OCD Hobbs

Form 3160-5
(March 2012)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014

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

AUG 08 2014

RECEIVED

SUBMIT IN TRIPLICATE – *Other instructions on page 2*

5. Lease Serial No. NMLC029405B	
6. If Indian, Allottee or Tribe Name N/A	
7. If Unit of CA/Agreement, Name and/or No. N/A	
1. Type of Well: [X] Oil Well [ ] Gas Well [ ] Other	8. Well Name and No. Ruby Federal #10
2. Name of Operator ConocoPhillips Company	9. API Well No. 30-025-40507
3a. Address 600 N. Dairy Ashford Rd; Houston, TX 77450	3b. Phone No. *(include area code)* (281)206-5281
4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)* 1140' FSL & 2310' FEL, UL O, Sec. 18, T17S, R32E	10. Field and Pool or Exploratory Area Maljamar; Yeso West
	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			
[X] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (Start/Resume)	[ ] Water Shut-Off
	[ ] Alter Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity
[ ] Subsequent Report	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[X] Other Subsurface Commingling
	[ ] Change Plans	[ ] Plug and Abandon	[ ] Temporarily Abandon	
[ ] Final Abandonment Notice	[ ] Convert to Injection	[ ] Plug Back	[ ] 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 must 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 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 (COPC) respectfully requests approval to downhole commingle production in the subject well as per the procedure in the attached supporting documents. The proposal is to drill out the plug(s) and begin downhole commingling. This proposal has been discussed between BLM representative Mr. Ed Fernandez and COPC representative Susan Maunder. We believe the attached documents contain the pertinent information to evaluate this request.

DHC-4628

Well Currently Producing only From Grayburg/San Andres

Attached Supporting Documents:
DHC Procedure
Wellbore Diagram
C-102s
Field Study → Work in Progress
Actual Production Data
BLM-Downhole Commingling Worksheet

Thank you for your time spent reviewing this request.

SEE ATTACHED FOR CONDITIONS OF APPROVAL

APPROVED
AUG 4 2014
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)*

Susan B. Maunder — Title Sr., Regulatory Specialist

Signature Susan B Maunder — Date 07/24/2014

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)

SEE ATTACHED FOR CONDITIONS OF APPROVAL

AUG 11 2014

ConocoPhillips

RUBY FEDERAL 10
DRILL OUT CBP BELOW SA 10

OBJECTIVE OF THIS WORK

The purpose of this project is to drill out the San Andreas 10 & yeso CBP

Present status: Producing

Production Engineer: Michael Sendze **Date:** 07/23/2014

Current Well Category: Category 1 This well is incapable of flowing at rates greater than 500 MCFD. The barrier requirements are: ***one untested barrier.***

BOPE Class: Class 2 The well will require Class 1 BOP or better, preferably Hydraulic

GENERAL WELL INFORMATION: RUBY FEDERAL 10			
Well status	producing	API	3002540507
well type	Development	LATITUDE	32°49' 49.57" N
County	Lea	LONGITUDE	103°48' 15.19" W
state	NM	LOCATION	1650'FNL &1500'FWL
section	18	TOWNSHIP	17S
		RANGE	32E
AFE	WA5.CBC.0262	COMP NETWORK #	
		FAC NETWORK #	

Well category definitions	
Category 1	• Wells incapable of flowing gas at rates greater than 500 MCFD at a land location • Wells incapable of developing a 100 ppm H2S ROE greater than 50 ft
Category 2	• Wells capable of flowing gas at rates greater than 500 MCFD but less than 3000 MCFD at a land location • Wells capable of developing a 100 ppm H2S ROE greater than 50 ft • Wells incapable of sustained flow at any water location in a designated "sensitive area"
Category 3	• Wells capable of flowing gas or associated gas at rates greater than 3000 MCFD at a land location • Wells capable of sustained flow at any water location or in a designated "sensitive area"

