Form 3160-5 (June 2015)	OMB N	APPROVED O. 1004-0137 anuary 31, 2018			
SUNDRY Do not use th abandoned we	NMNM03677 6. If Indian, Allottee o	r Tribe Name			
	TRIPLICATE - Other inst	A DTEM	<u>ONSERV/</u> IA DISTRIC	7. If Unit or CA/Agre	ement, Name and/or No.
1. Type of Well Oil Well 🛛 Gas Well 🗖 Ot	1 1 2019	8. Well Name and No. STEBBINS 19 FE	D COM 203H		
2. Name of Operator MATADOR PRODUCTION C	Contact: OMPANYE-Mail: cade.laboli	CADE LABOLT	EIVED	<ol> <li>API Well No.</li> <li>30-015-44173-0</li> </ol>	0 <b>0-</b> X1
3a. Address ONE LINCOLN CENTER 540 DALLAS, TX 75240	0 LBJ FREEWAY SUITE	3b. Phone No. (include area code 1 <b>500</b> 972-629-2158	:)	10. Field and Pool or BURTON FLAT	
4. Location of Well (Footage, Sec., 7		)		11. County or Parish,	State
Sec 19 T20S R29E NESE 23 32.558054 N Lat, 104.106609		-		EDDY COUNT	Y, NM
12. CHECK THE A	PPROPRIATE BOX(ES)	TO INDICATE NATURE C	OF NOTICE,	REPORT, OR OTH	IER DATA
TYPE OF SUBMISSION		ΤΥΡΕ Ο	F ACTION		
Notice of Intent	Acidize	🗖 Deepen	Product	ion (Start/Resume)	UWater Shut-Off
Subsequent Report	Alter Casing	Hydraulic Fracturing	🗖 Reclam	ation	Well Integrity
	Casing Repair	□ New Construction	🗖 Recom		Other
Final Abandonment Notice	<ul> <li>Change Plans</li> <li>Convert to Injection</li> </ul>	Plug and Abandon Plug Back	□ Tempor □ Water I	arily Abandon	,
Matador requests the option to system once 1st intermediate Matador requests the option to sections of casing if lost circul will be placed at least 100? at single stage or two stage. Matador requests to change E Please see the attached table	string is run and cemente o run a DV tool with annul lation is encountered. If lo bove the loss zone to give BHL on Stebbins 19 Fed C	ed. lar packer as contingency in t osses occur the DV tool with p the option to pump cement a Com 203H from 240? FWL to	the intermed packer as either a <b>(20 °</b> 100? FWL -		1 EWL -
14. 1 hereby certify that the foregoing is	#Electronic Submission For MATADOR PR	452346 verified by the BLM We CODUCTION COMPANY, sent t essing by PRISCILLA PEREZ o	to the Carlsba	adí	
Name(Printed/Typed) TYLER B	ROOKING	Title PETRC	DLEUM ENG	INEER	
Signature (Electronic	Submission)	Date 01/29/2	2019		
	THIS SPACE FO	OR FEDERAL OR STATE	OFFICE U	SE	
_Approved By_MUSTAFA_HAQUE_	ed. Approval of this notice does		EUM ENGIN	EER	Date 02/20/20
Conditions of approval, if any, are attache certify that the applicant holds legal or equivalent which would entitle the applicant to condu		Office Carlsba	ıd		

