Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
OCD Hobbs

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2

5. Lease Serial No.
Multiple--See Attached

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
Multiple--See Attached

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
Multiple--See Attached

2. Name of Operator
EOG RESOURCES INCORPORATED
Contact: STAN WAGNER
E-Mail: stan_wagner@eogresources.com

HOBBS OCD
NOV 14 2017
RECEIVED

9. API Well No.
Multiple--See Attached

3a. Address
MIDLAND, TX 79702

3b. Phone No. (include area code)
Ph: 432-686-3689

10. Field and Pool or Exploratory Area
Multiple--See Attached

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Multiple--See Attached

11. County or Parish, State
LEA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Change to Original APD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

EOG Resources requests a variance of the 10,000 PSI Annular requirement for drilling the wells listed below:
EOG Resources will use a 5000 psi annular BOP with a 10,000 psi BOP stack. Specific details attached.

Fox 30 Fed Com 701H	30-025-43867	NMNM112279
Fox 30 Fed Com 702H	30-025-43868	NMNM112279
Fox 30 Fed Com 703H	30-025-43873	NMNM112279
Fox 30 Fed Com 704H	30-025-43879	NMNM112279
Caballo 23 Fed Com 701H	30-025-43875	NMNM108503
Caballo 23 Fed Com 702H	30-025-43876	NMNM108503

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #393969 verified by the BLM Well Information System
For EOG RESOURCES INCORPORATED, sent to the Hobbs
Committed to AFMSS for processing by MUSTAFA HAQUE on 11/03/2017 (18MH0021SE)

Name *(Printed/Typed)* STAN WAGNER — Title REGULATORY ANALYST

Signature (Electronic Submission) — Date 11/03/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By MUSTAFA HAQUE — Title PETROLEUM ENGINEER — Date 11/06/2017

