Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs
HOBBS OCD
SEP 02 2011
RECEIVED

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

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.*

1. Type of Well ☑ Oil Well ☐ Gas Well ☐ Other	5. Lease Serial No. NMLC031670B
	6. If Indian, Allottee or Tribe Name N/A
	7. If Unit of CA/Agreement, Name and/or No. SEMU Unit
2. Name of Operator ConocoPhillips Company	8. Well Name and No. SEMU # 62
3a. Address P.O Box 51810 Midland, Tx 79710 3b. Phone No. *(include area code)* 432-688-6943	9. API Well No. 30-025-07835 10. Field and Pool or Exploratory Area Warren McKee
4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* 1880 FSL & 1980 FWL UL: K Of 20-20S-38E	11. Country 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
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☑ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ 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.)

ConocoPhillips Company respectfully request to recomplete the above well to the Eumont Seven Rivers formation. Please see the attached proposed procedure.

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

Approval Subject to General Requirements & Special Stipulations Attached

APPROVED FOR 3 MONTH PERIOD
ENDING 2 Dec 2011

14 I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* Donna Williams	Title Sr. Regulatory Advisor
Signature	Date 08/10/2011

PETROLEUM ENGINEER
SEP 06 2011

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Ted Murphy	Title PETROLEUM ENGINEER Date SEP -2 2011
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 BLM-CARLSBAD FIELD OFFICE

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)

SEP 06 2011

PROCEDURE

1. MI & RU service unit. NU hydril BOP. Un-seat PKR @ 2958. POOH w/ tbg & PKR. The following is a summary of the current well configuration following the recent well work:

	Depth RKB:		KB: 3564; GL: 3551 (KB - GL: 13 ft. per E-log 08.29.57)
	top	btm	
10-3/4", 32.5#, H-40	surf	255	07.02.57: Cmt w/ 250 sx. Circ cmt to surface
7-5/8", 24# & 26.4#	surf	3341	07.15.57: Cmt w/ 1000 sx. TOC: 1500 (temp survey)
7-5/8", 24# & 26.4#	3341	3999	
			Note:
5-1/2", 17#, N-80	surf	3609	08.1957 : Cmt w/ 310 sx. Reported TOC: 6160
5-1/2", 15.5, J-55	3609	4118	04.25.01: TOC @ 4230 per CBL
5-1/2", 17#, N-80	4118	9236	03.17.04: 5-1/2" perforated @ 4040.
			5-1/2" x 7-5/8" cmt to surface w/ 400 sx
			thru cmt retainer @ 3950. Circ 75 sx.
2-3/8", 4.7#, J-55 tbg w/	surf	2957	07.08.11
OFT: 1.875" x 1.791" XN profile	2957	2958	
PKR	2958	2963	
Current Perforation Intervals:	2994	2999	07.07.11: Perforate @ 5 spf
	3035	3040	
	3052	3062	
	3068	3075	
	3095	3105	
	3153	3160	
	3230	3240	
	3295	3305	
	3338	3348	
	3371	3380	
	3405	3412	
PBD: Cmt Retainer (5-1/2", 17#)	3950	3953	03.17.04: Perf 4050. Cmt to surface w/ 400 sx. TA well

2. RIH w/ 2-3/8", 4.7#, J-55 tbg w/ RBP & PKR (5-1/2", 17#). Test tbg below slips @ 4000# (internal yield prs @ 100%: 7700#). Acidize w/ total 110 bbl (4620 gal) 15% NE Fe HCl :

   Acidize Gross Interval: 3405-3412 w/ 9 bbl (378) gal 15% HCl

   a. Set RBP @ 3420 (below lowermost perf: 3412)
   b. Pull EOT to 3412. Pump 9 bbl (378 gal) 15% NE Fe HCl followed by 4.1 bbl 2% KCl.
   c. SD and allow well to equalize (approx. tbg column: 138-3412)
   d. PUH & set PKR @ 3390 (between perfs: 3380 & 3405)
   e. Flush w/ 10 bbl 2% KCl (0.4 bbl over-flush). AIR: 2 BPM @ 2000#
   f. Record ISIP & SITP(5 min).