Well Barrier Requirements	
Category 1	• One untested barrier required
Category 2	• Two untested barriers required or for wells incapable of generating 1000 psi differential against a full column of gas • One barrier tested in the direction of flow to the maximum well differential
Category 3	• Two barriers tested in the direction of flow • For well incapable of generating 1000 psi differential against a full column of gas • One barrier tested in the direction of flow to the maximum well differential and one untested barrier

BOP Class Definitions	
Class 1 BOP	• Land wells with a MPSP of 1000 psi or less, not location in a designated "sensitive area"
Class 2 BOP	• Wells surface blowout preventers and a MPSP of 1000 psi to 3000 psi. • Included in this class are wells with a MPSP of less than 1000 psi which are either located in an environmentally sensitive area or are predicted to produce poisonous gas.
Class 3 BOP	• Wells surface blowout preventers and a MPSP of 3000 psi to 5000 psi
Class 4 BOP	• Wells with surface blowout preventers and a MPSP of more than 5000 psi
Class 5 BOP	• Wells with subsea blowout preventers

		Internal Yield (Burst): psi		Internal Diameter: in.		capacity
	properties	100%	80%	Nom.	Drift	bbl/ft
Tubing	2-7/8", 6.5#, J-55	7260	5808	2.441	2.347	0.00579
casing	5-1/2", 17#, L-80	7740	6192	4.892	4.767	0.02324

MCFPD	H2S: ppm	ROE: feet	
		100 ppm	500 ppm
100	600	18	8

ConocoPhillips

Procedure: Drill out CBP & put well on production

1. Before the arrival of the rig, turn off BPU well should be dead, if it isn't pump fresh water until its dead
2. Conduct safety meeting with JSA with all personnel and contractors on location
3. Rig up, Nipple down well head
4. Pull out of hole with rods & pump

Item Des	Icon	OD (in)	Wt (lb/ft)	API Grade	Make	Model	Len (ft)	Jts	Typ
Polished Rod SM		1 1/2			Norris		26.00	1	Polish Rod
Sucker Rod		7/8		SPCL APP	Norris	97	22.00	4	Rod
Sucker Rod		7/8		SPCL APP	Norris	97	1,965.00	78	Rod
Sucker Rod		3/4		SPCL APP	Norris	97	1,725.00	69	Rod
Pony Rod Guided		7/8		D Spec KD	Norris	D90	2.00	1	Rod
Sinker Bar		1 1/2		C			50.00	2	Rod
Pony Rod Guided		7/8		D Spec KD	Norris	D90	2.00	1	Rod
Sinker Bar		1 1/2		C			100.00	4	Rod
Pony Rod Guided		7/8		D Spec KD	Norris	D90	2.00	1	Rod
Sinker Bar		1 1/2		C			100.00	4	Rod
Pony Rod Guided		7/8		D Spec KD	Norris	D90	2.00	1	Rod
Sinker Bar		1 1/2		C			100.00	4	Rod
Pony Rod Guided		7/8		D Spec KD	Norris	D90	2.00	1	Rod
Rod Insert Pump		2					24.00	1	Rod Pump
Gas Anchor/Dip Tube		1 1/4					1.00	1	Other
Pony Rod									Other

5. Nipple up BOP, & pull out of hole with tubing and stand tubing

Item Des	Icon	OD Nominal (in)	Nominal ID (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Typ
Tubing		2 7/8	2.441	6.50	J-55	3,371.02	110	Tubing
Tubing Marker Sub		2 7/8	2.441	6.50	J-55	8.10	1	Tubing
Tubing		2 7/8	2.441	6.50	J-55	62.96	2	Tubing
Anchor 5 1/2 X 2 7/8		4.995	2.441			2.75	1	Other
Tubing		2 7/8	2.441	6.50	J-55	622.62	20	Tubing
Tubing TK 99		2 7/8	2.441	6.50	J-55	32.55	1	Tubing
Pump Seating Nipple		2 7/8	2.280			1.10	1	Other
Perforated Sub		2 7/8	2.441			4.00	1	Other
Tubing Sub		2 7/8	1.990	4.70	J-55	10.10	1	Tubing
Blanking plug		2 7/8	0.000	4.70	J-55	2.00	1	Other
Tubing Carrier Sub w/ 2 pressure gauges inside		2 7/8	1.990	4.70	J-55	6.60	1	Tubing
		2 7/8						