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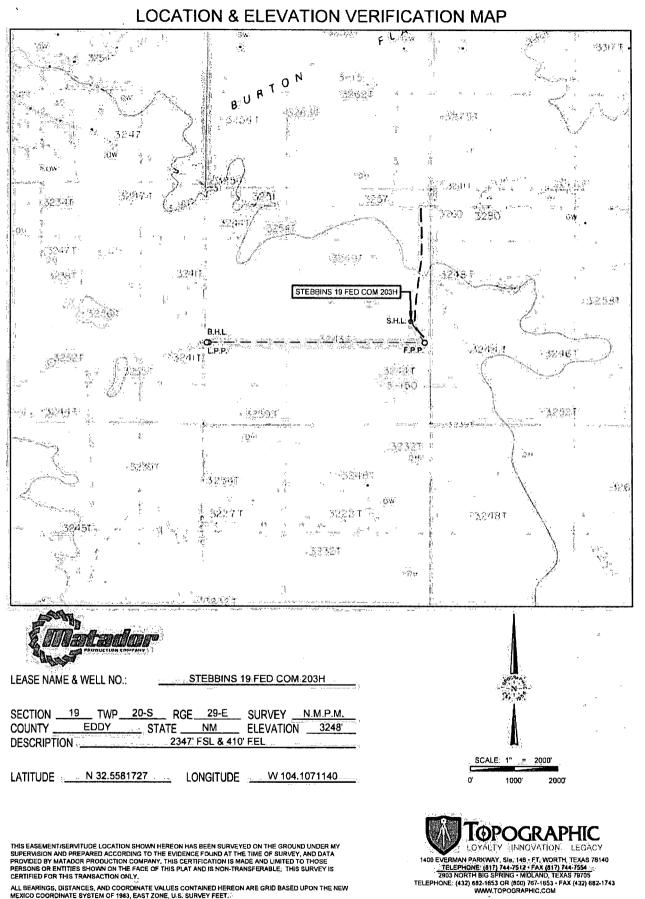
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# Additional data for EC transaction #452346 that would not fit on the form

#### 32. Additional remarks, continued

F

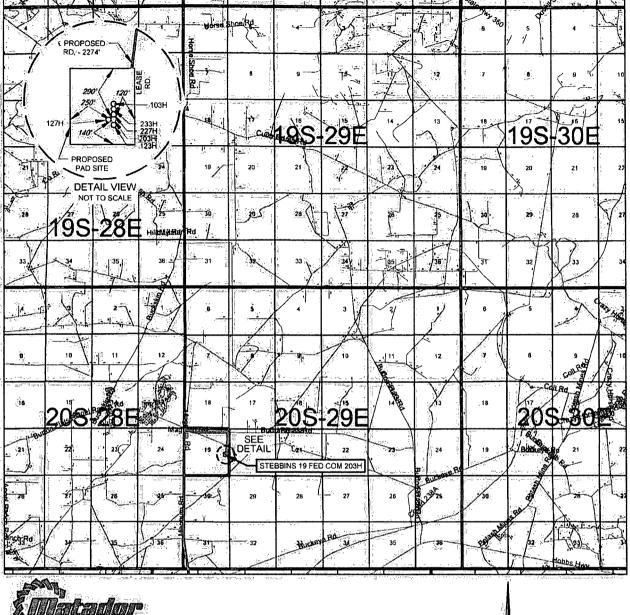
Please do not hesitate to contact Tyler Brooking (Drilling) at 972-371-5493 if you have any questions



COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.

SISURVEYMATADOR\_RESOURCESISTEBBINS\_FED\_19 & 20-20S-29EVFINAL\_PRODUCTSILO\_STEBBINS\_19\_FED\_COM\_203H\_REV5.DWG 2/11/2019 12:04:46 PM adisabella

#### VICINITY MAP



Matador

LEASE NAME & WELL NO .:

STEBBINS 19 FED COM 203H

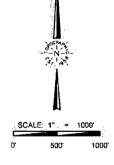
SECTION1	9 TWP_	20-5	_ RGE_	29-E	SURVEY	N.M.P.M.
COUNTY	ÊD	DY		STATE		NM
DESCRIPTION	·		2347' F	SL & 410	)' FEL	· · · · · · · · · · · · · · · · · · ·

#### **DISTANCE & DIRECTION**

FROM INT OF US-285 AND US-180/US-62 EAV GREENE ST GO EAST ON US-180 E/US-62 E/W ±8.3 MILES, THENCE NORTH (LEFT) ON MAGNUM RD. ±5.9 MILES, THENCE SOUTHEAST ON BURTON FLATS RD. ±1.0 MILES, THENCE SOUTH (RIGHT) ON A PROPOSED RD. ±2274 FEET TO A POINT ±308 FEET NORTHEAST OF THE LOCATION.

