	DE	UNITED STATES	NTERIOR	OCD HOBE		FORM A • OMB NC	PPROVED . 1004-0135 uly 31, 2010	
		JREAU OF LAND MANA	GEMENT RTS ON WE	وي. ۱۱۹		5. Lease Serial No. NMI C029405B	uly 51, 2010	
	Do not use thi abandoned wel	s form for proposals to I. Use form 3160-3 (API	drill or to re- D) for such p	enter an roposals.		6. If Indian, Allottee or	Tribe Name	
	SUBMIT IN TRII	PLICATE - Other instruc	tions on rev	erse side.		7. If Unit or CA/Agree	nent, Name and/or No.	
1. Type of Well						8. Well Name and No. RUBY FEDERAL 2	24 (
2. Name of Opera CONOCOPI		Contact: IY < E-Mail: Susan.B.M	SUSAN B MA		CD	9. API Well No. 30-025-41205-00)-S1 (
3a. Address	<u> </u>		3b. Phone No	(include area code)	10. Field and Pool, or F	Exploratory	
MIDLAND, T	TX 79710	D. M. an Survey Dependent		AUG 08	. 2017			
4. Eccation of we Sec 18 T175 32.500158 N	8 R32E NESW 23 N Lat, 103.483287	10FSL 1650FWL W Lon	, T	RECT	EIVED	LEA COUNTY, N	IM	
1	2. CHECK APPF	ROPRIATE BOX(ES) TO) INDICATE	NATURE OF	NOTICE, RE	PORT, OR OTHER	DATA	
TYPE OF S	UBMISSION	· · · · · · · · · · · · · · · · · · ·		ТҮРЕ О	F ACTION	•		
Notice of I	ntent		Dee	pen T	Product	on (Start/Resume)	□ Water Shut-Off	
🗖 Subsequen	t Report	Alter Casing		ture Treat	Reclam	lete	Well Integrity	
Final Abar	donment Notice	Change Plans		and Abandon	Tempor	arily Abandon	Subsurface Commingli	
	•	Convert to Injection		Back	U Water D	visposal	ng	
ConocoPhill according to Recompletic Our intent is information entitled, ?Fie 23, 2014?. F	ips Company resp procedures outlin on?. to commingle the will be used to cor eld Study: Maljama Please refer to this	pectfully requests approva ed in the attached docurr production of this well im firm our allocation discus ar-Yeso West and Graybu document for discussion	a to Downhold nent entitled, DHC mediately fol sed in the pre- urg-San Andra supporting th	Commingle pr Procedure: GB - 4687 owing recomple eviously submittes Pools Commis request.	oduction in th i, SA & Yeso detion. The ed document ingle, Dated:	April	UED A	
The Field St Ms. Maunde	udy has been disc er. S	CUSSED WITH Mr. Fernande EE ATTACHED B ONDITIONS OF	Z, BLM repre OR APPROV	sentative, by CC	DP represent	APPR	Formand 6 2014	
14. I hereby certif	fy that the foregoing is	true and correct. Electronic Submission # For CONOCO mmitted to AFMSS for pro	249561 verifie PHILLIPS CO cessing by C/	d by the BLM We MPANY, sent to ATHY QUEEN on	ell Information the Hobbs 06/19/2014 (1	System 4CQ0142SE	LAND MANAGEMENI	
	(Typed) SUSAN B	MAUNDER		Title SENIO	R REGULAT	ORYSPECIALISTS	bre	
Name(Printed)							•	
Name <i>(Printedr</i> Signature	(Electronic S	Submission)		Date 06/13/2	2014			
Name(Printed) Signature	(Electronic S	Submission) THIS SPACE FC	DR FEDERA	Date 06/13/2	OFFICE U	SE		
Name(Printed) Signature Approved_By_E[(Electronic S	DEZ	DR FEDERA	Date 06/13/2	OFFICE U	SE	Date 08/06/2014	
Name (Printed) Signature Approved By EE Conditions of appro- sertify that the appli which would entitle	(Electronic S OWARD EERNAN val, if any, are attache cant holds legal or equ the applicant to condu	Bubmission) THIS SPACE FC DEZ d. Approval of this notice does nitable title to those rights in the interpretations thereon.	DR FEDERA not warrant or e subject lease	Date 06/13/2	OFFICE U	SE EER	Date 08/06/2014	
Name (Printed, Signature Approved By EL Conditions of appro vertify that the appli which would entitle Fitle 18 U.S.C. Sect States any false, fi	(Electronic S OWARD FERNAN val, if any, are attache cant holds legal or equ the applicant to condu ion 1001 and Title 43 ictitious or fraudulent s	Bubmission) THIS SPACE FC DEZ d. Approval of this notice does intable title to those rights in the ict operations thereon. U.S.C. Section 1212, make it a statements or representations as	DR FEDERA not warrant or e subject lease crime for any pe to any matter w	Date 06/13/2 L OR STATE TitlePETROLE Office Hobbs rrson knowingly and ithin its jurisdiction	OFFICE U	SE	Date 08/06/2014 agency of the United	
Name (Printed, Signature _Approved_By_EE Conditions of appro :ertify that the appli vhich would entitle Fitle 18 U.S.C. Sect States any false, fi	(Electronic S <u>DWARD FERNAN</u> val, if any, are attache cant holds legal or equ the applicant to condu ion 1001 and Title 43 ictitious or fraudulent s ** BLM REV	Bubmission) THIS SPACE FC DEZ d. Approval of this notice does intable title to those rights in the tet operations thereon. U.S.C. Section 1212, make it a statements or representations as ISED ** BLM REVISEI	DR FEDERA not warrant or e subject lease crime for any pe to any matter w	Date 06/13/2 L OR STATE TitlePETROLE Office Hobbs rson knowingly and ithin its jurisdiction EVISED ** BLI	OFFICE U	SE ER ike to any department or ** BLM REVISED	Date 08/06/2014 agency of the United	

