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Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictutious or fraudulent statements or representations as to any matter within its jurisdiction.	Signed	Hooven		Date
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MCA No. 383 Plug and Abandon

OBJECTIVE: Plug and abandon.

WELL DATA

TD: 9406' PBTD: 4310'

Elevation: 3944'(GL) Zero: 0' (AGL)

LOCATION

330' FNL AND 330' FEL, Sec. 33, T17-S, R32-E Lea County, New Mexico

<u>CASING</u>

11-5/8", 218' with cement circulated 8-5/8 , 24# & 32#, J-55 & H-40, set at 4598' with 1600 sacks (circulated)

Note:

- 1. Well was plugged out of the Abo with cement plugs from 8800'-8900'(10 sx), 8200'-8300'(10 sx), 5900' (20 sx), 4570'-4630' (20 sx).
- 2. 4-1/2" casing pulled from 5908'. (4-1/2" casing still in hole from 5908'-9150').
- 3. Queen perfs from 3276'-3319' were squeezed in the 8-5/8" casing with 100 sacks of cement (8/88). A cast iron bridge is set at 4310' with 2 sx. of cement on top. An old cast iron bridge plug was pushed to 4340'(8/88).
- 4. Casing inspection log run 8-4-88, indicates possible holes in the 8-5/8" casing at 3375'-3410' and 3810'. The squeeze perfs may also be suspect of leaking.

PRODUCTION EQUIPMENT

15 jts. 2-7/8" IPC tubing 8-5/8" retrievable packer (make unknown) 30' OEMA 27 jts. of 2-7/8" J-55 tubing with top of tubing at 3672' 21 jts. 7/8" rods with top of rods at 3595' 2 - 1-1/2" sinker bars 1-6' dip tube

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TUBULAR SPECIFICATIONS

	80% 80%	80%
<u>SIZE WT GRADE ID DRIFT</u>	BURST COLLAPSE	YIELD CAPACITY
(IN) (#/FT) (API) (IN) (IN)	(PSIG) (PSIG)	(MLBS) (BBL/FT)
8-5/8 24 J-55 8.097 7.972	2288 1096	195 .0636
8-5/8 32 H-40 7.921 7.796	2360 1768	223 .0609
8-5/8 32 J-55 7.921 7.796	3144 2024	434 .0609
2-7/8 6.4 J-55 2.441 2.347	5808 6144	80 .0058

ZONE TOPS

Grayburg 6th	-	3916′
San Andres U7th	-	40661
San Andres L7th	-	4163′
San Andres 8th	-	4247′
San Andres 9th	-	NR
9TH Massive	-	NR

PERFORATION INTERVAL

- 3975', 77', 79', 90', 92', 94', 96', 98', 4006', 4007', 4009', 4010', 4015', 17', 18', 19', 4020', 21', 39', 40', 41' (2 JSPF) 6th
- U7th 4079', 81', 83', 85', 88', 4101', 02', 05', 07', 17', 21', 23', 33', 35' (2 JSPF)

RECOMMENDED PROCEDURE:

- 1. Rig up steel pits to contain workover fluids during workover.
- 2. Check well for pressure and kill if necessary with 10 PPG brine. Install Blowout preventer and test.
- 3. Rig up workover rig and pull 2-7/8" tubing and 8-5/8" packer.
- 4. Fish rods, tubing and mudanchor out of well.

Note: A. Top of 7/8" rod string at 3595'. B. Top of 2-7/8" tubing at 3672'.

5. Pick up 7-5/8" bit, jet sub, 2-7/8" workstring. Run in hole and clean out well to 4310' with produced water. Circulate well with 10 PPG P&A mud when on bottom.

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MCA 383 Plug and Abandon Page 3

- 6. Pull out of hole with bit. RIH with mule shoe and spot a 200 sack Class "C" neat cement plug from 3700'-4310'. Pull up hole and WOC for 24 hrs. Tag top of plug for depth verification.
- 7. Spot a 130 sack "C" neat cement plug from 3100'-3500'. Pull up hole and WOC for 24 hrs. Tag top of plug for depth verification.
- 8. Spot a 725 sack "C" neat cement plug from 2250 -surface.
- 9. Cut off all casing strings 3' below final restored ground level.
- 10. Fill casing strings with cement, if necessary.
- 11. Cover the wellbore with a 1/4" metal plate welded in place, or a cement cap extending radially at least 12" beyond the 11-5/8" casing and at least 4" thick.
- 12. Erect an abandonment marker according to the following specifications.
 - A. Marker must be at least 4" in diameter, 10' long with 4' above the restored ground level and embedded in cement.
 - B. Marker must be capped and inscribed with the following well information.

MCA No. 383 Sec. 33, T-17S, R-32E Lea County, NM Date

- C. Cut off dead-man anchors below ground level and remove markers. Fill in cellar with sand and contour to surrounding ground level.
- D. Remove all equipment, concrete bases and piping not in use.



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- E. Clean and restore location to its natural state. and reseed.
- F. Send a copy of the well service report to the Midland Office so proper forms can be filed.

93 Sr. Production Engineer

cc: JEP, SDL, HED, FILE Donnie Rogers

Approved:

Supervising Production Eng.

Area Production Manager





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9-9-92

MCA 383 Present WELL DOLE

6-21-92

MICA 383 Proposed WELL LORE

GECENEL

<u>BUREAU OF LAND MANAGEMENT</u> <u>DARLSBAD PESOURCE</u> AREA

Permanent Abandonment of Wells on Federal Lands

<u>Conditions of Approval</u>

1. <u>Approval:</u> Plugging operations shall commence within 90 days from the approval date of plugging procedure.

2. <u>Notification:</u> Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Eddy County call (505)887-6544 ; for wells in Lea County call (505) 393-3612.

3. <u>Blowout Preventers</u>: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. <u>Mud Requirement:</u> Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of water. Minimum nine (9) pounds per gallon.

5. <u>Cement Requirement:</u> Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either class "C", for up to 7,500 feet of depth, mixed at 14.8 lbs./gal. with 6.3 gallons of fresh water per sack or class "H", for deeper than 7,500 feet plugs, mixed at 16.4 lbs./gal. with 4.3 gallons of fresh water per sack.

6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: Well name and number, the name of the operator, the lease serial number, the surveyed location (the quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer; such as metes and bounds).

7. <u>Subsequent Plugging Reporting:</u> Within 30 days after plugging work is completed, file one original and five copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging



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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 <u>date</u> well was plugged.

Following the submittal and approval of the Subsequent Report of Abandonment, surface restoration conditions of approval will be developed and furnished to you.