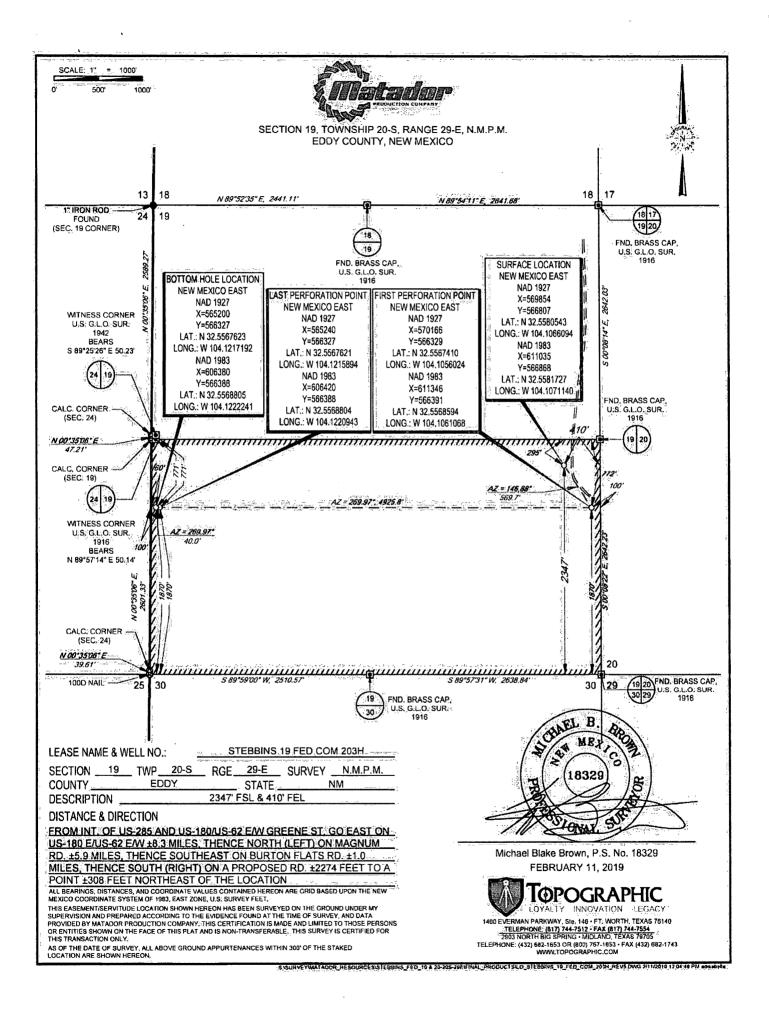
THIS EASEMENT/SERVITUDE LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY THIS EASEMENTISERVITUSE COUNTING TO THE SUBJECT FOUND AT THE TIME OF SURVEY, AND DATA SUPERVISION AND PREPARED ACCORDING TO THE SUBJECT FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY MATADOR PRODUCTION COMPANY, THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

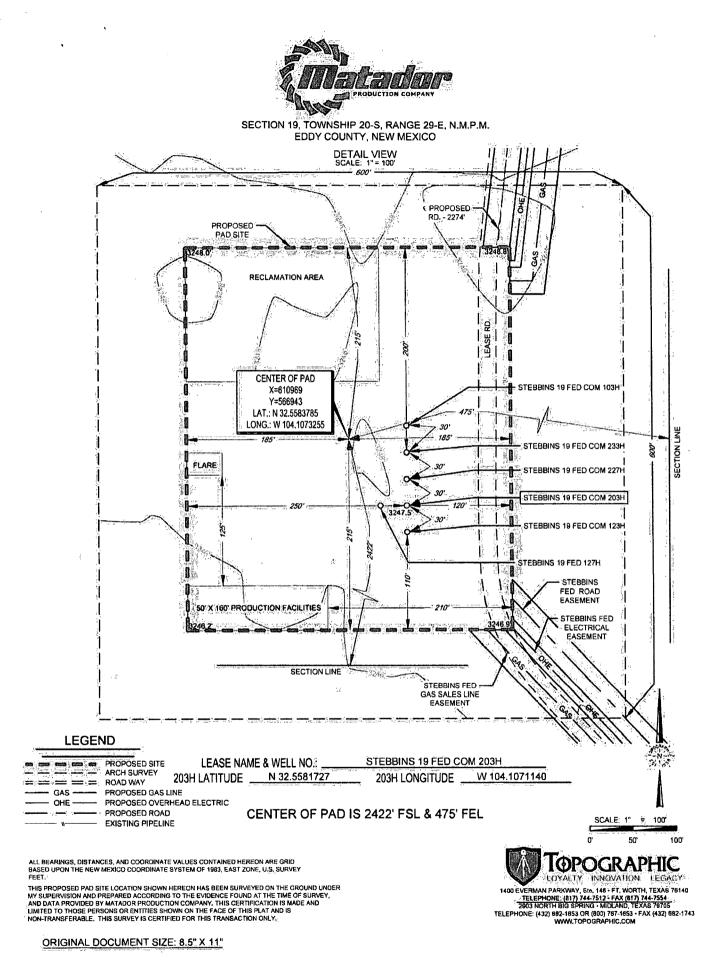
ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREON ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.



