June 5, 2003

To Whom It May Concern:

RECEIVED

JUN 30 2003

Oil Conservation Division

Re: WTYSRU Well #924 – West Teas Field
2560' FNL – 2210' FWL
Sec 9-T20S-R33E
Lea County, New Mexico

Chesapeake Energy, Inc. is making application to convert the #924, an oil well, to injection in an effort to further our recovery at the previously approved West Teas Yates Seven River Unit (Order # R-11375). Water will be injected into the Yates Sand interval per the attached schematic. There are no known oil or gas bearing zones relatively close to the unitized formations which could be affected by this proposed conversion. A copy of the application is enclosed which we anticipate will be administratively approved.

As one who may be affected by this application, we are notifying you of your right to participate in this process, including the right to provide evidence to the NMOGCD either in support or in opposition to the application. Interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days of receipt of this notice. If you desire more information, you may contact Andrew McCalmont at (405) 879-7852.

Very truly yours,

Andrew McCalmont
Asset Manager – Permian Basin
Chesapeake Energy, Inc.

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

FORM C-108
Revised 4-1-98

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: ✓ Secondary Recovery ____ Pressure Maintenance ____ Disposal ____ Storage
Application qualifies for administrative approval? ✓ Yes ____ No

II. OPERATOR: Chesapeake Energy Inc.

ADDRESS: PO Box 18496 Oklahoma City, Ok 73154 - 0496

CONTACT PARTY: Andrew McCalmont PHONE: 405-879-7852

III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? ✓ Yes ____ No
If yes, give the Division order number authorizing the project: R-11375

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).

*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Andrew McCalmont TITLE: Asset Manager

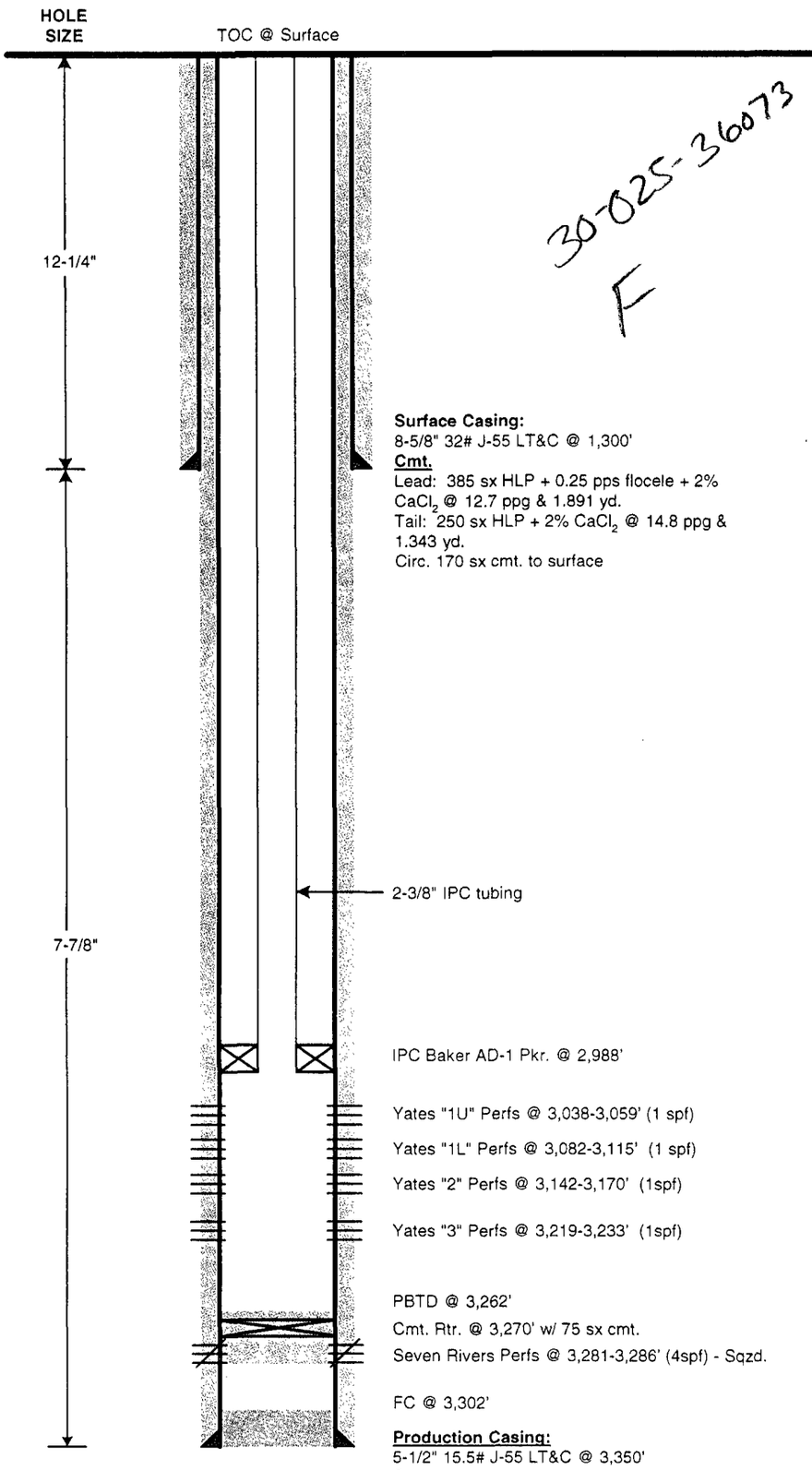
SIGNATURE: Andrew McCalmont DATE: 6/6/03

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: Case No. 12272, Order No. R-11375, 5/18/2000.

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

PROPOSED WELLBORE SCHEMATIC
CHESAPEAKE OPERATING INC

WELL : WTU #924
FIELD : WEST TEAS
COUNTY : LEA **STATE** : NM
LOCATION : 2,560' FNL & 2,210' FWL; SECTION 9-T20S-R33E
ELEVATION : GL 3,540' RKB 3,555'
API NO. : 30-025-36073
SERIAL NO. : NMNM 104724



30-025-36073
F

Surface Casing:
8-5/8" 32# J-55 LT&C @ 1,300'
Cmt.
Lead: 385 sx HLP + 0.25 pps flocele + 2% $CaCl_2$ @ 12.7 ppg & 1.891 yd.
Tail: 250 sx HLP + 2% $CaCl_2$ @ 14.8 ppg & 1.343 yd.
Circ. 170 sx cmt. to surface

IPC Baker AD-1 Pkr. @ 2,988'

Yates "1U" Perfs @ 3,038-3,059' (1 spf)

Yates "1L" Perfs @ 3,082-3,115' (1 spf)

Yates "2" Perfs @ 3,142-3,170' (1spf)

Yates "3" Perfs @ 3,219-3,233' (1spf)

PBTD @ 3,262'

Cmt. Rtr. @ 3,270' w/ 75 sx cmt.

Seven Rivers Perfs @ 3,281-3,286' (4spf) - Sqzd.

FC @ 3,302'

Production Casing:
5-1/2" 15.5# J-55 LT&C @ 3,350'
Cmt.
Lead: 410 sx HLP + 0.25 pps flocele + 2% $CaCl_2$ @ 12.4 ppg & 1.891 yd.
Tail: 245 sx 50:50 Poz + 2% $CaCl_2$ @ 14.2 ppg & 1.343 yd.
Circ. 13 bbls cmt. to surface

PREPARED BY: Ginni A. Kennedy **DATE:** 6/5/03

UPDATED BY: _____ **DATE:** _____

WTU 924 - C108 - Item VII

1. The average daily rate will approximate 500 BWPD, a maximum rate of 750 BWPD, total volume will approach 1 million bbls.
2. Per the unitization hearings and the original order, this system is closed.
3. Average pressure will approach 600 psi. Maximum authorized pressure is currently .2 psi per foot or approximately 600 psi.
4. Water is reinjected from unitized zones
5. NA.

WTU 924 - C108 - Item IX

The Yates is typically stimulated as follows:

1.	Tie onto casing. Establish rate and bull head 1000 gallons of 15% NeFe acid into the Yates '3'. Launch 14 balls throughout job. Note rates and pressures. Surge balls off perfs. Fracture the Yates '3' with 20,000 gal of gelled borate containing 40,000# of 20/40 sand per the attached treatment schedule. Maintain rates approaching 30 BPM, max pressure 4000 psi.
2.	Set a CIBP @ 3,200'. Run casing gun and perforate the Yates '2' 3,142 – 3,170' (28') w/ 1 SPF, 23 gram charge, 60 degree phasing.
3.	Tie onto casing. Establish rate and bull head 1000 gallons of 15% NeFe acid into the Yates '2'. Launch 28 balls throughout job. Note rates and pressures. Surge balls off perfs. Fracture the Yates '2' with 40,000 gal of gelled borate containing 75,000# of 20/40 sand per the attached treatment schedule. Maintain rates approaching 30 BPM, max pressure 4000 psi.
4.	Set a CIBP @ 3,130'. Run casing gun and perforate the Yates '1L' 3,082 – 3,115' (33') and Yates '1U' 3,038 – 3,159' (21') w/ 1 SPF, 23 gram charge, 60 degree phasing.
5.	Tie onto casing. Establish rate and bull head 1000 gallons of 15% NeFe acid into Yates '1'. Launch 54 balls throughout job. Note rates and pressures. Surge balls off perfs. Fracture the Yates '1' with 40,000 gal of gelled borate containing 75,000# of 20/40 sand per the attached treatment schedule. Maintain rates approaching 30 BPM, max pressure 4000 psi.

