HOBBS OCD OCD Hobbs

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

ATS-14-423

5. Lease Serial No. NM LC 029405B

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DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

UNITED STATES

DEC 03 2014 6. If Indian, Allotee or Tribe Name APPLICATION FOR PERMIT TO DRILL OR REENTER

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la. Type of work: XDRILL REEN	ITER	Ri	CEIAE	7. If Unit or CA Agree N/A	ment, Nam	e and No.	
				8. Lease Name and W	lell No	78	64;
lb. Type of Well: Oil Well Gas Well Other	Si	ngle Zone X Multi	ole Zone	Ruby Federal	CH 110.	58	
2. Name of Operator				9. API Well No.			
ConocoPhillips Company (2/78/7)				30-025- 4	2297	7	
3a. Address 600 N. Dairy Ashford	3b. Phone No	. (include area code)		10. Field and Pool, or Ex	xploratory	/	
P-10-4054	(281)2	06-5281		Maljamar; Yeso	West	1446	500
Houston, TX 77079 4. Location of Well (Report location clearly and in accordance with	any State requiren	ents.*)		11. Sec., T. R. M. or Bl		ey or Area	1 .
At surface UL J 1520' FSL & 1651' FEL				Sec. 18, T17S, F	R32E		
At proposed prod. zone UL O 990' FSL & 1650 FEL					٠		
14. Distance in miles and direction from nearest town or post office*				12. County or Parish	1.	3. State	
Approximately 6.8 miles from Maljamar				Lea		NM	
15. Distance from proposed* 330'	16. No. of a	cres in lease	17. Spacin	g Unit dedicated to this we	ell		
location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	1601.9	6	40				
18. Distance from proposed location* 130'	19. Proposed	d Depth	20. BLM/I	BIA Bond No. on file			
to nearest well, drilling, completed, applied for, on this lease, ft.		TVD/ 6980' MD	ES-008	35			
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approxi	nate date work will star	1*	23. Estimated duration	····		
3972' GL	12/15/	2014		9 days			
	24. Attac	hments					
The following, completed in accordance with the requirements of Onsl	hore Oil and Gas	Order No.1, must be at	tached to thi	s form:			
Well plat certified by a registered surveyor. A Drilling Plan.		4. Bond to cover the Item 20 above).	ne operation	ns unless covered by an ex	xisting bon	d on file	(see
3. A Surface Use Plan (if the location is on National Forest System	m Lands, the	5. Operator certific	ation				
SUPO must be filed with the appropriate Forest Service Office).	,			rmation and/or plans as n	nay be requ	ired by th	he
25. Signature		(Printed/Typed)		. [Date 3	14/2	201
Jusan S. Maunde	r) Susa	n B. Maunder			-01/	14/201	4
Fitle Senior Regulatory Specialist							
		/b : . !/m !\		1-	2.11017	o 4	<u> </u>
Approved by (Signature)	Name	(Printed/Typed)			Oat NOV	2 4	2014
Title Title	Office						
FIELD MANAGER			CARLS	RAD FIELD OFFICE	<u> </u>		
Application approval does not warrant or certify that the applicant ho	lds legal or equit	able title to those right	s in the subj	ect lease which would ent	itle the app	licant to	
conduct operations thereon. Conditions of approval, if any, are attached.			<u>APPRO</u>	VAL FOR TW	O YEA	RS	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a states any false, fictitious or fraudulent statements or representations a	crime for any pe is to any matter w	rson knowingly and within its jurisdiction.	illfully to m	ake to any department or	agency of t	he Unite	đ
(Continued on page 2)				*(Instru	ctions o	n page	2)
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		VW	1.				

Roswell Controlled Water Basin

p/03/14

SEE ATTACHED FOR CONDITIONS OF APPROVAL

DEC 0 4 2014

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Operator Certification

DEC 0 3 2014

RECEIVED

CONOCOPHILLIPS COMPANY

CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of State and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application with bond coverage provided by Nationwide Bond ES0085. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Mounder Date: 3/4/14

Susan B. Maunder

Senior Regulatory Specialist

Well Number: Ruby Federal 58

Drilling Plan ConocoPhillips Company Maljamar; Yeso (west)

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DEC 03 2014

Ruby Federal #58

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Lea County, New Mexico

1. Estimated tops of geological markers and estimated depths to water, oil, or gas formations:

The datum for these depths is RKB (which is 13' above Ground Level).

Formations	Top Depth FT TVD	Top Depths FT MD	Contents
Quaternary	Surface	Surface	Fresh Water
Rustler	696	696	Anhydrite
Salado (top of salt)	866	866	Salt
Tansill (base of salt)	1860	1860	Gas, Oil and Water
Yates	2063	2063	Gas, Oil and Water
Seven Rivers	2371	2372	Gas, Oil and Water
Queen	3001	3007	Gas, Oil and Water
Grayburg	3414	3424	Gas, Oil and Water
San Andres	3777	3790	Gas, Oil and Water
Glorieta	5270	5295	Gas, Oil and Water
Paddock	5347	5373	Gas, Oil and Water
Blinebry	5673	5701	Gas, Oil and Water
Tubb	6749	6780	Gas, Oil and Water
Deepest estimated perforation	6749	6780	Deepest estimated perf. is ~ Top of Tubb
Total Depth (maximum)	6949	6980	200' below deepest estimated perforation

All of the water bearing formations identified above will be protected by setting of the <u>8-5/8</u> surface casing <u>25' - 70' into the Rustler formation</u> and circulating of cement from casing shoe to surface in accordance with the provisions of Onshore Oil and Gas Order No. 2 and New Mexico Oil Conservation Division Title 19.

The targeted oil and gas bearing formations identified above will be protected by setting of the _____5-1/2" production casing _____10' off bottom of TD ___ and circulating of cement from casing shoe to surface in accordance with the provisions of Onshore Oil and Gas Order No. 2 and New Mexico Oil Conservation Division Title 19.

Ruby Federal #58 (Date: 1/15/2014) Page 1 of 10

2. Proposed casing program:

Type	Hole Size	M	Interval ID RKB (ft)	OD	Wt	Gr	Conn	MIY	Col	Jt Str		Safety Fa lated per Co Corporate (nocoPhillips
Туре	(in)	From	То	(inches)	(lb/ft)	Gi	Com	(psi)	(psi)	(klbs)	Burst DF	Collapse DF	Jt Str DF (Tension) Dry/Buoyant
Cond	20	0	40' – 85' (30' – 75' BGL)	16	0.5" wall	В	Line Pipe	N/A	N/A	N/A	NA	NA	NA
Alt. Cond	20	0	40' – 85' (30' – 75' BGL)	13-3/8	48#	H-40	PE	1730	740	N/A	NA	NA	NA
Surf	12-1/4	0	18071#-766	8-5/8	24#	J-55	STC	2950	1370	244	1.57	3.58	3.59
Prod	7-7/8	0	6915' – 6960'	5-1/2	17#	L-80	LTC	7740	6290	338	2.12	2.51	1.98

The casing will be suitable for H₂S Service. All casing will be new.

The surface and production casing will be set approximately 10' off bottom and we will drill the hole with a 45' range uncertainty for casing set depth to fit the casing string so that the cementing head is positioned at the floor for the cement job.

The production casing will be set 155' to 200' below the deepest estimated perforation to provide rathole for the pumping completion and for the logs to get deep enough to log the interval of interest.