6. Pick up and Run in hole with 4-3/4" Bit, 6 drill collars and 2-7/8", J-55 production tubing (casing size: 5-1/2, 17#) to 5307 ft, drill out plug with 10ppg brine
7. Continue running in hole with Bit, collars, and tubing to PBD. If we lose weight string drill out as necessary
8. Circulate on bottom fresh water to clean out the well till we get clean returns to surface. Recirculate as many times as necessary, the pull out of hole with Bit, collars and tubing

9. Run in hole with 211 joints of 2-7/8" 6.5# J-55 production tubing, set tubing anchor catcher at 5357 ft, seat nipple at 6745 ft. while running in hole test the tubing to 6000 psi, please replace and tag any bad tubing.

Item Des	Icon	OD Nominal (in)	Nominal ID (in)	Wt (lb/ft)	Grade	Len (ft)	Jts	Type
Tubing		2 7/8	2.441	6.50	J-55	5,272.30	167	Tubing
Tubing Marker Sub		2 7/8	2.441	6.50	J-55	8.10	1	Tubing
Tubing		2 7/8	2.441	6.50	J-55	62.92	2	Tubing
Anchor 5 1/2 X 2 7/8		4.995	2.441			2.70	1	Other
Tubing		2 7/8	2.441	6.50	J-55	1,352.32	44	Tubing
Pressure Drainw/4k psi ceramic disk		2 7/8			SS	0.90	1	Other
Tubing TK 99		2 7/8	2.441	6.50	J-55	31.54	1	Tubing
Pump Seating Nipple		2 7/8	2.280			1.10	1	Other

10.

Figure 1: tubing components going in hole

11. Nipple down BOP, Run in hole with Rods and Pump.

Item Des	Icon	OD (in)	Wt (lb/ft)	API Grade	Make	Model	Len (ft)	Jts	Type
Polished Rod SM		1 1/2			Norris		26.00	1	Polish Rod
Sucker Rod		7/8		SPCL APP	Norris	97	10.00	1	Rod
Sucker Rod		7/8		SPCL APP	Norris	97	2,650.00	107	Rod
Sucker Rod		3/4		SPCL APP	Norris	97	3,750.00	150	Rod
Sinker Bar		1 1/2		C			25.00	1	Rod
Pony Rod Guided		7/8		D Spec KD	Norris	D90	2.00	1	Rod
Sinker Bar		1 1/2		C			50.00	2	Rod
Pony Rod Guided		7/8		D Spec KD	Norris	D90	2.00	1	Rod
Sinker Bar		1 1/2		C			50.00	2	Rod
Pony Rod Guided		7/8		D Spec KD	Norris	D90	2.00	1	Rod
Sinker Bar		1 1/2		C			50.00	2	Rod
Pony Rod Guided		7/8		D Spec KD	Norris	D90	2.00	1	Rod
Sinker Bar		1 1/2		C			50.00	2	Rod
Pony Rod Guided		7/8		D Spec KD	Norris	D90	2.00	1	Rod
Sinker Bar		1 1/2		C			50.00	2	Rod
Pony Rod Guided		7/8		D Spec KD	Norris	D90	2.00	1	Rod
Back off coupling		1 1/2					0.62	1	Other
Rod Insert Pump w/san div		1 3/4					24.00	1	Rod Pump
Gas Anchor/Dip Tube		1 1/4					1.00	1	Other