Item XII

Chesapeake
Natural Gas.
Natural Advantages.

Geology Department

May 6, 2003

To: Andrew McCalmont
Assett Manager
Chesapeake Energy Corporation.

Having reviewed all pertinent geologic data within 2 miles of the West Teas Yates - Seven Rivers Unit, it is my opinion that there is no evidence of open faults or any hydrologic connection between the Yates-Seven Rivers Reservoirs and any known underground sources of drinking water.

Sincerely,

Doug Bellis

Doug Bellis
Geologist
Chesapeake Energy Corporation

Item XIII

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, KATHI BEARDEN

Publisher

of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

of 6

weeks.

Beginning with the issue dated

May 16 2003

and ending with the issue dated

May 22 2003

Kathi Bearden

Publisher

Sworn and subscribed to before me this 22nd day of May 2003

Jodi Henson

Notary Public.

My Commission expires
October 18, 2004
(Seal)

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

LEGAL NOTICE
May 16, 17, 18, 20, 21, 22, 2003

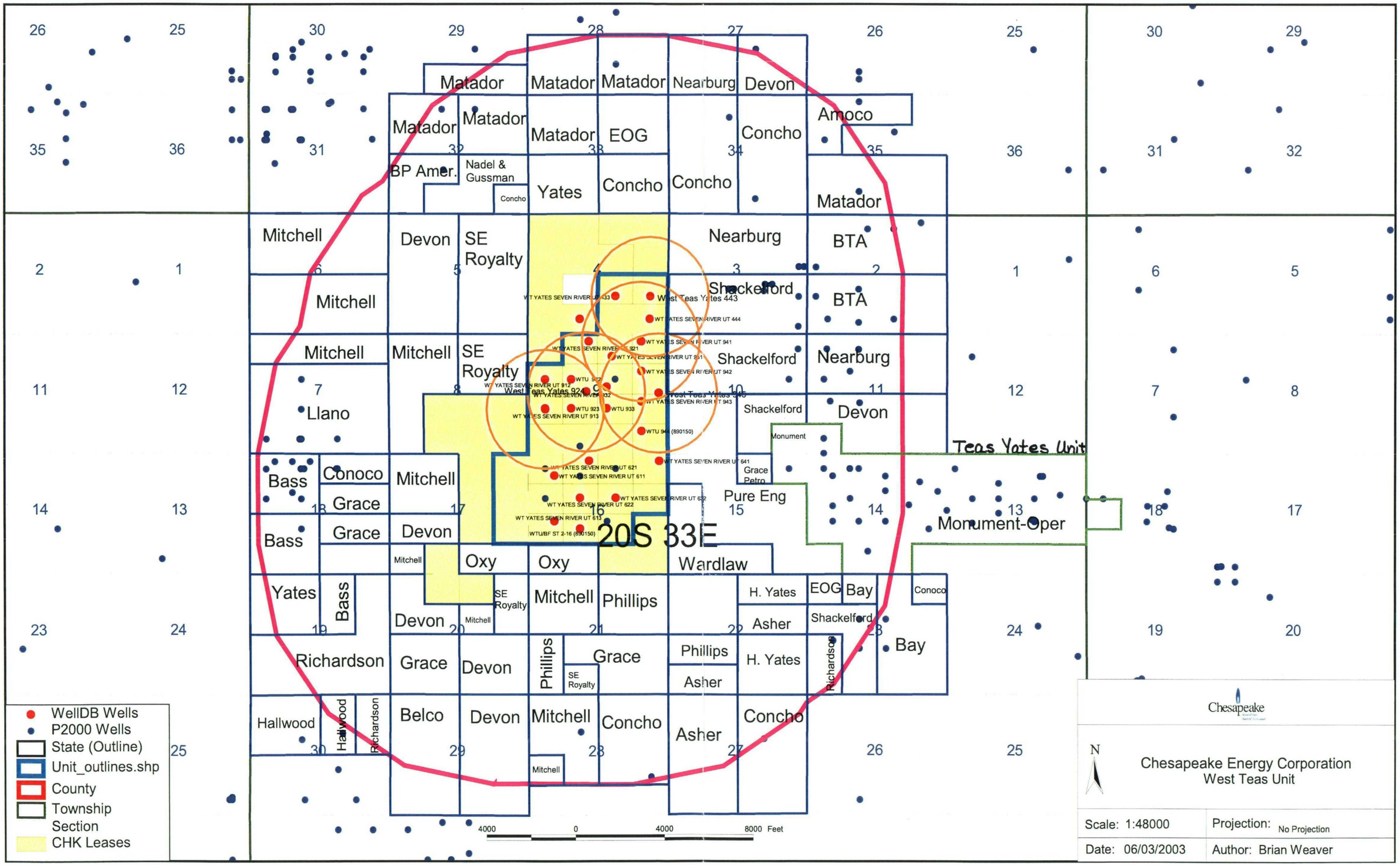
PROPOSED INJECTION WELLS

Chesapeake Operating, Inc. proposes the conversion of the following described wells to water injection service for the existing waterflood Order No. R-11375; West Teas (Yates Seven Rivers) Unit 913, 1980' FSL & 660' FWL, Section 9-20S-33E, West Teas (Yates Seven Rivers) Unit 941, 330' FNL & 990' FEL, Section 9-20S-33E, West Teas (Yates Seven Rivers Unit 443, 1650' FSL & 660' FEL, Section 4-20S-33E, West Teas (Yates Seven Rivers Unit 924, 2560' FNL & 2210' FWL, Section 9-20S-33E, West Teas (Yates Seven Rivers 9452612' FNL & 330' FEL. All wells are located in Lea County, New Mexico. The zones to be injected into are the Yates Sand from 3000' to 3300' with a maximum injection rate of 600 BWPD/well at a maximum pressure of 600 psi. Any interested parties with objection or request for hearing should notify the Oil Conservation Divsion at P.O. Box 2088, Santa Fe, New Mexico 87501 within 15 days of this notice. Any questions should be directed to Andrew McCalmont, Agent for Chesapeake Operating, Inc., at P.O. Box 18496, Oklahoma City, OK 73118, telephone number 405-848-8000, ext. 7852.
#19820

01104307000 02563986

Chesapeake Operating, Inc.
P.O. Box 18496
Oklahoma City, OK 73154-0496

Item V.


Matador
Matador
Matador
Nearburg
Devon
Matador
Matador
Matador
EOG
Concho
Amoco
BP Amer.
Nadel & Gussman
Concho
Yates
Concho
Concho
Matador
Mitchell
Devon
SE Royalty
Nearburg
BTA
Mitchell
Shackelford
BTA
Mitchell
Mitchell
SE Royalty
Shackelford
Nearburg
Llano
Shackelford
Devon
Monument
Teas Yates Unit
Bass
Conoco
Mitchell
Grace
Grace
Devon
Pure Eng
Monument-Oper
20S 33E
Bass
Mitchell
Oxy
Oxy
Wardlaw
Yates
Bass
SE Royalty
Mitchell
Phillips
H. Yates
EOG
Bay
Conoco
Devon
Mitchell
Asher
Shackelford
Richardson
Grace
Devon
Phillips
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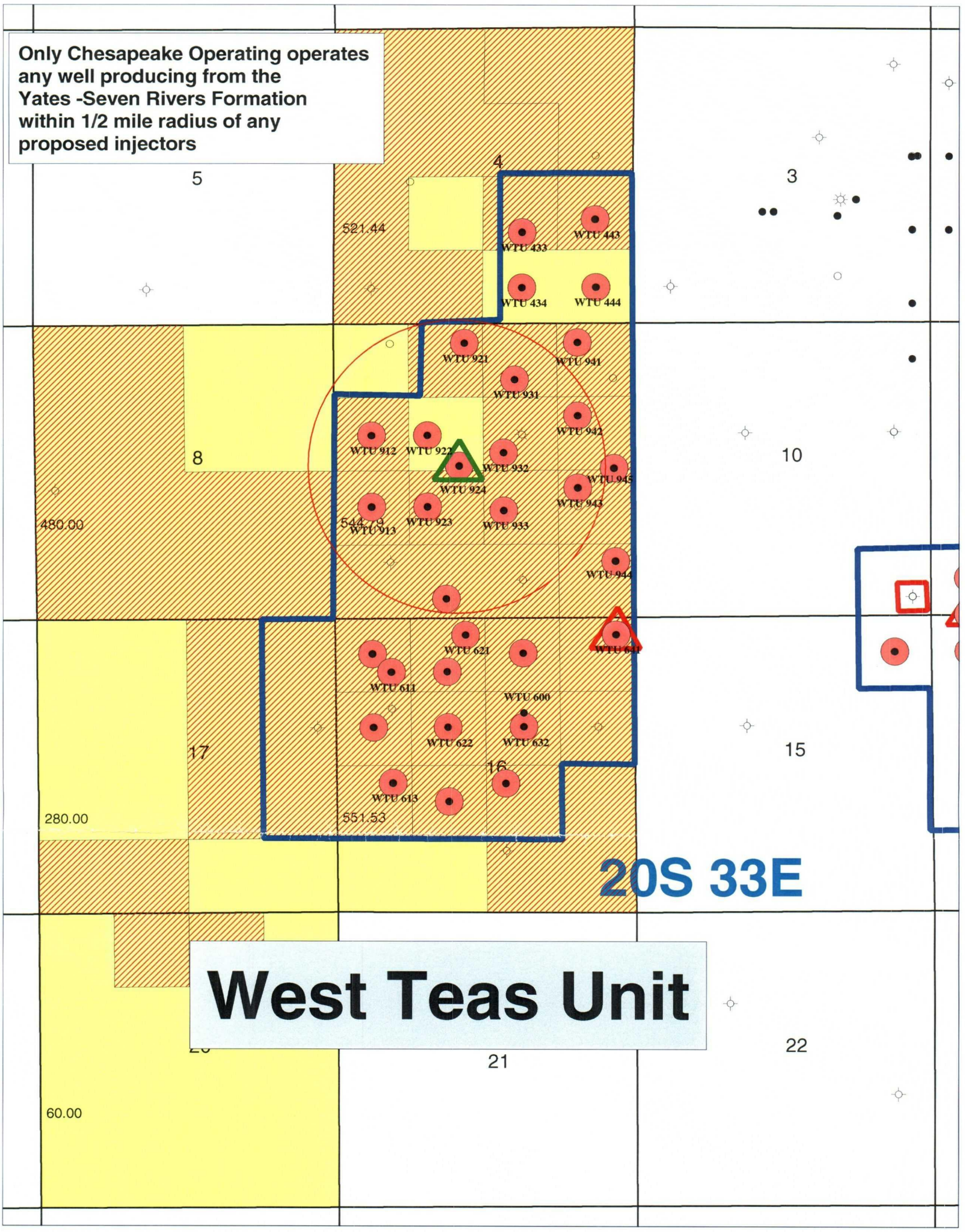
SE Royalty
Phillips
Asher
H. Yates
Richardson
Bay
Hallwood
Hallwood
Richardson
Belco
Devon
Mitchell
Concho
Asher
Concho
Mitchell
WellDB Wells
P2000 Wells
State (Outline)
Unit_outlines.shp
County
Township
Section
CHK Leases
4000
0
4000
8000 Feet
Chesapeake
N
Chesapeake Energy Corporation
West Teas Unit
Scale: 1:48000
Projection: No Projection
Date: 06/03/2003
Author: Brian Weaver

