

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OCD

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.

JUN 01 2015

SUBMIT IN TRIPLICATE - Other instructions on reverse side. RECEIVED

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. RUBY FEDERAL 20
2. Name of Operator CONOCOPHILLIPS COMPANY		9. API Well No. 30-025-40894-00-S2
3a. Address MIDLAND, TX 79710	3b. Phone No. (include area code) Ph: 432-688-9174	10. Field and Pool, or Exploratory MALJAMAR
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 18 T17S R32E NESE 2310FSL 910FEL		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			
<input checked="" 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 type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<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	Subsurface Commingling
	<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 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.)

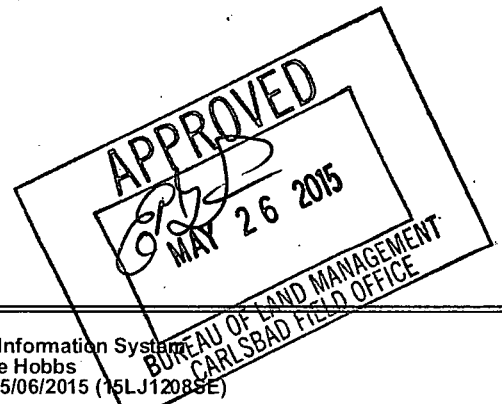
ConocoPhillips Company conducted production tests and are now ready to commingle the GB-SA and Yeso per DHC-4678 and NOI aprvd 8/11/14. Production data will be submitted separately.
Attached is the procedure
Attached is a wellbore schematic

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



14. I hereby certify that the foregoing is true and correct. Electronic Submission #299885 verified by the BLM Well Information System For CONOCOPHILLIPS COMPANY, sent to the Hobbs Committed to AFMSS for processing by LINDA JIMENEZ on 05/06/2015 (15LJ1208SE)	
Name (Printed/Typed) RHONDA ROGERS	Title STAFF REGULATORY TECHNICIAN
Signature: (Electronic Submission)	Date 04/29/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By EDWARD FERNANDEZ	Title PETROLEUM ENGINEER	Date 05/26/2015
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 **
SUBJECT TO LIKE
APPROVAL BY STATE

DHC-4678

JUN 08 2015

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Proposed Rod and Tubing Configuration

RUBY FEDERAL 20

VERTICAL - Original Hole, 1/12/2015 4:02:16 PM		Tubing Description						Set Depth (ftKB)	
		Proposed Tubing - Production						5,522.0	
D (ft KB)		Jts	Item Des	OD Nominal (in)	Nominal ID (in)	Wt. (lb/ft)	Grade	Len (ft)	Btm (ftKB)
	Vertical schematic (actual)		Vertical schematic (proposed)						
0		1	Tubing Sub	2 7/8	2.441	6.50	J-55	20.00	-8.8
110		110	Tubing	2 7/8	2.441	6.50	J-55	3,420.00	3,411.2
		1	Tubing Marker Sub	2 7/8	2.441	6.50	J-55	8.10	3,419.3
		2	Tubing	2 7/8	2.441	6.50	J-55	61.26	3,480.5
		1	Anchor 5 1/2 X 2 7/8	4.89	2.441			2.70	3,483.2
59		59	Tubing	2 7/8	2.441	6.50	J-55	1,855.30	5,338.5
		1	Tubing TK 99	2 7/8	2.441	6.50	J-55	31.70	5,370.2
		1	Pump Seating Nipple	2 7/8	2.280			1.10	5,371.3
		1	Tubing Sub	2 7/8	2.441	6.50	J-55	4.00	5,375.3
		1	Cavin Desand D2707G	2 7/8	2.441			19.50	5,394.8
		4	Fiber glass tubing	2 7/8	2.280			118.00	5,512.8
		1	Blanking plug	2 7/8	2.280			0.50	5,513.4
			perf sub	2 7/8				2.00	5,515.4
			pressure gauge	2 7/8				6.65	5,522.0
		Rod Description						Set Depth (ftKB)	
		Proposed Rod						5,371.0	
		Jts	Item Des	OD (in)	API Grade			Len (ft)	Btm (ftKB)
		1	Polished Rod SM	1 1/2				26.00	19.4
		2	Sucker Rod	7/8	D Spec KD			8.00	27.4
57		57	Sucker Rod	7/8	SPCL APP			1,450.00	1,477.4
149		149	Sucker Rod	3/4	SPCL APP			3,710.00	5,187.4
		1	Pony Rod Guided	7/8	D Spec KD			2.00	5,189.4
		2	Sinker Bar	1 1/2	C			50.00	5,239.4
		1	Pony Rod Guided	7/8	D Spec KD			2.00	5,241.4
		2	Sinker Bar	1 1/2	C			50.00	5,291.4
		1	Pony Rod Guided	7/8	D Spec KD			2.00	5,293.4
		2	Sinker Bar	1 1/2	C			50.00	5,343.4
		1	Pony Rod Guided	7/8	D Spec KD			2.00	5,345.4
		1	Back off coupling	1 1/2				0.62	5,346.0
		1	Rod Insert Pump	2				24.00	5,370.0
		1	Strainer Nipple	1 1/4				1.00	5,371.0

Ruby Federal 20
Commingle
API#30-025-40894

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

Table 1: Production Information

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 (mcf/d)	8	Theoretical Capacity	603

Table 2: Well Control Information

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

Table 3: Perforations

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 Dril 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