UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

HOSS OCD	
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FORM APPROVED OMB NO. 1004-0135

Expires: July 31, 2010 Lease Serial No.

SUNDRY NOTICES AND REPORTS ON WELLS	^	-1	2015
SUNDRY NOTICES AND REPORTS ON WELLS on not use this form for proposals to drill or to re-enter an JUN	v	1	COID

NMLC029405B

Do not use thi	is form for proposals to	drill or to re-enter an IJUN	A T Sois	6 167 11 411	77.3 N
abandoned we	II. Use form 3160-3 (API	D) for such proposals.		6. If Indian, Allottee o	or Tribe Name
SUBMIT IN TRI	PLICATE - Other instruc	tions on reverse side.	CEIVED	7. If Unit or CA/Agre	ement, Name and/or No.
1. Type of Well				8. Well Name and No. RUBY FEDERAL	
☑ Oil Well ☐ Gas Well ☐ Oth					
Name of Operator CONOCOPHILLIPS COMPAN	Contact: Y E-Mail: rogerrs@co	RHONDA ROGERS onocophilips.com		9. API Well No. 30-025-40894-0	00-S2 –
3a. Address	10. Field and Pool, or	Exploratory			
MIDLAND, TX 79710		Ph: 432-688-9174		MALJAMAR	
4. Location of Well (Footage, Sec., T	., R., M., or Survey Description,			11. County or Parish,	and State
Sec 18 T17S R32E NESE 23	10FSL 910FEL			LEA COUNTY,	NM
	•	•			
12. CHECK APPI	ROPRIATE BOX(ES) TO	INDICATE NATURE OF	NOTICE, R	EPORT, OR OTHE	R DATA
TYPE OF SUBMISSION		ТҮРЕ О	F ACTION		
Notice of Intent	☐ Acidize	□ Deepen	☐ Product	ion (Start/Resume)	■ Water Shut-Off
Notice of Intent	☐ Alter Casing	☐ Fracture Treat	□ Reclam	ation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	■ New Construction	☐ Recomp	olete	Other ■
☐ Final Abandonment Notice	☐ Change Plans	☐ Plug and Abandon ☐ Temp		rarily Abandon	Subsurface Commingli
	☐ Convert to Injection	Plug Back	□ Water I	Disposal	ng

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 shall 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 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 conducted production tests and are now ready to commingle the GB-SA and Yeso per DHC-4678 and NOI aprvd 8/11/14. Production data will be submitted separately.

Attached is the procedure

Attached is a wellbore schematic

Approved as written

Operator to update the Maljamar-Yeso West and Grayburg-San Andres Pool Commingle field study within the next 4 months. Operator to submit an updated completion report form 3160-4

					10-100
14. I hereby certify that	the foregoing is true and correct. Electronic Submission #299885 verifie For CONOCOPHILLIPS CO Committed to AFMSS for processing by LI	d by the MPANY NDA JII	BLM Well Informati , sent to the Hobbs MENEZ on 05/06/201	ion System, AU OF BAN 5 (15LJ 1208SE)	H
Name(Printed/Typed		Title		TORY TECHNICIAN	
Signature ·	(Electronic Submission)	Date	04/29/2015		
	THIS SPACE FOR FEDERA	L OR	STATE OFFICE	USE	
	RD FERNANDEZ Tany, are attached. Approval of this notice does not warrant or nolds legal or equitable title to those rights in the subject lease	TitleF	PETROLEUM ENGI	INEER	Date 05/26/2015

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 of agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

** BLM REVISED **

SUBJECT TO LIKE APPROVAL BY STATE

which would entitle the applicant to conduct operations thereon.

