Form 3160-5 (June 2015)

## **UNITED STATES**

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

<u>.</u>	Lease Serial No.
	NMNM02965A

Form 3160-5 (June 2015)	DEF	UNITED STATES PARTMENT OF THE IN	TERIOR		OCD	FORM OMB N Expires: J	APPROVED O. 1004-0137 anuary 31, 201	18
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abande	oned well.	Use form 3160-3 (APD	) for suc	h proposals.	15	6. If Indian, Allottee o	r Tribe Name	
SUE	BMIT IN T	RIPLICATE - Other instr	uctions (	on page 2	SEIVE	7. If Unit or CA/Agre	ement, Name a	and/or No.
1. Type of Well  Oil Well Gas W				Res	<del></del>	8. Well Name and No. MAGNOLIA 15 F	ED COM 713	H
2. Name of Operator EOG RESOURCES I	NCORPO	Contact: S RATEDE-Mail: Star_Harrell	TAR HAI @eogreso	RRELL urces.com		9. API Well No. 30-025-44405-0	0-X1	
3a. Address PO BOX 2267 MIDLAND, TX 79702	2			No. (include area code) -848-9161		10. Field and Pool or WC025G09S26	Exploratory A 3327G-UP	rea WOLFCAM
4. Location of Well (Foots	ige, Sec., T.,	R., M., or Survey Description)				11. County or Parish,	State	
Sec 15 T26S R33E N 32.048691 N Lat, 100						LEA COUNTY,	NM	
12. CHECK	THE API	PROPRIATE BOX(ES) 1	O INDIO	CATE NATURE O	F NOTICE.	REPORT, OR OTH	IER DATA	·
TYPE OF SUBMISSI	ON			TYPE OF	ACTION			
Notice of Intent     ■     Notice of Intent     Notice of		☐ Acidize		Deepen	☐ Product	tion (Start/Resume)	■ Water	Shut-Off
☐ Subsequent Report	[	☐ Alter Casing	_	lydraulic Fracturing	☐ Reclam		☐ Well I	ntegrity
	., .	Casing Repair	_	New Construction	Recom		Other Change to	o Original A
☐ Final Abandonment	Notice	☐ Change Plans ☐ Convert to Injection		Plug and Abandon Plug Back	☐ Tempor	rarily Abandon Disposal	PD	<b>G</b>
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BHL and the casing of	design.	mendment to our approv				ine Michael	e Linat	
Change BHL to : 254 Change casing desig	n in accor	3? FEL SEC 22-26S-33E dance with the attached of	: Irill plan			Hobbs	to our star.	
Attached please find Information & Revise	the followi d Wellbore	ng supporting documenta e Diagram.				mit		
		C		ATTACHED				
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14. Thereby correspond that are 1		Electronic Submission #4	RCES INC	OR∳POŘATED, sent t	o the Hobbs	<b>,</b>	_	
Name (Printed/Typed) S	TAR HAR	•		1		TORY SPECIALIST		
Signature (I	Electronic Su	bmission)		Date 01/22/20	019		ر.	
		THIS SPACE FO	R FEDE	RAL OR STATE	OFFICE U	SE		
								00/07/00/
Approved By JEROMY P Conditions of approval, if any,	are attached.	Approval of this notice does r	ot warrant	or TitlePETROLE	<u>UM ENGIN</u>	EER	Date	02/07/2019
certify that the applicant holds which would entitle the applica	legal or equi	able title to those rights in the	subject leas	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.

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*



#### Revisions to Operator-Submitted EC Data for Sundry Notice #451385

**Operator Submitted** 

**BLM Revised (AFMSS)** 

Sundry Type:

**APDCH** 

NOI

NMNM02965A

**APDCH** NOI

Lease:

NMNM02965A

Agreement:

Operator:

**EOG RESOURCES INC** P.O. BOX 2267 MIDLAND, TX 79702

Ph: 432-848-9161

PO BOX 2267 MIDLAND, TX 79702

Ph: 432.686.3689

Admin Contact:

STAR HARRELL

SENIOR REGULATORY SPECIALIST E-Mail: Star\_Harrell@eogresources.com

Ph: 432-848-9161

STAR HARRELL

Ph: 432-848-9161

Tech Contact:

STAR HARRELL

SENIOR REGULATORY SPECIALIST

E-Mail: Star\_Harrell@eogresources.com

Ph: 432-848-9161

STAR HARRELL

SENIOR REGULATORY SPECIALIST

**EOG RESOURCES INCORPORATED** 

SENIOR REGULATORY SPECIALIST E-Mail: Star\_Harrell@eogresources.com

E-Mail: Star\_Harrell@eogresources.com

Ph: 432-848-9161

Location:

State: County: NM

NM LEA

Field/Pool:

SANDERSTANK; UPR WOLFCAMP

WC025G09S263327G-UP WOLFCAMP

Well/Facility:

MAGNOLIA 15 FED COM 713H Sec 15 T26S R33E NENE 740FNL 648FEL

32.048692 N Lat, 103.553742 W Lon

MAGNOLIA 15 FED COM 713H Sec 15 T26S R33E NENE 740FNL 648FEL

32.048691 N Lat, 103.553741 W Lon

District 1
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Sante Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

# State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Sante Fe, NM 87505

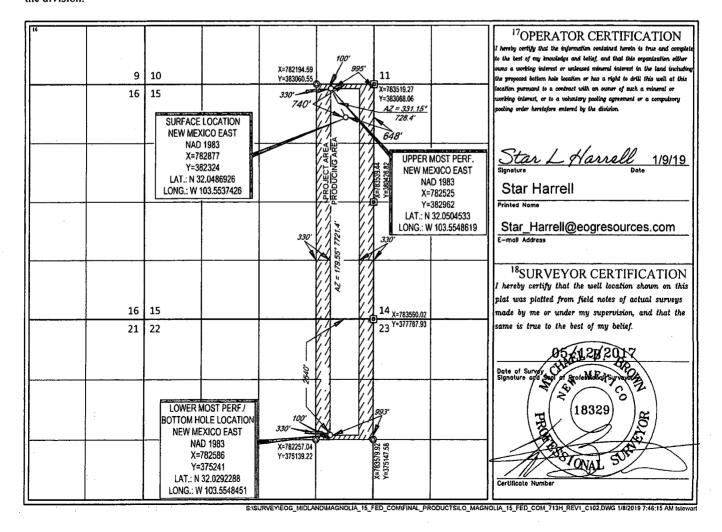
FORM C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

■ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

30-025-	API Number -44405	•	98	<sup>2</sup> Pool Code 097	Sar	nderstank; Upp	³Pool Nam per Wolfcam		
Property C 32056			•	MAC	Property Na SNOLIA 15			h	713H
70GRID 1				EO	Operator No.  G RESOURG			l.	Elevation 330'
	•				<sup>10</sup> Surface Lo	cation			
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	15	26-S	33-E	-	740'	NORTH	648'	EAST	LEA
UL or lot no.	Section	Township	Range	Lot ldn	Feet from the	North/South line	Feet from the	East/West line	County
H	22	26-S	33-E	-	2540'	NORTH	993'	EAST	LEA
<sup>12</sup> Dedicated Acres 240.00	<sup>13</sup> Joint or l	Infill 14Co	nsolidation Code	15Order	No.				

