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Form 3160-3 (March 2012) MAY 2 8 2013	-OCD-Arte	<del>:sia</del>	FORM OMB N Expires O	APPROVED 5. 1004-0137 ctober 31, 2014
RECEIVED UNITED STATES	S INTERIOR NA GEMENT		5. Lease Serial No. NM LC 029405B	
APPLICATION FOR PERMIT TO	DRILL OR REENTER		6. If Indian, Allotee N/A	or Tribe Name
Ia. Type of work: IDRILL REENT	ER		7. If Unit or CA Agree N/A	ement, Name and No.
Ib. Type of Well: Oil Well Gas Well Other	Single Zone Mu	ltiple Zone	8. Lease Name and W Ruby Federal #35	1ell No. 38653
2. Name of Operator ConocoPhillips Company	<21781	17	9. API Well No. 30-025- 4	17
Ja. Address P.O. Box 51810 Midland, Texas 79710-1810	432-688-6913		Maljamar; Yeso We	st < 4454
<ol> <li>Location of Well (Report location clearly and in accordance with a At surface 2310' FNL and 2310' FWL; UL F, Section 18,</li> </ol>	ny State requirements.*) , T17S, R32E		11. Sec., T. R. M. or Bl Section 18, T17S, F	k. and Survey or Area 32E
At proposed prod. zone 2310' FNL and 2310' FWL; UL F, S	Section 18, T17S, R32E			
14. Distance in miles and direction from nearest town or post office* Approximately 3 miles south of Maljamar, New Mexico			12. County or Parish Lea County	13. State NM
<ul> <li>15. Distance from proposed*</li> <li>2310' FNL</li> <li>property or lease line, ft.</li> <li>(Also to nearest drig, unit line, if any)</li> </ul>	16. No. of acres in lease 1601.9	17. Spacin 40 acre	ng Unit dedicated to this w	ell
<ol> <li>Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.</li> </ol>	19. Proposed Depth 6919' MD/TVD	20. BLM/ ES 008	BIA Bond No. on file 5	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3961' GL	22 Approximate date work will s 10/05/2013		23. Estimated duration 10 days	
	24. Attachments			
The following, completed in accordance with the requirements of Onsho	ore Oil and Gas Order No.1, must be	attached to th	is form:	
<ol> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> <li>A Surface Use Plan (if the location is on National Forest System SUPO must be filed with the appropriate Forest Service Office).</li> </ol>	<ul> <li>4. Bond to cover Item 20 above</li> <li>Lands, the</li> <li>5. Operator certi</li> <li>6. Such other si BLM.</li> </ul>	r the operatio ). fication te specific inf	ns unless covered by an e ormation and/or plans as a	xisting bond on file (see may be required by the
25. Signature Susan B Mauren	Name (Printed/Typed) Susan B. Maunder			Date 2/25/20
Senior Regulatory Specialist				•
Approved by (Signature) /s/George MacDonell	Name (Printed/Typed) /s/G	eorge N	lacDonell	<sup>Date</sup> MAY 2 2 201
itle FIELD MANAGER	Office CARLSBAD F	IELD OFF	ICE	
Application approval does not warrant or certify that the applicant hole onduct operations thereon. Conditions of approval, if any, are attached.	ds legal or equitable title to those rig	ghts in the sub	ojectlease which would en	title the applicant to DR TWO YEAR
itle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a c tates any false, fictitious or fraudulent statements or representations as	rime for any person knowingly and to any matter within its jurisdiction.	I willfully to n	nake to any department or	agency of the United
(Continued on page 2)	. <u> </u>	Ros	well Controlled	Water Basin
			1/	1.
			KAT I	a017

& Special Stipulations Attached

MAY 3 0 2013

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## Drilling Plan ConocoPhillips Company <u>Maljamar; Yeso, west</u>

### Ruby Federal #35

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 ET MD	Contents
Quaternary	Surface	Fresh Water
Rustler	686	Anhydrite
Salado (top of salt)	861	Salt
Tansill	1859	Gas, Oil and Water
Yates	2059	Gas, Oil and Water
Seven Rivers	2349	Gas, Oil and Water
Queen	2991	Gas, Oil and Water
Grayburg	3423	Gas, Oil and Water
San Andres	3787	Gas, Oil and Water
Glorieta	5253	Gas, Oil and Water
Paddock	5332	Gas, Oil and Water
Blinebry	5691	Gas, Oil and Water
Tubb	6719	Gas, Oil and Water
Deepest estimated perforation	6719	Deepest estimated perf. is ~ Top of Tubb
Total Depth (maximum)	6919	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 <u>5-1/2</u>" production casing <u>10' off bottom of TD</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.