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Hobbs

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

KZ

Additional data for EC transaction #393969 that would not fit on the form

5. Lease Serial No., continued

NMNM02965A
NMNM108503
NMNM112279
NMNM118727
NMNM122622
NMNM66927

7. If Unit or CA/Agreement, Name and No., continued

NMNM137525
NMNM137526

Wells/Facilities, continued

Agreement	Lease	Well/Fac Name, Number	API Number	Location
NMNM122622	NMNM122622	DOGWOOD 23 FED COM 707H	30-025-44098-00-X1	Sec 23 T26S R33E SESW 194FSL 2352FWL 32.022228 N Lat, 103.544052 W Lon
NMNM122622	NMNM122622	DOGWOOD 23 FED COM 708H	30-025-44099-00-X1	Sec 23 T26S R33E SWSW 195FSL 883FWL 32.022228 N Lat, 103.548790 W Lon
NMNM122622	NMNM122622	DOGWOOD 23 FED COM 709H	30-025-44100-00-X1	Sec 23 T26S R33E SWSW 195FSL 848FWL 32.022228 N Lat, 103.548904 W Lon
NMNM122622	NMNM122622	DOGWOOD 23 FED COM 710H	30-025-44114-00-X1	Sec 23 T26S R33E SWSW 195FSL 338FWL 32.022228 N Lat, 103.549019 W Lon
NMNM112279	NMNM112279	FOX 30 FED COM 701H	30-025-43867-00-X1	Sec 30 T25S R34E NWSE 2192FSL 1998FEL 32.100262 N Lat, 103.506935 W Lon
NMNM112279	NMNM112279	FOX 30 FED COM 702H	30-025-43868-00-X1	Sec 30 T25S R34E NWSE 2192FSL 1963FEL 32.100262 N Lat, 103.506821 W Lon
NMNM112279	NMNM112279	FOX 30 FED COM 703H	30-025-43873-00-X1	Sec 30 T25S R34E NESE 2190FSL 1048FEL 32.100262 N Lat, 103.503868 W Lon
NMNM112279	NMNM112279	FOX 30 FED COM 704H		Sec 30 T25S R34E NESE 2190FSL 1013FEL 32.100262 N Lat, 103.503754 W Lon
NMNM108503	NMNM108503	CABALLO 23 FED 703H	30-025-43877-00-X1	Sec 23 T25S R33E SESW 300FSL 1755FWL 32.109600 N Lat, 103.545990 W Lon
NMNM108503	NMNM108503	CABALLO 23 FED 704H	30-025-43878-00-X1	Sec 23 T25S R33E SESW 300FSL 1790FWL 32.109600 N Lat, 103.545876 W Lon
NMNM108503	NMNM108503	CABALLO 23 FED COM 701H	30-025-43875-00-X1	Sec 23 T25S R33E SWSW 494FSL 426FWL 32.110138 N Lat, 103.550285 W Lon
NMNM108503	NMNM108503	CABALLO 23 FED COM 702H	30-025-43876-00-X1	Sec 23 T25S R33E SWSW 494FSL 461FWL 32.110138 N Lat, 103.550171 W Lon
NMNM66927	NMNM66927	TOPAZ 11 FED 701H	30-025-44005-00-X1	Sec 11 T26S R34E NWNW 483FNL 330FWL 32.063877 N Lat, 103.448196 W Lon
NMNM02965A	NMNM02965A	BARLOW 34 FED COM 701H		Sec 34 T26S R33E 300FSL 625FWL 32.001076 N Lat, 103.566711 W Lon
NMNM137525	NMNM122622	OPHELIA 22 FED COM 704H	30-025-42642-00-X1	Sec 22 T26S R33E NWNW 200FNL 644FWL 32.035671 N Lat, 103.566635 W Lon
NMNM137525	NMNM122622	OPHELIA 22 FED COM 705H	30-025-44007-00-X1	Sec 22 T26S R33E NWNW 200FNL 679FWL 32.035671 N Lat, 103.566528 W Lon
NMNM02965A	NMNM02965A	BARLOW 34 FED COM 702H		Sec 34 T26S R33E 300FSL 660FWL 32.001076 N Lat, 103.566597 W Lon
NMNM02965A	NMNM02965A	BARLOW 34 FED COM 704H		Sec 34 T26S R33E Lot 3 300FSL 1615FWL 32.001080 N Lat, 103.563515 W Lon
NMNM66927	NMNM66927	BARLOW 34 FED COM 705H		Sec 34 T26S R33E 300FSL 1650FWL 32.001080 N Lat, 103.563408 W Lon
NMNM137526	NMNM122622	OPHELIA 22 FED COM 706H	30-025-44009-00-X1	Sec 22 T26S R33E NENW 200FNL 1966FWL 32.035667 N Lat, 103.562370 W Lon
NMNM137526	NMNM122622	OPHELIA 22 FED COM 707H	30-025-44008-00-X1	Sec 22 T26S R33E NENW 200FNL 2001FWL 32.035664 N Lat, 103.562256 W Lon
NMNM66927	NMNM66927	BARLOW 34 FED COM 706H		Sec 34 T26S R33E 300FSL 1685FWL 32.001080 N Lat, 103.563293 W Lon
NMNM66927	NMNM66927	NAUTILUS 16 FED COM 705H		Sec 16 T26S R34E SESW 280FSL 1820FWL 32.036953 N Lat, 103.477486 W Lon
NMNM66927	NMNM66927	NAUTILUS 16 FED COM 706H		Sec 16 T26S R34E SESW 280FSL 1855FWL 32.036953 N Lat, 103.477379 W Lon
NMNM66927	NMNM66927	NAUTILUS 16 FED COM 707H		Sec 16 T26S R34E SWSE 280FSL 2565FEL 32.036957 N Lat, 103.474571 W Lon
NMNM66927	NMNM66927	NAUTILUS 16 FED COM 708H		Sec 16 T26S R34E SWSE 280FSL 2530FEL 32.036957 N Lat, 103.474457 W Lon
NMNM118727	NMNM118727	ORRTANNA 20 FED 705H	30-025-43745-00-X1	Sec 20 T26S R33E SWSE 610FSL 2455FEL 32.023441 N Lat, 103.593666 W Lon
NMNM118727	NMNM118727	ORRTANNA 20 FED 706H	30-025-43746-00-X1	Sec 20 T26S R33E SWSE 583FSL 2432FEL 32.023369 N Lat, 103.593590 W Lon
NMNM118727	NMNM118727	ORRTANNA 20 FED 707H	30-025-43747-00-X1	Sec 20 T26S R33E SESE 773FSL 468FEL 32.023876 N Lat, 103.587257 W Lon
NMNM118727	NMNM118727	ORRTANNA 20 FED 708H	30-025-43748-00-X1	Sec 20 T26S R33E SESE 798FSL 443FEL 32.023945 N Lat, 103.587173 W Lon
NMNM66927	NMNM66927	NAUTILUS 16 FED COM 709H	30-025-44076-00-X1	Sec 16 T26S R34E SESE 280FSL 935FEL 32.036961 N Lat, 103.469307 W Lon
NMNM02965A	NMNM02965A	BARLOW 34 FED COM 703H		Sec 34 T26S R33E 300FSL 695FWL 32.001076 N Lat, 103.566483 W Lon
NMNM122622	NMNM122622	NAUTILUS 16 FED COM 701H		Sec 16 T26S R34E SESE 280FSL 865FEL 32.036961 N Lat, 103.469086 W Lon
NMNM122622	NMNM122622	NAUTILUS 16 FED COM 702H		Sec 16 T26S R34E SESE 280FSL 900FEL 32.036961 N Lat, 103.469200 W Lon
NMNM122622	NMNM122622	DOGWOOD 23 FED COM 703H		Sec 23 T26S R33E SWSE 200FSL 1595FEL 32.022243 N Lat, 103.539742 W Lon

Wells/Facilities, continued

Agreement	Lease	Well/Fac Name, Number	API Number	Location
NMNM122622	NMNM122622	DOGWOOD 23 FED COM 704H	30-025-44095-00-X1	Sec 23 T26S R33E SWSE 200FSL 1630FEL 32.022243 N Lat, 103.539856 W Lon
NMNM122622	NMNM122622	DOGWOOD 23 FED COM 705H	30-025-44096-00-X1	Sec 23 T26S R33E SESW 194FSL 2422FWL 32.022228 N Lat, 103.543823 W Lon
NMNM122622	NMNM122622	DOGWOOD 23 FED COM 706H	30-025-44097-00-X1	Sec 23 T26S R33E SESW 194FSL 2387FWL 32.022228 N Lat, 103.543938 W Lon
NMNM122622	NMNM122622	DOGWOOD 23 FED COM 701H	30-025-44073-00-X1	Sec 23 T26S R33E SESE 200FSL 569FEL 32.022240 N Lat, 103.536430 W Lon
NMNM122622	NMNM122622	DOGWOOD 23 FED COM 702H	30-025-44074-00-X1	Sec 23 T26S R33E SESE 200FSL 604FEL 32.022243 N Lat, 103.536545 W Lon