Item V


Only Chesapeake Operating operates any well producing from the Yates -Seven Rivers Formation within 1/2 mile radius of any proposed injectors
5
4
3
521.44
WTU 433
WTU 443
WTU 434
WTU 444
WTU 921
WTU 941
WTU 931
WTU 942
WTU 912
WTU 922
WTU 932
WTU 945
WTU 924
WTU 943
8
480.00
544.79
WTU 913
WTU 923
WTU 933
10
WTU 944
WTU 621
WTU 641
WTU 611
WTU 600
WTU 622
WTU 632
17
16
15
WTU 613
280.00
551.53
20S 33E
West Teas Unit
21
22
60.00
YATES/SEVEN RIVERS PRODUCERS
WATER FLOOD UNITS
YATES INJECTORS
PLANNED YATES INJECTORS
COI ACREAGE
COI TRACT OWNERSHIP
Chesapeake
Natural Gas. Natural Advantages.
CHESAPEAKE OPERATING, INC.
WEST TEAS YATES SEVEN RIVERS
WATERFLOOD UNIT 924
½ MILE RADIUS OF PROPOSED INJECTOR
Lea County, New Mexico
Date: 2 June, 2003
Scale: 1" = 2000'
Geol/Eng: DB / BL / AM

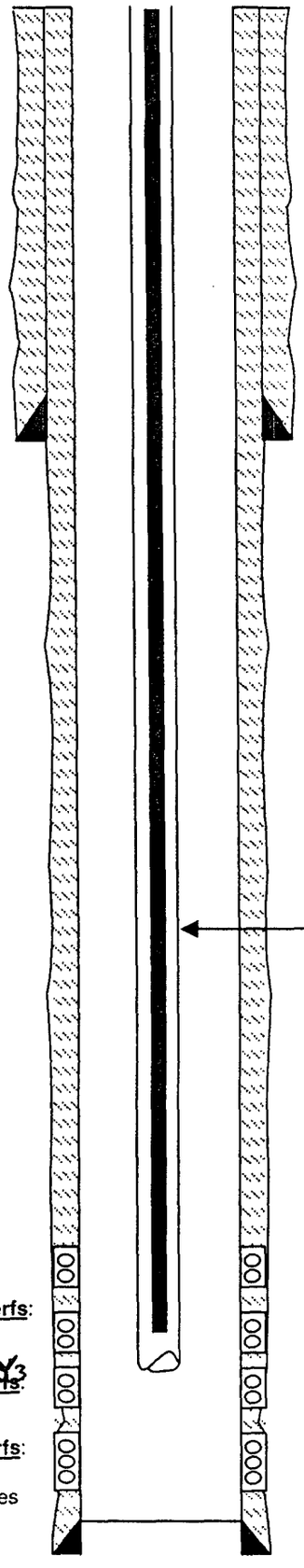
WTU 924 - C108 - Item VI
Wellbore Schematic/Data Tabulation

	Well Name	Prior Name	Location	Status
1	WTU 931	Federal 9 #2	9B-20S-33E	Producing
2	WTU 921	Federal 9 #3	9C-20S-33E	WIW
3	WTU 912	Barber Federal #2	9E-20S-33E	WIW
4	WTU 922	Barber Federal #1	9F-20S-33E	Producing
5	WTU 932	Federal 9 #1	9G-20S-33E	Producing
6	Anasazi 9 Federal	NA	9G-20S-33E	Producing
7	WTU 942	Federal 9 #6	9H-20S-33E	Producing
8	WTU 943	Federal 9 #7	9I-20S-33E	Producing
9	WTU 933	Grover Fed #3	9J-20S-33E	Producing
10	WTU 923	Grover Fed #1	9K-20S-33E	Producing
11	WTU 913	Grover Fed #2	9L-20S-33E	SI
12	Federa #4	NA	9M-20S-33E	P&A
13	Lea 6015 Federal #2	NA	9N-20S-33E	P&A
14	Lea 6015 Federal #1	NA	9O-20S-33E	P&A

RT.4

Falcon Creek Resources, Inc.

WTU #931
(Federal "9" #2)
West Teas Field
"B" Section 9, T20S, R33E
Lea County, New Mexico
GL: 3,550'; KB: 3,559'



12-1/4" Hole
1,300' - 8-5/8", 23#, J-55 Casing,
cmt to surface w/ 640 sx "C"

2-3/8" Tubing (~3200')
Rods in hole:
126 3/4" Rods
1.25" Insert Pump

Yates Y1 Perfs:
)62' - 3,073'

Yates Y1 & Y2 Perfs:
3,108' - 3,190'
26 holes

~~**Seven Rivers Perfs:**~~ Y3
3,234' - 3,250'

Seven Rivers Perfs:
3,297' - 3,308'
w/4 JSPF - 44 holes

7-7/8" Hole
3,311' - 5-1/2", 17#, J-55 Casing, cmt w/475 sx Class "C"
Circulate 8 sx to surface

Initial Completion
Spud well 10-7-92
Perf Yates Lower Y1& Y2 Zone
@ 3108'-3190' (26 Holes)
Acidize w/ 1250 gals 7.5% acid
IPP: 89 BOPD, 29 MCFD, 10 BWPD

5/94
Perf Yates Y3 @ 3234'-3250' (32 Holes)
Acidize w/ 15% NeFe

6/94
Perf Zone Upper Y1 from 3062'-3073'
(11 holes)
Frac Y2 w/20,000 gal Xlink gel
& 50,000# 20/40 sd
Frac U & L Y1 w/ 20,000 gal Xlink gel &
45,000# 20/40 sd
IP: 79 BOPD

10/95
Perf Seven Rivers 3302'-3308'
Perf Seven Rivers 3297'-3303'
Acidize w/ 750 gals gelled acid

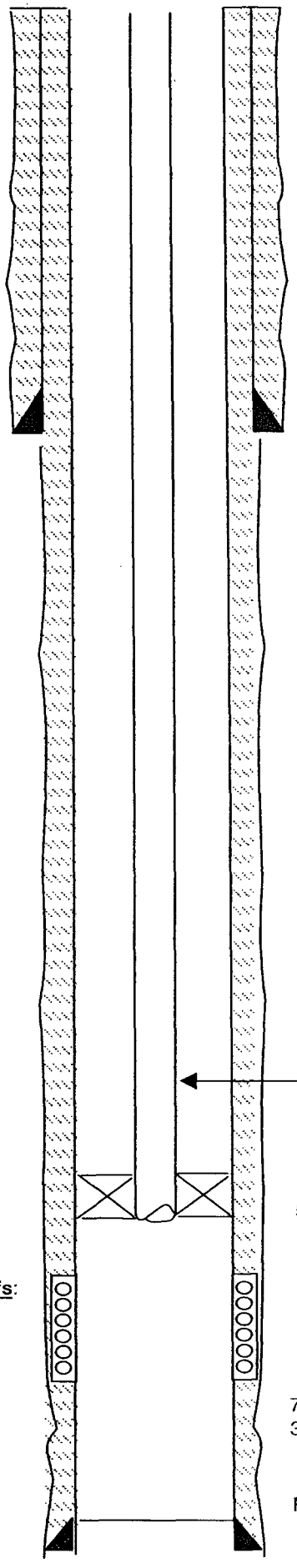
9/97
Acidize w/ 1000 gals 15% Acid
Dump job down csg flush w/ 100 BW

Note: U Y1 not broken after perf
& prior to frac
Note: Y3 never fraced

Cmt information is estimated by calculations.