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



Inten	t X	As Dril	led												
API #			]												
Operator Name: EOG Resources, Inc.						Property Name: Magnolia 15 Fed Com								Well Number 713H	
Kick (	Off Point	(KOP)				<u>I</u>									
UL <b>A</b>	Section 15	Township 26S	Range 33E	Lot	Feet 52		From N		Feet 1000	1	From Eas	E/W	County		
Latit		J	JJL		Longitu -103.				11000	<u> </u>	Las	•	NAD 83		
First	Take Poir	nt (FTP)													
UL <b>A</b>	Section 15	Township 26S	Range 33E	Lot	Feet 100		From North		Feet 995		From Eas	E/W	County		
Latit		203	33L		Longitu	ıde	NOILI		995	1	Las		NAD		
32.	050453	33			-103.	.554	8619	)				<u>.</u>	83		
Last 7	Γake Poin	t (LTP)													
UL <b>H</b>	Section 22	Township 26S	Range 33E	Lot	Feet <b>2540</b>	Froi <b>No</b> i	m N/S rth	Feet 993	1	From E East	:/W	Count Lea	ty		
Latit	ude 029228	38		<del></del>	Longitu		8451		· '			NAD 83			
<b>L</b>															
Is thi	s well the	defining v	vell for th	e Hori	zontal Sp	pacin	g Unit?		No	]					
Is thi	s well an	infill well?		Yes											
	ll is yes p ng Unit.	lease prov	ide API if	availat	ole, Oper	rator	Name	and v	well nu	ımber	for [	Defini	ng well fo	r Horizontal	
API #	!		]												
Ope	rator Na	me:				Pro	perty N	lame	:					Well Number	

KZ 06/29/2018

#### **Revised Permit Information 1/9/19:**

Well Name: Magnolia 15 Fed Com No. 713H

Location:

SHL: 740' FNL & 648' FEL, Section 15, T-26-S, R-33-E, Lea Co., N.M. BHL: 2540' FNL & 993' FEL, Section 22, T-26-S, R-33-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF <sub>min</sub> Collapse	DF <sub>min</sub> Burst	DF <sub>min</sub> Tension
12.25"	0 – 855'	9.625"	40#	J55	LTC	1.125	1.25	1.60
8.75"	0 – 11,300'	7.625"	26.4#	HCP-110	Ultra SF	1.125	1.25	1.60
6.75"	0'-10,800'	5.5"	20#	HCP-110	LTC	1.125	1.25	1.60
6.75"	10,800'-11,300'	5.5"	20#	HCP-110	VAM SFC	1.125	1.25	1.60
6.75"	11,300'-20,010'	5.5"	20#	HCP-110	LTC	1.125	1.25	1.60

Variance is requested to wave the centralizer requirements for the 7-5/8" FJ casing in the 8-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 8-3/4" hole interval to maximize cement bond and zonal isolation.

Variance is also requested to wave any centralizer requirements for the 5-1/2" FJ casing in the 6-3/4" hole size. An expansion additive will be utilized, in the cement slurry, for the entire length of the 6-3/4" hole interval to maximize cement bond and zonal isolation.

EOG requests variance to allow deviation from the 0.422" annulus clearance requirement from Onshore Order #2 under the following conditions:

- Annular clearance to meet or exceed 0.422" between intermediate casing ID and production casing coupling only on the first 500' overlap between both casing strings.
- Annular clearance less than 0.422" is acceptable for the curve and lateral portions of the production open hole section.

EOG also requests to retain the option to utilize previously permitted 4 string designs (to be referred to as Design B in post-drill reports and sundries), if applicable.

**Cement Program:** 

- COMMOND	0g			
	No.	Wt.	Yld	
Depth	Sacks	ppg	Ft <sup>3</sup> /ft	Slurry Description
9-5/8"	690	13.5	1.73	Lead: Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl <sub>2</sub> + 0.25
855'				lb/sk Cello-Flake (TOC @ Surface)
	80	14.8	1.34	Tail: Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium
				Metasilicate (TOC @ 655')
7-5/8"	500	14.2	1.11	1 <sup>st</sup> Stage (Tail): Class C + 0.6% Halad-9 + 0.45% HR-601 + 3%
11,300'				Microbond (TOC @ 7,000')
	1,000	12.7	2.30	2 <sup>nd</sup> Stage (Bradenhead squeeze): Class C + 3% Salt + 1% PreMag-M +
	ļ			6% Bentonite Gel (TOC @ surface)
5-1/2"	760	14.1	1.26	Class H + 0.4% Halad-344 + 0.35% HR-601 + 3% Microbond (TOC
20,010'		}		(a) 10,800°)

Additive	Purpose
Bentonite	Lightweight/Lost circulation prevention
Calcium Chloride	Accelerator
Cello-flake	Lost circulation prevention
Sodium Metasilicate	Accelerator
PreMag-M	Expansive agent
Sodium Chloride	Accelerator
FL-62	Fluid loss control
Halad-344	Fluid loss control
Halad-9	Fluid loss control
HR-601	Retarder
Microbond	Expansive Agent

