

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM
87505

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-34808
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. 163123
7. Lease Name or Unit Agreement Name: Shirley Boyd
8. Well No. 1
9. Pool name or Wildcat McCormack Silurian, South

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH
PROPOSALS.)

1. Type of Well:
Oil Well ☒ Gas Well ☐ Other ☐

2. Name of Operator
Cortez Operating Company

3. Address of Operator
2745 N. Dallas Parkway, Suite 220, Plano, Tx 75093

4. Well Location

Unit Letter D : 400 feet from the North line and 450 feet from the West line

Section 26 Township 22 South Range 37 East NMPM Lea County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)
3335' GR 3352' KB

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐
OTHER: ☐

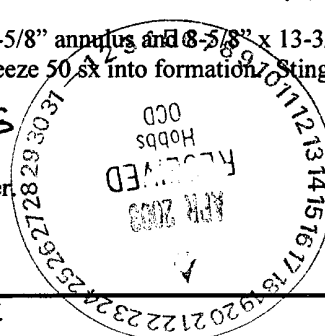
SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

Proposed P&A (see Attached for detailed Procedure and schematics)

1. Notify NMOCD. TIH & set cement plug on RBP @ 4985 from 4985 to 3300' (150' above base of 8-5/8" intermediate casing) - TAG
2. Set CR @ +/- 2400' on wireline. TIH, est inj, & squeeze perfs @ 2500' w/ 150 sx leaving 10 sx (100') on top of plug. - TAG
3. Load hole w/ 9.0 ppg + mud.
4. Perf @ 1200' (below base of Rustler). TIH & Set CR @ +/- 1100'. Attempt to est inj in 5-1/2" x 8-5/8" annulus and 8-5/8" x 13-3/8" annulus. If successful, cement both annuli, close valves after cement returned to surface and stage squeeze 50 sx into formation. Sting out & leave 10 sx on top CR.
5. Set balanced 35 sx balanced plug from 600 to 300' (across base of 13-3/8" surface casing) - TAG
6. Set 20' surface plug. - 10 SX - 60' PLUG
7. Cut off wellhead @ ground level. Weld steel plate across all casing strings & install dry hole marker.
8. RD RR.



I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE David C. Myers TITLE Exec. V. P. DATE 4/17/03

Type or print name David C. Myers Telephone No. 972.781.6595 x 113

(This space for State use)

APPROVED BY Gay W. Wink OC FIELD REPRESENTATIVE II/STAFF MANAGER APR 21 2003
TITLE DATE
Conditions of approval, if any

Cortez Operating Company

**Shirley Boyd #1
Lea County, NM**

Plug & Abandon Procedure

Objective: Plug and Abandon

Current Wellbore:

TD/PBTD: 7400' / 7310'

RKB: 17'

Surf Csg: Surf – 440' 13-3/8" 48# H-40 440 sx (circ'd)

Int Csg : Surf – 3450' 8-5/8 32# J-55 600 Sx 35 :65 Poz & 200 Cl C Neat
(1408 ft³ total cmt volume)

Prod Csg : Surf – 7400' 5-1/2" 15.5# J-55 LTC 400 sx Cl C (circ'd to DV tool)
DV @ 5610' w/ 350 sx 35 :65 Poz
(TOC 1300' CBL)

Min ID:	4.950"	Min Burst:	4810 psi
Min Drift:	4.825"	Min Collapse:	4040 psi
Capacity:	0.0238 bbl/ft	Ann Cap w/2-7/8":	0.0158 bbl/ft

Prod Tbg: 225 jts 2-7/8" 6.5# J-55 w/ TAC 7110'.