Chesapeake Operating, Inc.

WTU #921
Injection Well
(Federal "9" #3)
West Teas Field
"C" Section 9, T20S, R33E
Lea County, New Mexico
GL: 3,557'; KB: 3,559'



12-1/4" Hole
1,300' - 8-5/8", 24#, J-55
Casing, cmt to surface w/
540 sx "C"

100 Jts. 2-3/8" Poly core lined Tbg.

5-1/2" Injection Pkr. @ 3,117'

Yates Zone 1 Perfs:
3,161' - 3,252'

7-7/8" Hole
3,320' - 5-1/2", 15.5#, J-55 Casing, cmt w/580 sx Class "C"
Circulate 17 sx to surface

PBTD @ 3300'

Initial Completion
Spud well 5-28-93
Perf Yates Zone 1
@ 3161'-3252' (22 Holes)
Acidize w/2000 gals 20% HCl
Frac w/ 40,000 gal gel &
87,000# 20/40 sd
IPP: 86 BOPD, 35 MCFD, 22 BWPD

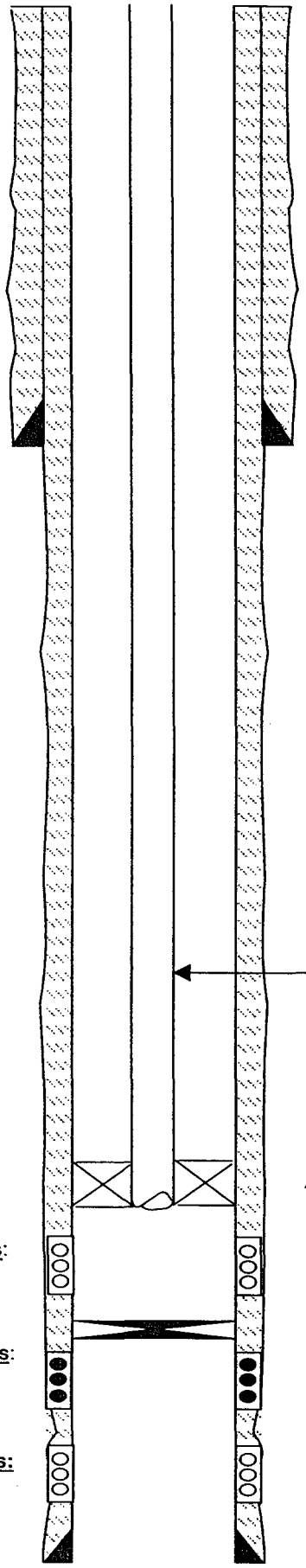
Workovers

5/03 Convert to WIW
LD rods & pump, NU BOP, tag @ 3234' strap OOH. Change out wellhead, RU bit & foam unit and CO well to 3,239', drill on junk for 2 hrs. POOH & RIH w/ 4-3/4" shoe and CO to 3,290', circ. clean. RIH w/ 5-1/2" Inj. Pkr. & tbg, Hydro testing to 5000 psi above slips,. Set pkr. @ 3,117', run state MIT @ 360 psi. RDMO. RU acid truck, pump 24 bbls 15% NeFe acid & 60 BW @ 0 psi. SIW, WO Injection.

Cement Information is from State Reports

Chesapeake Operating, Inc.

WTU #912
Injection Well
(Barber Federal #2)
West Teas Field
"E" Section 9, T20S, R33E
Lea County, New Mexico
GL: 3,555'; KB; 3,565'



Yates Y1 Perfs:
3,138' - 3,219'

Sqzd Yates 2 Perfs:
3,260' - 3,268'
3,278' - 1 shot

Proposed Y3 Perfs:
3,296' - 3,304'
3,310' - 3,320'
3,336' - 3,352'

Initial Completion
Spud well 8-24-87
Perf 3278' 1 Shot
Perf 3260'-3268'
Acidize w/ 750 gals 15% NeFe
Set cement retainer @ 3250'
Sqz w/ 50 sx
Perf Y1 3138'-3222'
Acidize w/ 1000 gal 15% NeFe

Includes carbonate between Y1 & Y2
3135'-3222' Y1 w/ carbonate below

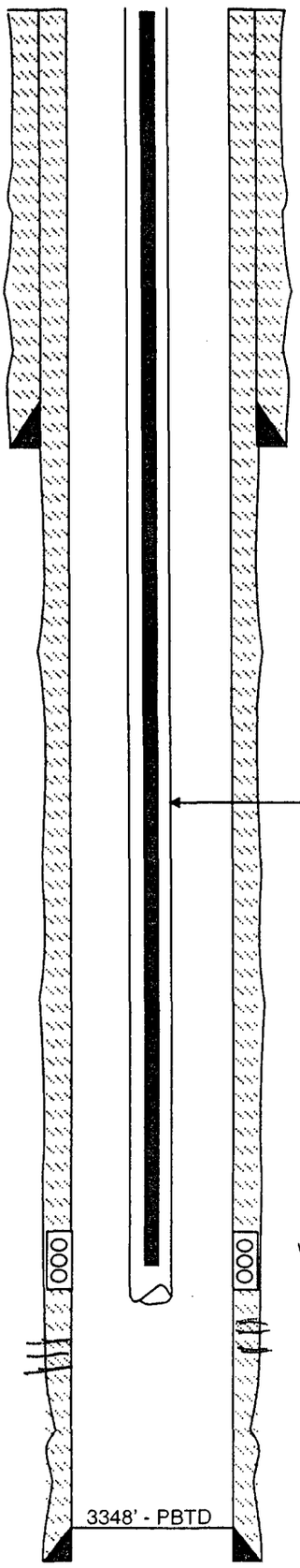
5/6/06 - 5/8/03:
Convert to WIW
POOH w/ pump, rods & tbg. Test tbg. OOH burst 4 jts. RIH w/ 3-7/8" bit. RU foam unit; tag fill @ 3,203'. CO to PBTD 3250', circ. 3 hrs. RD foam unit & POOH. RIH w/ 4-1/2" pkr., hydro test tbg. To 1000 psi. Set pkr. @ 3,118'; SIW. RU pump truck, pump 24 bbls 15% Ne-Fe acid, flush w/ 50 BPW @ 2 BPM, max 1800 psi. ISP 1300 psi, leave well SI, WO Injection.

All cement information was from
State Sundry Notices

R.T. 4

Falcon Creek Resources, Inc.

WTU #922
(Barber Federal #1)
West Teas Field
"F" Section 9, T20S, R33E
Lea County, New Mexico
GL: 3,545'; KB: 3,556'



12-1/4" Hole
1,261' - 8-5/8" Casing,
cmt to surface w/650 sx

2-3/8" Tubing
124 5/8" Rods
2" x 1-1/2" x 12' Pump

Yates Perfs:
3,092' - 3,147'

3348' - PBTD

Hole Size: 7-7/8"
3,400' - 4-1/2" Casing, cmt w/900 sx Class
cmt to surface, and circ 73 sx

Initial Completion
Spud well 4-29-87
Perf Yates Y1 from 3092',3095', 3099, 3102', 3104', 3106', 3141',3142, 3146' & 3147' w/ 2 JSPF
Acidize w/ 1000 gals 15% NeFe
IPP: 30 BOPD

7/87
Frac w/ 405 BW, 72 tons of CO2 and 70,000# 20/40 sd
IPP: 115 BO, 40 BW, 0 MCF