N

AUG	1	1	2014	
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Additional data for EC transaction #249561 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 Email from NM OCD approving Downhole Commingle

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

ConocoPhillips

Procedure: GB, SA & Yeso Recompletion

PLEASE USE NEW DOWNHOLE EQUIPMENT

- 169 joints 2-7/8", 6.5lb/ft, j-55 grade
- 93 joints sucker rod 7/8" SPCL APP
- 108 joints sucker rod 3/4" SPCL APP
- 14 joints sinker bar 1 1/2" Grade C
- 1 rod insert pump Don nan sand Diverter 2"
- 1. Before the arrival of the rig, turn off the BPU, well should be dead. If it isn't then kill the well with fresh water.
- 2. Before the frac date spot 14 clean 500 bbl. frac tanks
- 3. Please make sure project supervisor has casing collar logs on location
- 4. Conduct safety meeting with JSA with all personnel and contractors on location
- 5. Rig up, Nipple down well head.
- 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
- 8. Pick up & Run in Hole with 145 joints of 2-7/8", 6.5lb/ft, N-80 work string and 10K CBP and set 10K CBP (casing size: 5-1/2" 17 lb/ft L-80) set CBP at 4500 ft, (uppermost paddock perforation is at 5400ft).
 Test work string going in the hole to max casing pressure of 6500psi check casing collar log to

Test work string going in the hole to max casing pressure of 6500psi check casing collar log to make sure we do not set plug on a collar

- 9. Close pipe rams and Test Bridge plug to 4800 psi surface pressure. If it holds then proceed.
- Raise work string to 4400 ft., & spot 1000 gals (24 bbl.) of 15% NE Fe HCL, Acid column (3500 ft-4500 ft.) Perforations (3765 ft-4090 ft.)
- 11. Pull out of hole with work string laying down work string, rig down & release rig
- 12. Rig up SLB perforating services, perforate at the below depths. Perforate at the uppermost perf first

Ruby Federal 24

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

	Ruby	Federal 24				
Zone ,	Тор	Bottom	Feet	SPF	Phase angle	shots
SA 7	3765	3785	20	2	60	40
SA 7	3804	3826	22	2	60	44
SA 7	3875	3880	5	2	60	10
SA 9	4027	4037	10	2	60	20
SA 9	4065	4073	8	2	60	16
SA 9	4080	4090	10	2	60	20
						150

Rig down SLB perforating services.

