OCD Hobbs

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FEB 21 2013 FORM APPROVED Form 3160-3 OMB No. 1004-0137 (March 2012) Expires October 31, 2014 UNITED STATES RECEIVE D5. Lease Serial No. DEPARTMENT OF THE INTERIOR NM LC 029405 B BUREAU OF LAND MANAGEMENT 6. If Indian, Allotee or Tribe Name APPLICATION FOR PERMIT TO DRILL OR REENTER 7. If Unit or CA Agreement, Name and No. DRILL la. Type of work: REENTER 8. Lease Name and Well No ✓ Single Zone ✓ Oil Well Gas Well Multiple Zone lb. Type of Well: Other Ruby Federal #28 Name of Operator ConocoPhillips Company 3a. Address P.O. Box 51810 3b. Phone No. (include area code 432-688-6913 Maljamar; Yeso West Midland, Texas 79710-1810 11. Sec., T. R. M. or Blk. and Survey or Area 4. Location of Well (Report location clearly and in accordance with any State requirements.*) At surface UL F, Sec. 17, T17S, R32E; 1650' FNL & 1500' FWL Sec. 17, T17S, R32E At proposed prod. zone 12. County or Parish 13. State 14. Distance in miles and direction from nearest town or post office* Approximately 3 miles south of Maljamar, New Mexico Lea County MM 16. No. of acres in lease 1601.96 17. Spacing Unit dedicated to this well Distance from proposed* 1650' FNL location to nearest 20 acres property or lease line, ft. (Also to nearest drig. unit line, if any) 20. BLM/BIA Bond No. on file Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.
 Approximately 825' from MCA #7 19. Proposed Depth 6987' TVD/MD ES0085 21. Elevations (Show whether DF, KDB, RT, GL, etc.) 22. Approximate date work will start* 23. Estimated duration 03/01/2013 4019' GL 20 days 24. Attachments The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must be attached to this form: 1. Well plat certified by a registered surveyor. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). 2. A Drilling Plan, 5. Operator certification 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). Such other site specific information and/or plans as may be required by the

25. Signatur Susand Maunder	Name (Printed/Typed) Susan B. Maunder

-15-12

Title

Senior Regulatory Specialist

Approved by (Signature) /s/ James A. Amos Name (Printed/Typed)

Date FFR 2 0 2013

Title

FIELD MANAGER

Office

CARLSBAD FIELD OFFICE

Application approval 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.

Conditions of approval, if any, are attached.

APPROVAL FOR TWO YEARS

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.

(Continued on page 2)

*(Instructions on page 2)

Roswell Controlled Water Basin

Approval Subject to General Requirements & Special Stipulations Attached

SEE ATTACHED FOR CONDITIONS OF APPROVAL

Drilling Plan ConocoPhillips Company Maljamar; Yeso, west

Ruby Federal #28

Lea County, New Mexico

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

The ranges of depths for the formation tops, thicknesses, and planned Total Depths for all the wells to be drilled under this Master Drilling Plan are presented in the table below.

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

Formations	Top Depths FT MD	Contents			
Quaternary	Surface	Fresh Water			
Rustler	760	Anhydrite			
Salado (top of salt)	941	Salt			
Tansill	1956	Gas, Oil and Water			
Yates	2134	Gas, Oil and Water			
Seven Rivers	2428	Gas, Oil and Water			
Queen	3065	Gas, Oil and Water			
Grayburg	3486	Gas, Oil and Water			
San Andres	3834	Gas, Oil and Water			
Glorieta	5337	Gas, Oil and Water			
Paddock	5424	Gas, Oil and Water			
Blinebry	5806	Gas, Oil and Water			
Tubb	6787	Gas, Oil and Water			
Deepest estimated perforation	6787	Deepest estimated perf. is ~ Top of Tubb			
Total Depth (maximum)	6987	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.

(Date: November 15, 2012)

Ruby Federal #28

2. Proposed casing program:

Tuno	Hole Size		Interval D RKB (ft)	OD	Wt	Gr	Conn	MIY	Col	Jt Str		Safety Fac 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	NĄ	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	785' – 830'	8-5/8	24#	J-55	STC	2950	1370	244	1.23	5.74	2.08
Prod	7-7/8	0	6932' – 6977'	5-1/2	17#	L-80	LTC	7740	6290	338	1.15	2.03	1.69

The casing will be suitable for H₂S Service.