DAC-4678

Office Hobbs

JUN 0 8 2015



Proposed Rod and Tubing Configuration RUBY FEDERAL 20

	VEDTICAL Original Halo	4/42/204E 4:02:46 DM	Tubing Description							
6	VERTICAL - Original Hole,	11122015 4.02.16 PM	_	sedTubing - Production				[set Deptil (ith	5,522.0
(ft K B)	Vertical schematic (actual) Vertical schematic (proposed)		Jts	Item Des	OD Nominal (in)	Nominal ID (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
		3-1; Tubing Sub; 2	1	Tubing Sub	2 7/8	2.441	6.50	J-55	20.00	-8.8
"	2-1) Polished Rod EM 1 1/2 -5 1, 26 00	7/8; 2.441; -28.8; 20.00	110	Tubing	2 7/8	2.441	6.50	J-55	3,420.00	3,411.2
1".	1135	3-1; Polished Rod	1	Tubing Marker Sub	2 7/8	2.441	6.50	J-55	8.10	3,419.3
	######################################	26.00	2	Tubing	. 2 7/8	2.441	6.50	J-55	61.26	3,480.5
`	1	3-2; Sucker Rod; 77/8: 19.4; 8.00	1	Anchor 5 1/2 X 2 7/8	4.89	2.441			2.70	3,483.2
**	1-1: Causing Plus Joint, 16: 15:256-136.	3-3; Sucker Rod; 7/8; 27.4; 1.450.00	59	Tubing	2 7/8	2.441	6.50	J-55	1,855.30	5,338.5
ru.	. 2-5 Caung Jones 6:56 8:007, 16:9 718:42		1	Tubing TK 99	2 7/8	2.441	6.50	J-55	31.70	5,370.2
/	2-6 Reat Coter, 6-5/8 8.097, 737 3.1 52 27, Casing Johns, 6-5/3 6.097, 738 4-0 57 2-6 Guide Shore 15/8 6.097, 779 4, 0.70	3-4; Sucker Rod;	1	Pump Seating Nipple	2 7/8	2.280			1.10	- 5,371.3
		3/4; 1,477.4; 3,710.00	1	Tubing Sub	2 7/8	2.441	6.50	J-55	4.00	5,375.3
12712	2.1 Sucker Rov. (in 20.5 1000 for 20.1	3-3; Tubing Marker Sub; 2 7/8; 2.441; 3.411.2: 8.10	1	Cavin Desand D2707G	2 7/8				19.50	5,394.8
136.	7.3 Succer Rod 3.4 2 020 9 1 725 06 22 Tubing Marker Sub. 2 7/8 2 441; 3 412 7,8 10	3-4; Tubing; 2 7/8;	4	Fiber glass tubing	· 27/8	2.280			118.00	5,512.8
,,,,,,	3-6. MARKER JT, 5-1/2-4-802, 3-474-8	61.26 3-5; Anchor 5 1/2 X = 27/8; 4.89; 2.441; 3.490; 5.47	1	Blanking plug	2 7/8	2.280			0,50	5,513.4
"""	2.3 Tubeng, 2.78, 2.441, 3.420.8, 6126 2.4 Andres 512, 3.2.76, 4.62, 2.441, 3.462, 1.2.76	2 7/8; 4.89; 2.441; 3.480.5; 2.70		perf sub	2 7/8				2.00	5,515.4
1160	3 452 1,276	3-6; Tubing; 2 7/8;		pressure gauge	2 7/8				6.65	5,522.0
	Performed, 3,67,0-3,578,0,587,014 Performed: 3,616,0-3,624,0,587,014	1,855.30		<u> </u>	<u> </u>		L	L	i .	l
1K1.	Principle 3.634.0-2.6430, 5°72614 Perforated 3.656-3.674.0.567014	3-5; Pony Rod Guided; 7/8;				•				
	Postanted, 3 707 0-3 714 0 64/2014	5,187.4; 2.00 3-6; Sinker Bar; 1								
1727	2.5 Street Bar. 11/2, 2/41/9 Sc 00 2.5 Tueng, 2/76 2.441, 3.444 9.514 00 2.6 Tueng, 2/76 2.441, 3.444 9.514 00 2.6 Tueng, 2/76 2.441, 3.444 9.514 00 2.7 Street Bar. 11/2, 37/99 1.60 00	1/2; 5,189,4; 50,00	Pod De	scription					Set Depth (f	+KD)
1540	2-7, Strater Bar, 1-12; 3,799 9,100 00 Pertorates 3,854 0-3,874 0,828/2014	Guided; 7/8;		ed Rod					Set Deptil (i	5,371.0