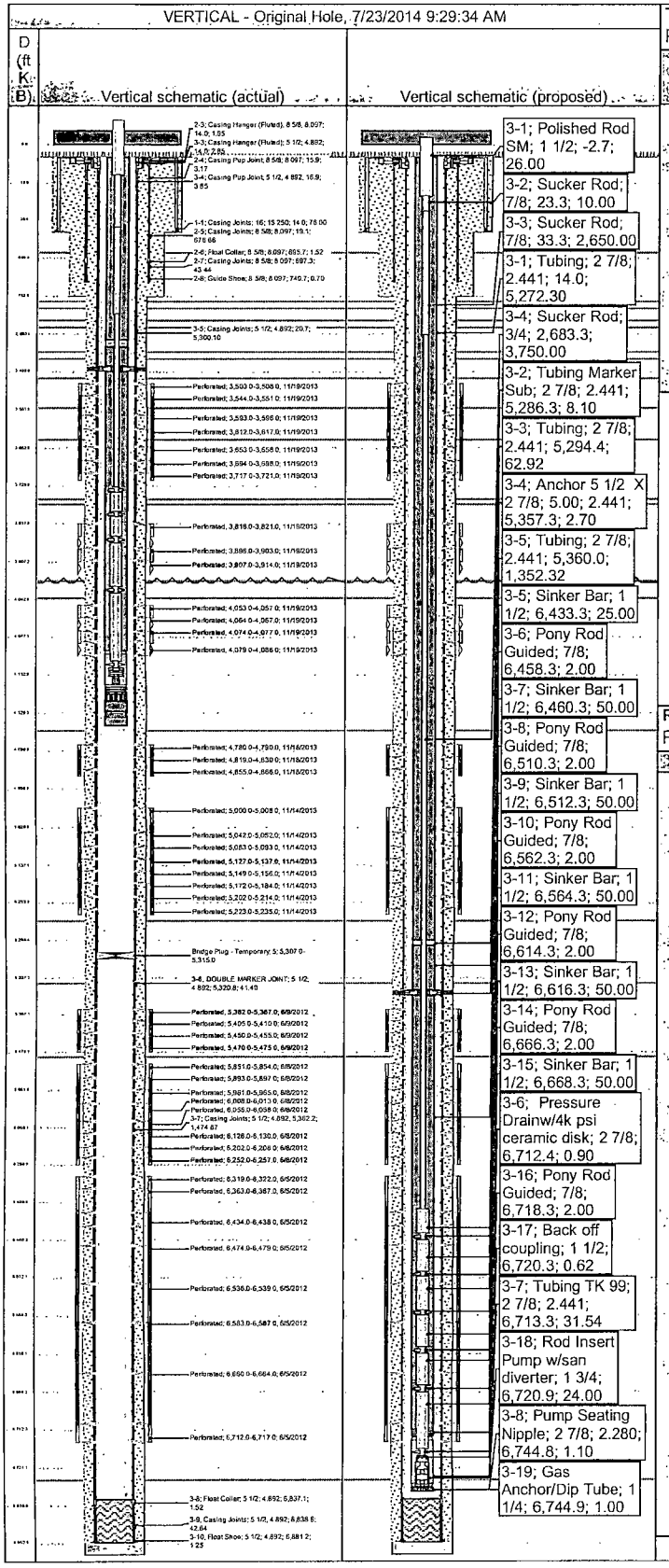
Figure 2: rod components

12. Surface equip with existing 912-365-168, operate at current 8 SPM with 170"stroke (maxed out Design, which will pump the well down)

13. Place well on test.

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

Proposed Rod and Tubing Configuration
RUBY FEDERAL 10



Tubing Description — Proposed Tubing - Production — **Set Depth (ftKB)** 6,745.9

Jts	Item Des	OD Nominal (in)	Nominal ID (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
167	Tubing	2 7/8	2.441	6.50	J-55	5,272.30	5,286.3
1	Tubing Marker Sub	2 7/8	2.441	6.50	J-55	8.10	5,294.4
2	Tubing	2 7/8	2.441	6.50	J-55	62.92	5,357.3
1	Anchor 5 1/2 X 2 7/8	4.995	2.441			2.70	5,360.0
44	Tubing	2 7/8	2.441	6.50	J-55	1,352.32	6,712.4
1	Pressure Drainw/4k psi ceramic disk	2 7/8			SS	0.90	6,713.3
1	Tubing TK 99	2 7/8	2.441	6.50	J-55	31.54	6,744.8
1	Pump Seating Nipple	2 7/8	2.280			1.10	6,745.9