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 Design (Safety) Factors - BLM Criteria:

Туре	Depth	Wt	MIY	Col	Jt Str	Drill Fluid	Burst	Collapse	Tensile-Dry	Tens-Bouy
Surface Casing	830	24	2950	1370	244000	8.5	8.04	3.73	12.25	14.08
Production Casing	6977	17	7740	6290	338000	10	2.13	1.73	2.85	3.36

Casing Design (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

(Date: November 15, 2012) Ruby Federal #28

Pipe Yiel MW Depth Wt Col Jt Str Burst Collapse Tensile Surface Casing (8-5/8" 24#J-55 STC) 2950 1370 244000 381000 830 7740 6290 Production Casing (5-1/2" 17# L-80 LTC) . Burst Design (Safety) Factors - ConocoPhillips Criteria The maximum internal (burst) load on the Surface Casing occurs when the surface casing is tested to 1000 psi (pressured up to 1100 psi). The maximum internal (burst) load on the Production Casing occurs during the fracture stimulation where the maximum allowable working pressure (MAWP) is the pressure that would fit ConocoPhillips Corporate Criteria for Minimum Design Factors. Surface Casing Test Pressure = 1000 psi isq 0006 Surface Rated Working Pressure = . Surface Casing Burst Design Factor = Burst Rating / Maximum Pressure during Casing Pressure Test Production Casing MAVVP for the Fracture Stimulation = Minimum Internal Yelid / Production Casing Burst Design Factor Surface Casing Burst Design Factor: Designed CSFG (Test Pressure + MWP) ≤ Έ[1000 MPSP (CSFG - GG) = 83 1327 MPSP (PPTD - GG) = 6977 0.052 8.55 697.7 MPSP (0.375 % BHP) = 0.375 6977 0.052 8.55 830 0.052 32.67 1410 MPCS (CSFG) = Bust Design Factor = 2950 2404 1.23 Production Casing Burst Design Factor: MPSP (SRWP) = MPSP (PPTD - GG) = 6977 0.052 8.55 2404 MPSP $(0.375 \times BHP) =$ 0.375 6977 0.052 Burst Design Factor (Max. MPSP) = 7740 2.58 6730 MAWP for the Fracture Stimulation = 7740 1.15 Collapse Design (Safety) Factors - ConocoPhillips Criteria The maximum collapse load on the Surface Casing occurs when the pressure is released after bumping the plug on the surface casing cement job. The maximum collapse load on the production casing occurs with the well is pumped off on production. We plan to cement the production casing to surface, and therefore the external pressure profile on the production casing should be equal to the pore pressure of the horizons on the outside of the casing which we estimate to be 8.55 ppg gradient. Surface Casing Collapse Design Factor = Collapse Rating / (Cement Column Hydrostatic Pressure - Displacement Fluid Hydrostatic Pressure) Production Casing Collapse Design Factor = Collapse Rating / Maximum Possible Pore Pressure Surface Casing Collapse Design Factor: Collapse Design Factor = 1370 0.052 14.8 Collapse Design Factor = Production Casing Collapse Design Factor: 6977 Collapse Design Factor = Collapse Design Factor = Joint Strength Design (Safety) Factors - ConocoPhillips Criteria The maximum axial (tension) load occurs if casing were to get stuck and pulled on to try to get it unstuck. Maximum Allowable Hookload = Joint Strength Rating / Axial Design Factor Overpull Margin (Air Wt) = Maximum Allowable Hook Load - Air Wt of the String Overpull Margin (Bouyant) = Maximum Allowable Hook Load - Air Wt of the String Surface Casing (Minimum Pipe Yield) Max Hookload (Air Wt) = 19920 19920 Max Hookload (Bouyant) + Overpull = 100,000 0.870 117335 Tensile Design Factor = 397000 117335 3.38 · Actual Overpull Margin to Satisfy COP min DF = 397000 Production Casing (Minimum Pipe Yield) Max Hookload (Air Wt) = Max Hookload (Bouyant) + Overpull = 100,000 (; 118609 0.847 200501 Tensile Design Factor = 381000 200501 1.90 Actual Overpull Margin to Satisfy COP min DF = 171642 381000 100501 1.40 Surface Casing (Minimum Jt Strength) Max Hookload (Air Wt) = 19920 0.870 Max Hookload (Bouyant) + Overpull = 1 100,000 • 19920 117335 Tensile Design Factor = 244000 117335 2 08 Actual Overpull Margin to Satisfy COP min DF = 244000 17335 156951 Surface Casing (Minimum Jt Strength) Max Hookload (Air VVt) = Max Hookload (Bouyant) + Overpull = 100,000 + (118609 0.647 200501 Tensile Design Factor = 338000 200501 1.69 Actual Overpull Margin to Satisfy COP min DF = 338000

