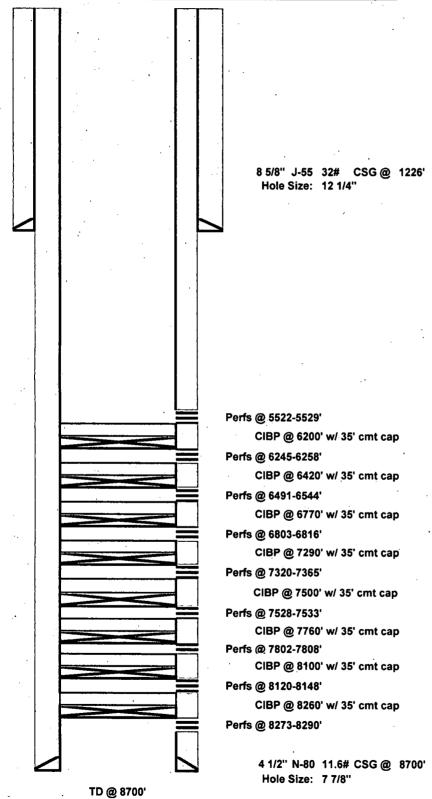
í.	Office	State of N	New Mexico		Form C-103
	District I - (575) 393-6161	Energy, Minerals a	and Natural Resources		Revised July 18, 2013
٠	†625 N: French Dr., Hobbs, NM 88240 <u>District II</u> – (575) 748-1283		. •	WELL API NO.	
	811 S. First St., Artesia, NM 88210		ATION DIVISION	30-015-30897 5. Indicate Type of L	A35A
	<u>District III</u> - (505) 334-6178 1000 Rio Brazos Rd., Aztec, NM 87410		St. Francis Dr.	STATE	FEE
	<u>District IV</u> – (505) 476-3460	Santa Fe,	, NM 87505	6. State Oil & Gas Le	
	1220 S. St. Francis Dr., Santa Fe, NM 87505			VO-4861	
ſ	SUNDRY NOT	ICES AND REPORTS ON	WELLS	7. Lease Name or Un	it Agreement Name
	(DO NOT USE THIS FORM FOR PROPO	SALS TO DRILL OR TO DEEP	EN OR PLUG BACK TO A	Southern Cross 20 S	
ŀ	DIFFERENT RESERVOIR. USE "APPLI PROPOSALS.)	CATION FOR PERMIT" (FORM	C-101) FOR SUCH	8. Well Number #1	
	 Type of Well: Oil Well 	Gas Well Other	·		
	2. Name of Operator	•		9. OGRID Number	
ŀ	Mack Energy Corporation 3. Address of Operator			013837	
	P.O. Box 960 Artesia,NM 88210			10. Pool name or Wil Rio Penasco Wolfam	
ŀ	4. Well Location			Kio renasco wonam	P
Ì	Unit Letter P:	1200 feet from the	S line and	. 1100	.
	Section 20	Township 18S		1100 feet from the	
ł	Section 20		Range 24E ether DR, RKB, RT, GR, etc	NMPM C	ounty Eddy
ı		3808' GR	aner DR, RRD, R1, GR, elc		
					· · · · · · · · · · · · · · · · · · ·
	12. Check	Appropriate Box to Ind	icate Nature of Notice	Report or Other Dat	
	•		•		
	NOTICE OF IN	•	_ SUE	SSEQUENT REPO	
	PERFORM REMEDIAL WORK TEMPORARILY ABANDON		REMEDIAL WOR		TERING CASING
	PULL OR ALTER CASING	CHANGE PLANS MULTIPLE COMPL			ND A
	DOWNHOLE COMMINGLE	MOLTIFLE COMPL	CASING/CEMEN	II JOB	
	CLOSED-LOOP SYSTEM				•
_	OTHER:		OTHER:		
	13. Describe proposed or comp	leted operations. (Clearly s	state all pertinent details, ar	nd give pertinent dates, in	cluding estimated date
	of starting any proposed we	ork). SEE RULE 19.15.7.14	4 NMAC. For Multiple Co	mpletions: Attach wellbe	ore diagram of
	proposed completion or rec	ompletion			
	proposed completion or rec	ompletion.			-
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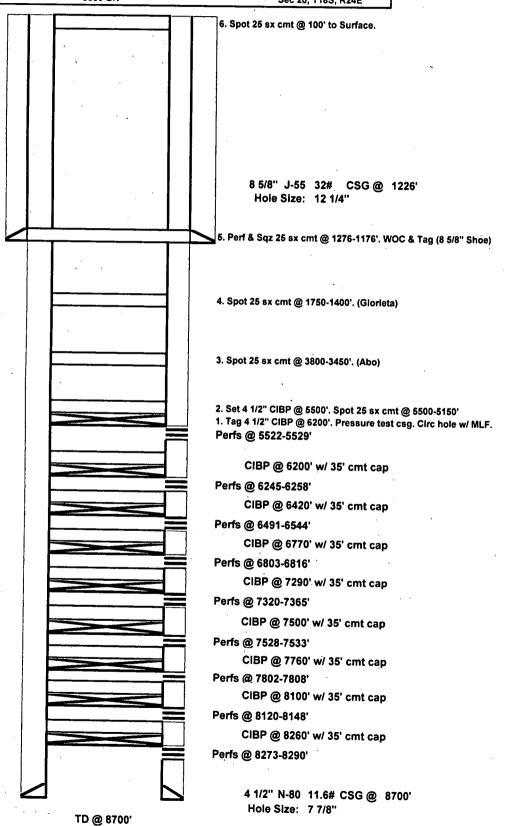
Mack.En	ergy Corp		
Author:	BCM & Associates, Inc		
Well Name	Southern Cross 20 State Com	Well No.	#1
Field	Rio Penasco	API#:	30-015-30897
County	Eddy	Prop #:	28656
State	NM NM	Zone:	Wolfcamp
Spud Date	3/25/2000		Unit P, 1200'FSL & 1100'FEL
GL	3808'GR		Sec 20, T18S, R24E

Description	O.D.	Grade	Weight	Depth	Hole	Cmt Sx	TOC
Surface Csg	8 5/8"	J-55	32#	1226'	12 1/4"	800	Circ'd
Prod Csg	4 1/2"	N-80	11.6#	8700'	7 7/8"	1,820	Circ'd



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CONDITIONS FOR PLUGGING AND ABANDONMENT

District II / Artesia N.M.