All cement information is from State Sundry Notices

10/9/02 : Perf 3251,53,71,75
3201,02,05,17,19 2SPF
Ac w/ 2000 gal

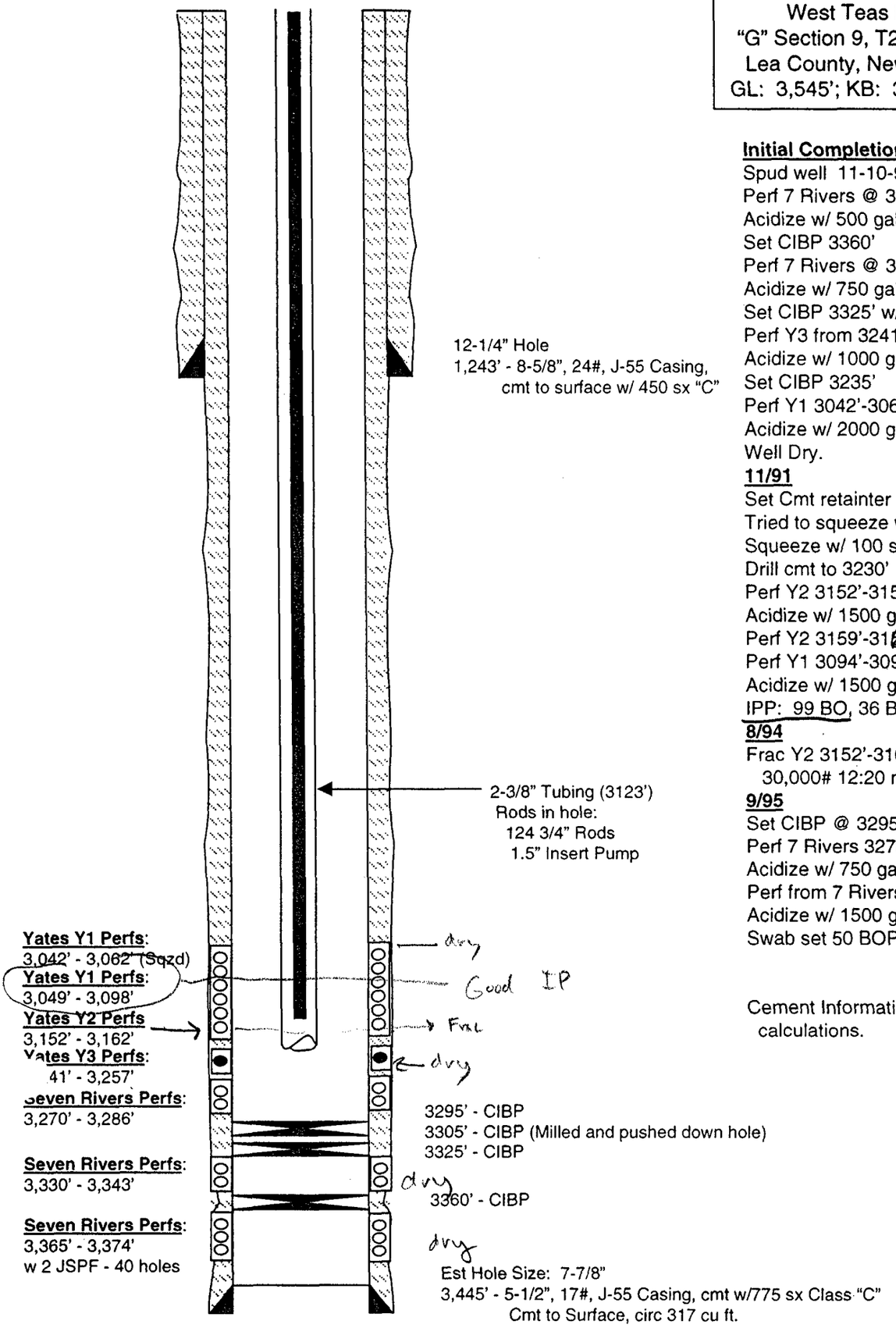
Y1 3092 - 3108'
3136 - 3147'

3251,53,71,75 ; 3201,02,05,17,19 2SPF

RT. 4

Falcon Creek Resources, Inc.

WTU #932
(Federal "9" #1)
West Teas Field
"G" Section 9, T20S, R33E
Lea County, New Mexico
GL: 3,545'; KB: 3,556' (11')



Initial Completion
Spud well 11-10-90
Perf 7 Rivers @ 3365'-3367' & 3369-3374'
Acidize w/ 500 gals 15% NeFe
Set CIBP 3360'
Perf 7 Rivers @ 3330'-3343'
Acidize w/ 750 gals 15% NeFe
Set CIBP 3325' w/ 2 sx cmt
Perf Y3 from 3241-3257' (4 holes)
Acidize w/ 1000 gals 15% NeFe acid
Set CIBP 3235'
Perf Y1 3042'-3062' (18 holes)
Acidize w/ 2000 gals 15% NeFe acid
Well Dry.

11/91
Set Cmt retainter @ 2904'
Tried to squeeze w/ 100 sxs "C", displaced
Squeeze w/ 100 sx "C" to 2500#
Drill cmt to 3230'
Perf Y2 3152'-3157' (20 holes)
Acidize w/ 1500 gals NeFe
Perf Y2 3159'-3162'
Perf Y1 3094'-3098', 3049'-3054'
Acidize w/ 1500 gals Methanol
IPP: 99 BO, 36 BW, 98 MCF

8/94
Frac Y2 3152'-3162- w/ 11,800 gal Amfrac w
30,000# 12:20 mesh sand

9/95
Set CIBP @ 3295'
Perf 7 Rivers 3278'-3286' (25 holes)
Acidize w/ 750 gal 20% NeFe gelled acid
Perf from 7 Rivers 3270'-3276'
Acidize w/ 1500 gals 20% gel acid.
Swab set 50 BOPD, 30 BWPD

Cement Information is estimated by calculations.

WELLBORE SCHEMATIC

WELL : **ANASAZI 9 FEDERAL #1 (MITCHELL ENERGY CORP.)**

FIELD : **WILDCAT**

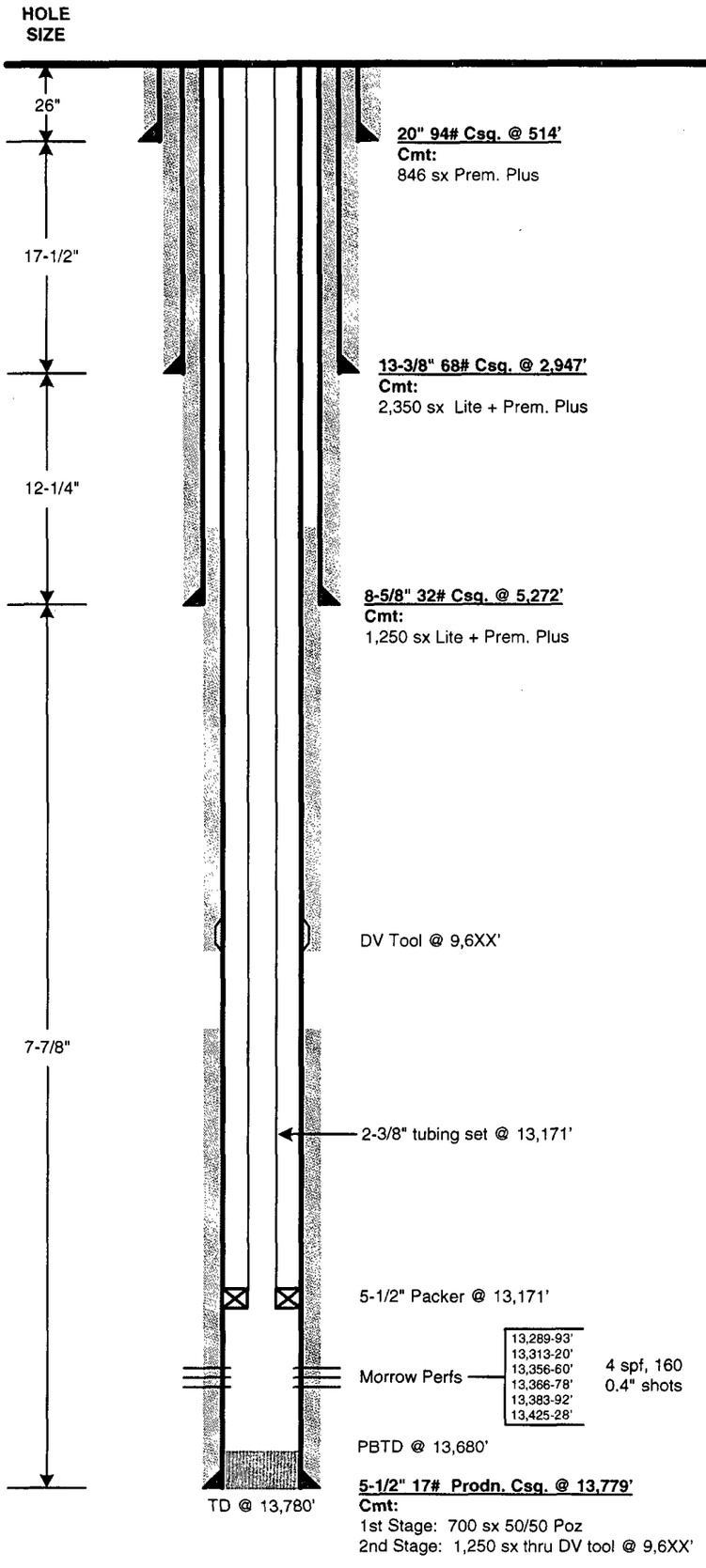
LOCATION : **1,980' FNL & 1,980' FEL, UNIT G, SEC. 9-T20S-R33E**

COUNTY : **LEA** **STATE : NM**

SERIAL NO. : NM 57280

ELEVATION : GL - 3,546'

SPUD DATE: 5/13/92
TD DATE: 6/29/92
COMPL. DATE: 7/16/92



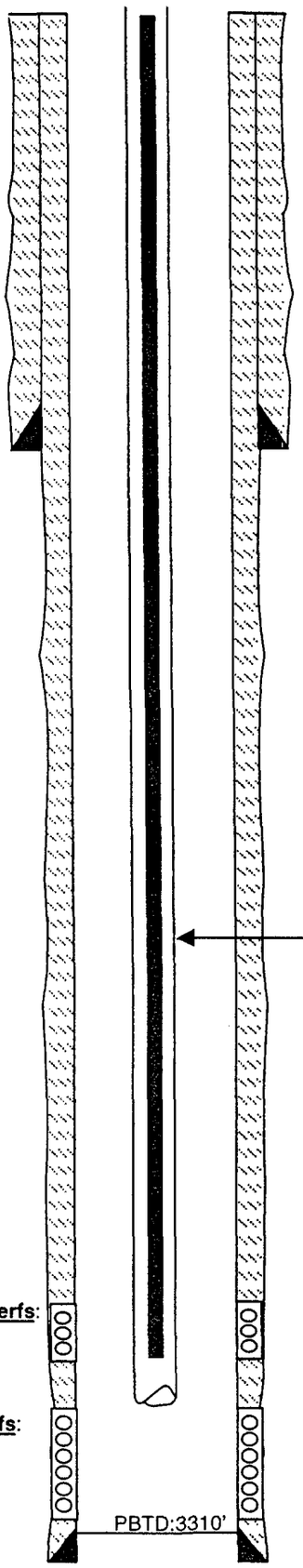
PREPARED BY: Ginni A. Kennedy **DATE:** 6/5/03

UPDATED BY: _____ **DATE:** _____

KT. 4

Falcon Creek Resources, Inc.