10. Field and Pool, continued

RED HILLS-WOLFCAMP, WEST (GAS)
WC RED HILLS
WC025G09S253336D-UPPER WC
WC025G09S263327G-UP WOLFCAMP

32. Additional remarks, continued

Caballo 23 Fed Com 703H	30-025-43877	NMNM108503
Caballo 23 Fed Com 704H	30-025-43878	NMNM108503
Ophelia 22 Fed Com 704H	30-025-44006	NMNM122622
Ophelia 22 Fed Com 705H	30-025-44007	NMNM122622
Ophelia 22 Fed Com 706H	30-025-44009	NMNM122622
Ophelia 22 Fed Com 707H	30-025-44008	NMNM122622
Orrtanna 20 Fed 705H	30-025-43745	NMNM118727
Orrtanna 20 Fed 706H	30-025-43746	NMNM118727
Orrtanna 20 Fed 707H	30-025-43747	NMNM118727
Orrtanna 20 Fed 708H	30-025-43748	NMNM118727
Dogwood 23 Fed Com 701H	30-025-44073	NMNM122622
Dogwood 23 Fed Com 702H	30-025-44074	NMNM122622
Dogwood 23 Fed Com 703H	30-025-44075	NMNM122622
Dogwood 23 Fed Com 704H	30-025-44095	NMNM122622
Dogwood 23 Fed Com 705H	30-025-44096	NMNM122622
Dogwood 23 Fed Com 706H	30-025-44097	NMNM122622
Dogwood 23 Fed Com 707H	30-025-44098	NMNM122622
Dogwood 23 Fed Com 708H	30-025-44099	NMNM122622
Dogwood 23 Fed Com 709H	30-025-44100	NMNM122622
Dogwood 23 Fed Com 710H	30-025-44014	NMNM122622
Topaz 11 Fed 701H	30-025-44005	NMNM66927
Barlow 34 Fed Com 701H	30-025-?????	NMNM02965A
Barlow 34 Fed Com 702H	30-025-?????	NMNM02965A
Barlow 34 Fed Com 603H	30-025-?????	NMNM02965A
Barlow 34 Fed Com 704H	30-025-?????	NMNM02965A
Barlow 34 Fed Com 705H	30-025-?????	NMNM02965A
Barlow 34 Fed Com 706H	30-025-?????	NMNM02965A
Nautilus 16 Fed Com 701H	30-025-?????	NMNM66927
Nautilus 16 Fed Com 702H	30-025-?????	NMNM66927
Nautilus 16 Fed Com 705H	30-025-?????	NMNM66927
Nautilus 16 Fed Com 706H	30-025-?????	NMNM66927
Nautilus 16 Fed Com 707H	30-025-?????	NMNM66927
Nautilus 16 Fed Com 708H	30-025-?????	NMNM66927
Nautilus 16 Fed Com 709H	30-025-44076	NMNM66927

32. Additional remarks, continued

Revisions to Operator-Submitted EC Data for Sundry Notice #393969

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	APDCH NOI	APDCH NOI
Lease:	NMNM112279	NMNM02965A NMNM108503 NMNM112279 NMNM118727 NMNM122622 NMNM66927
Agreement:		NMNM137525 (NMNM137525) NMNM137526 (NMNM137526)
Operator:	EOG RESOURCES, INC. ATTN: STAN WAGNER P.O. BOX 2267 MIDLAND, TX 79702 Ph: 432-686-3689	EOG RESOURCES INCORPORATED MIDLAND, TX 79702 Ph: 432.686.3689
Admin Contact:	STAN WAGNER REGULATORY ANALYST E-Mail: stan_wagner@eogresources.com Ph: 432-686-3689	STAN WAGNER REGULATORY ANALYST E-Mail: stan_wagner@eogresources.com Ph: 432-686-3689
Tech Contact:	STAN WAGNER REGULATORY ANALYST E-Mail: stan_wagner@eogresources.com Ph: 432-686-3689	STAN WAGNER REGULATORY ANALYST E-Mail: stan_wagner@eogresources.com Ph: 432-686-3689
Location: State: County:	 NM LEA	 NM LEA
Field/Pool:	RED HILLS	HARDIN TANK RED HILLS-BONE SPRING, NORTH RED HILLS-WOLFCAMP, WEST (GAS) WC RED HILLS WC025G09S253336D-UPPER WC WC025G09S263327G-UP WOLFCAMP
Well/Facility:	FOX 30 FED COM 701H (MULTIPLE) Sec 2 T26S R34E Mer NMP NWNW 220FNL 1178FWL	DOGWOOD 23 FED COM 707H Sec 23 T26S R33E SESW 194FSL 2352FWL 32.022228 N Lat, 103.544052 W Lon DOGWOOD 23 FED COM 708H Sec 23 T26S R33E SWSW 195FSL 883FWL 32.022228 N Lat, 103.548790 W Lon DOGWOOD 23 FED COM 709H Sec 23 T26S R33E SWSW 195FSL 848FWL 32.022228 N Lat, 103.548904 W Lon DOGWOOD 23 FED COM 710H Sec 23 T26S R33E SWSW 195FSL 338FWL 32.022228 N Lat, 103.549019 W Lon FOX 30 FED COM 701H Sec 30 T25S R34E NWSE 2192FSL 1998FEL 32.100262 N Lat, 103.506935 W Lon FOX 30 FED COM 702H Sec 30 T25S R34E NWSE 2192FSL 1963FEL 32.100262 N Lat, 103.506821 W Lon FOX 30 FED COM 703H Sec 30 T25S R34E NESE 2190FSL 1048FEL 32.100262 N Lat, 103.503868 W Lon FOX 30 FED COM 704H Sec 30 T25S R34E NESE 2190FSL 1013FEL 32.100262 N Lat, 103.503754 W Lon CABALLO 23 FED 703H Sec 23 T25S R33E SESW 300FSL 1755FWL 32.109600 N Lat, 103.545990 W Lon CABALLO 23 FED 704H Sec 23 T25S R33E SESW 300FSL 1790FWL 32.109600 N Lat, 103.545876 W Lon CABALLO 23 FED COM 701H Sec 23 T25S R33E SWSW 494FSL 426FWL 32.110138 N Lat, 103.550285 W Lon CABALLO 23 FED COM 702H Sec 23 T25S R33E SWSW 494FSL 461FWL 32.110138 N Lat, 103.550171 W Lon TOPAZ 11 FED 701H