Casing Safety Factors - BLM Criteria:

Type	Depth	Wt	MIY	Col	Jt Str	Drill Fluid	Burst	Collapse	Tensile-Dry	Tens-Bouy
Surface Casing	780 786	24	2950	1370	244000	8.5	7.75	3.60	11.8	13.6
Production Casing	6960	17	7740	6290	338000	10	2.12	1.72	2.83	3.34

Casing Safety Factors - Additional ConocoPhillips Criteria:

ConocoPhillips casing design policy establishes Corporate Minimum Design Factors (see table below) and requires that service life load cases be considered and provided for in the casing design.

ConocoPhillips Corporate Criteria for Minimum Design Factors

	Burst	Collapse	Axial
Casing Design Factors	1.15	1.05	1.4

Ruby Federal #58 (Date: 1/15/2014) Page 2 of 10

Type	Depth	WĔ	MIY	Cal	Ji Sii	Pape Viel	i way	Bursi	Côl	Ten						
Conductor	85	e	5 3500	0 -		43298	6 -	7	1 -	•	コ					
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Production Casing (5-W2" 17# L-90 LTC)	6960	1	7 774	0 62	90 23800	39700	0 10	2.1	4 2.5	2 2.0	OC.					
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The maximum internal (burns) lead on the Production Casing occurs during t		tionwhe	en ori on	क्षाध्या स्थ	OMITAL WITHING	Digestid										
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Case #2 MPSP (Field SW @ Bulhead _{cost +} 200 ps)		x	0.052		19.23	-	358	+	200	•	569					
Case #2: MPSP (Kitsk Vol @ next section TD)		Æ	0.052		9.55	-	819.4	-	339	100	2138					
Case #4. MPSP (PPTD - GG) Case #3 & #4 Limited to MPSP (CSFG + 0.2 ppg)		x	0.052 0.052		19.55 19.23	-	896 0.2	٠	2399 774							
MASP (MWtgd + Test Pressure)		×	0.052		8.5	+	1500)=	1639							
Burst Salety Factor (Max. MPSP or MASP)		ĩ	1639		1.60	•		-								
Production Casing Burst Salety Factor:																
Case #1, MPSP (MW tys 10)		x	0.052		10	w w	2819.2									
Case #4. MPSP (PPTD - GG)		x	0.052		9.55	-	896	*	2336							
Burst Safety Factor (Max. MPSP)		į	2619		2.14											
MAWP for the Fracture Stimulation (Corporate Criteria)	= 7740	į	1.15	վ ≖	6730											
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3. Proposed cementing program:

16" or 13-3/8" Conductor:

Cement to surface with rathole mix, ready mix or Class C Neat cement. (Note: The gravel used in the cement is not to exceed 3/8" diameter) TOC at surface.

8-5/8" Surface Casing Cementing Program:

The intention for the cementing program for the Surface Casing is to:

- Place the Tail Slurry from the casing shoe to 300' above the casing shoe,
- Bring the Lead Slurry to surface.

Spacer: 20 bbls Fresh Water

	Slurry		vals VID	Weight ppg	Sx	Vol Cuft	Additives	Yield ft ³ /sx
Lead	Class C	Surface	511' – 566'	13.6	300	510	2% Extender 2% CaCl ₂ 0.125 lb/sx LCM if needed 0.2% Defoamer Excess =75% based on gauge hole volume	1.70
Tail	Class C	511' – 566'	780 711 - 766'	14.8	200	268	1% CaCl2 Excess = 100% based on gauge hole volume	1.34

Displacement: Fresh Water.

Note: In accordance with the Pecos District Conditions of Approval, we will Wait on Cement (WOC) for a period of not less than 18 hrs after placement or until at least 500 psi compressive strength has been reached in both the Lead Slurry and Tail Slurry cements on the Surface Casing, whichever is greater.

5-1/2" Production Casing & Cementing Program:

The intention for the cementing program for the Production Casing is to:

- Place the Tail Slurry from the casing shoe to a point approximately 200' above the top of the Paddock,
- Bring the Lead Slurry to surface.

Spacer: 20 bbls Fresh Water

1	Slurry &	Inter	rvals MD	Weight ppg	Sx	Vol Cuft	Additives	Yield ft³/sx
Lead	50:50 Poz/C	Surface	5200 [,]	11.8	700	1820	10% Bentonite 5% Salt 0.2%-0.4% Fluid loss additive 0.125 lb/sx LCM if needed Excess = 220% or more if needed based on gauge hole volume	2.6
Tail	Class H	5200'	6915' – 6960'	16.4	400	428	0.2% Fluid loss additive 0.3% Dispersant 0.15% Retarder 0.2% Antifoam Excess = 100% or more if needed based on gauge hole volume	1.07

Displacement: Fresh Water with approximately 250 ppm gluteraldehyde biocide.

Ruby Federal #58 (Date: 1/15/2014) Page 4 of 10

5-1/2" Production Casing & Cementing Program – TXI/LW Cementing Option for Grayburg-San Andres:

ConocoPhillips Company respectfully requests the options to our cementing program. This option will only be implemented in the cementing operation of wells requesting for co-mingling after approval and authorization by all agencies have been obtained. The intention for the alternative option to the cementing program for the Production Casing is to:

- Accommodate the additional frac'ing and stimulation of the Grayburg-San Andres by placement of the Tail Slurry from the casing shoe to the top of the Grayburg-San Andres formation,
- Bring the Lead Slurry to surface.

Spacer: 20 bbls Fresh Water

	Slurry	Inter Ft i	rvals MD	Weight ppg	Sx	Vol Cuft	Additives	Yield ft³/sx
Lead	50:50 Poz/C	Surface	3000'	11.8	500	1300	10% Bentonite 8 lbs/sx Salt 0.2%-0.4% Fluid loss additive 0.125 lb/sx LCM if needed Excess = 200% or more if needed based on gauge hole volume	2.6
Tail	TXI/LW	3000′	6915' – 6960'	13.2	800	1120	0.5% Fluid loss additive 0.10% Retarder 0.2% Antifoam 0.125 lb/sx LCM if needed Excess = 150% or more if needed based on gauge hole volume	1.40

Displacement: Fresh Water with approximately 250 ppm gluteraldehyde biocide.

Proposal for Option to Adjust Production Casing Cement Volumes:

The production casing cement volume presented above are estimates based on gauge 7-7/8" hole. We will adjust these volumes based on the caliper log data for each well and our trends for amount of cement returns to surface. Also, if no caliper log is available for any particular well, we would propose an option to possibly increase the production casing cement volume to account for any uncertainty in regard to the hole volume.

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4. Pressure Control Equipment:

A 11" 3M system will be installed, used, maintained, and tested accordingly as described in Onshore Oil and Gas Order No. 2.