EOG requests variance from minimum standards to pump a two stage cement job on the 7-5/8" intermediate casing string with the first stage being pumped conventionally with the calculated TOC @ the Brushy Canyon and the second stage performed as a bradenhead squeeze with planned cement from the Brushy Canyon to surface. If necessary a top out consisting of 1,000 sacks of Class C cement + 3% Salt + 1% PreMag-M + 6% Bentonite Gel (2.30 yld, 12.91 ppg) will be executed as a contingency. Top of cement will be verified by Echo-meter.

EOG also requests variance for the option to perform this cement procedure on previously permitted 4 string designs in the 7-5/8" 2nd Intermediate casing string as a contingency plan.

EOG will include the final fluid top verified by Echo-meter and the volume of displacement fluid above the cement slurry in the annulus in all post-drill sundries on wells utilizing this cement program.

EOG will report to the BLM the volume of fluid (limited to 5 bbls) used to flush intermediate casing valves following backside cementing procedures.

Mud Program:

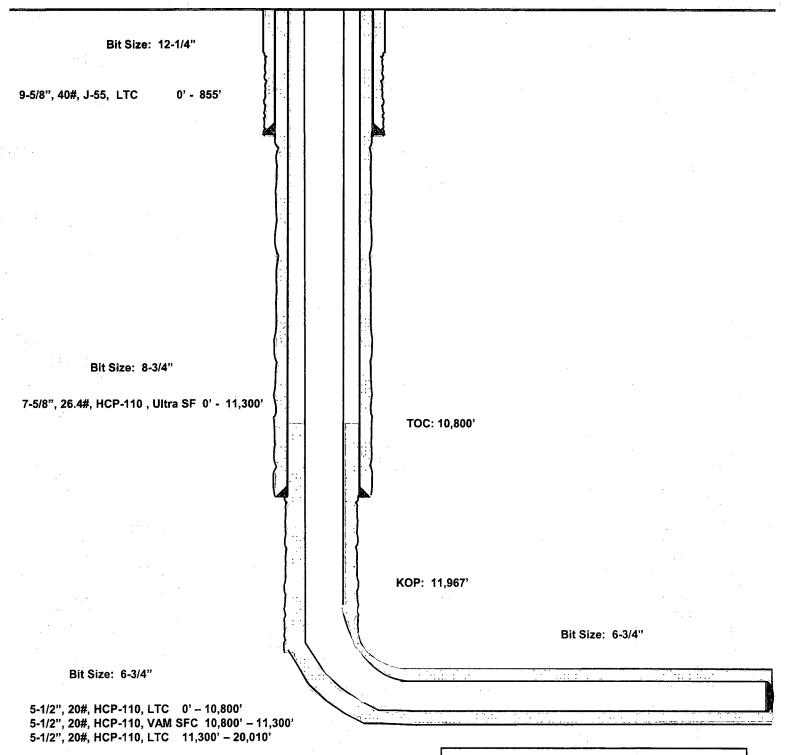
Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 855'	Fresh - Gel	8.6-8.8	28-34	N/c
855' – 11,300'	Oil Base	8.7-9.4	58-68	N/c - 6
11,300' - 20,010'	Oil Base	10.0-14.0	58-68	3 - 6
Lateral				

740' FNL 648' FEL Section 15 T-26-S, R-33-E

## Lea County, New Mexico Revised Wellbore 1/9/2019

API: 30-025-44405

KB: 3,355' GL: 3,330'



Lateral: 20,010' MD, 12,410' TVD Upper Most Perf: 100' FNL & 995' FEL Sec. 15 Lower Most Perf: 2540' FNL & 993' FEL Sec. 22

BH Location: 2540' FSL & 993' FEL Section 22 T-26-S, R-33-E headed on , 87 Feb. 2019





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CONNECTION PERFORMANCES	144		
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## PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