The following is a guide or checklist in preparation of a plugging program, this is not all inclusive and care must be exercised in establishing special plugging programs in unique and unusual cases, Notify NMOCD District Office II at (575)-748-1283 at least 24 hours before beginning work.

- A notice of intent to plug and abandon a wellbore is required to be approved before plugging
 operations are conducted. A cement evaluation tool is required in order to ensure isolation of
 producing formations, protection of water and correlative rights. A cement bond log or other
 accepted cement evaluation tool is to be provided to the division for evaluation if one has not
 been previously run or if the well did not have cement circulated to surface during the original
 casing cementing job or subsequent cementing jobs.
- 2. Closed loop system is to be used for entire plugging operation. Upon completion, contents of steel pits are to be hauled to a permitted disposal location.
- 3. Trucking companies being used to haul oilfield waste fluids to a disposal commercial or private shall have an approved NMOCD C-133 permit. A copy of this permit shall be available in each truck used to haul waste products. It is the responsibility of the operator as well as the contractor, to verify that this permit is in place prior to performing work. Drivers shall be able to produce a copy upon request of an NMOCD Field inspector.
- 4. Filing a subsequent C-103 will serve as notification that the well has been plugged.
- 5. A final C-103 shall be filed (and a site inspection by NMOCD Inspector to determine if the location is satisfactorily cleaned, all equipment, electric poles and trash has been removed to Meet NMOCD standards) before bonding can be released.
- 6. If the well is not plugged within 1
- 7. If work has not begun within 1 Year of the approval of this procedure, an extension request must be file stating the reason the well has not been plugged.
- 8. Squeeze pressures are not to exceed 500 psi, unless approval is given by NMOCD.
- 9. Produced water will not be used during any part of the plugging operation.
- 10. Mud laden fluids must be placed between all cement plugs mixed at 25 sacks per 100 bbls of water.
- 11. All cement plugs will be a minimum of 100' in length or a minimum of 25 sacks of cement, whichever is greater. 50' of calculated cement excess required for inside casing plugs and 100% calculated cement excess required on outside casing plugs.
- 12. Class 'C' cement will be used above 7500 feet.
- 13. Class 'H' cement will be used below 7500 feet.
- 14. A cement plug is required to be set 50' above and 50' below, casing stubs, DV tools, attempted casing cut offs, cement tops outside casing, salt sections and anywhere the casing is perforated, these plugs require a 4 hour WOC and then will be tagged
- 15. All Casing Shoes Will Be Perforated 50' below shoe depth and Attempted to be Squeezed, cement needs to be 50' above and 50' Below Casing Shoe inside the Production Casing

- 16. When setting the top out cement plug in production, intermediate and surface casing, wellbores should remain full at least 30 minutes after plugs are set
- 17. A CIBP is to be set within 100' of production perforations, capped with 100' of cement, WOC 4 hours and tag.
- 18. A CIBP with 35' of cement may be used in lieu of the 100' plug if set with a bailer. This plug will be placed within 100' of the top perforation, (WOC 4 hrs and tag).
- 19. No more than 3000' is allowed between cement plugs in cased hole and 2000' in open hole.
- 20. Some of the Formations to be isolated with cement plugs are: These plugs to be set to isolate formation tops
 - A) Fusselman
 - B) Devonian
 - C) Morrow
 - D) Wolfcamp
 - E) Bone Springs
 - F) Delaware
 - G) Any salt sections
 - H) Abo
 - I) Glorieta
 - J) Yates.
 - K) Potash--- (In the R-111-P Area (Potash Mine Area), a solid cement plug must be set across the salt section. Fluid used to mix the cement shall be saturated with the salts that are common to the section penetrated and in suitable proportions, not more than 3% calcium chloride (by weight of cement) will be considered the desired mixture whenever possible, WOC 4 hours and tag, this plug will be 50' below the bottom and 50' above the top of the Formation.
- 21. If cement does not exist behind casing strings at recommended formation depths, the casing can be cut and pulled with plugs set at recommended depths. If casing is not pulled, perforations will be shot and cement squeezed behind casing, WOC and tagged. These plugs will be set 50' below formation bottom to 50' above formation top inside the casing

DRY HOLE MARKER REQUIRMENTS

The operator shall mark the exact location of the plugged and abandoned well with a steel marker not less than four inches in diameter, 3' below ground level with a plate of at least ¼" welded to the top of the casing and the dry hole marker welded on the plate with the following information welded on the dry hole marker:

1. Operator name 2. Lease and Well Number 3.API Number 4. Unit Letter 5. Quarter Section (feet from the North, South, East or West) 6. Section, Township and Range 7. Plugging Date 8. County (SPECIAL CASES)------AGRICULTURE OR PRARIE CHICKEN BREEDING AREAS

In these areas, a below ground marker is required with all pertinent information mentioned above on a plate, set 3' below ground level, a picture of the plate will be supplied to NMOCD for record, the exact location of the marker (longitude and latitude by GPS) will be provided to NMOCD (We typically require a current survey to verify the GPS)