Our BOP equipment will be:

- Rotating Head
- o Annular BOP, 11" 3M
- o Blind Ram, 11" 3M
- o Pipe Ram, 11" 3M

After nippling up, and every 30 days thereafter or whenever any seal subject to test pressure is broken followed by related repairs, blowout preventors will be pressure tested. BOP will be inspected and operated at least daily to insure good working order. All pressure and operating tests will be done by an independent service company and recorded on the daily drilling reports. BOP will be tested using a test plug to isolate BOP stack from casing. BOP test will include a low pressure test from 250 to 300 psi for a minimum of 10 minutes or until requirements of test are met, whichever is longer. Ram type preventers and associated equipment will be tested to the approved stack working pressure of 3000 psi isolated by test plug. Annular type preventers will be tested to 50 percent of rated working pressure, and therefore will be tested to 1500 psi. Pressure will be held for at least 10 minutes or until provisions of test are met, whichever is longer. Valve on casing head below test plug will be open during testing of BOP stack. BOP will comply with all provisions of Onshore Oil and Gas Order No. 2 as specified. See Attached BOPE Schematic. A variance is respectfully requested to allow for the use of flexible hose. The variance request is included as a separate enclosure with attachments.

5. Proposed Mud System:

The mud systems that are proposed for use are as follows:

DEPTH	TYPE	Density ppg	FV sec/qt	API Fluid Loss cc/30 min	рН	Vol bbl
0 – Surface Casing Point	Fresh Water or Fresh Water Native Mud in Steel Pits	8.5 – 9.0	28 – 40	N.C.	N.C.	120 – 160
Surface Casing Point to TD	Brine (Saturated NaCl ₂) in Steel Pits	10	29	N.C.	10 – 11	500 – 1000
Conversion to Mud at TD	Brine Based Mud (NaCl ₂) in Steel Pits	10	33 – 40	5 – 10	10 – 11	0 – 750

Gas detection equipment and pit level flow monitoring equipment will be on location. A flow paddle will be installed in the flow line to monitor relative amount of mud flowing in the non-pressurized return line. Mud probes will be installed in the individual tanks to monitor pit volumes of the drilling fluid with a pit volume totalizer. Gas detecting equipment and H2S monitor alarm will be installed in the mud return system and will be monitored. A mud gas separator will be installed and operable before drilling out from the Surface Casing. The gases shall be piped into the flare system. Drilling mud containing H2S shall be degassed in accordance with API RP-49, item 5.14.

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In the event that the well is flowing from a waterflow, then we would discharge excess drilling fluids from the steel mud pits through a fas-line into steel frac tanks at an offset location for containment. Depending on the rate of waterflow, excess fluids will be hauled to an approved disposal facility, or if in suitable condition, may be reused on the next well.

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No reserve pit will be built.

Proposal for Option to Not Mud Up at TD:

FW, Brine, and Mud volume presented above are estimates based on gauge 12-1/4" or 7-7/8" holes. We will adjust these volume based on hole conditions. We do not plan to keep any weighting material at the wellsite. Also, we propose an option to not mud up leaving only brine in the hole if we have good hole stability.

6. Logging, Coring, and Testing Program:

- a. No drill stem tests will be done
- b. Remote gas monitoring planned for the production hole section (optional).
- c. No whole cores are planned
- d. The open hole electrical logging program is planned to be as follows:
 - Total Depth to 2500': Resistivity, Density, and Gamma Ray
 - Total Depth to surface Casing Shoe: Caliper
 - Total Depth to surface, Gamma Ray and Neutron
 - Formation pressure data (XPT) on electric line if needed (optional)
 - Rotary Sidewall Cores on electric line if needed (optional)
 - BHC or Dipole Sonic if needed (optional)
 - Spectral Gamma Ray if needed (optional)

7. Abnormal Pressures and Temperatures:

- No abnormal pressures are expected to be encountered.
- Loss of circulation is a possibility in the horizons below the Top of Grayburg. We expect that normal Loss of Circulation Material will be successful in healing any such loss of circulation events.
 - o The bottom hole pressure is expected to be 8.55 ppg gradient.
 - The expected Bottom Hole Temperature is 115 degrees F.
- The estimated H₂S concentrations and ROE calculations for the gas in the zones to be penetrated are presented in the table below for the various producing horizons in this area:

FORMATION / ZONE	H2S (PPM)	Gas Rate (MCFD)	ROE 100 PPM	ROE 500 PPM
Grayburg / San Andres (from MCA)	14000	38	59	27
Yeso Group	400	433	34	15



ConocoPhillips will comply with the provisions of Oil and Gas Order # 6, Hydrogen Sulfide Operations. Also, ConocoPhillips will provide an H2S Contingency Plan (please see copy attached) and will keep this plan updated and posted at the wellsite during the drilling operation.

8. Anticipated starting date and duration of operations:

Well pad and road constructions will begin as soon as all agency approvals are obtained. Anticipated date to drill this well as early as 2014 after receiving approval of the APD.

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Attachments:

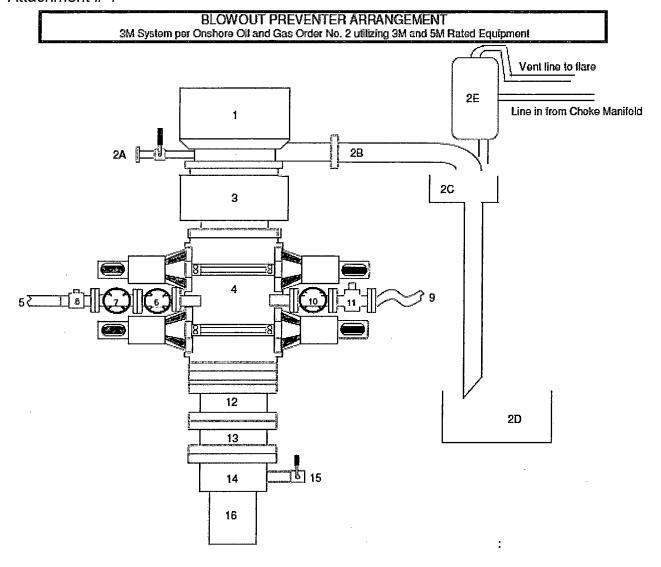
- Attachment # 1 BOP and Choke Manifold Schematic 3M System
- Attachment # 2 Diagram of Choke Manifold Equipment

Contact Information:

Proposed 15 January 2014 by: Steven Herrin Drilling Engineer, ConocoPhillips Company Phone (281) 206-5115 Cell (432) 209-7558

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Attachment # 1



Item Description

- 1 Rotating Head, 11"
- 2A Fill up Line and Valve
- 2B Flow Line (10")
- 2C Shale Shakers and Solids Settling Tank
- 2D Cuttings Bins for Zero Discharge
- 2E Rental Mud Gas Separator with vent line to flare and return line to mud system
- 3 Annular BOP (11", 3M)
- 4 Double Ram (11", 3M, equipped with Blind Rams and Pipe Rams)
- 5 Kill Line (2" flexible hose, 3000 psi WP)
- 6 Kill Line Valve, Inner (3-1/8", 3000 psi WP)
- 7 Kill Line Valve, Outer (3-1/8*, 3000 psi WP)
- 8 Kill Line Check Valve (2-1/16", 3000 psi WP
- 9 Choke Line (5M Stainless Steel Coffex Line, 3-1/8* 3M API Type 6B, 3000 psi WP)
- 10 Choke Line Valve, Inner (3-1/8", 3000 psi WP)
- 11 Choke Line Valve, Outer, (Hydraulically operated, 3-1/8", 3000 psi WP)
- 12 Adapter Flange (11" 5M to 11" 3M)
- 13 Spacer Spool (11", 5M)
- 14 Casing Head (11" 5M)
- 15 Ball Valve and Threaded Nipple on Casing Head Outlet, 2" 5M
- 16 Surface Casing