Rod Description — Proposed Rod — **Set Depth (ftKB)** 6,745.9

Jts	Item Des	OD (in)	API Grade	Len (ft)	Btm (ftKB)
1	Polished Rod SM	1 1/2		26.00	23.3
1	Sucker Rod	7/8	SPCL APP	10.00	33.3
107	Sucker Rod	7/8	SPCL APP	2,650.00	2,683.3
150	Sucker Rod	3/4	SPCL APP	3,750.00	6,433.3
1	Sinker Bar	1 1/2	C	25.00	6,458.3
1	Pony Rod Guided	7/8	D Spec KD	2.00	6,460.3
2	Sinker Bar	1 1/2	C	50.00	6,510.3
1	Pony Rod Guided	7/8	D Spec KD	2.00	6,512.3
2	Sinker Bar	1 1/2	C	50.00	6,562.3
1	Pony Rod Guided	7/8	D Spec KD	2.00	6,564.3
2	Sinker Bar	1 1/2	C	50.00	6,614.3
1	Pony Rod Guided	7/8	D Spec KD	2.00	6,616.3
2	Sinker Bar	1 1/2	C	50.00	6,666.3
1	Pony Rod Guided	7/8	D Spec KD	2.00	6,668.3
2	Sinker Bar	1 1/2	C	50.00	6,718.3
1	Pony Rod Guided	7/8	D Spec KD	2.00	6,720.3
1	Back off coupling	1 1/2		0.62	6,720.9

30-025-40507

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

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 Department

OIL CONSERVATION DIVISION
1220 South St. Frances Dr.
Santa Fe, NM 87505

HOBBS OCD
MAR 23 2012
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Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease – 4 Copies
Fee Lease – 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-40507	43329	Maljamar; Grayburg-San Andres

Property Code	Property Name	Well Number
38653	RUBY FEDERAL	10

OGRID No.	Operator Name	Elevation
217817	CONOCOPHILLIPS	3962

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	18	17 S	32 E		1140	SOUTH	2310	EAST	LEA

Bottom Hole Location If Different From Surface

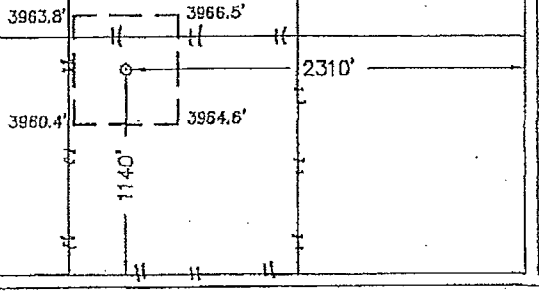
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
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

NOTE:

1) Plane Coordinates shown hereon are Transverse Mercator Grid and Conform to the "New Mexico Coordinate System", New Mexico East Zone, North American Datum of 1927. Distances shown hereon are mean horizontal surface values.



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 of has a right to drill this well at the 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 6/13/13
Date

Rhonda Rogers
Printed Name

rogerrs@conocophillips.com
Email Address

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

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 Department

OIL CONSERVATION DIVISION
1220 South St. Frances Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease – 4 Copies
Fee Lease – 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-40507	44500	Maljamar; Yeso West

Property Code	Property Name	Well Number
39453	RUBY FEDERAL	10

OGRID No.	Operator Name	Elevation
217817	CONOCOPHILLIPS	3962

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	18	17 S	32 E		1140	SOUTH	2310	EAST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.

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

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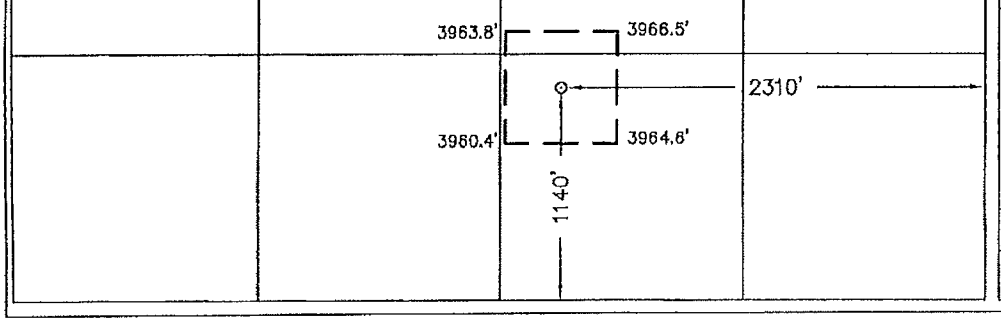

OPERATOR CERTIFICATION

I hereby certify the 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 interestin 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.