Pump acid with rubber ball sealers using the schedule below (step 13)

13. Acid treating rate 20 BPM, Acid required 7140 gals

- pump 10 bbl.(420 gals) of 15% NE Fe HCL,
- 150 bbl. (6300 gals) of 15% NE Fe HCL with 200 rubber ball sealers (1 barrel per perf)
- 10 bbl. (420 gals) of 15% NE Fe HCL. I.e. pump at 20BPM,
- Pump acid till we acid ball out.
- 14. Pump 100 bbl of fresh water down casing after acid ball out. Record ISIP, SITP 5 mins, 10 mins, 15 mins
- 15. Run in hole with wire line and 10K CBP set CBP at 3720 ft. then pull out of hole with wire line check casing collar log to make sure we do not set plug on a collar.
- 16. Close pipe rams and test bridge plug to 4800psi surface pressure (6611 psi BHP). If it holds then proceed, if it doesn't reset 10K CBP (check casing collar log to make sure we are not on a collar)

Rig up SLB perforating services and perforate the zones below, perforate the top perfs first

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

	Ruby Fed	Ruby Federal 24								
Zone	Тор	Bottom	Feet	SPF	Phase angle	shots				
GB 4	3487	3494	7	2	60	14				
GB 5	3558	3568	10	2	60	20				
GB6	3619	3627	8	2	60	16				
GB6	3662	3667	5	2	60	10				
GB6	3683	3694	11	2	60	22				

- 17. Pull out of hole with perforating guns and and rig down SLB perforating services
- 18. Nipple up 10k Frac stack and Frac Halliburton service provider
 - Set treating lines pop off 4800psi
 - Set pump trips 4500 psi
 - Test surface lines 5500psi
- 19. Frac the GB 4, 5 and 6, 3487ft to 3694ft (207ft), ONE STAGE FRAC & Frac down casing
 - Acidize 3487ft to 3694 ft (82 perforations) with 100 bbls (4200 gals) of 15% NE Fe HCL & 100 ball sealers (1.1 sg)
 - Acid treating rate 20 BPM down 5-1/2" 17 lb/ft casing
 - Pump 10 bbl (420 gals) of 15% FE Ne HCl acid,
 - Pump 80 bbls (3360 gals) of 15% FE Ne HCL, with 100 balls (1 barrel per perf)
 - Then pump 10 bbls (420 gals) of 15% FE Ne HCL
 - Pump 100 bbl of fresh water (20 BPM)
 - Proceed to Frac the GB 4, 5 & 6. 3487ft to 3694ft. Frac treating rate 50BPM
 - down 5-1/2" 17lb/ft casing with the Frac

Use the schedule below from Halliburton to frac. Frac procedure is attached at the end of this procedure