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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: 8-5/8" 24# J-55 STC

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	Inter Ft I		Weight ppg	Sx	Vol Cuft	Additives	Yield ft ³ /sx
Lead	Class C	Surface	485' – 530'	13.6	350	595	4%Bentonite 2%CaCl2 .125%Polyflake 0.2% antifoam Excess =230% based on gauge hole volume	1.70
Tail	Class C	485' – 530'	785' – 830'	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: 5-1/2" 17# L-80 LTC

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

	Slurry	Intervals Ft MD				Additives	Yield ft³/sx	
Lead	50:50 Poz/C	·· Surface	5200'	11.8	1000	- 2640	10% Bentonite 8 lbs/sx Salt 0.4% Fluid loss additive 0.125% LCM if needed Excess = 220% or more if needed based on gauge hole volume	2.64
Tail	Class H	5200'	6932' – 6977'	16.4	650	696	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.

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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.

4. Pressure Control Equipment:

A <u>... 11". 3M...</u> 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
- Annular BOP, 11" 3M
- Blind Ram, 11" 3M
- 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	8.5 – 9.0	28 – 40	N.C.	N.C.	120 – 160
Surface Casing Point to TD	Brine (Saturated NaCl ₂)	10	29	N.C.	10 – 11	1250 - 2500
Conversion to Mud at TD	Brine Based Mud (NaCl ₂)	10	34 – 45	5 – 10	10 – 11	0 - 1250

Drilling mud containing H2S shall be degassed in accordance with API RP-49, item 5.14. The gases shall be piped into the flare system. Gas detection equipment and pit level flow monitoring equipment will be on location. ConocoPhillips Company will maintain sufficient mud and weighting material on location at all times.

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. Also, we propose an option to not mud up leaving only brine in the hole.

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6. Logging, Coring, and Testing Program: See COA

- a. No drill stem tests will be done
- b. Mud logging 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.
 - o 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

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 these wells begin from late 2012 through the 2013 after receiving approval of the APD.

Attachments:

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

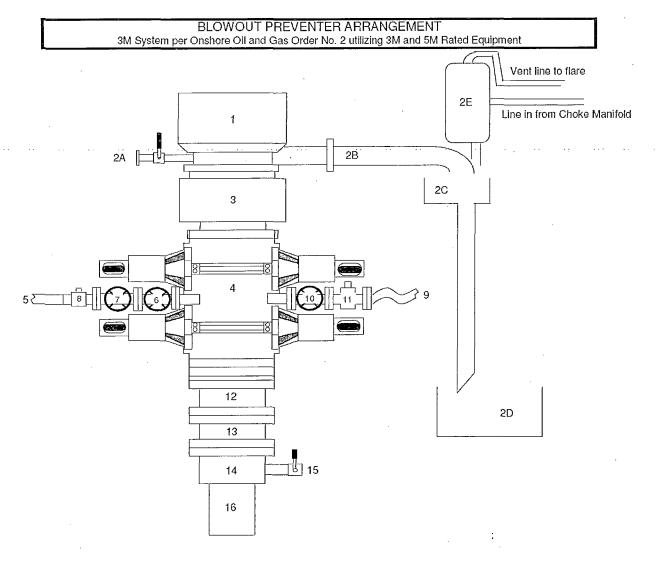
Contact Information:

Program prepared by: James Chen Drilling Engineer, ConocoPhillips Company Phone (832) 486-2184 Cell (832) 768-1647 Date: 27 August 2012

(Date: November 15, 2012) Ruby Federal #28

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Attachment # 1



- ltem Description
 - Rotating Head, 11"
 - 2A Fill up Line and Valve
 - 2B Flow Line (10")
 - 2C Shale Shakers and Solids Settling Tank
 - Cuttings Bins for Zero Discharge 2D
 - Rental Mud Gas Separator with vent line to flare and return line to mud system 2E