Acidize Gross Interval: 3371-3380 w/ 11 bbl (462 gal) 15% HCl

a. Set RBP @ 3390 (between perfs 3380 & 3405)
b. Pull EOT to 3380. Pump 11 bbl (462 gal) 15% NE Fe HCl followed by 1.8 bbl 2% KCl.
c. SD and allow well to equalize (approx. tbg column: 171-3380)
d. PUH & set PKR @ 3360 (between perfs 3348 & 3371)
e. Flush w/ 12 bbl 2% KCl (0.3 bbl over-flush). AIR: 2 BPM @ 2000#
f. Record ISIP & SITP(5 min).

Acidize Gross Interval: 3338-3348 w/ 12 bbl (504 gal) 15% HCl

a. Set RBP @ 3360 (between perfs 3348 & 3371)
b. Pull EOT to 3348. Pump 12 bbl (504 gal) 15% NE Fe HCl followed by 0.7 bbl 2% KCl.
c. SD and allow well to equalize (approx. tbg column: 184-3348)
d. PUH & set PKR @ 3320 (between perfs 3305 & 3338)
e. Flush w/ 13 bbl 2% KCl (0.2 bbl over-flush). AIR: 2 BPM @ 2000#
f. Record ISIP & SITP(5 min).

Acidize Gross Interval: 3295-3305 w/ 12 bbl (504 gal) 15% HCl

a. Set RBP @ 3320 (between perfs 3305-3338)
b. Pull EOT to 3305. Pump 12 bbl (504 gal) 15% NE Fe HCl followed by 0.8 bbl 2% KCl.
c. SD and allow well to equalize (approx. tbg column: 180-3305)
d. PUH & set PKR @ 3265 (between perfs: 3240 & 3295)
e. Flush w/ 13 bbl 2% KCl (0.2 bbl over-flush). AIR: 2 BPM @ 2000#
f. Record ISIP & SITP(5 min).

Acidize Gross Interval: 3230-3240 w/ 12 bbl (504 gal) 15% HCl

a. Set RBP @ 3265 (between perfs 3240 & 3295)
b. Pull EOT to 3240. Pump 12 bbl (504 gal) 15% NE Fe HCl followed by 0.6 bbl 2% KCl.
c. SD and allow well to equalize (approx. tbg column: 180-3240)
d. PUH & set PKR @ 3200 (between perfs: 3160 & 3230)
e. Flush w/ 13 bbl 2% KCl (0.2 bbl over-flush). AIR: 2 BPM @ 2000#
f. Record ISIP & SITP(5 min).

Acidize Gross Interval: 3153-3160 w/ 9 bbl (378 gal) 15% HCl

a. Set RBP @ 3200 (between perfs 3160 & 3230)
b. Pull EOT to 3160. Pump 9 bbl (378 gal) 15% NE Fe HCl followed by 3.2 bbl 2% KCl.
c. SD and allow well to equalize (approx. tbg column: 135-3160)
d. PUH & set PKR @ 3130 (between perfs: 3105 & 3153)
e. Flush w/ 10 bbl 2% KCl (0.4 bbl over-flush). AIR: 2 BPM @ 2000#
f. Record ISIP & SITP(5 min).

Acidize Gross Interval: 3095-3105 w/ 12 bbl (504 gal) 15% HCl

a. Set RBP @ 3130 (between perfs 3105 & 3153)
b. Pull EOT to 3105. Pump 12 bbl (504 gal) 15% NE Fe HCl.
c. SD and allow well to equalize (approx. tbg column: 182-3105)
d. PUH & set PKR @ 3085 (between perfs: 3075 & 3095)
e. Flush w/ 13 bbl 2% KCl (0.6 bbl over-flush). AIR: 2 BPM @ 2000#
f. Record ISIP & SITP(5 min).

Acidize Gross Interval: 3052-3075 w/ 21 bbl (882 gal) 15% HCl

a. Set RBP @ 3085 (between perfs 3075 & 3095)
b. Pull EOT to 3075. Pump 11.7 bbl (490 gal) 15% NE Fe HCl.
c. SD and allow well to equalize (approx. tbg column: 179-3075)
d. PUH & set PKR @ 3045 (between perfs: 3040 & 3052)
e. Pump remaining 9.3 bbl (392 gal) 15% NE Fe HCl.
e. Flush w/ 13 bbl 2% KCl (0.5 bbl over-flush). AIR: 2 BPM @ 2000#
f. Record ISIP & SITP(5 min).

