; 2.00								
		2-18; Back off coupling; 1 1/2; 5,126.4; 0.52								
		2-6; Tubing TK 99; 2 7/8; 2,441; 1,435.00								
		2-44; 5,117.6; 32.38								
		2-19; Rod Insert Pump w/sand diverter; 2; 5,127.0; 24.00								
		2-7; Pump Seating Nipple; 2 7/8; 2,280; 5,150.0; 1.10								
		2-8; Perf Sub; 2 7/8; 2,441; 5,151.1; 2.10								
		2-9; Tubing Sub; 2 7/8; 2,441; 5,153.2; 10.00								
		2-10; Blanking Plug; 2 7/8; 5,163.2; 2.00								
		2-11; Perf Memory Gauge Carrier/2 gauges; 2 7/8; 5,165.2; 6.60								
		2-12; Bull Plug; 2 7/8; 5,171.8; 0.60								
		Bridge Plug - Permanent; 5; 5,350.0-5,353.0								
			Rod Description				Set Depth (ftKB)			
			proposed rods				5,151.0			
Jts	Item Des	OD (in)	API Grade	Len (ft)	Btm (ftKB)					
1	Polished Rod SM	1 1/2		26.00	14.4					
59	Sucker Rod	7/8	SPCL APP	1,475.00	1,489.4					
37	Sucker Rod 3 guides/rod	7/8	SPCL APP	925.00	2,414.4					
47	Sucker Rod 3 guides/rod	3/4	SPCL APP	1,175.00	3,589.4					
49	Sucker Rod	3/4	SPCL APP	1,225.00	4,814.4					
2	Sinker Bar	1 1/2	C	50.00	4,864.4					
1	Pony Rod Guided	7/8	D Spec KD	2.00	4,866.4					
2	Sinker Bar	1 1/2	C	50.00	4,916.4					
1	Pony Rod Guided	7/8	D Spec KD	2.00	4,918.4					
2	Sinker Bar	1 1/2	C	50.00	4,968.4					
1	Pony Rod Guided	7/8	D Spec KD	2.00	4,970.4					
2	Sinker Bar	1 1/2	C	50.00	5,020.4					
1	Pony Rod Guided	7/8	D Spec KD	2.00	5,022.4					
2	Sinker Bar	1 1/2	C	50.00	5,072.4					
1	Pony Rod Guided	7/8	D Spec KD	2.00	5,074.4					
2	Sinker Bar	1 1/2	C	50.00	5,124.4					

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
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

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 30-025-41008	² Pool Code 43329	³ Pool Name Maljamar; Grayburg, San Andres
⁴ Property Code	⁵ Property Name Ruby Federal	⁶ Well Number 12
⁷ OGRID No. 217817	⁸ Operator Name ConocoPhillips Company	⁹ Elevation 3952'

¹⁰ Surface Location

UL or lot no. K	Section 18	Township 17S	Range 32E	Lot Idn	Feet from the 1330	North/South line South	Feet from the 1705	East/West line West	County Lea
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. N	Section 18	Township 17S	Range 32E	Lot Idn	Feet from the 867	North/South line South	Feet from the 1614	East/West line West	County
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¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. NSL-6979, DHC-Pending
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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.

	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>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 unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this 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.</p> <p><i>Susan B. Maunder</i> 5/30/14 Signature Date</p> <p>Susan B. Maunder Printed Name Susan.B.Maunder@conocophillips.com E-mail Address</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>Date of Survey Signature and Seal of Professional Surveyor:</p>
	<p>Certificate Number</p>

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
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

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 30-025-41008	² Pool Code 44500	³ Pool Name Maljamar; Yeso West
⁴ Property Code 38653	⁵ Property Name Ruby Federal	
⁷ OGRID No. 217817	⁸ Operator Name ConocoPhillips Company	
		⁶ Well Number 12
		⁹ Elevation 3952'

¹⁰ Surface Location

UL or lot no. K	Section 18	Township 17S	Range 32E	Lot Idn	Feet from the 1330	North/South line South	Feet from the 1705	East/West line West	County Lca
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no. N	Section 18	Township 17S	Range 32E	Lot Idn	Feet from the 867	North/South line South	Feet from the 1614	East/West line West	County
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¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. NSL-6979, DHC-Pending
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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.