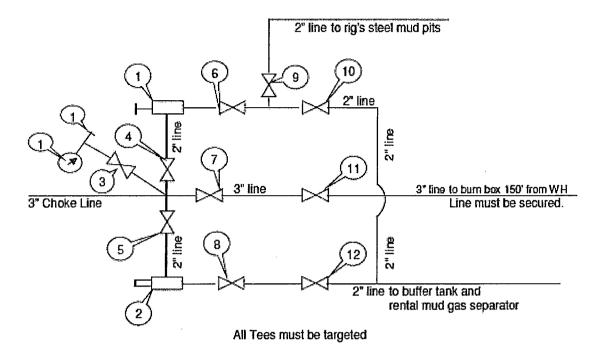
Submitted by: Steven Herrin, Drilling Engineer, Mid-Continent Business Unit, ConocoPhillips Company, 03-Jan-2014

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Attachment # 2

CHOKE MANIFOLD ARRANGEMENT

3M System per Onshore Oil and Gas Order No. 2 utilizing 3M and 5M Equipment



Item Description

1 Manual Adjustable Choke, 2-1/16", 3M

2 Remote Controlled Hydraulically Operated Adjustable Choke, 2-1/16", 3M

3 Gate Valve, 2-1/16" 5M

4 Gate Valve, 2-1/16" 5M

5 Gate Valve, 2-1/16" 5M

6 Gate Valve, 2-1/16" 5M

7 Gate Valve, 3-1/8" 3M

8 Gate Valve, 2-1/16" 5M

9 Gate Valve, 2-1/16" 5M

10 Gate Valve, 2-1/16" 5M

11 Gate Valve, 3-1/8" 3M

12 Gate Valve, 2-1/16" 5M

13 Pressure Gauge

14 2" hammer union tie-in point for BOP Tester

We will test each valve to 3000 psi from the upstream side.

Submitted by:

Steven Herrin

Drilling Engineer, Mid-Continent Business Unit, ConocoPhillips Company

Date: 3-January-2014

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ConocoPhillips MCBU

Buckeye Ruby Federal Ruby Federal 58

Original Hole

Plan: Plan Design

Standard Planning Report - Geographic

11 December, 2013

Planning Report - Geographic

EDM Central Planning Database: Local Co-ordinate Reference: Well Ruby Federal 58 ConocoPhillips MCBU Company: TVD Reference: RKB @ 3985.0usft (PD 822) Buckeye Project: RKB @ 3985.0usft (PD 822) MD Reference: Site: Ruby Federal North Reference: Grid Well: Ruby Federal 58 **Survey Calculation Method:** Minimum Curvature Original Hole Wellbore: Plan Design Design:

Project Buckeye, Lea County, NM

Map System: US State Plane 1927 (Exact solution) System Datum: Mean Sea Level

Geo Datum: NAD 1927 (NADCON CONUS)

Map Zone: New Mexico East 3001 Using geodetic scale factor

Ruby Federal, New Mexico, Southeast Site Northing: 666,097.48 usft Site Position: Latitude: 32° 49' 48.040 N From: Lat/Long Easting: 666,763.63 usft Longitude: 103° 47' 25.559 W Position Uncertainty: Slot Radius: 3.5 usft **Grid Convergence:** 0.29

Well Ruby Federal 58, Deviated Well **Well Position** +N/-S 0.0 usft 32° 49' 53.310 N +E/-W 0.0 usft Easting: 663,185.74 usft Longitude: 103° 48' 7.459 W Position Uncertainty 0.0 usft Wellhead Elevation: Ground Level: 3,972.0 usft

 Wellbore
 1 Original Hole

 Magnetics
 Model Name
 Sample Date
 Declination (°)
 Dip Angle (°)
 Field Strength (nT)

 BGGM2013
 12/3/2013
 7.55
 60.64
 48,689

Design Plan Design **Audit Notes:** Version: **PROTOTYPE** 0.0 Phase: Tie On Depth: +E/-W Vertical Section: Depth From (TVD) +N/-S Direction (usft) (usft) (usft) (°) 0.0 0.0 0.0 179.61

Plan Sections	- 10 July 1 m					• •		:	-	
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	.0.0	0.0	0.00	0.00	0.00	0.00	
1,860.0	0.00	0.00	1,860.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,351.4	7.37	179.61	2,350.1	-31.6	0.2	1.50	1.50	0.00	179.61	
5,496.1	7.37	179.61	5,468.8	-435.0	2.9	0.00	0.00	0.00	0.00	
6,970.4	0.00	0.00	6,939.0	-529.7	3.6	0.50	-0.50	0.00	180.00	Ruby Federal 58 (BH

Planning Report - Geographic

Database: Company: Project:

Design:

EDM Central Planning ConocoPhillips MCBU

Plan Design

Project: Buckeye
Site: Ruby Federal
Well: Ruby Federal 58
Wellbore: Original Hole

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Ruby Federal 58

RKB @ 3985.0usft (PD 822) RKB @ 3985.0usft (PD 822)