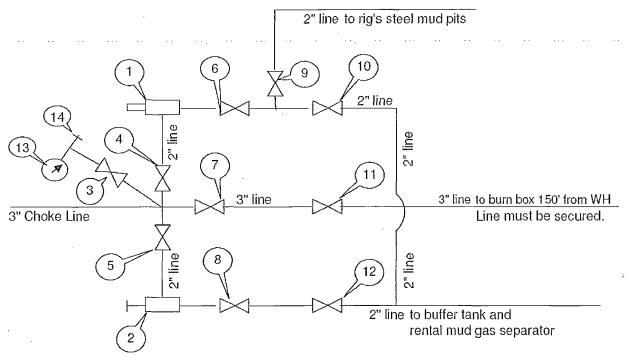
 - Annular BOP (11", 3M)
 Double Ram (11", 3M, equipped with Blind Rams and Pipe Rams)
 - Kill Line (2" flexible hose, 3000 psi WP)
 - Kill Line Valve, Inner (3-1/8", 3000 psi WP)
 - Kill Line Valve, Outer (3-1/8", 3000 psi WP)
 - Kill Line Check Valve (2-1/16", 3000 psi WP 8
 - Choke Line (5M Stainless Steel Coflex Line, 3-1/8" 3M API Type 6B, 3000 psi WP)
 - 10 Choke Line Valve, Inner (3-1/8", 3000 psi WP)
 - Choke Line Valve, Outer, (Hydraulically operated, 3-1/8", 3000 psi WP) 11
 - 12 Adapter Flange (11" 5M to 11" 3M)
 - Spacer Spool (11", 5M) 13
 - 14 Casing Head (11"5M)
 - 15 Ball Valve and Threaded Nipple on Casing Head Outlet, 2" 5M
 - 16 Surface Casing

Submitted by: James Chen, Drilling Engineer, Mid-Continent Business Unit, ConocoPhillips Company, 25-Sep-2012

Attachment # 2

CHOKE MANIFOLD ARRANGEMENT

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



All Tees must be targeted

Item Description

- Remote Controlled Hydraulically Operated Adjustable Choke, 2-1/16", 3M 1
- 2 Manual Adjustable Choke, 2-1/16", 3M
- Gate Valve, 2-1/16" 5M 3
- Gate Valve, 2-1/16" 5M 4
- 5 Gate Valve, 2-1/16" 5M
- 6 Gate Valve, 2-1/16" 5M
- 7
- Gate Valve, 3-1/8" 3M
- Gate Valve, 2-1/16" 5M 8
- 9 Gate Valve, 2-1/16" 5M
- 10 Gate Valve, 2-1/16" 5M
- Gate Valve, 3-1/8" 3M 11
- 12 Gate Valve, 2-1/16" 5M
- 13 Pressure Gauge
- 2" hammer union tie-in point for BOP Tester 14

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

Drawn by:

Steven O. Moore

Chief Drilling Engineer, Mid-Continent Business Unit, ConocoPhillips Company

Date: 25-Sept-2012

(Date: November 15, 2012) Ruby Federal #28

Request for Variance

ConocoPhillips Company

Lease Number: NM LC 029405B

Well: Ruby Federal #28

Location: Sec. 17, T17S, R32E

Date: 11-15-12

Request:

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: James Chen Drilling Engineer, ConocoPhillips Company Phone (832) 486-2184 Cell (832) 768-1647

Date: 15 November 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.

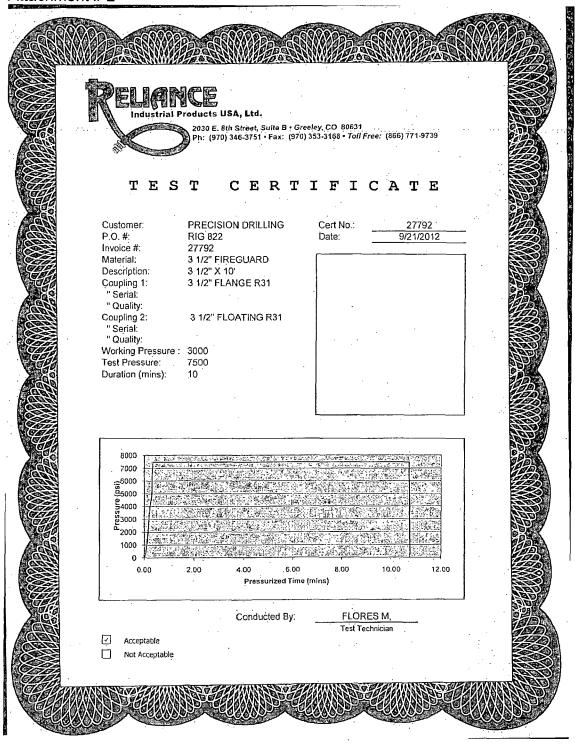
The Reliance Eliminator Choke & Kill hose contains a specially bonded compounded cover that replaces rubber covered Asbestos, Fibreglass and other fire retardant materials which are prone to damage. This high cut and gouge resistant cover overcomes costly repairs and downtime associated with older designs.

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).