Sec 11 T26S R34E NWNW 483FNL 330FWL
32.063877 N Lat, 103.448196 W Lon
BARLOW 34 FED COM 701H
Sec 34 T26S R33E 300FSL 625FWL
32.001076 N Lat, 103.566711 W Lon
OPHELIA 22 FED COM 704H
Sec 22 T26S R33E NWNW 200FNL 644FWL
32.035671 N Lat, 103.566635 W Lon
OPHELIA 22 FED COM 705H
Sec 22 T26S R33E NWNW 200FNL 679FWL
32.035671 N Lat, 103.566528 W Lon
BARLOW 34 FED COM 702H
Sec 34 T26S R33E 300FSL 660FWL
32.001076 N Lat, 103.566597 W Lon
BARLOW 34 FED COM 704H
Sec 34 T26S R33E Lot 3 300FSL 1615FWL
32.001080 N Lat, 103.563515 W Lon
BARLOW 34 FED COM 705H
Sec 34 T26S R33E 300FSL 1650FWL
32.001080 N Lat, 103.563408 W Lon
OPHELIA 22 FED COM 706H
Sec 22 T26S R33E NENW 200FNL 1966FWL
32.035667 N Lat, 103.562370 W Lon
OPHELIA 22 FED COM 707H
Sec 22 T26S R33E NENW 200FNL 2001FWL
32.035664 N Lat, 103.562256 W Lon
BARLOW 34 FED COM 706H
Sec 34 T26S R33E 300FSL 1685FWL
32.001080 N Lat, 103.563293 W Lon
NAUTILUS 16 FED COM 705H
Sec 16 T26S R34E SESW 280FSL 1820FWL
32.036953 N Lat, 103.477486 W Lon
NAUTILUS 16 FED COM 706H
Sec 16 T26S R34E SESW 280FSL 1855FWL
32.036953 N Lat, 103.477379 W Lon
NAUTILUS 16 FED COM 707H
Sec 16 T26S R34E SWSE 280FSL 2565FEL
32.036957 N Lat, 103.474571 W Lon
NAUTILUS 16 FED COM 708H
Sec 16 T26S R34E SWSE 280FSL 2530FEL
32.036957 N Lat, 103.474457 W Lon
ORRTANNA 20 FED 705H
Sec 20 T26S R33E SWSE 610FSL 2455FEL
32.023441 N Lat, 103.593666 W Lon
ORRTANNA 20 FED 706H
Sec 20 T26S R33E SWSE 583FSL 2432FEL
32.023369 N Lat, 103.593590 W Lon
ORRTANNA 20 FED 707H
Sec 20 T26S R33E SESE 773FSL 468FEL
32.023876 N Lat, 103.587257 W Lon
ORRTANNA 20 FED 708H
Sec 20 T26S R33E SESE 798FSL 443FEL
32.023945 N Lat, 103.587173 W Lon
NAUTILUS 16 FED COM 709H
Sec 16 T26S R34E SESE 280FSL 935FEL
32.036961 N Lat, 103.469307 W Lon
BARLOW 34 FED COM 703H
Sec 34 T26S R33E 300FSL 695FWL
32.001076 N Lat, 103.566483 W Lon
NAUTILUS 16 FED COM 701H
Sec 16 T26S R34E SESE 280FSL 865FEL
32.036961 N Lat, 103.469086 W Lon
NAUTILUS 16 FED COM 702H
Sec 16 T26S R34E SESE 280FSL 900FEL
32.036961 N Lat, 103.469200 W Lon
DOGWOOD 23 FED COM 703H
Sec 23 T26S R33E SWSE 200FSL 1595FEL
32.022243 N Lat, 103.539742 W Lon
DOGWOOD 23 FED COM 704H
Sec 23 T26S R33E SWSE 200FSL 1630FEL
32.022243 N Lat, 103.539856 W Lon
DOGWOOD 23 FED COM 705H
Sec 23 T26S R33E SESW 194FSL 2422FWL
32.022228 N Lat, 103.543823 W Lon
DOGWOOD 23 FED COM 706H
Sec 23 T26S R33E SESW 194FSL 2387FWL
32.022228 N Lat, 103.543938 W Lon
DOGWOOD 23 FED COM 701H
Sec 23 T26S R33E SESE 200FSL 569FEL
32.022240 N Lat, 103.536430 W Lon
DOGWOOD 23 FED COM 702H
Sec 23 T26S R33E SESE 200FSL 604FEL
32.022243 N Lat, 103.536545 W Lon

10,000 PSI BOP Annular
Variance Request

EOG Resources request a variance to use a 5000 psi annular BOP with a 10,000 psi BOP stack. The component and compatibility tables along with the general well control plans demonstrate how the 5000 psi annular BOP will be protected from pressures that exceed its rated working pressure (RWP). The pressure at which the control of the wellbore is transferred from the annular preventer to another available preventer will not exceed 3500 psi (70% of the RWP of the 5000 psi annular BOP).