Grid

Minimum Curvature

Measure	ed	** .		Vertical			Map	Map		
Depth		nation	Azimuth	Depth	+N/-S	+E/-W	Northing	Easting	• •	• • • • • • • • • • • • • • • • • • • •
(usft)		(°).	; (°)	(usft)	(usft)	(usft)	(usft)	(usft)	Latitude	Longitude
	0.0	0.00	0.00	0,0	0.0	0.0	666,611.93	663,185.74	32° 49' 53.310 N	103° 48' 7.4
8	0.0	0.00	0.00	80.0	0.0	0.0	666,611.93	663,185.74	32° 49' 53.310 N	103° 48′ 7.4
Conc	luctor				•					•
	0.0	0.00	0.00	100.0	0.0	0.0	666,611.93	663,185.74	32° 49′ 53.310 N	103° 48′ 7.4
	0.0	0.00	0.00	200.0	0.0	0.0	666,611.93	663,185.74	32° 49′ 53.310 N	103° 48' 7.4
30	0.0	0.00	0.00	300.0	0.0	0.0	666,611.93	663,185.74	32° 49' 53.310 N	103° 48' 7.4
40	0.0	0.00	0.00	400.0	0.0	0.0	666,611.93	663,185.74	32° 49' 53.310 N	103° 48' 7.4
	0.0	0.00	0.00	500.0	0.0	0.0	666,611.93	663,185.74	32° 49′ 53.310 N	103° 48' 7.4
60	0.0	0.00	0.00	600.0	0.0	0.0	666,611.93	663,185.74	32° 49' 53.310 N	103° 48' 7.4
	6.0	0.00	0.00	696.0	0.0	0.0	666,611.93	663,185.74	32° 49′ 53.310 N	103° 48' 7.4
Rust							,			
	0.0	0.00	0.00	700.0	. 0.0	0.0	666,611,93	663,185.74	32° 49' 53.310 N	103° 48' 7.4
	6.0	0.00	0.00	766.0	0.0	0.0	666,611.93	663,185.74	32° 49' 53.310 N	103° 48' 7.4
Surfa		0.00			0.0	0.0	000,011.00		02 10 00.010 11	100 10 7.1
	0.0	0.00	0.00	800.0	0.0	0.0	666,611.93	663,185.74	32° 49' 53.310 N	1020 4017 4
	6.0	0.00	0.00	866.0			666,611.93	663,185.74		103° 48' 7.4
		0.00	0.00	0.00.0	0.0	0.0	000,011.93	003,103.74	32° 49′ 53.310 N	103° 48' 7.4
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1,00		0.00	0.00	1,000.0	0.0	0.0	666,611.93	663,185.74	32° 49' 53.310 N	103° 48' 7.4
1,10		0.00	0.00	1,100.0	0.0	0.0	666,611.93	663,185.74	32° 49' 53.310 N	103° 48′ 7.4
1,20		0.00	0.00	1,200.0	0.0	0.0	666,611.93	663,185.74	32° 49′ 53.310 N	103° 48' 7.4
1,30		0.00	0.00	1,300.0	0.0	0.0	666,611.93	663,185.74	32° 49' 53.310 N	103° 48' 7.4
1,40		0.00	0.00	1,400.0	0.0	0.0	666,611.93	663,185.74	32° 49' 53.310 N	103° 48' 7.4
1,50		0.00	0.00	1,500.0	0.0	0.0	666,611.93	663,185.74	32° 49' 53.310 N	103° 48' 7.4
1,60		0.00	0.00	1,600.0	0.0	0.0	666,611.93	663,185.74	32° 49' 53.310 N	103° 48' 7.4
1,70	0.0	0.00	0.00	1,700.0	0.0	0.0	666,611.93	663,185.74	32° 49′ 53,310 N	103° 48′ 7.4
1,80	0.0	0.00	0.00	1,800.0	0.0	0.0	666,611.93	663,185.74	32° 49' 53.310 N	103° 48' 7.4
1,860	0.0	0.00	0.00	1,860.0	0.0	0.0	666,611.93	663,185.74	32° 49' 53.310 N	103° 48' 7.4
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1,900		0.60	179.61	1,900.0	-0.2	0.0	666,611.72	663,185.74	32° 49' 53.308 N	103° 48' 7.4
2,000		2.10	179.61	2,000.0	-2.6	0.0	666,609.37	663,185.75	32° 49' 53.285 N	103° 48' 7.4
2,063		3.05	179.61	2,063.0	-5.4	0.0	666,606.53	663,185.77	32° 49' 53.257 N	103° 48' 7.4
Yates		•		-,					•	
2,100		3.60	179.61	2,099.8	-7.5	0.1	666,604.39	663,185.79	32° 49' 53.235 N	103° 48' 7.4
2,200		5.10	179.61	2,199.6	-15.1	0.1	666,596.81	663,185.84	32° 49' 53.160 N	103° 48' 7.4
2,300		6.60	179.61	2,299.0	-25.3	0.2	666,586.62	663,185.91	32° 49' 53.060 N	103° 48' 7.4
2,351		7.37	179.61	2,350.1	-31.6	0.2	666,580.36	663,185.95	32° 49' 52.998 N	103° 48' 7.4
2,372		7.37	179.61	2,371.0	-34.3	0.2	666,577.66	663,185.97	32° 49' 52.971 N	103° 48' 7.4
	Rivers	7.07	173.01	2,071.0	-54.5	0.2	000,017.00	000,100.07	02 43 02.37114	100 40 7.4
2,400		7.37	179.61	2,398.2	-37.8	0.3	666,574.13	663 185 00	32° 49' 52.936 N	103° 48' 7 4
2,500		7.37 7.37	179.61	2,396.2 2,497.4	-57.6 -50.6	0.3	666,561.30	663,185.99 663,186.08	32° 49' 52.809 N	103° 48' 7.4! 103° 48' 7.4!
2,600		7.37	179.61	2,596.6	-63.5 76.3	0.4	666,548.48	663,186.17	32° 49' 52.682 N	103° 48' 7.4
2,700		7.37	179.61	2,695.8	-76.3	0.5	666,535.65	663,186.25	32° 49' 52.555 N	103° 48' 7.4
2,800		7.37	179.61	2,794.9	-89.1	0.6	666,522.82	663,186.34	32° 49′ 52.428 N	103° 48' 7.4!
2,900		7.37	179.61	2,894.1	-101.9	0.7	666,509.99	663,186.43	32° 49′ 52.301 N	103° 48′ 7.45
3,000		7.37	179.61	2,993.3	-114.8	0.8	666,497.16	663,186.51	32° 49' 52.174 N	103° 48' 7.4
3,007	.8	7.37	179.61	3,001.0	-115.8	0.8	666,496.16	663,186.52	32° 49′ 52.164 N	103° 48' 7.4
Queer	r' ·	:					*			
3,100	.0	7.37	179.61	3,092.5	-127.6	0.9	666,484.33	663,186.60	32° 49′ 52.047 N	103° 48' 7.45
3,200	.0	7.37	179.61	3,191.6	-140.4	1.0	666,471.50	663,186.69	32° 49' 51.920 N	103° 48' 7.45
3,300	.0	7.37	179.61	3,290.8	-153.3	1.0	666,458.67	663,186.77	32° 49' 51.793 N	103° 48' 7.45
3,400	Λ.	7.37	179.61	3,390.0	-166.1	1.1	666,445.84	663,186.86	32° 49' 51.666 N	103° 48' 7.4

Planning Report - Geographic

EDM Central Planning ConocoPhillips MCBU Database: Company: Project: Buckeye Ruby Federal Site: Ruby Federal 58 Original Hole Well: Wellbore: Plan Design Design:

Well Ruby Federal 58 Local Co-ordinate Reference: RKB @ 3985.0usft (PD 822) RKB @ 3985.0usft (PD 822) TVD Reference: MD Reference: Grid North Reference: Survey Calculation Method:

Minimum Curvature

Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Map Northing	Map Easting		1
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft).	(usft)	Latitude	Longitude
3,424.2	7.37	179.61	3,414.0	-169.2	1.1	666,442.73	663,186.88	32° 49' 51.636 N	103° 48′ 7.45
Grayburg	3 .	•				* .	•	* \$	
3,500.0	7.37	179.61	3,489.2	-178.9	1.2	666,433.01	663,186.95	32° 49' 51.540 N	103° 48' 7.4
3,600.0	7.37	179.61	3,588.3	-191.8	1.3	666,420.18	663,187.03	32° 49' 51.413 N	103° 48' 7.4
3,700.0	7.37	179.61	3,687.5	-204.6	1.4	666,407.35	663,187.12	32° 49' 51.286 N	103° 48' 7.4
3,790.2	7.37	179.61	3,777.0	-216.2	1.5	666,395.78	663,187.20	32° 49' 51.171 N	103° 48' 7.4
San And	res				•		• •	•	*
3,800.0	7.37	179.61	3,786.7	-217.4	1.5	666,394.52	663,187.21	32° 49′ 51.159 N	103° 48' 7.4
3,900.0	7.37	179.61	3,885.8	-230.2	1.6	666,381.70	663,187.29	32° 49' 51.032 N	103° 48' 7.4
4,000.0	7.37	179.61	3,985.0	-243.1	1.6	666,368.87	663,187.38	32° 49' 50.905 N	103° 48' 7.4
4,100.0	7.37	179.61	4,084.2	-255.9	1.7	666,356.04	663,187.47	32° 49′ 50.778 N	103° 48' 7.45
4,200.0	7.37	179.61	4,183.4	-268.7	1.8	666,343.21	663,187.55	32° 49′ 50.651 N	103° 48' 7.45
4,300.0	7.37	179.61	4,282.5	-281.6	1.9	666,330.38	663,187.64	32° 49' 50.524 N	103° 48' 7.48
4,400.0	7.37	179.61	4,381.7	-294.4	2.0	666,317.55	663,187.73	32° 49′ 50.397 N	103° 48' 7.45
4,500.0	7.37	179.61	4,480.9	-307.2	2.1	666,304.72	663,187.81	32° 49' 50.270 N	103° 48' 7.45
4,600.0	7.37	179.61	4,580.1	-320.1	2.2	666,291.89	663,187.90	32° 49' 50.143 N	103° 48' 7.45
4,700.0	7.37	179.61	4,679.2	-332.9	2.3	666,279.06	663,187.99	32° 49' 50.016 N	103° 48′ 7.45
4,800.0	7.37	179.61	4,778.4	-345.7	2.3	666,266.23	663,188.07	32° 49' 49.889 N	103° 48' 7.45
4,900.0	7.37	179.61	4,877.6	-358.5	2.4	666,253.40	663,188.16	32° 49' 49.762 N	103° 48' 7.45
5,000.0	7.37	179.61	4,976.8	-371.4	2.5	666,240.57	663,188.25	32° 49' 49.635 N	103° 48' 7.45
5,100.0	7.37	179.61	5,075.9	-384.2	2.6	666,227.74	663,188.34	32° 49' 49.508 N	103° 48' 7.45
5,200.0	7.37	179.61	5,075.5 5,175.1	-397.0	2.7	666,214.92	663,188.42	32° 49' 49.381 N	103° 48' 7.45
5,295.7	7.37	179.61	5,175.1	-409.3	2.8	666,202.64	663,188.51	32° 49' 49.260 N	103° 48' 7.45
	1.51	179.01	5,270.0	-405.3	2.0	000,202.04	003,100.31	32 49 49.200 N	103 46 7.43
Glorieta	7.07	470.04	5.074.0	400.0		000 000 00	000 400 54	200 401 40 074 11	4009 4017 45
5,300.0	7.37	179.61	5,274.3	-409.9	2.8	666,202.09	663,188.51	32° 49' 49.254 N	103° 48' 7.45
5,373.3	7.37	179.61	5,347.0	-419.3	2.8	666,192.68	663,188.57	32° 49' 49.161 N	103° 48' 7.45
Paddock					••				
5,400.0	7.37	179.61	5,373.4	-422.7	2.9	666,189.26	663,188.60	32° 49' 49.128 N	103° 48' 7.45
5,496.1	7.37	179.61	5,468.8	-435.0	2.9	666,176.93	663,188.68	32° 49' 49.005 N	103° 48' 7.45
5,500.0	7.35	179.61	5,472.6	-435.5	2.9	666,176.43	663,188.68	32° 49' 49.001 N	103° 48′ 7.45
5,600.0	6.85	179.61	5,571.9	-447.9	3.0	666,164.07	663,188.77	32° 49' 48.878 N	103° 48' 7.45
5,700.0	6.35	179.61	5,671.2	-459.4	3.1	666,152.57	663,188.84	32° 49' 48.764 N	103° 48' 7.45
5,701.8	6.34	179.61	5,673.0	-459.6	3.1	666,152.37	663,188.85	32° 49' 48.762 N	103° 48' 7.45
Blinebry						Sterna T			
5,800.0	5.85	179.61	5,770.6	-470.0	3.2	666,141.94	663,188.92	32° 49' 48.659 N	103° 48' 7.45
5,900.0	5.35	179.61	5,870.1	-479.8	3.2	666,132.18	663,188.98	32° 49′ 48.563 N	103° 48' 7.44
6,000.0	4.85	179.61	5,969.8	-488.7	3.3	666,123.29	663,189.04	32° 49' 48,475 N	103° 48′ 7.44
6,100.0	4.35	179.61	6,069.4	-496.7	3.4	666,115.26	663,189.10	32° 49' 48.395 N	103° 48′ 7.44
6,200.0	3.85	179.61	6,169.2	-503.8	3.4	666,108.11	663,189.14	32° 49′ 48.325 N	103° 48' 7.44
6,300.0	3.35	179.61	6,269.0	-510.1	3.5	666,101.83	663,189.19	32° 49' 48.262 N	103° 48′ 7.44
6,400.0	2.85	179.61	6,368.8	-515.5	3.5	666,096.42	663,189.22	32° 49′ 48.209 N	103° 48' 7.44
6,500.0	2.35	179.61	6,468.7	-520.1	3.5	666,091.88	663,189.25	32° 49' 48.164 N	103° 48' 7.44
6,600.0	1.85	179.61	6,568.7	-523.8	3.5	666,088.21	663,189.28	32° 49' 48.128 N	103° 48' 7.44
6,700.0	1.35	179.61	6,668.6	-526.5	3.6	666,085.42	663,189.30	32° 49' 48.100 N	103° 48' 7.44
6,780.4	0.95	179.61	6,749.0	-528.2	3.6	666,083.80	663,189.31	32° 49' 48.084 N	103° 48' 7.44
Tubb						The second of th			
6,800.0	0.85	179.61	6,768.6	-528.5	3.6	666,083,49	663,189.31	32° 49′ 48.081 N	103° 48' 7.44
6,900.0	0.35	179.61	6,868.6	-529.5	3.6	666,082.44	663,189.32	32° 49′ 48.071 N	103° 48' 7.44
6,960.0	0.05	179.61	6,928.6	-529.7	3.6	666,082.23	663,189.32	32° 49' 48.068 N	103° 48' 7.44
Productio						330,000.00			
6,970.4	0.00	0.00	6,939.0	-529.7	3.6	666,082.23	663,189.32	32° 49' 48.068 N	103° 48' 7.44

Planning Report - Geographic

Database: EDM Central Plan	ning	Local Co-ordinate Reference:	Well Ruby Federal 58
Company: ConocoPhillips MC	CBU	TVD Reference:	RKB @ 3985.0usft (PD 822)
Project: Buckeye Site: Ruby Federal		MD Reference:	RKB @ 3985 Ousft (PD 822)
Well: Ruby Federal 58		Survey Calculation Method:	Minimum Curvature
Wellbore: Original Hole			
Design: Plan Design			the second secon

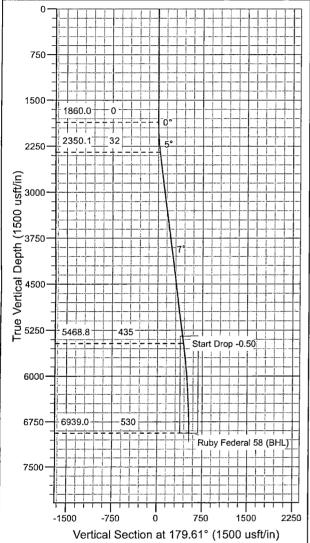
Design Targets Target Name hit/miss target Shape	p Angle (°)	Dip Dir.	TVĎ (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Ruby Federal 58 (BHL) - plan hits target center - Circle (radius 150.0)	0.00	0.00	6,939.0	-529.7	3.6	666,082.23	663,189.32	32° 49' 48.068 N	103° 48′ 7.448 W