ID:	2.441"	Burst:	7,260 psi
Drift:	2.347"	Collapse:	7,680 psi
Capacity:	.0058 bbl/ft	Yield:	72,580 lb

RBP : 4985' w/ 2 sx sd

Tubing head: 11" 3M x 7-1/16" 3 M (J&W wellhead)

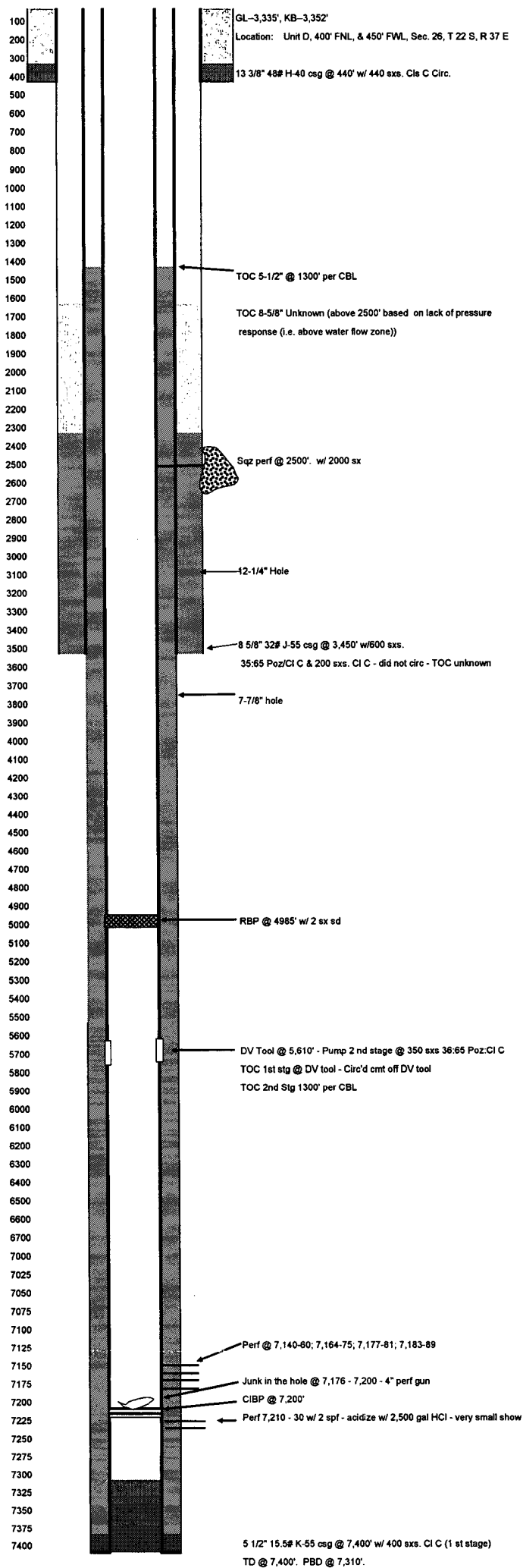
Perfs: 7140-60, 7164-75, 7177-81, 7183-89' (Fusselman)
2500' Sqz perf

PROCEDURE

1. Drill out cmt above CR from 2nd Sqz of perms @ 2500'. Circ samples up & verify cement is hard. If so, drill CR & cmt from 2nd Sqz. Continue to monitor samples. If green cmt, report results to Lee Robertson or David Myers. Report results as to whether or not squeeze holds to Plano ASAP.
 2. If decision is to Plug & Abandon well, notify NMOCD and continue with step 3.
 3. FIH & tag RBP. RU cementers. Spot 250 sx Cl C + 2% CaCl plug (1.32 yld) to spot plug 4986-3300' (150' above base of 8-5/8" csg). POH to 3000'. Reverse circ tbg clean. POH.
 4. RU wireline unit. TIH w/ GR or equiv & tag TOC @ +/- 3300'. Set CR @ +/- 2400'. RD wireline unit.
 5. RU cementers. TIH & sting into CR. Est. inj rate & squeeze w/ 150 sx Cl C + 2% CaCl, Sting out & spot last 10 sx on top of CR (approx 100'). POH 200' & reverse circ tbg. Circ hole w/ 9.0 ppg + mud. POH & LD excess tbg out of derrick.
 6. RU wireline unit. TIH & perf @ 1200' below Rustler formation. Monitor both annulus while perforating. TIH & set CR on wireline @ 1100'. RD wireline unit.
 7. TIH & Sting into CR. Attempt to establish injection w/ FSW up 8-5/8 x 13-3/8" annulus and 5-1/2 x 8-5/8" annulus. If successful, mix & pump cement Cl C + 2% CaCl to circ both annuli to surface w/ good cement. Close both casing valves & stage sqz approx 50 sx into formation. Sting out & spot 10 sx on top CR. . *If circ is achieved in both string approx 1000 sx will be minimum required.*
- Note: If unsuccessful circulating both strings to surface, contact Plano & NMOCD regarding plug @ 400'.*
8. POH to 600'. Spot balanced 35 sx plug from 600 to 300' (150' above & below 13-3/8" casing shoe). PU to 200' reverse circulate tbg clean. Tag plug if requested by NMOCD.
 9. Set 20' surface plug, cut off casing & ground level. Weld plate over all strings & install dry hole marker.
 10. RD RR.