Non	ı. ID	Non	n OD	We	ight	Min Be	nd Radius	Max	WP
in.	mm.	iņ.	mm	lb/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



Fittings	Flanges	Hammer Unions	Other
RC4X5055 RC3X5055	R35 - 3-1/8 5000# API Type 6B R31 - 3-1/8 3000# API Type 6B	All Union Configurations	LP Threaded Connectio Graylock
RC4X5575	101 - 3-1/0 0000# AFT Type on	•	Custom Ends
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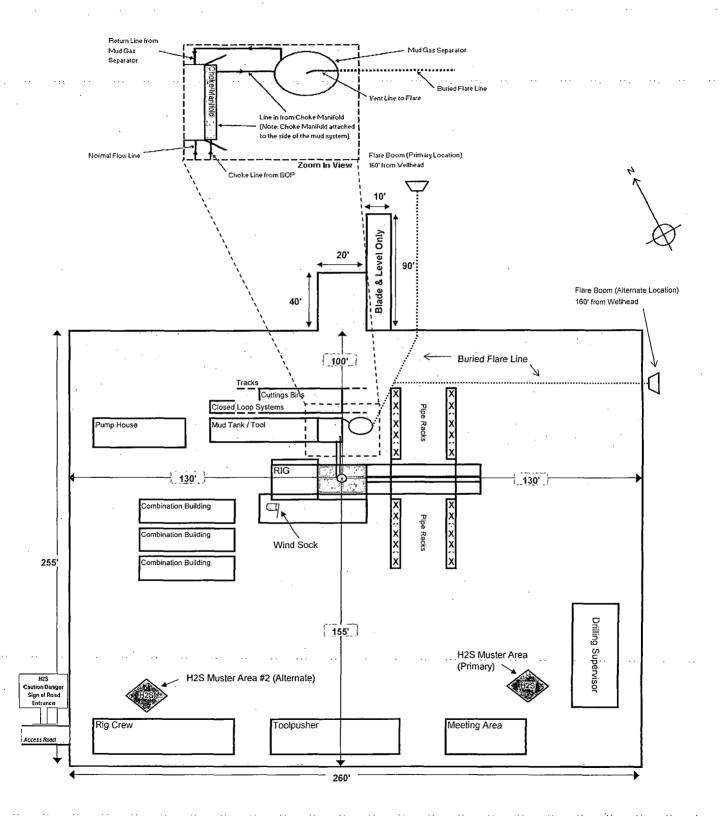


ConocoPhillips

Lease Number: LC 029405B Ruby Federal #28 1650' FNL & 1500' FWL; Sec 17, T17S, R32E Location Schematic and Rig Layout for Closed Loop System

(PICTURE NOT TO SCALE)

Drawn by: James Chen Drilling Engineer, ConocoPhillips Company Date: 12-November-2012



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

ConocoPhillips Company Well: Ruby Federal #28

Location: Sec. 17, T17S, R32E

Date: 11-15-12

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's 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:

Controlled Recovery Inc./Operator: R-360 Permian Basin, LLC 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-1-006/R-9166

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 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.

James Chen Drilling Engineer Office: 832.486.2184 Cell: 832.678.1647

SPECIFICATIONS

Heavy Duty Split Metal Rolling Lid

FLOOR 3/16" PL one piece

CROSS MEMBER: 3 x 4.1 channel 16" on

center

WALLS: 3/16" PL solid welded with tubing

too, inside liner hooks

DOOR: 3/16" PL with tubing frame FRONT: 3/16" PL slant formed

PICK UIP: Standard cable with 2" x 6" x 1/4"

rails, guisset at each crossmember

WHEELS: 10 DIA x 9 long with rease fittings. DOOR LATCH: 3 Independent ratches.

binders with chains, vertical second latch GASKE TS: Extruded rubber seal with met

retainers

WELDS: All welds continuous except sub-

structure crossmembers

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

Ampliroll, Heil and Dino pickup

ROOF: 3/16" PL roof panels with tubing and

channel support frame

LIDS: (2) 68" x 90" metal rolling lids spring.

loaded, self raising

ROLLERS: 4" V-groove rollers with delring

bearings and grease fittings

OPENING: (2) 60" x 82" openings

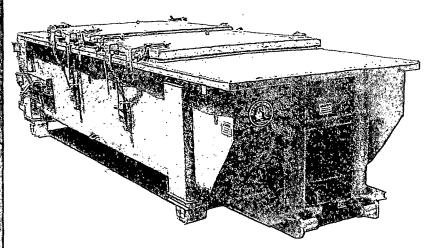
with 8" divider centered on

contain er

LATCH (2) independent ratchet binders with chains

per lid

GASKETS: Extruded rubbe seal with metal retainers



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