2,00.0	Performed 3 237 0-3 947 0 8/26/2014	3-8; Sinker Bar; 1 1/2; 5,241.4; 50.00	Jts 1	Item Des Polished Rod SM		OD (in)	API Grad	e	Len (ft) 26.00	Btm (ftK <u>B)</u> 19.4
1,641	72-10, Pony Rod Career, 76: 4 001: 9, 2 00 Perhapsed, 4 000 04,019.0 #272/2014 2-21, Eaker Bar, 1 12: 4 603: 9, 100 2-21, Pony Rod Career, 78: 4 (10): 9, 2 00	3-9; Pony Rod	ŀ	Sucker Rod			D Spec		8.00	27.4
'"	Perforated 4 100 3-4,110 0 5/26/2014 2-13, Back of coupling, 11/2, 4,105 9 0 62 2-6, Tuting TX 09 2 7/8, 2 441, 4 098 8 31 70	Guided; 7/8; 5.291.4; 2.00	-	ancket Lod			KD		0.00	27.4
	2.14 Rod insert Plant Dion Nan sand dware; 2.4 Bio 5.2 Kilo 1. 20 Planta Seating Rights 7.76 2.250 2.15 Planta Seating Rights 7.76 2.250 2.15 Planta Polipia 1.04 4.130 5.00 2.56 Ruberg Dion 2.78, 2.41,4.131.5.4 00 2.56 Care Desard 0271 (0.2.274 4.155 5.	3-10; Sinker Bar; 1 1/2; 5,293.4; 50.00 3-11; Pony Rod	57	Sucker Rod			SPCL APP		1,450.00	1,477.4
	2.0 Cash Desand 07710. 276 4 105 5 19 50 2.10, Fader glass Nating 2.76 2.200 4 1050 11800 12.10, Fader State 2.76, 4.773.1.050 12.10, Fader State 2.76, 4.773.1.050 12.10, Fader Cash 2.76, 4.773.1.050	Guided; 7/8; 5,343.4: 2.00 3-12; Back off	149	Sucker Rod			SPCL APP		3,710.00	5,187.4
	2-13 Pressure Grage in carrer 2.76, 2.441, 4275.5, 65 bhdge Phys - Temporary 4.09 4.305.0-4.205.0-4.20	coupling; 1 1/2; 5.345.4; 0.62 3-7; Tubing TK 99; 2	1	Pony Rod Guided			D Spec KD		2.00	5,189.4
\ · :	3-7, Caren James 5 1/2 4522,3,444 0	7/8; 2.441; 5,338.6; 31.70	2	Sinker Bar		1 1/2			50.00	5,239.4
1281	N	3-13; Rod Insert Pump; 2; 5,346.0; 24.00		Pony Rod Guided		7/8	D Spec KD		2.00	5,241.4
		3-14; Strainer Nipple; 1 1/4;	2	Sinker Bar		1 1/2			50.00	5,291.4
2511		5.370.0; 1.00 3-8; Pump Seating Nipple; 2 7/8; 2.280;	1	Pony Rod Guided	1.		D Spec KD	-	2.00	5,293.4
(")		5.370.2; 1.10 3-9; Tubing Sub; 2	2	Sinker Bar		1 1/2	Ç		50.00	5,343.4
1,5%		7/8; 2.441; 5,371.3;	1	Pony Rod Guided			D Spec		2.00	5,345.4
	3-8 MARKER JI, 5 1/2 4 897 5 382 9	3-10; Cavin Desand					KD			
1901	42.56 Partorated, 5.330.0-5.520.5.377/2013 Perforated 5.301.0-5.622.0.377/2013	5,375.3; 19.50 3-11; Fiber glass	- 1	Back off coupling		1 1/2			0.62	5,346.0
	N N	5,375.3; 19.50 3-11; Fiber glass tubing; 2 7/8; 2.280; 5.394.8; 118.00		Rod Insert Pump		2			24.00	5,370.0
650	Perforated, 5 680 0-5,775 0 3/6/2013		1	Strainer Nipple		1 1/4			1.00	5,371.0
	Petrosed 5 207-05 207-0 3 77-0 1 7 4 827 0 3 827 9 828	2 3-12, Blanking plug. 2 7/8; 2.280; 5.512.9; 0.50 3-13; perf sub; 2 7/8; 5.513.3; 2.00								
	1 408 54 Perforend 6 475 0-6 625 0 36/2013	5.513.3; 2.00 3-14; pressure								
	3-10 Float Cetar; 5 1/2 4 892 6 893 9 1 50	gauge; 2 7/8; 5,515.3; 6.65								
	3-11, Castraj Joints - 5-12, 4-892, 6-895-4, 43-05 3-12, Float Choe, 5-20-4-892, 6-938-5-1-50									
L_										