Ashley Martin 7/24/12
Signature Date

ashley martin
Printed Name

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 supervison and that the same is true and correct to the best of my belief.

September 14, 2011
Date of Survey

JCC
Signature & Seal of Professional Surveyor

MACON McDONALD NEW MEXICO 12185 REGISTERED PROFESSIONAL SURVEYOR

W.O. Num. 2011-1372

Certificate No. MACON McDONALD 12185

BLM - Downhole Commingling Worksheet

Operator: ConocoPhillips Company
Lease/Well Name/Location: NMLC029405B/ Ruby Federal #10/ UL O, 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)	3503 – 5235'	--	5382 – 6717'	--
Method of production	Artificial Lift	--	Artificial Lift	--
Bottom Hole Pressure (Pinitial, reservoir & Pbottom hole, current)	Pi,r = 1733 Pbh = 800 psi (Based on Ruby Fed 8 downhole pressure gauge)	--	Pi,r = 2600 Pbh = 1200 psi (Based on Yeso fluid level after well has been shut-in)	--
Reservoir Drive mechanism	Combination (Solution gas & water drive)	--	Combination (Solution gas & water drive)	--
Oil gravity and/or BTU	39 1243	--	37 1157	37.8 1223
Average Sulphur Content (Wt%)	0.7069	--	0.6261	0.658
Oil Sample Analysis provided	See Field Study	--	See Field Study	--
Gas Analysis Provided	See Field Study	--	See Field Study	--
Produced Water Analysis provided	See Field Study	--	See Field Study	--
H2S present	180 ppm	--	510 ppm	431 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	20 bopd/ 27Mcfd / 42wpd /	--	28 bopd / 8 Mcfd / 40 bwpd	48 / 35 / 82
Average decline% (provide back up data)	See Field Study	--	See Field Study	--
Fixed Allocation Percentage	Oil:42% Gas:77%		Oil:58% Gas:23%	

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 (510 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

Sundry dated 7/24/2014

ConocoPhillips

Ruby Federal 10

API 3002540507, T17S-R32E, Sec 18

Aug 4, 2014

1. The ongoing Maljamar-Yeso West and Grayburg-San Andres Pool Commingle field study reviewed and Approved by EGF on 7/25/2014 has been accepted by BLM CFO as justification for a downhole pool comingling (DHC) project on the Ruby Federal leases. The Yeso is currently capable of production in paying quantities independently. The Grayburg San Andres cannot be independently developed economically; thus DHC will enhance production and recover additional reserves. This being said, the combined formations should increase field production. The study is work in progress and requires approval to DHC two wells in the Field and indecently produces the Grayburg-San Andres in other wells to establish a typical production type curves.

2. Allocation data must be updated for the field and based upon the final conclusions, of the various test wells.

3. A subsequent sundry detailing work done and a completion report for the Maljamar-Yeso West and Grayburg-San Andres formation is necessary. **Approval is good for 90 days.**

4. Surface disturbance beyond the originally approved pad must have prior approval.
5. Closed loop system required.
6. All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of work over operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.
7. Functional H_2S monitoring equipment shall be on location.
8. 2000 (2M) Blow Out Prevention Equipment to be used. All BOPE and workover procedures shall establish fail safe well control. Ram(s) for the work string(s) used is required equipment. Manual BOP closure system including a blind ram and pipe ram(s) designed to close on all (hand wheels) equipment shall be installed regardless of BOP design. Function test the installed BOPE to 500psig when well conditions allow. Related equipment, (choke manifolds, kill trucks, gas vent or flare lines, etc.) shall be employed when needed for reasonable well control requirements.

EGF 080414