

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N French Dr, Hobbs, NM 88240
District II - (575) 748-1283
811 S First St, Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd, Aztec, NM 87410
District IV - (505) 476-3460
1220 S St Francis Dr, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised August 1, 2011

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

WELL API NO.	30-015-23470
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>	
6. State Oil & Gas Lease No. B-11593	
7. Lease Name or Unit Agreement Name EMPIRE SOUTH DEEP UNIT	
8. Well Number	021
9. OGRID Number	272295
10. Pool name or Wildcat EMPIRE; MORROW, SOUTH (GAS)	

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 <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>	
2. Name of Operator THREE RIVERS OPERATING CO., LLC	
3. Address of Operator 1122 S CAPITAL OF TEXAS HWY, #325 AUSTIN, TX 78746	
4. Well Location Unit Letter <u>A</u> : <u>660</u> feet from the <u>NORTH</u> line and <u>660</u> feet from the <u>EAST</u> line Section <u>36</u> Township <u>17S</u> Range <u>28E</u> NMPM County <u>EDDY</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3678' GR	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input checked="" type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
OTHER <input type="checkbox"/>		OTHER <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

This well is currently completed in the Morrow perms (10726' - 10804') and is depleted. .
Three Rivers Operating Co, LLC respectfully requests to recomplete the well in the Wolfcamp perms (7558' - 8240') per attached procedure

RECEIVED
MAY 17 2012
NMOCD ARTESIA

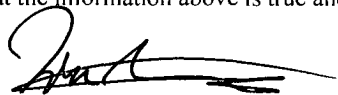
Spud Date:

05/29/12

Rig Release Date:

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

SIGNATURE



TITLE OPERATIONS MANAGER

DATE 05/16/2012

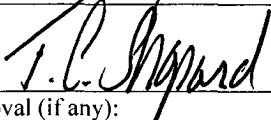
Type or print name TOM STRATTON

E-mail address: tstratton@3mr.com

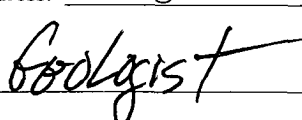
PHONE: 512-706-9849

For State Use Only

APPROVED BY:



TITLE



DATE

5/17/2012

Conditions of Approval (if any):

THREE RIVERS OPERATING LLC
EMPIRE SOUTH DEEP UNIT #21
API # 30-015-23470
SEC 36-18S-28E
EDDY COUNTY, NM

PURPOSE: TO RECOMPLETE WELL FROM MORROW (DEPLETED) TO WOLFCAMP; THIS IS AN INACTIVE WELL AND NEEDS TO BE RETURNED TO PRODUCTION TO AVOID COMPLIANCE ISSUES
THE ESDU #3 WELL WAS RECENTLY COMPLETED IN THE WOLFCAMP AND IS PRODUCING 60 BOPD + 100 MCFPD + 260 BSWPD. CVE HAS INITIATED ELECTRICAL HOOK-UPS ON THE ESDU, AND WE HAVE ENTERED INTO AN SWD AGREEMENT WITH GERONIMO SWD LLC FOR OUR PRODUCED WATER.

PROCEDURE:

PREPARE LOCATION; SET ANCHORS
MIRU WORKOVER RIG
PUMP KCL DOWN TBG & CASING TO LOAD HOLE
NIPPLE DOWN WELLHEAD TREE; NIPPLE UP BOP
UNSEAT PKR @ 10623'; PULL TBG OOH (SCANALOG TBG OOH)
RIG UP WIRELINE
RIH WITH GAUGE RING & JUNK BASKET TO 10,700'
RUN GR-CCL-CBL FROM 10,900' TO 4200'
SET CIBP @ 10,700' & DUMP 35' CMT PLUG
SET CIBP @ 10,330' & DUMP 35' CMT PLUG (TOP OF MORROW @ 10,366')
SET CIBP @ 8800' & DUMP 35' CMT PLUG

PRESSURE TEST CASING TO 1000# - HOLD FOR 15"

PERFORATE WOLFCAMP FORMATION AS FOLLOWS:

TEST 1	8232 - 40' W/ 2 JSPF 180 DEG - .42 SHOT	POR - 8%	RT - 80	SW - 30%
	8027 - 40' W/ 2 JSPF 180 DEG - .42 SHOT	POR - 6%	RT - 100	SW - 33%
	7991 - 97' W/ 2 JSPF 180 DEG - .42 SHOT	POR - 7%	RT - 40	SW - 39%
	7958 - 66' W/ 2JSPF 180 DEG - .42 SHOT	POR - 9%	RT - 60	SW - 41%

TEST 2	7606 - 12' W/ 2 JSPF 180 DEG - .42 SHOT	POR - 7%	RT - 1000	SW - 16%
	7558 - 66' W/ 2 JSPF 180 DEG - .42 SHOT	POR - 6%	RT - 2000	SW - 12%

TEST 1 RIH W TBG , ARROW SET PKR & RBP; SET RBP @ 8300'
SPOT 500 GALS 15% ACID @ 8250'; SET PKR @ 7900' PRESSURE UP ON BACKSIDE TO 500
BREAKDOWN PERFS AND SWAB TEST BACK; EVALUATE FOR PRODUCTION
ACIDIZE WITH 4000 GALS 15% HCL NEFE USING 90 BIO BALLS
SWAB WELL BACK AND TEST FOR PRODUCTION
LOAD TBG & RELEASE PKR; RETRIEVE RBP; PULL UP & SET RBP @ 7670'

TEST 2 PULL UP & SPOT 500 GALS ACID @ 7610'; SET PKR @ 7500'
BREAKDOWN PERFS AND SWAB TEST BACK; EVALUATE FOR PRODUCTION
ACIDIZE WITH 2000 GALS 15% HCL NEFE USING 60 BIO BALLS
SWAB WELL BACK AND TEST FOR PRODUCTION
IF WELL DOES NOT FLOW - RETRIEVE RBP & PULL PKR OOH
RIH W TBG, BOTTOM HOLE PUMP ASSEMBLY, S.N. TO 8250'; EOT @ 8310'
RUN RODS & PUMP
SET 640 PUMPING UNIT W GAS ENGINE
UPGRADE TANK BATTERY FACILITIES: ADD 1- 500 BBL STEEL OIL TANK
2 - 500 BBL FG WATER TANKS, 4X20' HTR
SECURE R-O-W FOR ELECTRICITY AND SWD LINE TO #5 FACILITY
RETURN WELL TO PRODUCTION
FILE NM-OCD COMPLETION & COMPLIANCE PAPERS

3 ROL

ESDU# 21

SEC 36-185-28E

API # 30-015-23470

EDDY CO. NM

PROPOSED: A/C IN WC

H40
13 3/8 AB# @ 450'
W/ 425 SX CMT CIRC

TOC @ 2380'

K55
85 7/8" 32" @ 2890'
W/ 2050 SX CMT CIRC

T/WC @ 7360'

7558-66	2 spf	}	A 2000 GAL 15% HCL
7606-12'	2 spf		
7958-64'	2 spf	}	A 4000 GAL 15% HCL
7990-8000'	2 spf		
8027-40'	2 spf		
8232-40'	2 spf		

CIBPC @ 8800' W/ 35' CMT

CIBPC @ 10330' W/ 35' CMT
T/MRRWC @ 10366'