Cortez Operating Company
Shirley Boyd # 1
South McCormack Silurian Field, Lea County, New Mexico
Wellbore Schematic

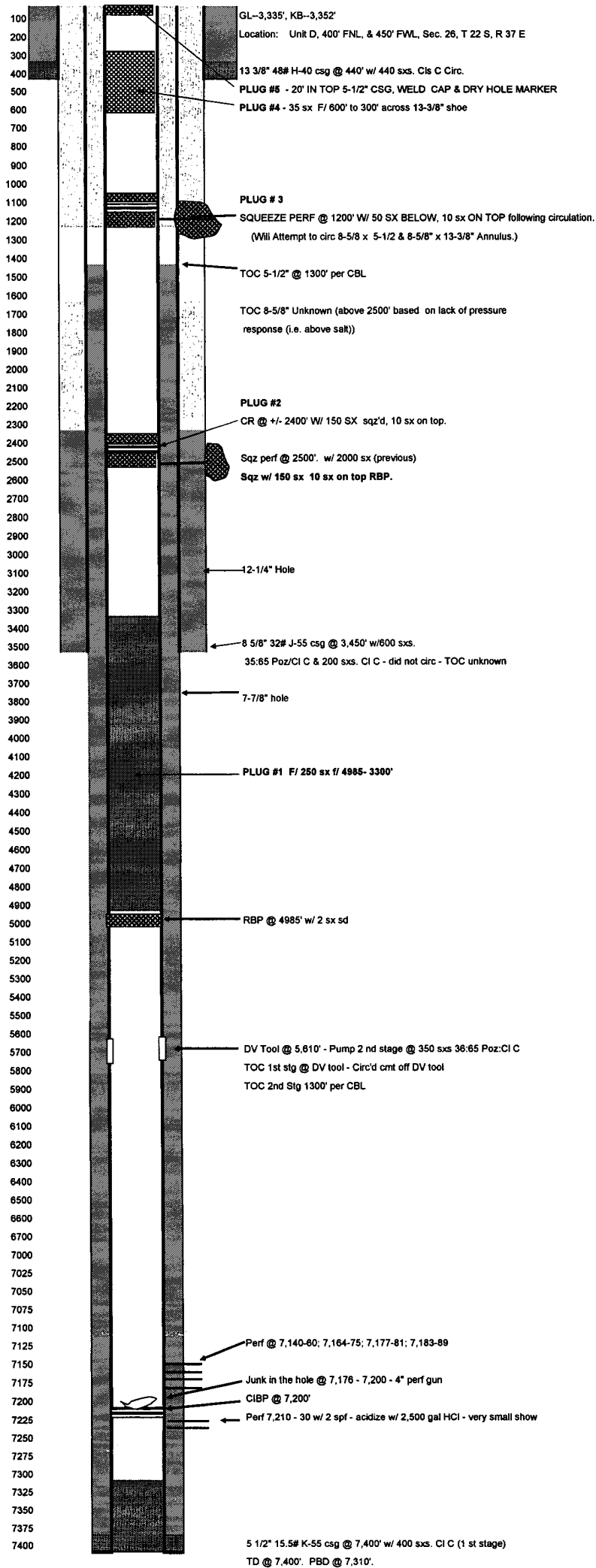
API # 30.025.34808
Current Wellbore



data as found in well file as of October, 2000

Cortez Operating Company
Shirley Boyd # 1
South McCormack Silurian Field, Lea County, New Mexico
Wellbore Schematic

API # 30.025.34808
Proposed P&A



data as found in well file as of October, 2000