1. Component and Preventer Compatibility Tables

The tables below outlines the tubulars and the compatible preventers in use. This table, combined with the drilling fluid, documents that two barriers to flow will be maintained at all times.

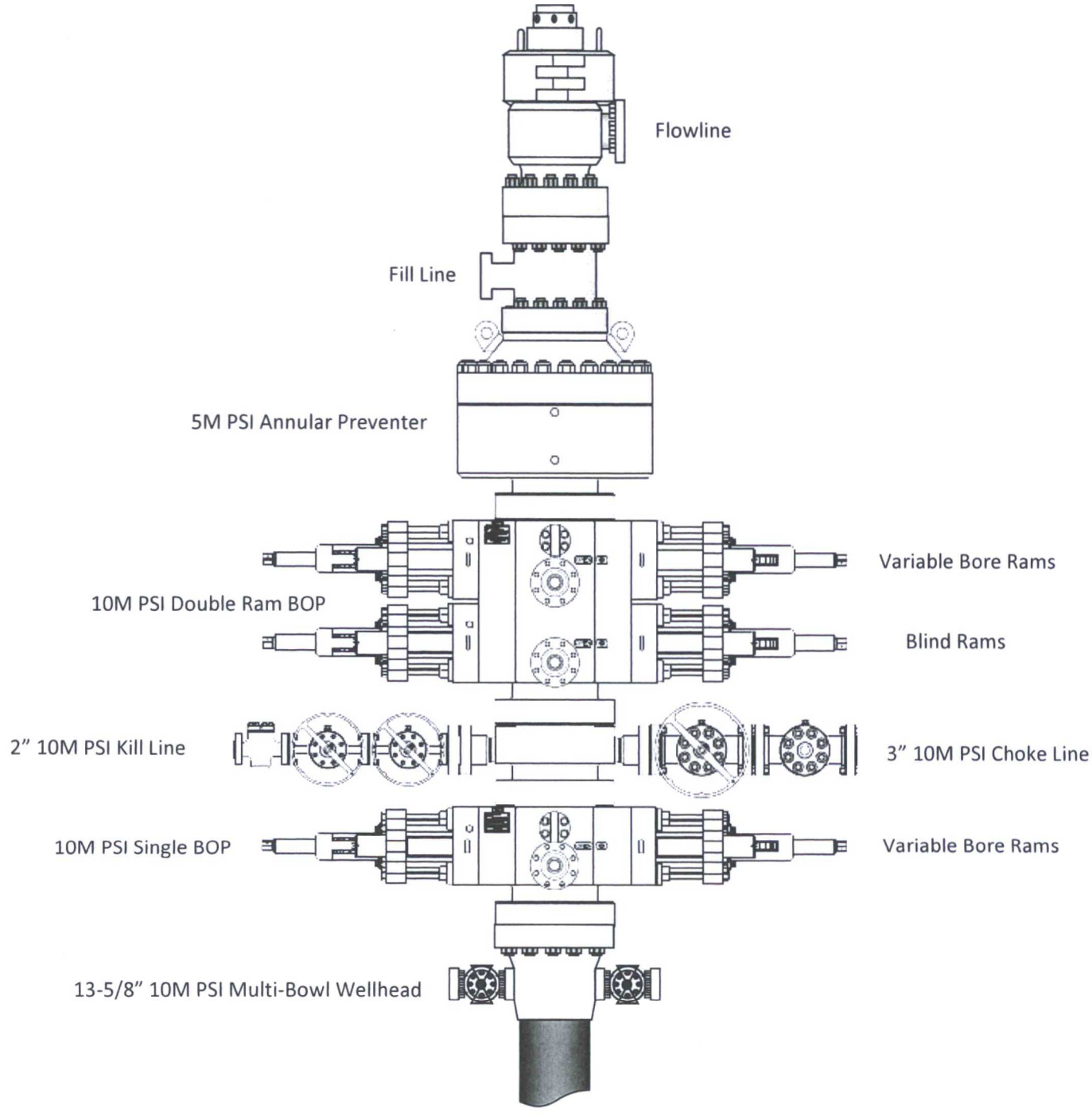
12-1/4" Intermediate Hole Section 10M psi requirement					
Component	**OD**	**Primary Preventer**	**RWP**	**Alternate Preventer(s)**	**RWP**
Drillpipe	5.000" or 4.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
HWDP	5.000" or 4.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
Jars	6.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
DCs and MWD tools	6.500" – 8.000"	Annular	5M	-	-
Mud Motor	8.000" – 9.625"	Annular	5M	-	-
1st Intermediate casing	9.625"	Annular	5M	-	-
Open-hole	-	Blind Rams	10M	-	-