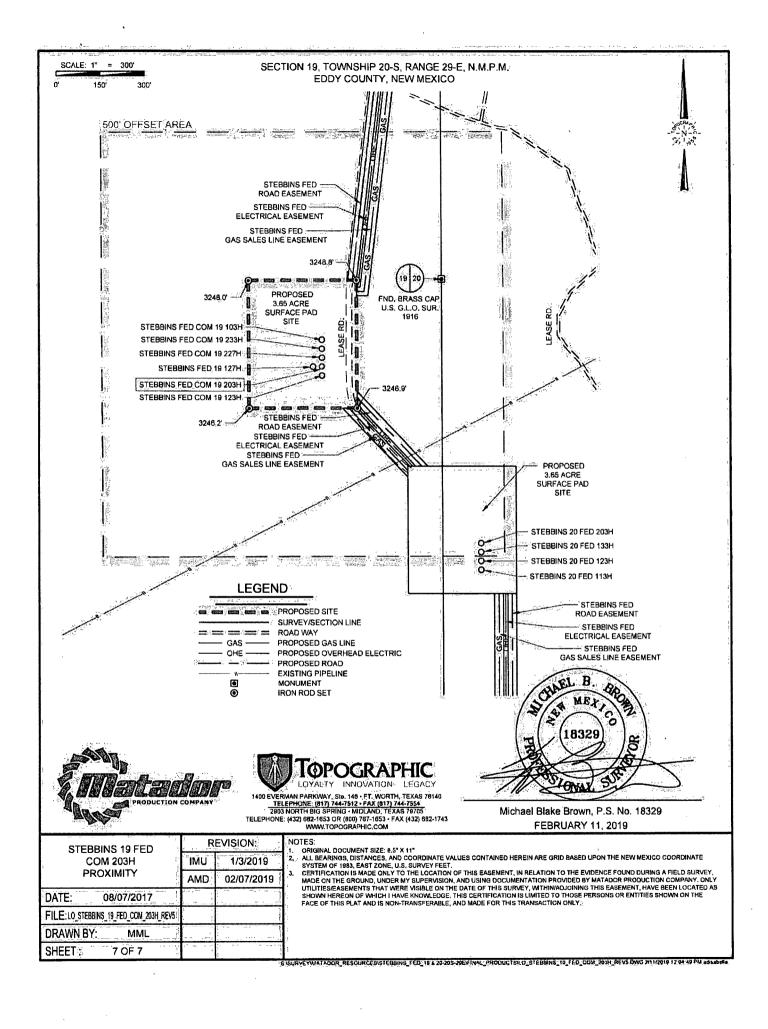


S:ISURVEYIMATADDR\_RESOURCESISTEBBINS\_FED\_19 & 20-205-29EVFINAL\_PRODUCTSILO\_STEBBINS\_19\_FED\_COM\_203H\_REV5.DWG 2/11/2019 12:04:47 PM adiabelia





S/SURVEY/MATADOR\_RESOURCES/STEBBINS\_FED\_19 & 20-20S-28E/FINAL\_PRODUCTS/LO\_STEBBINS\_19\_FED\_COM\_203H\_REV5.DWG 2/11/2019 12:04:48 PM #dissbells