WTU #942
(Federal "9" #6)
West Teas Field
"H" Section 9, T20S, R33E
Lea County, New Mexico
GL: 3,551'; KB: 3,562'



Initial Completion
Spud well 5-16-94
Perf Seven Rivers @ 3285'-3288' 4 JSPF
Acidize w/1000 gals 15% NeFe
Perf Seven Rivers from 3288'-3300' 1 JSPF
Acidize w/1000 gals 15% NeFe and ?,
Set CIBP @ 3270'
Perf Yates Y1 & Y2 3060'-3176' 2 JSPF
Acidize w/2500 gals 15% NeFe
Frac w/ 42,000 gal xlink gel &
133,000# of 12/20 sd.
IPP: 97 BO, 14 BW, 1 MCF

4/95
CO ~125' sd and drill CIBP, push to PBTD
(added 7R 3285-88' to prod.)

10/96
Tag fill @ 3287, CO to 3310'

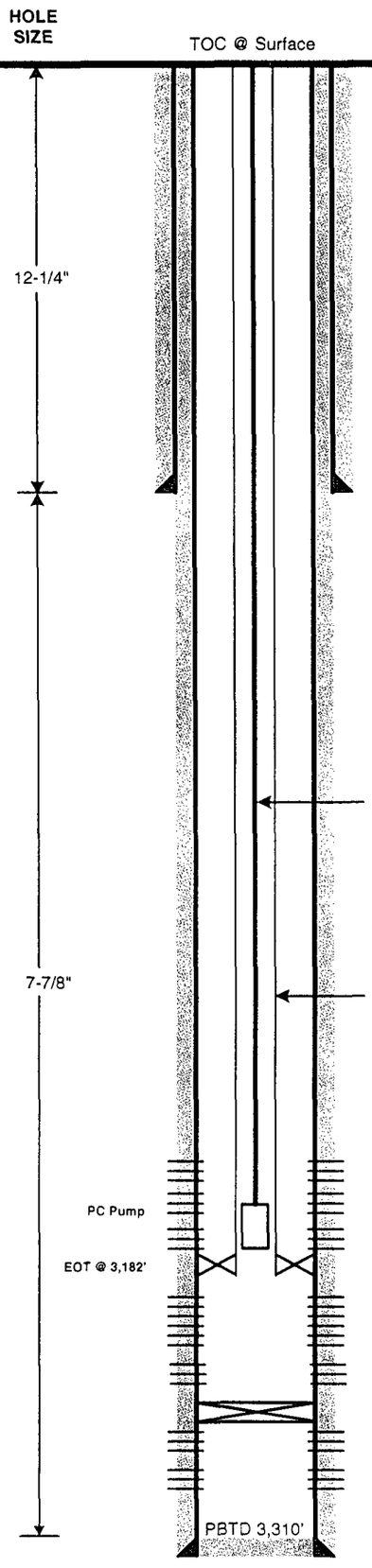
Cement Information is from State Reports

Note: History of 7R frac sd. prod.
May need another clean out

Update: 6/29/00

CURRENT WELLBORE SCHEMATIC
CHESAPEAKE OPERATING INC

WELL : WTU #943 (FORMER FEDERAL "9" #7)
FIELD : WEST TEAS
COUNTY : LEA **STATE** : NM
LOCATION :"I" SECTION 9-T20S-R33E
ELEVATION : GL 3,548' KB 3,559'
API NO. : 30-025-



Surface Casing:
8-5/8" 24# J-55 @ 1,310'
Cmtd. to surface w/ 800 sx Cl. C

Pump & Rod String:
16' PR
1 - 1" rod
1' x 1" sub
2 - 4' x 1" subs
6' x 1" sub
8' x 1" sub
122 - 1" rods
Rotor - 30.5'

Tubing String:
100Jts. 2-7/8" tbg.
8' x 3-1/2" sub
29' Stator
2' x 3-1/2" sub
2-7/8" x 31' MJ
2-7/8" x 5-1/2" TAC
EOT @ 3,182'

Yates 1 Perfs @ 3,051-3,062' (4 JSPF)
Yates 1 Perfs @ 3,090-3,114' (4 JSPF)
Yates 2 Perfs @ 3,147-3,166' (4 JSPF)
Yates 3 Perfs @ 3,214-3,228' (4 JSPF)
Yates 3Perfs @ 3,236-3,250' (4 JSPF)
Upper Seven Rivers Perfs @ 3,270-77' (2 JSPF)
CIBP @ 3,284'
Seven Rivers Perfs @ 3,290-3,296' (4 JSPF)
Seven Rivers Perfs @ 3,310-3,312' (4 JSPF)

Production Casing:
5-1/2" 15.5# K-55 @ 3,358'
Cmtd. w/ 635 sx Cl. C (circ. 10 sx to surface)

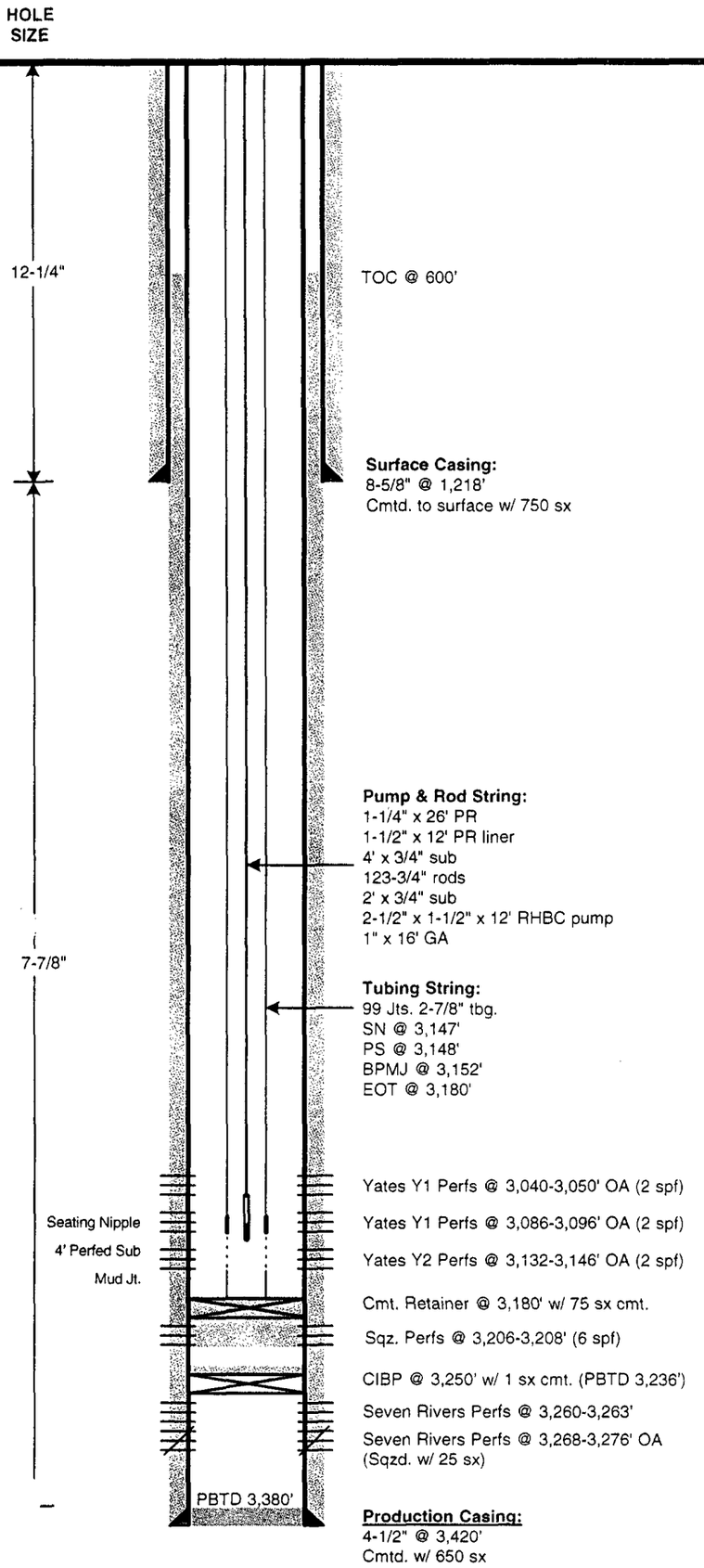
Well History:

8-28-95: Spud well
Initial Completion:
Perf Seven Rivers @ 3290-3296' 4 JSPF
Acidize w/500 gals 20% NeFe
Perf Seven Rivers from 3310-3312' 4 JSPF
Set Cmt Retainer @ 3304'
Squeeze 3290-3296' w/ 100 sxs "C"
RePerf 3290'-3296'
Acidize w/750 gals 20% gelled acid
Set CIBP @ 3284'
Perf Upper Seven Rivers 3270-3277'
Acidize w/750 gals gelled acid
IPP: 92 BO, 210 BW, 3 MCF
3/8/00: Ran PC pump to increase lift capacity
5/30/00: Perf Y-3@ 3214-3228' & 3236-3250', Y-2 @ 3147-3166', Y-1 @ 3051-3062' & 3090-3114'. Acidize Y-3, 3214-3250' w/ 11 bbls acid + 5 bbls KCL. Broke @ 3500 psi, ISIP 2055 psi, 5 min. 1860 psi, 15 min. 1602 psi. Acidize Y-2 @ 3147-3166' w/ 11 bbls acid + 5 bbls KCL. Broke @ 4000 psi, ISIP 1483 psi, 5 min. 1227 psi, 15 min 796 psi. Acidize Y-1 3051-3114' w/ 11 bbls acid + 6 bbls KCL, Brok e @ 2900 psi, ISIP 1700 psi, 5 min. 1593 psi, 15 min. 1520 psi. Ran cased hole DST's on Y-1, Y-2, & Y-3 intervals.
3/3-14/03: **WO to Frac Yates 1 & 2:** RIH w/ bit & csg. scraper to 3,258'. Set CIBP @ 3,195'. Test csg. to 4000 psi. RU Frac valve. Pump 1500 bbls. acid & 200 BS @ 1614 psi AIP, 1810 psi MIP. No ball action. ISP 1456 psi, 5 min 1144 psi, 10 min 1131 psi. Frac w/ 34,000 gal. X-L gel & 17,000# 16/30 sd. ISP 2121 psi, 5 min 1952 psi, 10 min 1885 psi. SWION. 1100 psi on csg. RIH & Tag sd. @ 3,118'. CO to 3195' w/ foam unit. RU swab, FL @ 1200' FS, trace oil. Swab to 2300' FS, 40 psi on csg, GSOG, 10% oil cut. RIH w/ bit and DO CIBP @ 3195' & CO to 3284'. RIH w/ TAC, tbg., rods & PC pump. Start unit, pumped up in 7 min. RDMO PU.
4/4/03: Rod part. RU & pull 78-1" rods. Pin stripped out. GIH & catch fish. Rpl. rod, GIH w/ 78-1" rods. Press. up to 500 psi; RDMO.
4/5/03: Rig back up; PR clam slipped. Put new clamp on--well pumping good. RDMO.

PREPARED BY: Ginni A. Kennedy **DATE:** 3/19/03
UPDATED BY: Ginni A. Kennedy **DATE:** 4/25/03

CURRENT WELLBORE SCHEMATIC
CHESAPEAKE OPERATING INC

WELL : WTU #933 (FORMER GROVER FEDERAL #3)
FIELD : WEST TEAS
COUNTY : LEA **STATE** : NM
LOCATION :"J" SECTION 9-T20S-R33E
ELEVATION : GL 3,541' KB 3,549'
API NO. : 30-025-



Well History

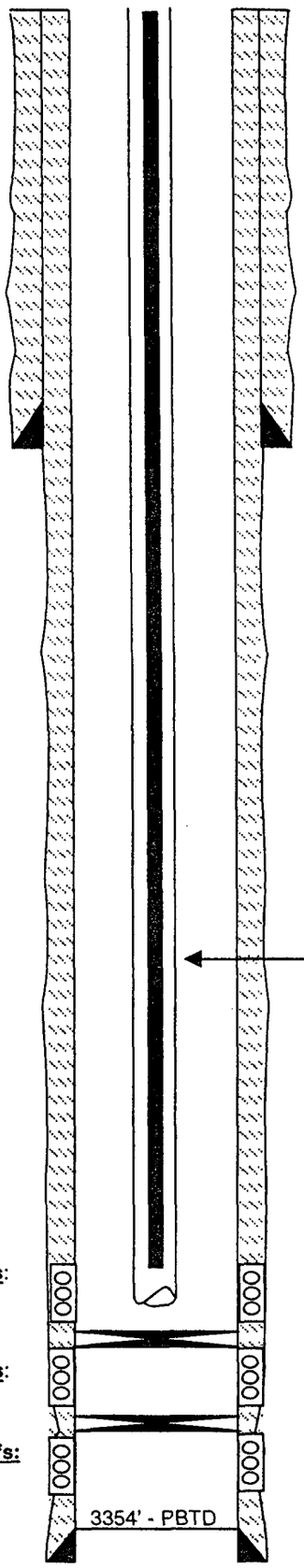
2-26-88: Spud well
Initial Completion:
Perf Yates Y1 from 3022', 3024', 3034', 3036', 3040', 3043', 3045', 3050', 3086', 3088', 3092', 3094', & 3100' w/ 2 JSPF
Acidize w/ 500 gals of 15% NeFe
Frac w/ 375 BW, 75 tons CO2, & 42,000# of 20/40 sd and 30,800# 12/20
IPP: 85 BOPD; 5 BWPD
9/97: Perf 7 Rivers from 3,268'-3276'. Acidize w/ 750 gal of 15% Ferchek
11/97: Set CICR @ 3240', Sqz 7 Rivers w/ 25 sx "C", Sqz Yates from 3022'-3100' w/ 250 sx "C". Perf 7 Rivers from 3260'-3263' w/ 3 JSPF. Acidize w/ 650 gal 15% NeFe
IPP: 115 BW, 1 BO,
10/98: Set CIBP @ 3250' w/ 20 sx on top.Perf Y2 from 3132'-3142' w/ 2 JSPF. Acidize w/ 500 gal of 15% NeFe.
IPP: 2 BO, 2 BW, 0 MCF
2/25/02: SFL 1683' from surf.
11/2/02: Frac Yates "2". POOH w/ tubulars. Ran bit & scraper. Ran pkr. to 3124'. Started acidizing. Communicated to squeezed Yates "1" perfs. Set pkr. @ 2975'. Tested backside to 1000 psi--OK. Frac w/ 22,766 gal. 60,000# 12/20 sd. ISIP 2190#. Clean out sand to PBTD 3250'. PWOP.
Testing 0 BO, 115 BW
12/11/02: Spot 1 sx cmt. on CIBP @ 3250'. PWOP. All water.
3/6/03: Pull pump, rods, & tbg. RU BOP, GIH w/ 4-1/2" scraper to 3236' PBTD.
3/7/03: Shoot sqz. perfs from 3206-08'. Set Cmt. Retainer @ 3180'. Pump 75 sx 50/50 Pozmix w/ 2% $CaCl_2$. Would not pressure up.
3/8/03: Sting into retainer. Pump 16 bbls. cmt. into sqz. perfs.
3/10/03: GIH w/ bit; tag cmt. @ 3,112'. Drill out cmt. to 3,180'. RU to swab, tag fluid @ 200' FS. Swab down to 2700' FS, total 31 bbls.
3/11/03: RIH w/ swab; FL @ 1200' FS, trace oil. Swab down to SN, swabbed dry after 11 runs. Making 1 hr. runs, 200' fluid entry. RD swab, POOH w/ tbg. SWI.
3/12/03: TIH w/ perf guns. Re-perf Yates 2 @ 3132-46' w/ 2 spf. Re-perf Yates 1 @ 3086-90' & 3040-50' w/ 2 spf. TIH w/ tbg., NU WH. Pumped 10 bbls. fsw dwn tbg, drop SV. Press. tbg up to 300 psi, pumped 500 gal. 15% NeFe down csg. @ 350 psi, 2 bpm. Acid bubbling from around surface pipe. Dug down to surface valves, 2" nipple w/ hole. Replaced nipple and valve, repaired pinhole in 4-1/2" csg. @ welded bell nipple. Could not pump down surface pipe. Pumped 50 bbl fsw dwn 4-1/2" @ 1 bbl/hr. & 500 psi. Did not circ to surface pipe. SISD.
3/13/03: Fish SV. NUWH & BOP, TOOH w/ tbg. string. RIH w/ pkr, repair pinhole in 4-1/2" csg. at ground level. Pressure test csg. at various intervals; held pressure. TOH w/ pkr, TIH w/ BPMJ, PS, SN & 99 jts. tbg. ND BOP, NU WH. Swab; IFL 50' FS, FFL 1100' FS. 37 bbls. water recovered, no gas.
3/14/03: Open well, no pressure. Swab; IFL 800' FS. Made 15 runs, FL stayed @ 2400'. Rec. 54 bbls. water, no gas. RIH w/ BH pump & rods. Hung well on, RDPU.