Ruby Federal 20 Commingle API#30-025-40894

Comingling: Phase 1 Yeso recompletion→ Phase 2 GBSA recompletion--→ Phase 3 Yeso+ GBSA

Hable 1. Production Infor	mation		
Test Date	12/12/2014	Pumping Unit	C-640-365-168
Oil (bopd)	20	Stroke Length / SPM	146.9/8.8
Water (bwpd)	41	Current Pump	2"
Gas (mcfd)	8	Theoretical Capacity	603

Table 2 a Well Control Infor	medions + + + 3 &		
Estimated H2S (ppm)	600	Max anticipated MCFPD	100
100 ppm H2S ROE (ft)	847	Well Category	2
500 ppm H2S ROE (ft)	388	BOP Class	2 .

Table3's Renforat	ionse de la		The Control of the Co			
Type	Formation	Top	Bottom			
Perforations	Grayburg	3534'	3714'			
Perforations	San Andreas	3854'	4110'			
perforations	Yeso	5390'	6625'			
TD		6940'				

Well Service Procedure:

Note: Poly lined tbg

- 1) Verify anchors have been tested before RU
- 2) MI review JSA prior to RU
- 3) Nipple down well head
- 4) TOOH with rods and pump. Visually inspect rods COOH for pitting and wear, change out as needed
- 5) Nipple up BOP, & pull out of hole with tubing and stand tubing
- 6) Pick up and run in hole with
 - a. 4-3/4" Bit
 - b. (6) 28lb/ft drill collars
 - c. 2-7/8" 6.5 lb/ft J-55 production tubing (casing size: 5-1/2, 17#)
 - d. To composite bridge plug at 4305 ft. drill out plug with 10 ppg brine
- 7) Please observe the force balance below

CBP Depth: ft.	Pressure: psi		Force Across CBP: lbs		Buoyant String Wt: lbs	String Wt Less Differential: lbs	
	surface	BHP	Below	Above	Differential		If negative: Do Not Drl Out CBP
4305	500	2,500	46,990	42,061	4,929	27,013	. 22,084

- 8) Very low BHP are expected in the yeso, so a 10ppg column of brine above the CBP and our weight of string should be more than enough to drill out plug safely
- 9) Continue running in the hole with bit and collars to PBD. Drill out any restrictions as necessary
- 10) Circulate on bottom until we get clean returns to surface
- 11) Once complete pull out of hole with bit, collars and tubing.
- 12) Run in hole with 171 joints of 2-7/8" 6.5# J-55 production tubing, set tubing anchor at 3480 ft (above all perfs), set seating nipple at 5370 ft.
- 13) While running in hole test the tubing to 5000 psi.
- 14) Nipple down the BOP & Run in hole with rods and pump
- 15) Nipple up the well head
- 16) Surface equip the well with existing BPU and operate at 8.8 SPM & 169" stroke (no change)
- 17) Space out pump; hang well on, test pump action.
- 18) Place well on test