**Casing** 

Name	Hole Size	Casing Size	Wt/Grade	Thread Collar	Setting Depth	Top Cement
Surface	26"	20" (new)	94# J-55	BTC	400	Surface
Intermediate 1	17-1/2"	13-3/8" (new)	54.5# J-55	BTC	1200	Surface
Intermediate 2	12-1/4"	9-5/8" (new)	40# J-55	BTC	3100	Surface
Production	8-3/4"	5-1/2" (new)	20# P-110	DWC/C	14100	1180'

Spec sheet for 5-1/2" 20# P-110 DWC/C is attached. Mud

Name	Hole Size	Mud Weight	Visc	Fluid Loss	Type Mud
Surface	20"	8.40	28	NC	FW Spud Mud
Intermediate 1	17-1/2"	10.00	30-32	NC	Brine Water
Intermediate 2	12-1/4"	8.4-8.6	28-30	NC	FW
Production	8-3/4"	9.00	30-32	NC	FW/Cut Brine

#### <u>Cement</u>

Name	Туре	Sacks	Yield	Weight	Blend
Surface	Tail	873	1.38	14.8	Class C + 5% NaCl + LCM
TOC = 0	1	1	LOO% Exces	s	Centralizers per Onshore Order 2.III.B.1f
Intermediate					
1	Lead	637	1.73	13.5	Class C + Bentonite + 1% CaCL2 + 8% NaCl + LCM
	Tail	309	1.35	14.8	Class C + 5% NaCl + LCM
TOC = 0	I	100% Excess		s	2 on btm jt, 1 on 2nd jt, 1 every 4th jt to surface
Intermediate					
2	Lead	715	1.73	13.5	Class C + Bentonite + 2% CaCL2 + 3% NaCl + LCM
	Tail	288	1.35	14.8	Class C + 5% NaCl + LCM
TOC = 0	TOC = 0'		LOO% Exces	S	2 on btm jt, 1 on 2nd jt, 1 every 4th jt to surface
Production	Lead	943	2.22	11.5	TXI + Fluid Loss + Dispersant + Retarder + LCM
	Tail	1574	1.37	13.2	TXI + Fluid Loss + Dispersant + Retarder + LCM
TOC = 1180'			35% Excess	5	2 on btm jt, 1 on 2nd jt, 1 every 5th jt to top of tail cement (1000' above TOC)

Matador requests the option to cut off 20" SOW wellhead and run 13-3/8" SOW multi-bowl wellhead system once 1<sup>st</sup> intermediate string is run and cemented.

Matador requests the option to run a DV tool with annular packer as contingency in the intermediate 1 or 2 section on 13-3/8" or 9-5/8" casing if lost circulation is encountered. If losses occur, the DV tool with packer will be placed at least 100' above the loss zone to give the option to pump cement as either a single stage or two stage.

#### Example:

Assuming DV tool is set at 1500' MD but if the setting depth changes, cement volumes will be adjusted proportionately.

#### Stage 1:

Lead	695	1.78	13.5	Class C + Bentonite + 2% CaCL2 + 3% NaCl + LCM		
Tail	288	1.35	14.4	Class C + 5% NaCl + LCM		
100% excess, TOC = 0' MD						

#### Stage 2:

Stage 2:						
Lead	350	1.78	13.5	Class C + Bentonite + 2% CaCL2 + 3% NaCl + LCM		
100% excess, TOC = 0' MD						

Matador requests to change BHL on Stebbins 19 Fed Com 203H from 1870' FSL & 240' FWL to 1870' FSL & 100' FWL.

Please see the attached table design changes showing casing changes from 5 string to 4 string.

# PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

<b>OPERATOR'S NAME:</b>	Matador Production Company
LEASE NO.:	NMNM03677
WELL NAME & NO.:	203H-Stebbins 19 Fed Com
<b>SURFACE HOLE FOOTAGE:</b>	2377' /S & 520'/E
<b>BOTTOM HOLE FOOTAGE</b>	1870'/S & 100'/W
LOCATION:	Section 19, T.20 S., R.29 E., NMPM
COUNTY:	Eddy County, New Mexico



H2S	ſ Yes	r No	
Potash		C Secretary	₢ R-111-P
Cave/Karst Potential	C Low		© High
Variance	∩ None	• Flex Hose	∩ Other
Wellhead	Conventional		🕫 Both
Other	4 String Area	Capitan Reef	<b>□</b> WIPP
Other	Fluid Filled	Cement Squeeze	F Pilot Hole
Special Requirements	Water Disposal	COM	└ Unit

#### ALL PREVIOUS COAs STILL APPLY

#### A. CASING

#### Casing Design:

- 1. The **20** inch surface casing shall be set at approximately **400 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 <u>24 hours in the Potash Area</u> 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 13-3/8 inch intermediate casing is:

## **Option 1 (Single Stage):**

• 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.