8-3/4" Intermediate Hole Section 10M psi requirement					
Component	**OD**	**Primary Preventer**	**RWP**	**Alternate Preventer(s)**	**RWP**
Drillpipe	5.000" or 4.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
HWDP	5.000" or 4.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
Jars	6.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
DCs and MWD tools	6.500" – 8.000"	Annular	5M	-	-
Mud Motor	6.750" – 8.000"	Annular	5M	-	-
2nd Intermediate casing	7.625"	Annular	5M	-	-
Open-hole	-	Blind Rams	10M	-	-

6-3/4" Production Hole Section 10M psi requirement					
Component	**OD**	**Primary Preventer**	**RWP**	**Alternate Preventer(s)**	**RWP**
Drillpipe	4.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
HWDP	4.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
DCs and MWD tools	4.750" – 5.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
Mud Motor	4.750" – 5.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
Mud Motor	5.500" – 5.750"	Annular	5M	-	-
Production casing	5.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
Open-hole	-	Blind Rams	10M	-	-

VBR = Variable Bore Ram

EOG Resources
13-5/8" 10M PSI BOP Stack



2. Well Control Procedures

Below are the minimal high-level tasks prescribed to assure a proper shut-in while drilling, tripping, running casing, pipe out of the hole (open hole), and moving the BHA through the BOPs. At least one well control drill will be performed weekly per crew to demonstrate compliance with the procedure and well control plan. The well control drill will be recorded in the daily drilling log. The type of drill will be determined by the ongoing operations, but reasonable attempts will be made to vary the type of drill conducted (pit, trip, open hole, choke, etc.). This well control plan will be available for review by rig personnel in the EOG Resources drilling supervisor's office on location, and on the rig floor. All BOP equipment will be tested as per Onshore O&G Order No. 2 with the exception of the 5000 psi annular which will be tested to 70% of its RWP.

General Procedure While Drilling

1. Sound alarm (alert crew)
2. Space out drill string
3. Shut down pumps (stop pumps and rotary)
4. Shut-in Well (uppermost applicable BOP, typically annular preventer first. HCR and choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
    a. SIDPP and SICP
    b. Pit gain
    c. Time
8. Regroup and identify forward plan
9. If pressure has built or is anticipated during the kill to reach 70% or greater of the RWP of the annular preventer, confirm spacing and close the upper variable bore rams.

General Procedure While Tripping

1. Sound alarm (alert crew)
2. Stab full opening safety valve and close
3. Space out drill string
4. Shut-in (uppermost applicable BOP, typically annular preventer first. HCR and choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
    a. SIDPP and SICP
    b. Pit gain
    c. Time
8. Regroup and identify forward plan
9. If pressure has built or is anticipated during the kill to reach 70% or greater of the RWP of the annular preventer, confirm spacing and close the upper variable bore rams.

General Procedure While Running Production Casing

1. Sound alarm (alert crew)
2. Stab crossover and full opening safety valve and close
3. Space out string

4. Shut-in (uppermost applicable BOP, typically annular preventer first. HCR and choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
    a. SIDPP and SICP
    b. Pit gain
    c. Time
8. Regroup and identify forward plan
9. If pressure has built or is anticipated during the kill to reach 70% or greater of the RWP of the annular preventer, confirm spacing and close the upper variable bore rams.

General Procedure With No Pipe In Hole (Open Hole)

1. Sound alarm (alert crew)
2. Shut-in with blind rams. (HCR and choke will already be in the closed position.)
3. Confirm shut-in
4. Notify toolpusher/company representative
5. Read and record the following:
    a. SICP
    b. Pit gain
    c. Time
6. Regroup and identify forward plan

General Procedures While Pulling BHA thru Stack

1. PRIOR to pulling last joint of drillpipe thru the stack.
    a. Perform flowcheck, if flowing:
    b. Sound alarm (alert crew)
    c. Stab full opening safety valve and close
    d. Space out drill string with tool joint just beneath the upper variable bore rams.
    e. Shut-in using upper variable bore rams. (HCR and choke will already be in the closed position.)
    f. Confirm shut-in
    g. Notify toolpusher/company representative
    h. Read and record the following:
        i. SIDPP and SICP
        ii. Pit gain
        iii. Time
    i. Regroup and identify forward plan

2. With BHA in the stack and compatible ram preventer and pipe combo immediately available.
    a. Sound alarm (alert crew)
    b. Stab crossover and full opening safety valve and close
    c. Space out drill string with upset just beneath the upper variable bore rams.
    d. Shut-in using upper variable bore rams. (HCR and choke will already be in the closed position.)
    e. Confirm shut-in
    f. Notify toolpusher/company representative
    g. Read and record the following:
        i. SIDPP and SICP

ii. Pit gain
iii. Time

h. Regroup and identify forward plan

3. With BHA in the stack and NO compatible ram preventer and pipe combo immediately available.
   a. Sound alarm (alert crew)
   b. If possible to pick up high enough, pull string clear of the stack and follow "Open Hole" scenario.
   c. If impossible to pick up high enough to pull the string clear of the stack:
   d. Stab crossover, make up one joint/stand of drillpipe, and full opening safety valve and close
   e. Space out drill string with tooljoint just beneath the upper variable bore ram.
   f. Shut-in using upper variable bore ram. (HCR and choke will already be in the closed position.)
   g. Confirm shut-in
   h. Notify toolpusher/company representative
   i. Read and record the following:
      i. SIDPP and SICP
      ii. Pit gain
      iii. Time
   j. Regroup and identify forward plan

10,000 PSI BOP Annular
Variance Request

EOG Resources request a variance to use a 5000 psi annular BOP with a 10,000 psi BOP stack. The component and compatibility tables along with the general well control plans demonstrate how the 5000 psi annular BOP will be protected from pressures that exceed its rated working pressure (RWP). The pressure at which the control of the wellbore is transferred from the annular preventer to another available preventer will not exceed 3500 psi (70% of the RWP of the 5000 psi annular BOP).