#### 2. Proposed casing program:

RA

Tuno	Hole Size	M	Interval D RKB (ft)	OD	Wt	Wt		MIY	Col	Jt Str	Calcu	Safety Fac lated per Co Corporate 0	ctors nocoPhillips Criteria
Туре	(in)	From	То	(inches)	(lb/ft)		Colin	(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	711' - 756'	8-5/8	24#	J-55	STC	2950	1370	244	1.24	6.25	2.11
Prod	7-7/8	0	6864' – 6909'	5-1/2	17#	L-80	LTC	7740	6290	338	1.15	2.05	1.69

The casing will be suitable for H<sub>2</sub>S 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 Design (Safety) Factors - BLM Criteria:

Туре	Depth	Wt	MIY	Col	Jt Str	Drill Fluid	Burst	Collapse	Tensile-Dry	Tens-Bouy
Surface Casing	756	24	2950	1370	244000	8.5	8.83	4.10	13.45	15.45
Production Casing	6909	17	7740	6290	338000	10	2.15	1.75	2.88	3.40

#### 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
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	Burst	Collapse	Axial
Casing Design Factors	1.15	1.05	1.4

Page 2 of 9

	Depth	Ŵt	MIY	Col	Jt Str	Pipe Yi	el MW	Burst	C	ollapse	Tensile	יי י ר			
Surface Casing (8-5/8" 24# J-55 STC) Production Casing (5-1/2" 17# L-80 LTC)	756 6909	<u>24</u> 17	2950	1370 6290	338000	39700			1.24	2.05	1.69	]			· .
<u> Burst Design (Safety) Factors - ConocoPhil</u>	<u>ips Criteria</u>													ч.	
The maximum internal (burst) load on the Surface Casing maximum internal (burst) load on the Production Casing o	occurs when i	the surface the fracture s	cesing is test timulation wh	led to 1	000 psi (press maximum allov	sured up to wable wor	) 1100 psi). king pressi	The ire							
(MAWP) is the pressure that would fit ConocoPhillips Co	porate Criteria	for Minlinum	Design Facto	ρί <b>s</b> .	indxindin oilo		inig proport								
Surface Casing Test Pressure =	1000 p	osi					r								
Surface ratics working Pressure = Surface Cesing Burst Design Factor = Bur Production Cesing MAWP for the Fracture	st Rating / Maxi Stimulation = Mi	num Pressu nimum Interr	re during Ca nal Yeild / Pro	sing Pre duction	ssure Test Casing Burst I	Design Fe	ctor						•		
Surface Casing Burst Design Factor:	_		· ,									•			
Designed CSFG (Test Pressure + MWP)	≤ ([ - 760	1000	+	393)	)/(	756	X 75 6	0.	052	)- 1200.	0.5	Ş.	34.94		4
MPSP (CSFG - GG) - MPSP (PPTD - GG) -	- 758 - 6909	x	0.052	x	8.55		690.9	=		2381					
MPSP (0.375 x BHP)	= 0.375	X	6909	x	0.052	x	8.55	] =		1152			·		
MPCS (CSFG)	= 756	×	0.052	x	34.94	=	1373								
Bust Design Factor: Production Casing Burst Design Factor:	= 2950	. /	2381	=	1.24										
MPSP (SRWP)	= 3000										•			•	
MPSP (PPTD - GG)	6909	x	0.052	X	8.55	-	690.9	_ =		2381			,		
MPSP (0.375 x BHP) :	= 0,375	x	6909	X	0.052	х	8.55	=		1152					
Burst Design Factor (Max. MPSP) MAWP for the Eracture Stimulation	= //4U = 7740	, ,	1 15	=	6730										
				<b>.</b> .											
Colleges Distan (Safat & Fastam Conserve	hilling Crite	-1-													
The maximum collapse load on the Surface Casing occur	s when the pre	ssure is rele	eased after b	umpina	the plug on the	e surface i	casina cem	ent							
Job. The maximum collapse load on the production casing	occurs with th	ne well is pu	mped off on I	producti	ion. We plan to	o cement t	he product	on							
casing to surface, and therefore the external pressure p	ofile on the pro	duction cas	ing should be	equal t	o the pore pre	ssure of t	he horizons	on the							
outside of the opeles which we actimite to he 9.55 and															
Surface Cooling Colleges Design Federal	radient.	liconart C	uno Hudror	telle Dr	neure - Dicoli	an amard E	uid Hudros	Intia Draw							
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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	vals MD	Weight ppg	Sx	Vol Cuft	Additives	Yield ft <sup>3</sup> /sx
Lead	Class C	Surface	411' – 456'	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	411' – 456'	711' 756'	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	Inter Ft	rvals MD	Weight ppg	Sx	Vol Cuft	Additives	Yield ft <sup>3</sup> /sx
Lead	50:50 Poz/C	Surface	5200'	11.8	1000	2640	10% Bentonite 8 Ibs/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'	6864' — 6909'	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

ConocoPhillips respectfully requests an additional option to our cementing program. The intention of this alternative is to accommodate additional isolation of the Grayburg-San Andres formation with cement.

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

The intention for cementing of the Production Casing is to:

- Place 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	rvals MD	Weight ppg	Sx	Vol Cuft	Additives	Yield ft <sup>3</sup> /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'	6864' – 6909'	13.2	1300	1820	<ul> <li>0.5% Fluid loss additive</li> <li>0.10% Retarder</li> <li>0.2% Antifoam</li> <li>0.125 lb/sx LCM if needed</li> <li>Excess = 150% or more if needed based on gauge hole volume</li> </ul>	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.