Acidize Gross Interval: 3035-3040 w/ 6 bbl (252 gal) 15% HCl

a. Set RBP @ 3045 (between perfs 3040 & 3052)
b. Pull EOT to 3040. Pump 6 bbl (252 gal) 15% NE Fe HCl followed by 5.9 bbl 2% KCl.
c. SD and allow well to equalize (approx. tbg column: 88-3040)
d. PUH & set PKR @ 3015 (between perfs: 2999 & 3035)
e. Flush w/ 7 bbl 2% KCl (0.6 bbl over-flush). AIR: 2 BPM @ 2000#
f. Record ISIP & SITP(5 min).

Acidize Gross Interval: 2994-2999 w/ 6 bbl (252 gal) 15% HCl

a. Set RBP @ 3015 (between perfs 2999 & 3035)
b. Pull EOT to 2999. Pump 6 bbl (252 gal) 15% NE Fe HCl followed by 5.6 bbl 2% KCl.
c. SD and allow well to equalize (approx. tbg column: 90-2999)
d. PUH & set PKR @ 2980 (above perf: 2999)
e. Flush w/ 7 bbl 2% KCl (0.6 bbl over-flush). AIR: 2 BPM @ 2000#
f. Record ISIP & SITP(5 min).

POOH w/ tbg, PKR & RBP.

3. RIH w/ 2-3/8", 4.7#, J-55 tbg, OFT (1.875" x 1.791" XN profile) & PKR equipped w/ pump-out plug. Set PKR @ 2960. Test 2-3/8" x 5-1/2" annulus @ 500#.

   Release from PKR. Circ 2-3/8" x 5-1/2", 17# annulus PKR fluid (annular capacity to PKR: 52.7 bbl).

   Latch in to PKR. Prs-up tbg & blow pump-out plug.

4. Swab well to kick-off. Estimated load volume 136 bbl

Approximate formation load:	114 bbl
tbg & csg capacity to lowermost perforation:	22 bbl

5. RD well service unit. Place well on production. Submit well test & Change of Status for Regulatory filing.

	Capacity		Internal Diam. : in.		Internal Yield (Burst): psi	
	bbl / ft	gal /ft	nom.	drift	100%	80%
2-3/8", 4.7#, J-55	0.00387	0.1624	1.995	1.901	7700	6160
2-7/8", 6.5#, J-55	0.00579	0.2431	2.441	2.347	7260	5808
5-1/2", 17#, J-55	0.02324	0.9764	4.892	4.767	5320	4256
2-3/8" x 5-1/2", 17#	0.0178	0.7463				
2-7/8" x 5-1/2", 17#	0.0152	0.6392				

SEMU #62
EUMONT (SEVEN RIVERS) RECOMPLETION PROCEDURE
PROJECT RFE #WA5.RFE.CH10.__
November 1, 2010

COPC WI: 50%	COPC NRI: 43.75%	State: New Mexico
Well Status: Temp Abandoned	Well Type: Gas Producer	County: Lea
Area: Permian	Field: Eumont (Y-SR-Q)	Team: Hobbs East
Venting: Permit not required	Flaring: Permit not required	H_2S: 10 PPM
Well Control: Class 2 Category 2	(post perforating & post stimulation)	

IMPORTANCE OF SAFETY

Safe operations are of utmost importance at all ConocoPhillips properties and facilities. To further this goal, the ConocoPhillips Supervisor at the location shall request tailgate safety meetings prior to initiation of work and also prior to any critical operations. All company, contract, and service personnel then present shall attend these tailgate safety meetings at the location. All parties shall review the proposed upcoming steps, procedures, and potentially hazardous situations. Occurrence of these meetings shall be recorded in the WellView Daily Operations Report.