			Ca	sing (Surl	ace)			
Trt-Stage	Stage Desc.	Flow Path	Fluid Desc.	Rate-	Clean Vol.	Proppant	Proppant	Prop. Mass
1-1	Load Well	IN	Treated Water	5	500		D	D
1-2	1-2 Acid Ball Out IN		15% Ferchek SC Acid (0.3%)	20	5000	, ,	0	C
1-3	Displacement	IN	Treated Water	20	6500		0	0
1-4	Pad	IN .	Delta Frac 140 - R (17)	40	4080		0	C
1-5	Proppant Laden Fluid	IN	Delta Frac 140 - R (17)	40	8000	Common White-100 Mesh, SSA-2	0.25	2000
1-6	Pad	IN	Delta Frac 1'40'- R (17)	40	3000		0	0
1-7	Proppant Laden Fluid	IN	Delta Frac 140 - R (17)	40	12000	Premium White-20/40	0.5	6000
1-9	Proppant Laden Fluid	IN	Delta Frac 140 - R (17)	40	11000	Premiüm White-20/40	1	11000
1-9	Proppant Laden Fluid	IN	Delta Frac 140 - R (17)	40	10000	Premium White-20/40	2	20000
1-10	Proppant Laden Fluid	IN	Délta Frac 140 - R (17)	40	9000	Premium White-20/40	3	27000
1-11	Proppant Laden Fluid	IN	Deita Frac 140 - R (17)	40	9000	Premium White-20/40	4	36000
1-12	Proppant Laden Fluid	IN	Delta Frac 140 - R (17)	40	5200	Premium White-20/40	5	26000
1-13	Proppant Laden Fluid	IN	Delta Frac 140 - R (17)	40	€400	CRC-20/40	5	32000
1-14	Flush	IN	Water Frac G - R (S)	.40	3400		۵	0
Totals					2 % \$93000 °C***	1		160000

- 20. Record ISIP, SITP 5 min, 10 min and 15 mins in well view
- 21. Rig down frac service provider (Halliburton).
- 22. Let resin coated sand (CRC-20/40) sit for 24 hours till we flow back
- 23. Flow back the well till its dead
- 24. Move in with Rig & Rig up
- 25. Pick up & Run in hole with 120 joints of 2-7/8", 6.5 lb/ft, J-55 work string, 4-3/4" drill bit, (6) 28 lb/ft drill collars to first plug at 3720ft & drill out plugs below with 10 ppg.

Plug Location	depth
Between GB &SA7	3720 ft
Between SA7 & yeso	5000 ft

- 26. Once on bottom circulate on bottom for 2 hours. Watch and report in well view any sand
- 27. Run in hole with 2-7/8 J-55 new production tubing & static pressure gauges, test production tubing to 5000 psi, discard & clearly label any bad tubing and proceed with good tubing. Pump 5 gal of corrosion inhibitor (champion-Corton R-2525; SG 0.91)
- 28. Nipple down BOP, Run in hole with new Rods and Pump. (see pre-pull attached on the next page)

Ruby Federal 24

- 29. Encase of any problems with Spatktek gauge contact Eby Bothe (432)-580-8200
- 30. Turn on Pump, 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

33. Place well on test & please obtain static & flowing fluid level put data in advocet

34. ConocoPhillips Maintenance Lead Mario Corral (575) 704-2209

onocoPhillips

Schematic - Curver?