1. Component and Preventer Compatibility Tables

The tables below outlines the tubulars and the compatible preventers in use. This table, combined with the drilling fluid, documents that two barriers to flow will be maintained at all times.

9-7/8" & 8-3/4" Intermediate Hole Section 10M psi requirement					
Component	**OD**	**Primary Preventer**	**RWP**	**Alternate Preventer(s)**	**RWP**
Drillpipe	4.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
HWDP	4.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
Jars	4.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
DCs and MWD tools	6.500 – 8.000"	Annular	5M	-	-
Mud Motor	6.750 – 8.000"	Annular	5M	-	-
Intermediate casing	7.625"	Annular	5M	-	-
Open-hole	-	Blind Rams	10M	-	-

6-3/4" Production Hole Section 10M psi requirement					
Component	**OD**	**Primary Preventer**	**RWP**	**Alternate Preventer(s)**	**RWP**
Drillpipe	4.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
HWDP	4.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
DCs and MWD tools	4.750 – 5.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
Mud Motor	4.750 – 5.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
Mud Motor	5.500 – 5.750"	Annular	5M	-	-
Production casing	5.500"	Annular	5M	Upper 3.5 - 5.5" VBR Lower 3.5 - 5.5" VBR	10M 10M
Open-hole	-	Blind Rams	10M	-	-

VBR = Variable Bore Ram

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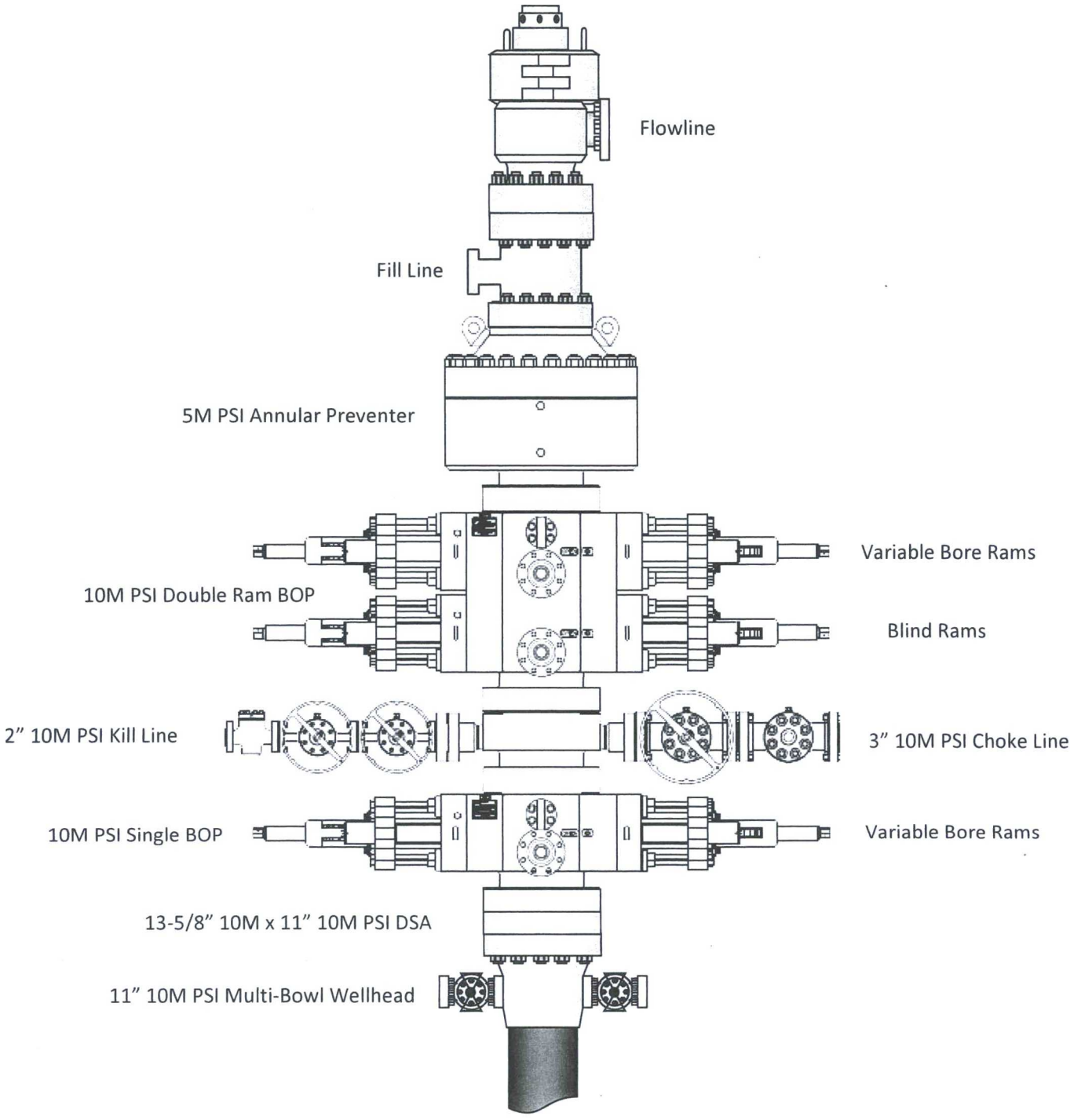