## Option 2:

Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

- a. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
- b. Second stage above DV tool:
  - Cement to surface. If cement does not circulate, contact the appropriate BLM office.
     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>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.
- Special Capitan Reef requirements. If lost circulation (50% or greater) occurs below the Base of the Salt, the operator shall do the following:
  - Switch to fresh water mud to protect the Capitan Reef and use fresh water mud until setting the intermediate casing. The appropriate BLM office is to be notified for a PET to witness the switch to fresh water.
  - Daily drilling reports from the Base of the Salt to the setting of the intermediate casing are to be submitted to the BLM CFO engineering staff via e-mail by 0800 hours each morning. Any lost circulation encountered is to be recorded on these drilling reports. The daily drilling report should show mud volume per shift/tour. Failure to submit these reports will result in an Incidence of Non-Compliance being issued for failure to comply with the Conditions of Approval. If not already planned, the operator shall run a caliper survey for the intermediate well bore and submit to the appropriate BLM office.

3. T The minimum required fill of cement behind the 9-5/8 inch intermediate casing is:

#### **Option 1 (Single Stage):**

• 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.

#### **Option 2:**

Operator has proposed a DV tool, the depth may be adjusted as long as the cement is changed proportionally. The DV tool may be cancelled if cement circulates to surface on the first stage.

- c. First stage to DV tool: Cement to circulate. If cement does not circulate off the DV tool, contact the appropriate BLM office before proceeding with second stage cement job.
- d. Second stage above DV tool:
  - Cement to surface. If cement does not circulate, contact the appropriate BLM office. Excess calculates to 18% - additional cement may be required.
     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>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.
- Special Capitan Reef requirements. If lost circulation (50% or greater) occurs below the Base of the Salt, the operator shall do the following:
  - Switch to fresh water mud to protect the Capitan Reef and use fresh water mud until setting the intermediate casing. The appropriate BLM office is to be notified for a PET to witness the switch to fresh water.
  - Daily drilling reports from the Base of the Salt to the setting of the intermediate casing are to be submitted to the BLM CFO engineering staff via e-mail by 0800 hours each morning. Any lost circulation encountered is to be recorded on these drilling reports. The daily drilling report should show mud volume per shift/tour. Failure to submit these reports will result in an Incidence of Non-Compliance being issued for failure to comply with the Conditions of Approval. If not already planned, the operator shall run a caliper survey for the intermediate well bore and submit to the appropriate BLM office.

- 4. The minimum required fill of cement behind the 5-1/2 inch production casing is:
  - Cement should tie-back **500 feet** into the previous casing. Operator shall provide method of verification.

# **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)
  - $\boxtimes$  Eddy County

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822

Lea County

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240, (575) 393-3612

- 1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
  - a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
  - b. When the operator proposes to set surface casing with Spudder Rig
    - Notify the BLM when moving in and removing the Spudder Rig.
    - Notify the BLM when moving in the 2<sup>nd</sup> Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
    - BOP/BOPE test to be conducted per Onshore Oil and Gas Order No. 2 as soon as 2nd Rig is rigged up on well.
- 2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.

3. The record of the drilling rate along with the GR/N well log run from TD to surface (horizontal well – vertical portion of hole) shall be submitted to the BLM office as well as all other logs run on the borehole 30 days from completion. If available, a digital copy of the logs is to be submitted in addition to the paper copies. The Rustler top and top and bottom of Salt are to be recorded on the Completion Report.

#### 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.
- <u>Wait on cement (WOC) for Potash Areas:</u> 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 <u>24</u> hours. WOC time will be recorded in the driller's log.
- <u>Wait on cement (WOC) for Water Basin:</u> 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 <u>8 hours</u>. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements.
- 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: 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. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.
  - e. 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.
- 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.
- 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.

#### C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

## D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.) created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area.

Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.