History / Justification

The purpose of the proposed project is to recomplete the SEMU #62 to the Eumont (Seven Rivers) formation. This well must be reactivated or plugged and abandoned to meet BLM requirements. The Warren Unit #62 is currently a temporarily abandoned well that previously produced from the Warren McKee and tested the Strawn. ConocoPhillips is the operator of the subject well with a 50.00% working interest and a 43.75% net revenue interest.

The SEMU #62 was originally completed during September 1957 in the McKee from 9067-9165' without stimulation. In July 1959, the well was re-perforated in the McKee from 9068-9156' and fracture treated with 40,000 gallons and 60,000 lbs of sand. The well was converted to a McKee water injection well in May 1978. Additional McKee perforations from 9070-9178' were added in June 1990, and the McKee was treated with 8400 gallons of acid along with an 8400 gal chlorine dioxide treatment. The SEMU #62 was temporarily abandoned with an RBP set at 8823' in June 1996, then cleaned out to 9152' and returned to water injection in February 2000. During April 2001, the McKee was abandoned with a CIBP set at 8870' and well was perforated in the Strawn from 7716-7727'. The SEMU #62 was temporarily abandoned with a CIBP set at 7000' after several unsuccessful Strawn stimulation attempts. In March 2004, a CIBP was set at 5350', squeeze holes were perforated at 4050', and the production casing was squeezed with 400 sacks of cement using a cement retainer set at 3950'. Cumulative Warren McKee production prior to WIW conversion through May 1978 was 218.0 MBO, 663.9 MMCFG, and 16.2 BW. The well passed a mechanical integrity test during December 2008. The Blinebry, Warren Tubb, and Skaggs Drinkard are all currently on production in the SEMU #104, located less than 345' WSW of the SEMU #62 and in the same 40-acre spacing unit.

API Number 30-025-07835

Location 1880' FSL & 1980' FWL, Sec. 20, T-20-S, R-38-E, Lea County, NM

Depths TD = 9236' PBTD = 3950'

Elevation GL = 3549' DF = 3563' KB = 3564'

SEMU #62
Recomplete to Eumont (Seven Rivers)

Casing Data

Existing Casing and *Proposed* Tubing Information

	OD (in)	Depth (ft)	ID/Drift (inches)	Weight (#/ft)	Grade	Burst	Burst w/ 1.15 D.F.	Collapse (psi)	Collapse w/ 1.05 D.F.	Volume (Bbls/Ft)
Surf. Csg.	7⅝	3999	7.025/6.900	24	H-40	2750	2391	2040	1943	0.0479
Prod. Csg	5½	3582	4.892/4.767	17	J-55	5320	4626	4910	4676	0.0232
Prod. Csg	5½	7699	4.950/4.825	15.5	J-55	4810	4183	4040	3848	0.0238
Prod. Csg	5½	9236	4.892/4.767	17	J-55	5320	4626	4910	4676	0.0232
Prod. Tbg	*2⅜*	*2970*	*1.995/1.901*	*4.7*	*J-55*	*7700*	*6696*	*8100*	*7714*	*0.00387*

Top of Cement: Unknown Casing Fluid: 2% KCl (0.438 psi/ft)

Proposed Cased Hole Perforations

Formation	Perforations (MD)	Frac Grad	Perf Feet	SPF	Phase	Zero Hole	Holes	Anticipated Reservoir Pressure	Reservoir Temp
Seven Rivers	*2994-2999'*		*5*	*5*	*90*	*No*	*25*	*1200*	*86°*
Seven Rivers	*3035-3040'*		*5*	*5*	*90*	*No*	*25*	*1200*	*86°*
Seven Rivers	*3052-3062'*		*10*	*5*	*90*	*No*	*50*	*1200*	*87°*
Seven Rivers	*3068-3075'*		*7*	*5*	*90*	*No*	*35*	*1200*	*87°*
Seven Rivers	*3095-3105'*		*10*	*5*	*90*	*No*	*50*	*1200*	*87°*
Seven Rivers	*3153-3160*		*7*	*5*	*90*	*No*	*35*	*1200*	*88°*
Seven Rivers	*3230-3240'*		*10*	*5*	*90*	*No*	*50*	*1200*	*88°*
Seven Rivers	*3295-3305*		*10*	*5*	*90*	*No*	*50*	*1200*	*89°*
Seven Rivers	*3338-3348'*		*10*	*5*	*90*	*No*	*50*	*1200*	*89°*
Seven Rivers	*3371-3380'*		*9*	*5*	*90*	*No*	*45*	*1200*	*89°*
Seven Rivers	*3405-3412'*		*7*	*5*	*90*	*No*	*35*	*1200*	*90°*