2. Well Control Procedures

Below are the minimal high-level tasks prescribed to assure a proper shut-in while drilling, tripping, running casing, pipe out of the hole (open hole), and moving the BHA through the BOPs. At least one well control drill will be performed weekly per crew to demonstrate compliance with the procedure and well control plan. The well control drill will be recorded in the daily drilling log. The type of drill will be determined by the ongoing operations, but reasonable attempts will be made to vary the type of drill conducted (pit, trip, open hole, choke, etc.). This well control plan will be available for review by rig personnel in the EOG Resources drilling supervisor's office on location, and on the rig floor. All BOP equipment will be tested as per Onshore O&G Order No. 2 with the exception of the 5000 psi annular which will be tested to 70% of its RWP.

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7. Read and record the following:
    a. SIDPP and SICP
    b. Pit gain
    c. Time
8. Regroup and identify forward plan
9. If pressure has built or is anticipated during the kill to reach 70% or greater of the RWP of the annular preventer, confirm spacing and close the upper variable bore rams.

General Procedure While Tripping

1. Sound alarm (alert crew)
2. Stab full opening safety valve and close
3. Space out drill string
4. Shut-in (uppermost applicable BOP, typically annular preventer first. HCR and choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
    a. SIDPP and SICP
    b. Pit gain
    c. Time
8. Regroup and identify forward plan
9. If pressure has built or is anticipated during the kill to reach 70% or greater of the RWP of the annular preventer, confirm spacing and close the upper variable bore rams.

General Procedure While Running Production Casing

1. Sound alarm (alert crew)
2. Stab crossover and full opening safety valve and close
3. Space out string

4. Shut-in (uppermost applicable BOP, typically annular preventer first. HCR and choke will already be in the closed position.)
5. Confirm shut-in
6. Notify toolpusher/company representative
7. Read and record the following:
    a. SIDPP and SICP
    b. Pit gain
    c. Time
8. Regroup and identify forward plan
9. If pressure has built or is anticipated during the kill to reach 70% or greater of the RWP of the annular preventer, confirm spacing and close the upper variable bore rams.

General Procedure With No Pipe In Hole (Open Hole)

1. Sound alarm (alert crew)
2. Shut-in with blind rams. (HCR and choke will already be in the closed position.)
3. Confirm shut-in
4. Notify toolpusher/company representative
5. Read and record the following:
    a. SICP
    b. Pit gain
    c. Time
6. Regroup and identify forward plan

General Procedures While Pulling BHA thru Stack

1. PRIOR to pulling last joint of drillpipe thru the stack.
    a. Perform flowcheck, if flowing:
    b. Sound alarm (alert crew)
    c. Stab full opening safety valve and close
    d. Space out drill string with tool joint just beneath the upper variable bore rams.
    e. Shut-in using upper variable bore rams. (HCR and choke will already be in the closed position.)
    f. Confirm shut-in
    g. Notify toolpusher/company representative
    h. Read and record the following:
        i. SIDPP and SICP
        ii. Pit gain
        iii. Time
    i. Regroup and identify forward plan

2. With BHA in the stack and compatible ram preventer and pipe combo immediately available.
    a. Sound alarm (alert crew)
    b. Stab crossover and full opening safety valve and close
    c. Space out drill string with upset just beneath the upper variable bore rams.
    d. Shut-in using upper variable bore rams. (HCR and choke will already be in the closed position.)
    e. Confirm shut-in
    f. Notify toolpusher/company representative
    g. Read and record the following:
        i. SIDPP and SICP

ii. Pit gain
iii. Time

h. Regroup and identify forward plan

3. With BHA in the stack and NO compatible ram preventer and pipe combo immediately available.
   a. Sound alarm (alert crew)
   b. If possible to pick up high enough, pull string clear of the stack and follow "Open Hole" scenario.
   c. If impossible to pick up high enough to pull the string clear of the stack:
   d. Stab crossover, make up one joint/stand of drillpipe, and full opening safety valve and close
   e. Space out drill string with tooljoint just beneath the upper variable bore ram.
   f. Shut-in using upper variable bore ram. (HCR and choke will already be in the closed position.)
   g. Confirm shut-in
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   i. Read and record the following:
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BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

Multiple—See Attached
EOG Resources
Conditions of Approval
11/06/2017

All previous COAs still apply except for the following:

A. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.

2. **Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 10,000 (10M) psi. Variance approved to use a 5M annular. The annular must be tested to full working pressure (5000 psi.)**

    a. **Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.**
    b. **If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.**
    c. **Manufacturer representative shall install the test plug for the initial BOP test.**
    d. **If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.**

3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.

4. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.

a. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead when specified), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).

b. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the plug. However, **no tests** shall commence until the cement has had a minimum of 24 hours setup time.

c. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to Onshore Order 2 with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for water basin (8 hours) or potash (24 hours) or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).

d. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.

e. The results of the test shall be reported to the appropriate BLM office.

f. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.

g. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.

h. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test

does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2.

MHH 11062017