RUBY FEDERAL 24

Most F	Recent Job			
Job Cal	tegory	Primary Job Type Secondary Job Type	e Actual Start Date	End Date
COMP	LETIONS		8/29/2013	9/13/2013
	·····	VERTICAL - Original Hole,	5/30/2014 12:14:01 PM	
(ftKB)		Vertical schematic (actual)	Vertical schematic (p	roposed)
ŏ.o -		3-1; Casing Hanger (Fluted); 5 1/2; 4.892; 13.6; 1.32	12-1. Pc	ished Rod SM; 1 1/2; 7.4; 26.00
138		من م	/-2-2; SL	cker Rod; 7/8; 33.4; 2,325.00
19.0		3-2; Casing Pup Joint; 5 1/2; 4.892; 14.9; 3.40	Perform	ted; 3,558.0-3,568.0 ted; 3,619.0-3,667.0
75.1		3.45	Perfora 2-3, Su	ted; 3,683.0-3,694.0 cker Rod; 3/4; 2,358.4; 2,700.00
705.4		13.6; 61.40	Perform Perform Deproce	ted: 3,765.0-3,785.0 ted: 3,804.0-3,826.0 ted: 3,875.0-3,880.0
845.1		19.1; 603.22	- <u>Perfor</u> z	ted; 4,027.0-4,037.0
2,353.3 -		622.3; 40.62	Perfore 2-4; Sir	ted; 4,080.0-4,090.0 ker Bar, 1 1/2; 5,058.4; 50.00
3,486.9 -		662.9; 2.00		IV Rod Guided, 7/8, 5, 108,4, 2,00
3,558.1		664.9; 40.47	2-8; Sir - 2-9; Po	ker Bar; 1 1/2; 5,162.4; 50.00 ny Rod Guided; 7/8; 5,212.4; 2.00
- 3,662.1		705.4; 1.50	2-2; Tu 2-2; Tu 2-2; Tu 2-2; Tu	Ding Marker Sub; 2 7/8; 2.441; ; 8.10
3,736.9		18.3; 3,474.41 3.4: Marker, Joint: 5 1/2: 4 892	2-11; P 2-3; Tu	ony Rod Guided; 7/8; 5,264.4; 2.00 oing; 2 7/8; 2.441; 5,251.8; 62.76
4,037.1		·······3,492.7; 39.00		zhor 5 1/2 X 2 7/8; 5.00; 2.441;
4,089.9		3-5; Casing Joints; 5 1/2; 4.892;	2-13: P 	ony Rod Guided; 7/8; 5,316.4; 2.00 nker Bar; 1 1/2; 5,318.4; 50.00
5,16C.4		3,551.7, 1,640.17	2-3, 10 - 4 - 4 - 2-15, P - 4 - 2-16, Si - 2-16, Si	nng; 2 7/8; 2.441; 5,317.3; 97.85 ny Rod Guided; 7/8; 5,368.4; 2.00 nker Bar; 1 1/2; 5,370.4; 50.00
5,243.8			2-17; Pi 2-18; Bi 2-18; Bi	ony Rod Guided; 7/8; 5,420.4; 2.00 ack off coupling; 1 1/2; 5,422.4;
. 5,2720			12-6; Tul 32.60	bing TK 99; 2 7/8; 2.441; 5,415.2;
. 5,317,6 .		3-6; Marker Joint; 5 1/2; 4.892;	2-19; D	on Nan Sand diverter pump; 2;
5,370.4		5,371.9; 40.62	5,447.8 2-8; Tut	1.10 Ding Lift Sub; 2 7/8; 2.441; 5,448.9;
5,425.9		9/4/2013	2.10 2-9; Car	vin Desander Model D2711; 2 7/8;
5,451.1		Perforated; 5,808.0-5,828.0; 9/3/2013	2.441 2-10, Tu 2-11, Bl	ibing; 2 7/8; 2.441; 5,470.2; 62.70 anking Nipple; 2 7/8; 2.441;
5,541.0		Perforated; 5,850.0-5,870.0;	5,532.9 2-12; Pr 2,441:5	1.41 essure Gauge in carrier; 2 7/8;
5,850.1		3-7; Casing Joints; 5 1/2; 4.892; 5,412.5; 1,418.49		
6,240.2		Perforated; 6,240.0-6,260.0; . 8/31/2013		
6,307.7				·
6,483.3				
6,534,8				· · · · · · · ·
6,547.9		Perforated; 6,528.0-6,548.0; 8/28/2013		
6,621.4		3-8; Float Collar; 5 1/2; 4.892;		
6,631.0		/ 3-9; Casing Joints; 5 1/2; 4.892; / 6,833.0: 43.18		
6,856.C		3-10; Float Shoe; 5 1/2; 4.892; 6,876.2; 1.50		

Report Printed: 5/30/2014

District .
4825 N. French Dr., Hobbs, NM 88240
Phona: (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	
 		-