#### 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:

- o 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 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 <sub>2</sub> )	10	29	N.C.	10 – 11	1250 - 2500
Conversion to Mud at TD	Brine Based Mud (NaCl <sub>2</sub> )	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. H2S Monitoring Alarm installed at the possum belly could be set as low as 5 to 10 ppm and go into high alarm. The gases shall be piped into the flare system. Gas detection equipment and pit level flow monitoring equipment will be on location. A percentage flow paddle installed in the flow line measures relative amount of mud flowing in non-pressurized return line. There are 4 mud probes in the system. One probe is installed in each of the individual tanks to measure the volume of the drilling fluid in individual mud and trip tanks at the well site. The mud probe data is collected by the Pit Volume Totalizer (PVT) system and the information is available real-time via display in the dog house and the company representative's office on location. ConocoPhillips Company will maintain sufficient mud and weighting material on location if hole conditions warrant.

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

# 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 ٥
  - Formation pressure data (XPT) on electric line if needed (optional) 0
  - Rotary Sidewall Cores on electric line if needed (optional) 0
  - BHC or Dipole Sonic if needed (optional) 6
  - 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.
  - The bottom hole pressure is expected to be 8.55 ppg gradient. 0
  - The expected Bottom Hole Temperature is 115 degrees F. 0
- The estimated H<sub>2</sub>S concentrations and ROE calculations for the gas in the zones to be penetrated are presented 0 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 is late 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: February 20, 2013) Ruby Federal #35

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3

Annular BOP (11", 3M) Double Ram (11", 3M, equipped with Blind Rams and Pipe Rams) 4

5 Kill Line (2" flexible hose, 3000 psi WP)

Kill Line Valve, Inner (3-1/8", 3000 psi WP) 6

- Kill Line Valve, Outer (3-1/8", 3000 psi WP) 7
- 8 Kill Line Check Valve (2-1/16", 3000 psl WP
- Choke Line (5M Stainless Steel Coflex Line, 3-1/8" 3M API Type 6B, 3000 psi WP) 9
- Choke Line Valve, Inner (3-1/8", 3000 psi WP) 10
- 11 Choke Line Valve, Outer, (Hydraulically operated, 3-1/8", 3000 psi WP)
- 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

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1 , Attachment # 2



- Item Description
  - 1 Remote Controlled Hydraulically Operated Adjustable Choke, 2-1/16", 3M
  - 2 Manual 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.

Drawn by: Steven O. Moore Chief Drilling Engineer, Mid-Continent Business Unit, ConocoPhillips Company Date: 25-Sept-2012

(Date: February 20, 2013) Ruby Federal #35 Page 9 of 9

#### **Request for Variance**

#### **ConocoPhillips Company**

Lease Number: NM LC 029405B Well: Ruby Federal #35 Location: Sec. 18, T17S, R32E Date: 02-20-13

#### 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: 26 September 2012

#### Attachment # 1



## **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).

Nom. ID			Nom OD		Weight		Min Bend Radius		JS	Max WP	
in.	mm.	iņ.		mm	lb/ft	kg/m	in.	mm		psi	Mpa
.3	76.2	5.1	1 -	129.79	14.5	21.46	48	1219	.2	5000	34.4
3-1/2	88.9	5.7	9	147.06	20.14	29.80	54	137-1	6	5000	34.4
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		14. A. 	1929 A		•						
Fittings			Flanges			Hammer Unions			Other		
RC4X5055		R35 -	3-1/	/8 5000# AP	Pi Type 68	All Un	ion Config	urations	LPT	hreaded Co	onnecti
RC3X5055		R31 -	3-1	/8 3000# AF	PI Type 68		-			Grayloc	k
RC4X5575		1								Custom E	nds
					: ·						
					•						
		;									

#### Attachment # 2

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SPECIFICATIONS

## Heavy Duty Split Metal Rolling Lid

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<u>A</u> 41

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FLOOR: 3/16" PL one piece CROSS MEMBER: 3 x 4.1 channel 16" on center WALLS: 3/16" PL solid welded with tubing top, 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, gu sset at each crossmernber. WHEELS: 10 DIA x 9 long with rease fittings DOOR LATCH: 3 Independent ratchei binders with chains, vertical second latch GASKE TS: Extruded rubber seal with metal retainer's WELDS: All welds continuous except sub-structur e crossmembers. FINISH: Coated inside and out with direct to metal, rust inhibiting acrylic enamel color coate HYDROTESTING: Euli capacity static test DIMENSIONS: 22-11 long (21-3 linside), 99" wide (88" inside), see drawing for height OPTIONS: Steel grit blast and special petint, Ampliro II, Heil and Dino blokup ROOF: 3/16" PL roof panels with tubing and channel support frame. LIDS: (2) 68" x 90" metal rolling lids spring loaded tell raising CONT. 20 YD 25 YD 30 YD 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 per lid GASKETS: Extruded rubber seal with metal retainers

