SPOT  18. I hereby certify  SIGNED		SECONDICE STREET		EGEIVE  JUN1 5 1992  OL CON DIV.)  DIST	D.	92 JUN -8 AM 8: 42 019 FARMINGTON, N.M.  APPROV	RECEIVED  / 92 ED
SPOT		SEC SC(JOH)		JUNI 5 1992 OIL CON DIV.)		FARMINGTON, N.M.	RECEIVED BLM
SPOT		SEC SC(JOH)		JUNI 5 1992 IL CON DIV.)		92 JUN -8 AM 8: 42 019 FARMINGTON, N.M.	RECEIVE BLM
	25 Show		A1 100	~ ^ ~ 1 11 7 5	กั	01	
proposed wor nent to this w OPER STOR	SED OR COMPLETED C. k. If well is directly and the cork.) *  RATOR PLAN P. 25 SACK HOLE WIT	IS TO PLUG WICEMENT PLUG H 9.2 PPG MU	te all pertinent ubsurface location  ELL AS F  AT 3647  JD 3547		suits of multip	ort and Log form	well
	NOTICE OF INT				BSEQUENT REPO		
16.	Chark	5400 To		iture of Notice, Report,		JUAN	N.M.
NE/4	SW/	4 15. ELEVATIONS (SE	now whether DF,	RT, GR, etc.)		C.5 T30NR	
	DURAZNO	EL PASO, TEX			VEI	, no.  D and pool, or  RDE GALLU  T., R., M., or bli  URYBY OR ARMA	IP
OIL X GAS OTHER  2. NAME OF OPERATOR  HEBCO OIL CO.						8. FARM OR LEASE NAME MALCO COPPLE	
OIL [7] GA	this form for pro Use "APPL		epen or plug ba	ck to a different reservoir.	7. UNIT	AGREEMENT NAM	E
(Do not use	HINDRY NO	TICES AND RE		N WFLLS		F-080212 DIAN, ALLOTTEE C	OR TRIBE NAME
(Do not use		EAU OF LAND MAI	NAGEMENT				

\*See Instructions on Reverse Side

#### UNITED STATES DEPARTMENT OF THE INTERIOR

## BUREAU OF LAND MANAGEMENT FARMINGTON RESOURCE AREA 1235 LA PLATA HIGHWAY FARMINGTON, NEW MEXICO 87401

Attachment to Notice of

Re: Permanent Abandonment

Intention to Abandon

Well: 7 Malco Copple

### CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal Leases."

- 2. Wark Kelly with the Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 326-6201.
- 3. Blowout prevention equipment is required.
- 4. The following modifications to your plugging program are to be made (when applicable):
  - 1) Bring Gallup plug up to 3300' to cover top of formerion
  - 2) \$ lace Surface plug from 180 (50' below surface (asing shoe) to Surface inside ooutside 51/2" (asing.

note: If fish can not be removed ! then spot a 25 sx plug on top of fish.

Office Hours: 7:45 a.m. to 4:30 p.m.

## UNITED STAFFS DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT FARMINGTON RESOURCE AREA 1235 LA PLATA HIGHWAT FARMINGTON, NEW MEXICO 87401

Ke: Permanent Abamionnent	Attachent to Notice of
:IleV	Intention to Abandon
	₹*
	CONDITIONS OF APPRIVAL
t to the attached "Gemeral is on Paderal Reases."	1. Plugging operations authorized are subjectly likewayers for Permanent Abandonment of $\theta z 1$
ington Office is to be notified	2. with the Parm
ons commence (505) 325-5201.	<ol> <li>with the Parm it heast if hours be are the plugging operant</li> </ol>
	3. Blowout prevention equipment is required.
ing program the to be made (when	4. The following to iffications to roun plugg

Land Charles to be to be the state of the

# GENERAL REQUIREMENTS FOR PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES FARMINGTON RESOURCE AREA

- 1. Secure prior approval either on a Sundry Notice (Form 3160-5) or verbally from the Fluids Drilling & Production Section at this office before changing the approved plugging program.
- 2. Plugging equipment used shall have separate mixing and displacement pumps and a calibrated tank to assure proper displacement of plugs. The Operator is responsible for providing all measuring devices needed to assure proper measurement of materials being used.
- 3. A proper tank or pit will be used to contain all fluids pumped from the well during plugging operations. Unattended pits are to be fenced.
- 4. All cement plugs are to be placed through tubing (or drillpipe) and shall be a minimum of 100 feet in length with 50% excess inside casing or 100% excess when plug is set in open hole or squeezed into perforations. 15.6#/gal slurry weight is to be used when using class B neat cement or when CaCl<sub>2</sub> is used. Use the recommended slurry weight of other type cements when they are used (Class C, Pozzolan etc.).
- 5. Any cement plugs placed when well is not full of fluid, or when well may be taking fluid, (i.e. across perfs-unless bridge plug or retainer is used, across bad csg., or fresh water formations) will be tagged (touched) after cement has set to verify proper location.
  - 5a. Testing The first plug below the surface plug shall generally be tested by either tagging the plug with the working pipe string, or pressuring to a minimum pump (surface) pressure of 1000 psig, with no more than a 10 percent drop during a 15-minute period (cased hole only). If the integrity of any other plug is questioned, it must be tested in the same manner. Also, any cement plug which is the only isolating medium for a fresh water interval or a zone containing a valuable mineral deposit should be tested by tagging with the drill string.
- 6. Mud must be placed between plugs. Plugging mud is to be made up with a minimum of 15 lbs/bbl of sodium bentonite, and a nonfermenting polymer.

  Minimum consistency of plugging mud must be 9 lbs/gal and with a minimum viscosity of 50 sec/qt. Fresh water is to be utilized for mixing mud.
- 7. Following the placement of a cement plug, the withdrawl rate for at least the length of the cement plug shall not exceed 30 ft/min, in order to minimize the contamination of the plug.

- 8. Within 30 days after plugging work is completed, file a Sundry Notice (Subsequent Report of Abandonment, Form 3160-5), in quintuplicate with Area Manager, Bureau of Land Management, 1235 La Plata Highway, Farmington, NM 87401. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. Show date well was plugged.
- 9. All permanently abandoned wells are to be marked with a regulation marker (4" pipe extending 4' above the ground line) containing the information as specified in 43 CFR 3162.6(d). Unless otherwise approved.
- 10. After plugging work is completed the surface is to be rehabilitated in accord with instructions from the Fluids Surface Management Section of the Farmington Resource Area Office.

All above are minimum requirements. The period of liability under the bond of record will not be terminated until the lease is inspected and surface work approved.

Please advise this office when the well location is ready for final inspection.

Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1.

You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.