**OPERATOR'S NAME:** | **EOG Resources Incorporated** 

LEASE NO.: | NMNM02965A

WELL NAME & NO.: | MAGNOLIA 15 FED COM 713H

SURFACE HOLE FOOTAGE: | 740'/N & 648'/E BOTTOM HOLE FOOTAGE | 2540'/N & 993'/E

LOCATION: | Section 15, T.26 S., R.33 E., NMPM

COUNTY: Lea County, New Mexico

COA

H2S	<b>€</b> Yes	r No	
Potash	• None	Secretary	C R-111-P
Cave/Karst Potential	C Low	6 Medium	← High
Variance	None	Flex Hose	C Other
Wellhead	• Conventional	• Multibowl	← Both
Other	☐ 4 String Area	Capitan Reef	<b>□</b> WIPP

#### All previous COAs still apply, except for the following:

#### A. CASING

- 1. The 9 5/8 inch surface casing shall be set at approximately 1000 feet (a minimum of 25 feet into the Rustler Anhydrite and above the salt) and cemented to the surface.
  - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
  - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8** hours or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
  - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
  - d. If cement falls back, remedial cementing will be done prior to drilling out that string.

- 2. The minimum required fill of cement behind the 7-5/8 inch first intermediate casing is:
  - Cement to surface. If cement does not circulate see B.1.a, c-d above.
     Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.
- ❖ In <u>Medium/High Cave/Karst Areas</u> if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.

In case of lost circulation, operator has proposed to pump down 9 5/8" X 7 5/8" annulus. Operator must include final fluid top verified by Echo-meter and the volume of displacement fluid above the cement slurry in the annulus. Submit results to the BLM.

3. The minimum required fill of cement behind the 5-1/2 inch production casing is:

Cement should tie-back at least 200 feet into the previous casing. Operator shall provide method of verification. Excess calculates to 22% - additional cement might be required.

#### **B. PRESSURE CONTROL**

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).

#### 1. **Option 1:**

i. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) shall be 10,000 (10M) psi.

#### Option 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.

- 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.
- e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed

#### C. SPECIAL REQUIREMENT (S)

#### **Communitization Agreement**

- The operator will submit a Communitization Agreement to the Carlsbad Field Office, 620 E Greene St. Carlsbad, New Mexico 88220, at least 90 days before the anticipated date of first production from a well subject to a spacing order issued by the New Mexico Oil Conservation Division. The Communitization Agreement will include the signatures of all working interest owners in all Federal and Indian leases subject to the Communitization Agreement (i.e., operating rights owners and lessees of record), or certification that the operator has obtained the written signatures of all such owners and will make those signatures available to the BLM immediately upon request.
- If the operator does not comply with this condition of approval, the BLM may take enforcement actions that include, but are not limited to, those specified in 43 CFR 3163.1.
- In addition, the well sign shall include the surface and bottom hole lease numbers. When the Communitization Agreement number is known, it shall also be on the sign.

#### JJP02072019

### **GENERAL REQUIREMENTS**

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)
  - Chaves and Roosevelt Counties
    Call the Roswell Field Office, 2909 West Second St., Roswell NM 88201.
    During office hours call (575) 627-0272.
    After office hours call (575)
  - Eddy County
     Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822
  - ✓ Lea CountyCall the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575)393-3612

#### A. CASING

- 1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
- 2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends, 2) until cement has been in place at least 24 hours. WOC time will be recorded in the driller's log. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.
- 3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing intergrity test can be done (prior to the cement setting up) immediately after bumping the plug.

- 4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
- 5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
- 6. On that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
- 7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
- 8. Whenever a casing string is cemented in the R-111-P potash area, the NMOCD requirements shall be followed.

#### **B. 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. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure test certification matching the hose in service, to be onsite for review. These documents shall be posted in the company man's trailer and on the rig floor.
- 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. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
  - 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.
- e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.
- 5. 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, except the casing pressure test can be initiated immediately after bumping the plug (only applies to single stage cement jobs).
  - c. The tests shall be done by an independent service company utilizing a test plug. The results of the test shall be reported to the appropriate BLM office.
  - 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. 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.

- f. 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. This test shall be performed prior to the test at full stack pressure.
- g. 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.