Casing Points Measured Depth (usft)	Vertical Depth (usft)		Casing Hole Diameter Diameter Name ("), (")
80.0	80.0	Conductor	16 20
766.0	766.0	Surface	8-5/8 12-1/4
6,960.0	6,928.6	Production	5-1/2 7-7/8

Measured Depth (usft)	Vertical Depth (usft)	Name	Dip Dip Direction Lithology (°) (°)
 696.0	696.0	Rustler	0.00
866.0	866.0	Salado	0.00
1,860.0	1,860.0	Tansill	0.00
2,063.1	2,063.0	Yates	0.00
2,372.5	2,371.0	Seven Rivers	0.00
3,007.8	3,001.0	Queen	0.00
3,424.2	3,414.0	Grayburg	0.00
3,790.2	3,777.0	San Andres	0.00
5,295.7	5,270.0	Glorieta	. 0,00
5,373.3	5,347.0	Paddock	0.00
5,701.8	5,673.0	Blinebry	0.00
6,780.4	6,749.0	Tubb	0.00



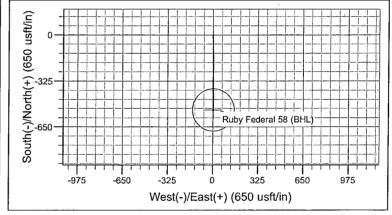
Proposed Directional Well Plan



Project: Buckeye Site: Ruby Federal Well: Ruby Federal 58 Wellbore: Original Hole Design: Plan Design

WELL DETAILS: Ruby Federal 58								
+N/-S + 0.0		Ground Level: 3972.0 thing Easting Latittude Longitude 11.93 663185.73 32° 49' 53.310 N 103° 48' 7.459 W						

	SECTION DETAILS										
Sec MD 1 0.0 21860.0 32351.4 45496.1 56970.4		0.00 179.61 179.61	TVD 0.0 1860.0 2350.1 5468.8 6939.0	+N/-S 0.0 0.0 -31.6 -435.0 -529.7	2.9	0.00 0.00 1.50 0.00	TFace 0.00 0.00 179.61 0.00 180.00	0.0 0.0 31.6 435.0	Target Ruby Federal 58 (BHL)		



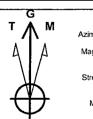
CASING DETAILS									
TVD 80.0 766.0 6928.6	MD 80.0 766.0 6960.0	Name Conductor Surface Production	16 8-5/8						

MDPath	Formation
696.0	Rustler
866.0	Salado
1860.0	Tansill
2063.1	Yates
2372.5	Seven Rivers
3007.8	Queen
3424.2	Grayburg
3790.2	San Andres
5295.7	Glorieta
5373.3	Paddock
5701.8	Blinebry
	696.0 866.0 1860.0 2063.1 2372.5 3007.8 3424.2 3790.2 5295.7 5373.3

6749.0 6780.4

FORMATION TOP DETAILS

Tubb



Azimuths to Grid North True North: -0.29° Magnetic North: 7.26°

Magnetic Field Strength: 48688.5snT Dip Angle: 60.64° Date: 12/3/2013 Model: BGGM2013

Request for Variance

ConocoPhillips Company

Lease Number: NM LC 029405B

Well: Ruby Federal 58

Location: Sec. 18, T17S, R32E

Date: 1/22/2014

Request:

See

ConocoPhillips Company respectfully requests a variance to install a flexible choke line instead of a straight choke line prescribed in the Onshore Order No. 2, III.A.2.b Minimum standards and enforcement provisions for choke manifold equipment. This request is made under the provision of Onshore Order No. 2, IV Variances from Minimum Standard. The rig to be used to drill this well is equipped with a flexible choke line if the requested variance is approved and determined that the proposed alternative meets the objectives of the applicable minimum standards.

Justifications:

The applicability of the flexible choke line will reduce the number of target tees required to make up from the choke valve to the choke manifold. This configuration will facilitate ease of rig up and BOPE Testing.

Attachments:

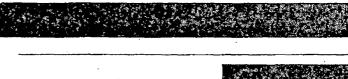
- Attachment # 1 Specification from Manufacturer
- Attachment # 2 Mill & Test Certification from Manufacturer

Contact Information:

Program prepared by: Steve Herrin Drilling Engineer, ConocoPhillips Company Phone (281) 206-5115 Cell (432) 209-7558

Date: 26 September 2012











Reliance Eliminator Choke & Kill

This hose can be used as a choke hose which connects the BOP stack to the bleed-off manifold or a kill hose which connects the mud stand pipe to the BOP kill valve.

The Reliance Eliminator Choke & Kill hose contains a specially bonded compounded cover that replaces rubber covered Asbestos, Fibregiass and other fire retardant materials which are prone to damage. This high cut and gouge resistant cover overcomes costly repairs and downtime associated with older designs.

The Reliance Eliminator Choke & Kill hose has been verified by an independent engineer to meet and exceed EUB Directive 36 (700°C for 5 minutes).

Nom. ID		Nor	n OD	Weight		Min Be	nd Radius	Max WP	
in.	mm.	in.	mm	ib/ft	kg/m	in.	mm.	psi	Mpa
.3	76.2	5.11	129.79	14.5	21.46	48	1219.2	5000	34.47
3-1/2	88.9	5.79	147.06	20.14	29.80	54	1371.6	5000	34.47

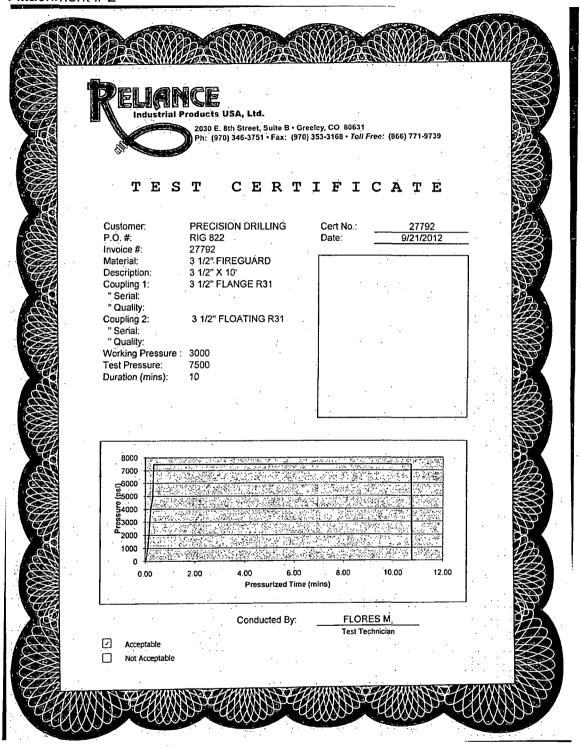


ittings	
RC4X5055	R35
RC3X5055	R31 -
RC4X5575	ì

Flanges - 3-1/8 5000# API Type 6B - 3-1/8 3000# API Type 6B

Hammer Unions All Union Configurations LP Threaded Connectio

Other Graylock Custom Ends



Closed Loop System Design, Operating and Maintenance, and Closure Plan

ConocoPhillips Company Well: Ruby Federal 58

Location: Sec. 18, T17S, R32E

Date: 1/14/2014

ConocoPhillips proposes the following plan for design, operating and maintenance, and closure of our proposed closed loop system for the above named well:

1. We propose to use a closed loop system with steel pits, haul-off bins, and frac tanks for containing all cuttings, solids, mud, water, brine, and liquids. We will not dig a pit, nor will we use a drying pad, nor will we build an earth pit above ground level, nor will we dispose of or bury any waste on location.