¹⁶ 	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 unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this 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. Signature: <u>Susan B. Maunder</u> Date: <u>5/30/14</u> Printed Name: Susan B. Maunder E-mail Address: Susan.B.Maunder@conocophillips.com
	¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey: Signature and Seal of Professional Surveyor:
	Certificate Number

BLM - Downhole Commingling Worksheet

Operator: ConocoPhillips Company				
Lease/Well Name/Location: NMLC029405B/ Ruby Federal #12/ UL K, Sec. 18, 17S, 32E				
Data	Formation One	Formation Two	Formation Three	Estimated Combined Production
Pool Name	Maljamar; Grayburg-San Andres	NA	Maljamar; Yeso West	--
Pool Code	38653	--	44500	--
State Form C-102 with dedicated acres provided	Yes	--	Yes	--
Formation Name	Grayburg-San Andres	--	Yeso	--
Top & Bottom of Pay Section (perforated or open-hole interval)	4765 - 5130' perforated	--	5390 - 6329' perforated	--
Method of production	Artificial Lift	--	Artificial Lift	--
Bottom Hole Pressure (Pinitial, reservoir & Pbottom hole, current)	Pi,r = 1733 Pbh = 800 psi	--	Pi,r = 2600 Pbh = 1300 psi	--
Reservoir Drive mechanism	Combination (Solution gas & water drive)	--	Combination (Solution gas & water drive)	--
Oil gravity and/or BTU	38.1	--	38.2	38.2
Average Sulphur Content (Wt%)	0.7069	--	0.6261	0.658
Oil Sample Analysis provided	yes	--	yes	--
Gas Analysis Provided	yes	--	yes	--
Produced Water Analysis provided	no	--	no	--
H2S present	5000 ppm	--	8 ppm	1028 ppm* (Results show most of the gas production from Yeso; also have a larger percentage of the total production)
Producing, Shut-in or New Zone	Producing	--	Shut in below BP	--
Date and Oil/Gas/Water rates of last production	Date: estimate 20 bopd/50 Mcfd/100 bwpd	--	Date: 05/13/14 37 bopd /14 Mcfd/ 335 bwpd	Oil/Gas/Water 57 / 64 / 435
Average decline% (provide back up data)	See Field Study	--	See Field Study	--
Fixed Allocation Percentage	Oil: 35% Gas: 78%	--	Oil: 65% Gas: 22%	--
Remarks: *For H2S calculation used following numbers: GBSA production share (0.4), GOR (1.8 Mcf/Stb), H2S (5000 ppm) & Yeso production share (0.6), GOR (4.5), H2S (8ppm)				
Operator Signature: <i>Susan B. Maunden</i>				
Date: <i>6-3-14</i>				

Attached Supporting Documents:

- State Form C-102 with dedicated Acres Provided
- Oil Sample Analysis provided (must be current)
- Gas Analysis provided (must be current)
- Produced Water Analysis provided (must be current)
- Any additional supporting data (i.e. offset well production and decline curves, etc)

Conditions of Approval

Ruby Federal 12

30-025-41008

ConocoPhillips

August 6, 2014

- 1. Step 32 of operator's procedure; Operator to test well a minimum of 90 days.**
- 2. Operator to submit another NOI Sundry (with actual well production data) to remove CBP at approximately 5350 and DHC.**
- 3. Surface disturbance beyond the existing pad must have prior approval.**
- 4. Closed loop system required.**
- 5. A minimum of a 2000 (2M) BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (2M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.**
- 6. Subsequent sundry and Completion report with well test and wellbore schematic required.**
- 7. Work to be completed in 90 days.**

EGF 080614