Correlation Log: Lane Wells Radioactivity Log dated 09/05/57 (only 2" per 100' log is available). GR-Neutron-CCL log to be run.

Gun Type: 3⅜" SLB HSD Power Jet 3460 HMX, 22.7 gm perforating system.

Recommended Procedure

1. MIRU wireline. Run GR-Neutron-CCL log from 3950'± to 2500'. Correlate to Lane Wells Radioactivity Log dated 09/05/57 (log section attached - only 2" per 100' log is available). RDMO wireline.

2. MI and set open top frac tank w/ gas buster for flow-back purposes. Haul in 2960'± of 2⅜", 4.7 lb/ft, J-55 tubing. Use 2⅜" tubing as workstring, and haul in enough 2⅜" rental workstring for bit trip in Step #4.

3. MIRU well service unit. ND WH and NU shop tested, Class 2 Hydraulic BOP and environmental tray.

4. PU and TIH with 4¾" bit and 5½" casing scraper on 2⅜" workstring to 3500'±. Test casing to 500 psig. TOOH w/ 2⅜" workstring, casing scraper, and bit to 2500'±. RU swab equipment and swab workstring dry. RD swab equipment. TOOH w/ 2⅜" workstring, casing scraper, and bit. Stand back 2⅜" production tubing. LD 2⅜" rental workstring and bit.

5. MIRU wireline. RU full lubricator and pack-off. Test lubricator to 3000 psig. Run GR-CCL log from 3600' to 2500' for correlation to GR-Neutron-CCL log from Step #1. Perforate Eumont (Seven Rivers) at 2994-99', 3035-40', 3052-62', 3068-75', 3095-3105', 3153-60', 3230-40', 3295-3305', 3338-48', 3371-80', and 3405-12' w/ 5 SPF (450 holes, 0.37" diameter, 60°

phasing) using 3⅜" SLB HSD Power Jet 3460 HMX, 22.7 gm perforating system as per Lane Wells Radioactivity Log dated 09/05/57 and GR-Neutron-CCL log from Step #1. Note: Perforations may be adjusted based on GR-Neutron-CCL log from Step #1.

6. RIH w/ wire-set 5½" Arrowset 1-X production packer (capable of being retrieved with tubing). equipped w/ pump-out plug & OFT w/ 1.875 x 1.791 XN profile. Set 5½" packer at 2960'±. RD full lubricator and pack-off. RDMO wireline.

7. TIH with on/off sealing connector and 2⅜", 4.7 lb/ft, J-55 production tubing. Latch onto 5½" packer with on-off sealing connector. Load & test csg above PKR @ 500#. Release OFT. Circ 2-3/8" x 5-1/2" annulus w/ PKR fluid. Hook up dual choke manifold and flow-line to frac tank. Plumb tubing spool to both produce and take returns to dual choke manifold. Pressure test to surface lines to a minimum of **2000** psig.

8. ND BOP and NUWH. Inspect and repair WH as necessary.

9. RU pump truck. Blow pump-out plug.

10. Flow well to open top frac tank until the well dies. Initially set the choke at 12/64". If necessary, RU swab equipment and swab well to evaluate. Estimate gas and fluid recovery.

11. If necessary, MIRU pumping services equipment. Acidize the Eumont (Seven Rivers) perforations 2994-3412' with 4500 gallons of 15% NEFE HCl foamed with nitrogen at 10± BPM. RD pumping services equipment.

12. RDMO well service rig. Clean location. Connect surface lines. Turn well over to Operations and place well on production. Report well tests on morning report. Place stabilized well test in Avocet. Submit change of status report.