30-025-4120	PI Numbe 15	r	43	² Pool Code 329	e	³ Pool Name Maljamar; Grayburg, San Andres				
⁴ Property C	⁴ Property Code Ruby Federal					6	⁶ Well Number 24			
⁷ OGRID N 217817	lo. 7	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	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 2310'	North/South line South	Feet from the 1650'	East/West line West	County Lea	
·		.	πВo	ttom Hol	e Location If	Different From	n Surface			
UL or lot no.	Section	Township	Range	Lot Idn	· Feet from the	North/South line	Feet from the	East/West line	County	
¹² Dedicated Acres 40	¹³ Joint of	r Infill	Consolidation	Code ¹⁵ Or	der No. DHC-41	681	· ·			

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		Lease Bour	dary	¹⁷ OPERATOR CERTIFICATION Lereby 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.
	Leas			SWANB. Marender 5/30/14 Signature Date
	(c)			Susan B. Maunder
	00			Printed Name
	5			Susan.B.Maunder@conocophillips.com
	2			E-mail Address
	5	,		
				*SURVEYOR CERTIFICATION
1160				I hereby certify that the well location shown on this
1000	D	λ.		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
		N		
		· ·		D.4. (0
				Date of Survey
	210			Signature and Seal of Professional Surveyor.
	4			
				· · · · · · · · · · · · · · · · · · ·
	•			
		Lease Bounda	.r 9	Certificate Number

	:			. ::: :::**.					
District I 1625 Di Franz Dr., Phone: (375) 393-61 District II 811 S. First St., Arte Phone: (575) 748-12 District III 1000 Rio Brazos Roz Phone: (505) 334-61 District IV 1220 S. St. Francis D Phone: (505) 475-34	Hobb: NM 882 11 Fax: (575) 3 13 Fax: (575) 74 4, Aztec, NM 8 8 Fax: (505) 33 5., Santa Fe, NW	40 93 0.720 18-9720 7410 4-6170 (187505 6-3461	Ener	y, Mine OIL C(12	State of New rals & Natur ONSERVAT 20 South St. Santa Fe, N	v Mexico al Resources E ION DIVISIOI Francis Dr. M 87505	Department N	Submit one	Form C-10 August 1, 201 copy to appropriat District Office ENDED REPORT
30-025-412	API Numbe	er .	ELL LO	CATIO ² Pool Code	N AND ACE	EAGE DEDIC Maljamar; Yes	CATION PLAT ³ Pool Name	e	
¹ Property 38653	Code	<u></u>		<u>. </u>	⁵ Property Ruby Fed	Name eral		. 6	Well Number 24
⁷ OGRID 2178	№. 17			. (⁸ Operator ConocoPhillips	Name Company			⁹ Elevation 3952'
					Surface]	Location			
UL or lot no. K	Section 18	Township 17S	Range 32E	Lot Idn	Feet from the 2310'	North/South line South	Feet from the 1650'	East/West line West	County Lea
····	······	.L	" Bot	tom Hol	e Location If	Different Fron	n Surface	······································	
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
12 Dedicated Acr	s ¹³ Joint o	r Infill 14 Co	onsolidation (Code 15 Or	der No.	····			

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40

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.

DHC-4681.

		~ ~ ~ <u>-</u>			
16		Lease	Bou	ndary	¹⁷ OPERATOR CERTIFICATION
				, cover j	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
	é	·			owns a working interest or unleased mineral interest in the land including
	2				the proposed bottom hole location or has a right to drill this well at this
	0 0				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
	D	•			order heretofore entered by the division.
	0	- <u></u>			Susan B. Maunder 5/30/14
					Susan B. Maunder
(te .				Printed Name Susan.B.Maunder@conocophillips.com
	d is a				E-mail Address
					¹⁸ SURVEYOR CERTIFICATION
· · · · · · · · · · · ·		-			I hereby certify that the well location shown on this
1650	¢				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.
,	1310	,			
^					Date of Survey
					Signature and Seal of Professional Surveyor:
	. Le	ase Bounc	lary	1	Certificate Number