All drilling waste and all drilling fluids (fresh water, brine, mud, cuttings, drill solids, cement returns, and any other liquid or solid that may be involved) will be contained on location in the rig's steel pits or in hauloff bins or in frac tanks as needed. The intent is as follows:

- We propose to use the rigs' steel pits for containing and maintaining the drilling fluids.
- We propose to remove cuttings and drilled solids from the mud by using solids control equipment and to contain such cuttings and drilled solids on location in haul-off bins.
- We propose that any excess water that may need to be stored on location will be stored in tanks.

The closed loop system components will be inspected daily by each tour and any needed repairs will be made immediately. Any leak in the system will be repaired immediately, and any spilled liquids and/or solids will be cleaned immediately, and the area where any such spill occurred will be remediated immediately.

2. Cuttings and solids will be removed from location in haul-off bins by an authorized contractor and disposed of at an authorized facility. For this well, we propose the following disposal facility:

R-360 Inc.

4507 West Carlsbad Hwy, Hobbs, NM 88240, P.O. Box 388; Hobbs, New Mexico 88241

Toll Free Phone: 877.505.4274, Local Phone Number: 432.638.4076

The physical address for the plant where the disposal facility is located is Highway 62/180 at mile marker 66 (33 miles East of Hobbs, NM and 32 miles West of Carlsbad, NM).

The Permit Number for R-360 is NM-01-0006.

A photograph showing the type of haul-off bins that will be used is attached.

- 3. Mud will be transported by vacuum truck and disposed of at R-360 Inc. at the facility described above.
- 4. Fresh Water and Brine will be hauled off by vacuum truck and disposed of at an authorized salt water disposal well. We propose the following for disposal of fresh water and brine as needed:
 - Nabors Well Services Company, 3221 NW County Rd; Hobbs, NM 88240, PO 5208 Hobbs, NM, 88241, Permit SWD 092. (Well Location: Section 3, T19S R37E)
 - Basic Energy Services, P.O. Box 1869; Eunice, NM 88231 Phone Number: 575.394.2545, Facility located at Hwy 18, Mile Marker 19; Eunice, NM.

Steven Herrin Drilling Engineer Office: 281-206-5115 Cell: 432.209.7558

SPECIFICATIONS

FLOOR: 3/16" PL one piece GROSS MEMBER: 3 × 4.1 channel 165 on

center
WALLS: 3/16" PL solid welded with rubing
top, insi de liner hooks
DOOR: 3/16" PL with tubing/frame
FRONT: 3/16" PL stant formed
PICK UP: Standard cable with 2" x 6" x 1/4" ralls, guissel al each drossmember

WHEELS: 10 DIA x 9 long with rease fittings DOOR LATCH: 3 independent ratchet roinders with chains vertical second later CASKETISE Extraced rubber seal with metal

retainers WELDS: Alliweids continuous except sub structur e crossmembers

FINISH: Coated inside and out with direct to metal, rust inhibiting acrylic enamel color coat. HYDROTESTING: Full capacity static test. DIMEN SIONS: 22-11 long (21-8 inside). 99' wide (88 inside), see drawing for height. OPTIONS: Steel grit blast and special paint. Amplicell, Heil and Dine pickup

ROOF 3/16" PLicoof panels with (ubing and channel support frame

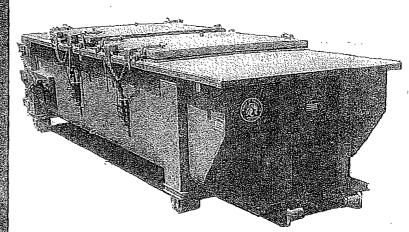
LIDS: (2) 68" x 90" metal rolling lids spring loaded, self-raising

ROLLERS: 4" V-groove rollers with delrin bearings and grease fittings OPENING: (2) 60" x 82" openings with 8" divider centered on container

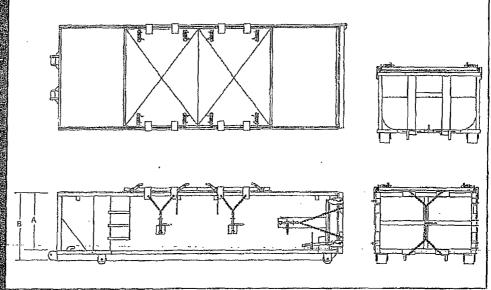
LATCH (2) Independent ratchet binders with chains 9246

GASKETS Extruded rubber seal with metal retainers

Heavy Duty Split Metal Rolling Lid



CONT.	А	В
20 YD	41	53
25 YD	53	65
30 YD	65	77

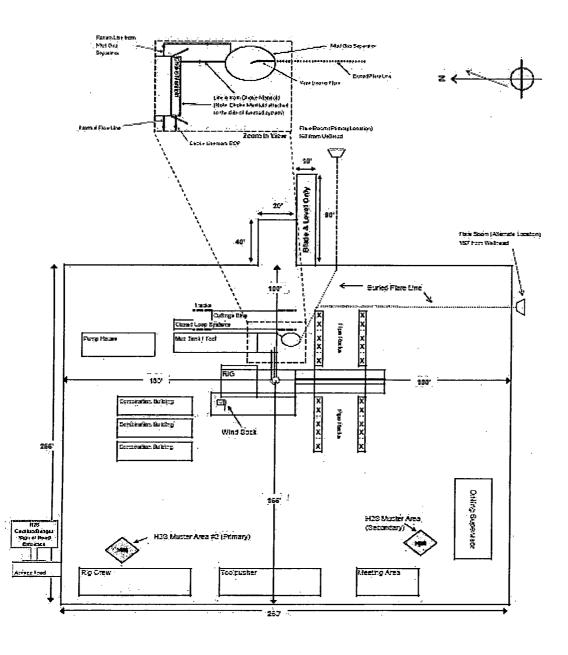


Location Schematic and Rig Layout for Closed Loop System

(PRETBIE NOT 10 SEALE)

Reviewed by: Steven Herrin Drilling Engineer, ConnacoPhillips Company Date: updated Sarvery 26/94

NOTE: There are two counter areas depending on the prevating wind direction, generally south in this area. The muster area that is furthest upwards crosswind will be the designated area for briefing and accessing the cluation. In the event a full evacuation is deemed necessary, all personnel will exist the location via the access road. If the distin access road is blocked off, they will exist via a secondary road (if available) or walk off rough in the upward-processariod direction.





H₂S Contingency Plan

H₂S Contingency Plan Holders:

Attached is an H₂S Contingency Plan for COPC Permian Drilling working in the West Texas and Southeastern New Mexico areas operated by ConocoPhillips Company.

If you have any questions regarding this plan, please call Tom Samarripa at ConocoPhillips Company, 432.368.1263.

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- I. Purpose
- II. Scope
- III. Procedures
- IV. Emergency Equipment and Maintenance

Emergency Equipment Suppliers General Information H2S Safety Equipment and Monitoring Systems

- V. Emergency Call List
- VI. Public/Media Relations
- VII. Pubic Notification/Evacuation
- VIII. Forms/Reports