CIBPC @ 10700' W/ 35' CMT
M 10726-804' CUM 7.8 BCF 45 MBO
DEPLETED

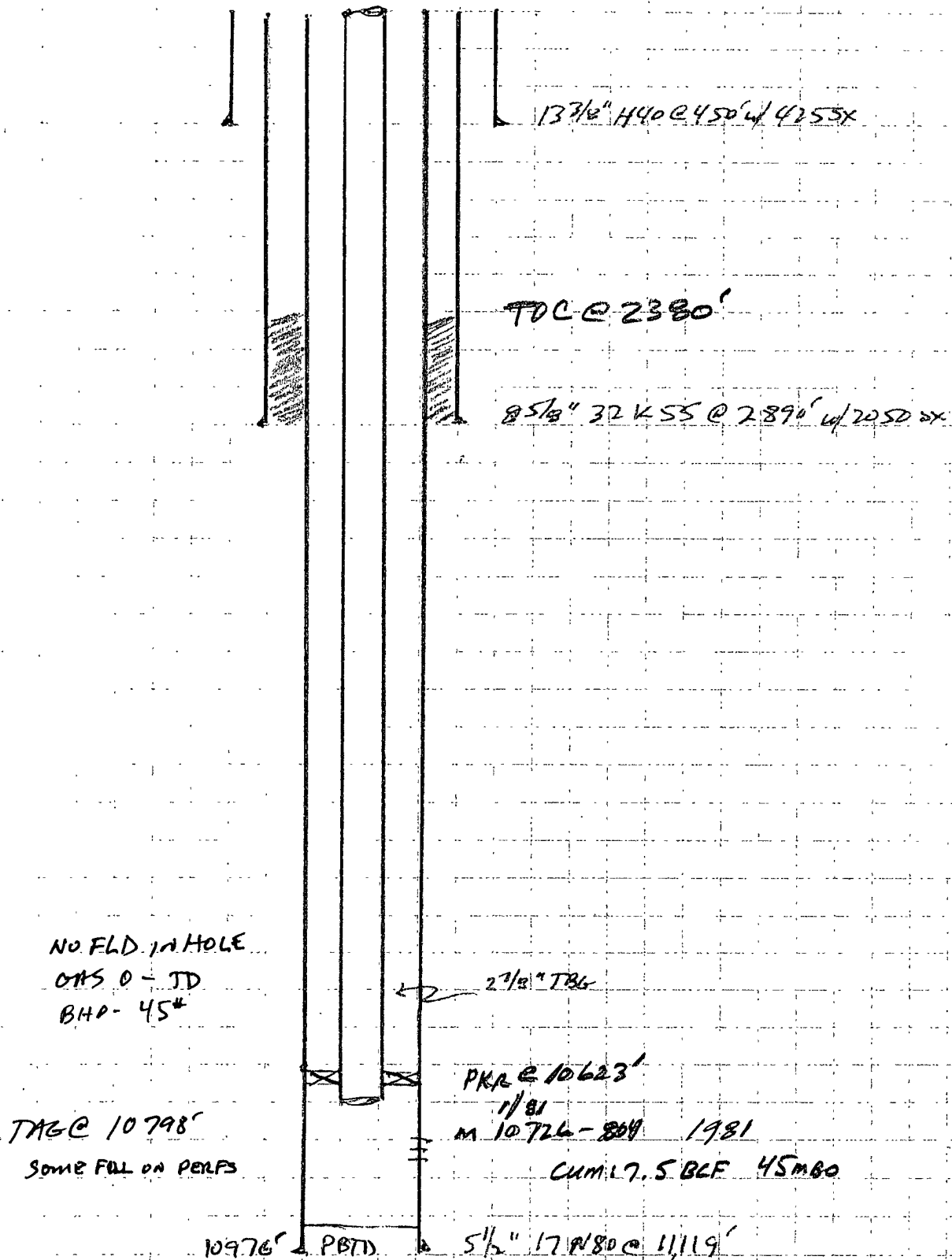
5 1/2" 15.5/17" @ 11119'
N80 W/ 2850 SX

AMPAD™

3 RIVERS OPERATING LLC

ESDU # 21

CURRENT

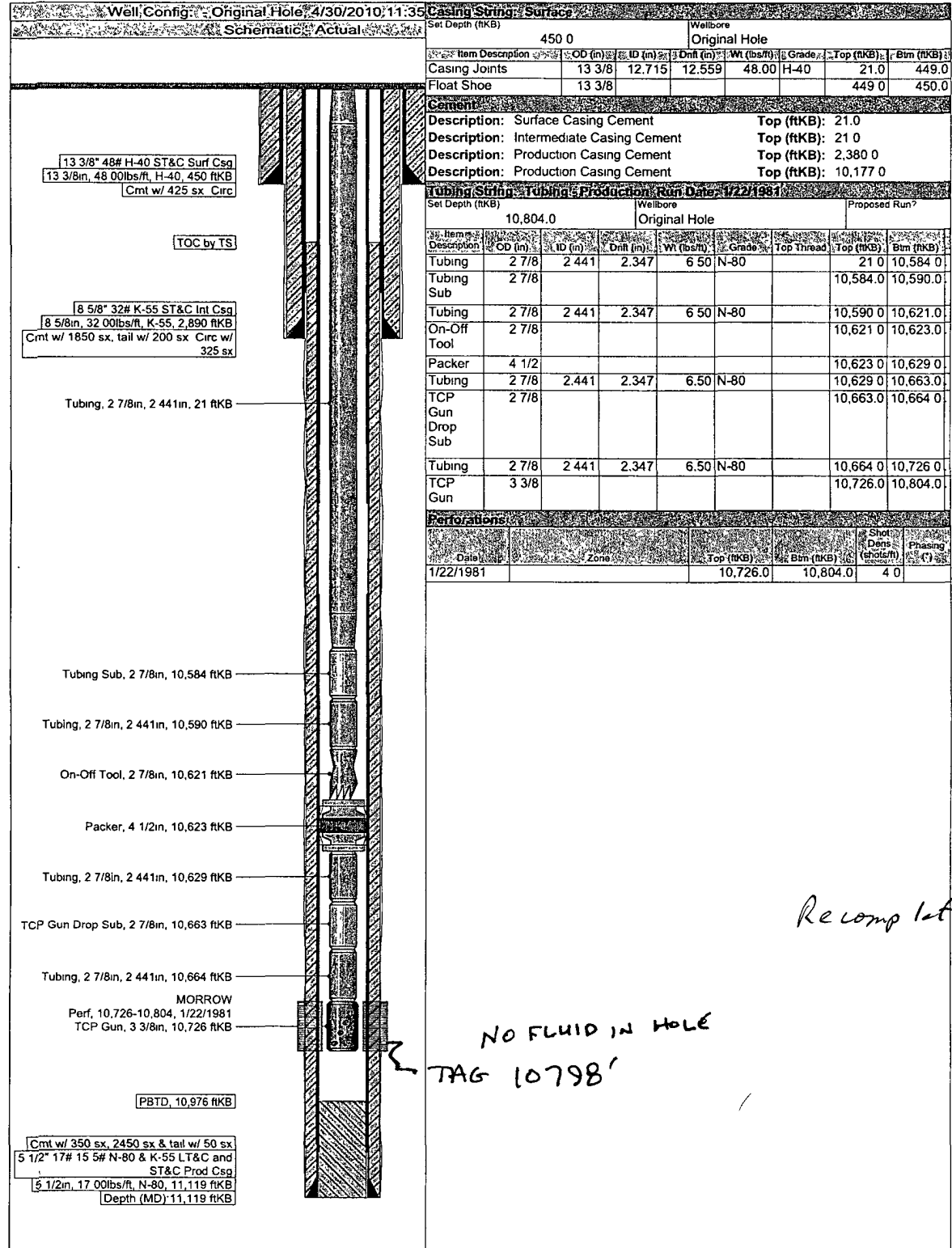


CURRENT WELLBORE SCHEMATIC

WELL: EMPIRE SDU 21 (3 RIVERS)
 FIELD:
 COUNTY / STATE: EDDY / NEW MEXICO
 LOCATION: 660.0 FEL & 660.0 FNL OF THE SVY, SEC 36, A-
 ELEVATION: 3,678.00 GR 3,699.00 RKB

PN: 890434 Chesapeake
 API: 3001523470
 SPUD DATE: 10/25/1980
 RIG RELEASE:
 FIRST SALES:

21



Well History	
Date	Event
1/22/1981	Spot acid and perforate Morrow (10,726 - 10,804). Produced 7.8 BCF and 45 MBBLs since March 1981.