Maunder, Susan B						
From:	McMillan, Michael, EMNRD <michael,mcmillan@state.nm.us></michael,mcmillan@state.nm.us>					
Sent:	Thursday, June 12, 2014 4:02 PM					
To:	Maunder, Susan B					
Cc:	Joseph Galluzzi ; Lisa Lemon ; Goetze, Phillip, EMNRD; Ezeanyim, Richard, EMNRD; Brown, Maxey G, EMNRD; Kautz, Paul, EMNRD; Mull, Donna, EMNRD					
Subject:	[EXTERNAL]NSL 6528-A and DHC-4680 ConocoPhillips Ruby Federal Well No. 2 Lea Co. API 30-025-40394 DHC-4681 ConocoPhillips Ruby Federal Well No. 24 30-025-40394					

The following permit has been issued and will soon be scanned along with the application and will be available on the Division's web site.

NSL 6528-A and DHC-4680 ConocoPhillips Ruby Federal Well No. 2 (Unit O Sec. 17 17S 32E) Lea Co. 30-025-40394 DHC-4681 ConocoPhillips Ruby Federal Well No. 24 (Unit K Sec. 18 17S 32E) Lea Co. 30-025-40394

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Michael A. McMillan

Engineering and Geological Services Bureau, Oil Conservation Division 1220 South St. Francis Dr., Santa Fe NM 87505 O: 505.476.3448 F. 505.476.3462

BLM - Downhole Commingling Worksheet

Operator: ConocoPhillips Company Lease/Well Name/Location: NMLC029405B/ Ruby Federal #24/ 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	Yes		Yes					
provided								
Formation Name	Grayburg-San Andres		Yeso					
Top & Bottom of Pay		,	F100 0F101					
Section (perforated or	3487 – 4090' perforated		5406 – 6548' perforated					
open-hole interval)	ponoratoa		ponoratod					
Method of production	Artificial Lift		Artificial Lift					
Bottom Hole Pressure	Pi,r = 1733		Pi,r = 2600					
(Pinitial, reservoir &	Pbh = 800 psi	~	Pbh = 1200 psi					
Pbottom hole, current)								
Reservoir Drive	Combination (Solution		Combination (Solution					
méchanism	gas & water drive)		gas & water drive)					
Oil gravity and/or BTU	39 1243		38 1306	38.4 1286				
Average Sulphur	0 7069		0.6261	0.658				
Content (Wt%)		• ··•• · · · · · · · · · · · · · · · ·		1				
Oil Sample Analysis provided	See Field Study		See Field Study					
Gas Analysis Provided	See Field Study		See Field Study					
Produced Water	See Field Study	,	See Field Study					
Analysis provided	See Tield Olddy		Oec ricid Olddy					
H2S present	180 ppm		1400 ppm	1107 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	New	- ,	Producing					
Date and Oil/Gas/Water rates of last production	Date: estimate 19 bopd/35 Mcfd/190 bwpd		Date:04/24/14 29 bopd /75 Mcfd/ 132 bwpd	Oil/Gas/Water 48 / 110 / 322				
Average decline% (provide back up data)	See Field Study		See Field Study					
Fixed Allocation Percentage	Oil:40% Gas:32%		Oil:60% Gas:68%					

Remarks: *For H2S calculation used following numbers: GBSA production share (0.4), GOR (1.8 Mcf/Stb), H2S (180 ppm) & Yeso production share (0.6), GOR (4.5), H2S (1400 ppm)

Operator Signature:

Date:

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 24 30-025-41205 ConocoPhillips August 6, 2014

- 1. Operator procedure approved as written.
- 2. Surface disturbance beyond the existing pad must have prior approval.
- 3. Closed loop system required.
- 4. 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 precharge. The pre-charge test shall follow requirements in Onshore Order #2.
- 5. <u>Subsequent sundry and Completion report with well test and wellbore schematic required.</u>

6. Work to be completed in 90 days.

EGF 080614