Jack T. Lowder
11/1/2010

SEMU #62
ConocoPhillips Company
30-025-07835
2 Sep 2011
Conditions of Approval

Summary of Current Status:

- Existing casing program:
  - 10-3/4" 32# H-40 at 255'
  - 7-5/8" 24# & 26.4# at 3999'
  - 5-1/2" 17# N-80 & 15.5# J-55at 9236'
  - Cement has previously been circulated to surface outside 5-1/2" casing.
- Well has previously been plugged back to the Seven Rivers formation.

Current Sundry Requests:
To isolate and acidize the existing selective perforations between 2994' – 3412' in the Seven Rivers Formation. The well was plugged back in 2004 and this sundry is for stimulation.

Note: Operator has submitted this sundry after the fact.

When the work is completed, a subsequent sundry and completion report are required, listing all details of the work done.

Conditions of Approval including abandonment requirement:

1. The plugged back section of the wellbore must be abandoned according to BLM standard plugging guidelines and a copy of those standard guidelines is attached.

2. When the sundry for abandonment of the lower wellbore section is submitted, BLM will review it to ensure compliance with these guidelines.

3. **Notification: Contact the appropriate BLM office at least 24 hours prior to commencing of any plugback operations and for witness requirements.** Descriptions of plugs requiring BLM witness of tags are included in the guideline.

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

4. **Although there are no measured amounts of Hydrogen Sulfide reported, it is always a potential hazard. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.**

5. **2000 (2M)** BOP to be used. All blowout preventer (BOP) and related equipment (BOPE) shall comply with reasonable well control requirements. A two ram system with a blind ram and a pipe ram designed for the size of the work string shall be adequate. Tapered work strings will require an additional pipe ram. The manifold shall comply with Onshore Oil and Gas Order #2 Attachment I (2M Diagrams of Choke Manifold Equipment). The accumulator system shall have an immediately available power source to close the rams and retain 200 psi above pre-charge. The pre-charge test shall follow requirements in Onshore Order #2.

6. In the event that an Annuli Survey is done, the measured pressures (if any) and the observed effluents (if any) of each annulus, should be reported to the BLM, along with the amounts of any H2S or CO2 also reported.

7. **Surface disturbance beyond the existing pad must have prior approval.** If the move-in of any subsequently required stimulation equipment and related tanks will cause the originally approved footprint for the location to be changed, it will then be necessary to obtain a revised impact evaluation from the BLM. An updated Sundry request for any recompletion and testing must be submitted, if that work is intended. **Note that a closed loop system is required for all work on location.**

Plugging operations shall commence within **ninety (90)** days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90th day after receipt of this communication, provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

TMM 09/01/2011

Guidelines for Plugging

- All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement whichever is greater.
- Mud laden fluids must be placed between all cement plugs.
- Mud laden fluids must be mixed at 25 sacks of gel per 100 bbls of water.
- A cement plug is required to be set **50' below and 50' above** all casing shoes and casing stub plugs. **These plugs must be tagged.**
- **A CIBP with 35'** of cement on top may be set in lieu of 100' cement plug.
- A plug as indicated above must be placed within 100' of top perforation. **This plug must be tagged.**
- Plugs set below and above salt zones must be **tagged**.
- No more than **2000'** is to be allowed between cement plugs in open hole and no more than **3000'** in cased hole.
- D.V. Tools are required to have a **100' cement plug** set 50' above and 50' below the tool.
- Formations to be isolated with plugs at the top of each formation are:
  - Fusselman
  - Devonian
  - Morrow
  - Wolfcamp
  - Bone Springs
  - Delaware
  - Any salt section (plug at top and bottom)
  - Abo
  - Glorieta
  - Yates (This plug is usually at base of salt section)
- If cement does not exist behind casing strings at recommended formation depths, the casing must be cut and pulled with the plugs set at these depths or the casing must be perforated and cement squeezed behind casing at the formation depths.
- In the **R-111-P area** (Potash Mine area) a solid cement plug must be set across the salt section (50' below and 50' above). Fluid used to mix the cement shall be saturated with the salts common to the section penetrated and in suitable proportions, but not more than a 3% calcium chloride by weight of cement will be the desired mixture whenever possible.