PREPARED BY: Ginni A. Kennedy **DATE:** 2/18/03
UPDATED BY: Ginni A. Kennedy **DATE:** 3/18/03

Rt. 4

Falcon Creek Resources, Inc. WTU 923

Grover Federal #1
West Teas Field
"K" Section 9, T20S, R33E
Lea County, New Mexico
GL: 3,543'; KB 3,554'



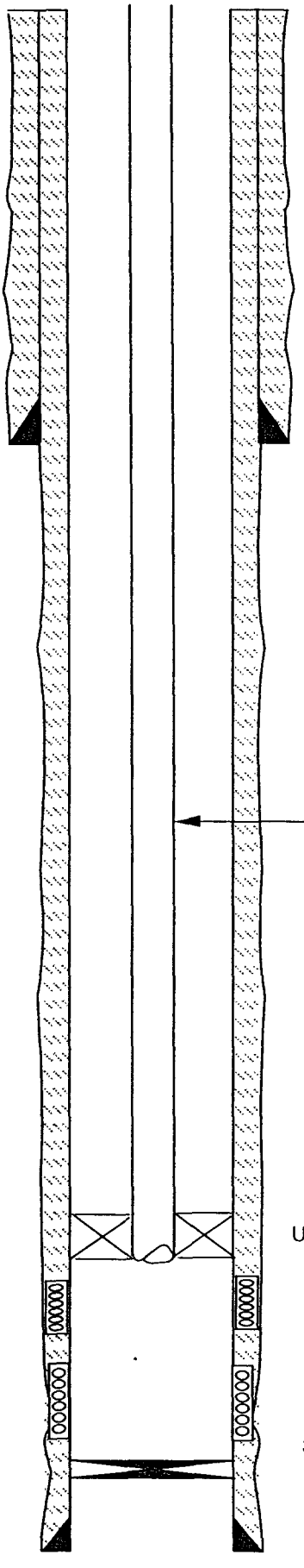
Initial Completion
Spud well 2-16-87
DST #1 3021'-3150'
Perf Seven Rivers from 3292', 3293', 3294', 3295', 3298', 3299', 3300', 3301', 3302', 3303', 3304' & 3305'
Acidize w/ 250 gals acid
Set CIBP @ 3285'
Perf Y3 3263', 3255', 3268', 3270' w/ 2 JSPF,
Acidize w/ 250 gal 15% NEFE
Set CIBP @ 3250'
Perf Yates Y2 from 3154', 3159', 3164', 3168', 3174', & 3180' w/ 2 JSPF
Acidize w/ 500 gals 15% NEFE
IPP: 65 BOPD

11/87
Frac Yates w/ 18,900 gal gelled water, 95 tons CO2, 40,000# 20/40 sd, & 33,000# of 12/20 sd
IPP: 85 BO

All Cement Information was from State Sundry Notices

Chesapeake Operating, Inc.

WTU #913
Injection Well
(Grover Federal #2)
West Teas Field
"L" Section 9, T20S, R33E
Lea County, New Mexico
GL: 3,543'; KB: 3,553'



1,256' - 8-5/8" Casing,
cmt to surface w/500 sx
circ 230 sx

98 Jts. 2-3/8" Poly core lined tbg.

Uni 1 Pkr @ 3075'

Yates Perfs:
3,114' - 3,124'
3158' - 3172'
3,217' - 3,239'
w/2 JSPF-12 holes

3286' PBTD
(DO CIBP, pushed to 3,286')

7-7/8" Hole
3,400' - 4-1/2" 10.5#, J-55 Casing, cmt w/1100 sx Class "C"
Cmt to surface, circ 39 sx to surface

Initial Completion
Spud well 11-12-87
DST #1 3075'-3250'. 32 min PF, Strong, 60 min ISI. 63 min 2nd F, 240 min FSI. Rec 450 total FL, 300' O&G cut mud & 150' DF. Sampler Recovered:
100 cc GCO 240 cc water, 1240 cc total
FSIP: 1061 PSI
Perf Yates Y2 from 3217', 3220', 3227', 3231', 3237', and 3239' w/ 2 JSPF
Acidize w/500 gals 15% NeFe
IPP: 20 BO

1/88
Frac w/ 380 bbls H20, 60 tons C02
35,000# 20/40 & 28,500 12/20 sd
IPP: 80 BO, 35 BW

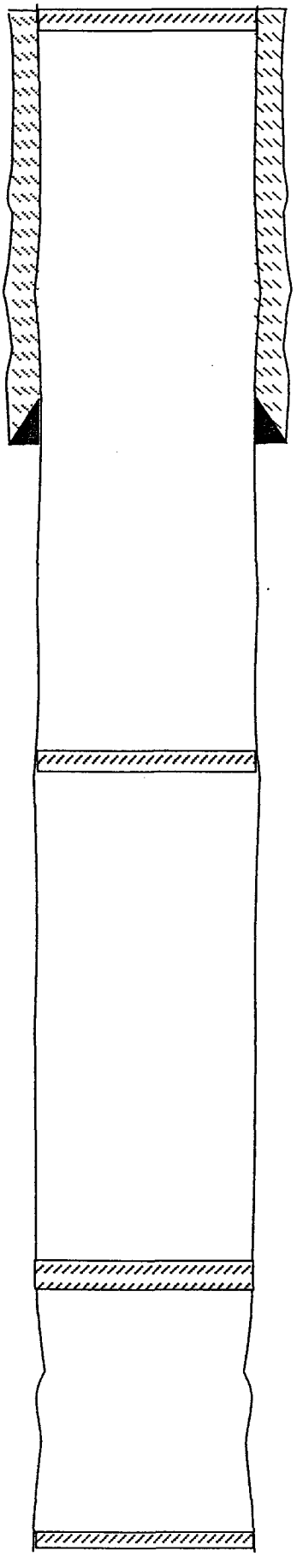
3/7 - 3/8/02
Repair tubing. POOH w. tbg, pump & rods, load well w/ 12 BPW, test for 1500#, good pump action.

4/22 - 4/30/03
Convert to WIW
Reperf Yates 3217' - 3237', acidize, set CIBP @ 3200', reperf Yates 3114' - 3124' 3158' - 3172', acidize & frac Yates perfs 3114' - 3172', RIH w/ 3-7/8" bit, CO w/ foam unit to CIBP @ 3,200'. DO CIBP, push down to 3,286'--unable to go further. Circ clean. RIH w/ tbg & 4-1/2" Uni 1 Pkr. to 3,075'. Load csg. w/ pkr. fluid, test to 350 psi for 30 mins for state MIT. RDMO.

All Cement Information was from State Sundry Notices

Falcon Creek Resources, Inc.

Federal #4
West Teas Field
"M" Section 9, T20S, R33E
Lea County, New Mexico
GL: 3,531'; KB: 3,541'



Cmt Plug @ surface w/ 15 sx

12-1/4" Hole
1,252' - 8-5/8" Casing,
cmt to surface w/700 sx

1100' - 1445' Cmt Plug w/ 175 sx

2,650' - 2950' Cmt Plug w/90 sx

3300' - 3400' Cmt Plug w/ 30 sx

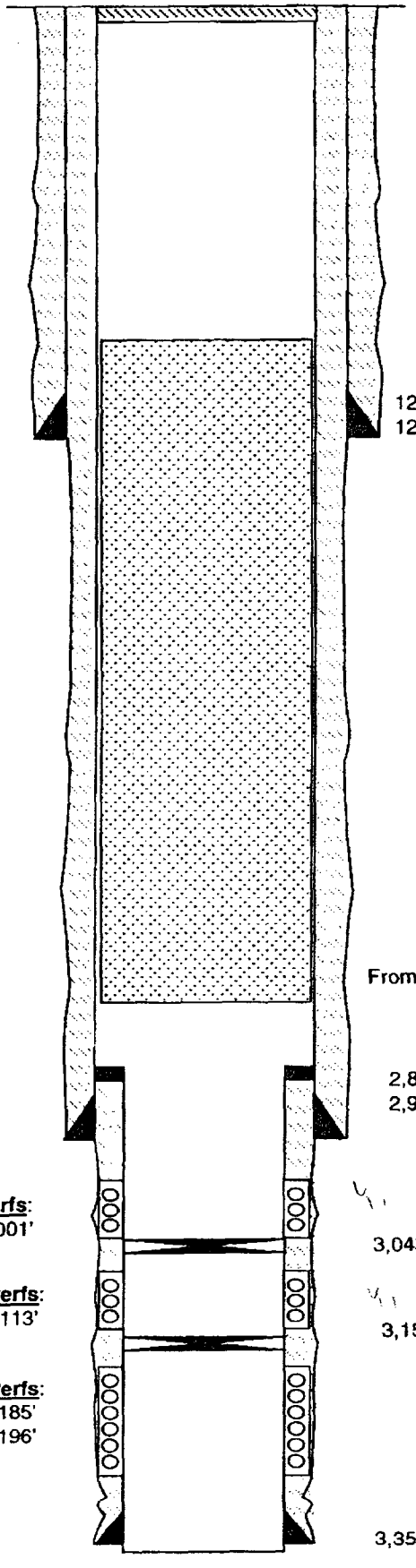
TD: 3400'

Initial Completion
Spud well 3-2-88
DST 3023'-3195'
R/60' DF, PFFP 114-114,
ISIP=343, FP 114-114, FSIP 251,
HP 1646-1646.
P&A

Plugging information is from
State Reports

Sapient Energy Corp.

Lea 6015 Federal #2
West Teas Field
"N" Section 9, T20S, R33E
Lea County, New Mexico
GL: 3,532'



10 sx Cmt plug

1107' Top of Cmt Fill

12-1/4" Hole
1285' - 9-5/8", 32#, Casing,
cmt w/ 450 sx to surface

From Cmt Retainer @ 2735' Filled w/ 250 sx

2,875' - Top of Liner
2,950' - 7", 20#, J-55 Casing,
cmt w/ 600 sx

Yates I Perfs:
2,980' - 3,001'

3,045' - CIBP

Yates F Perfs:
3,085' - 3,113'

3,150' - CIBP

Yates B Perfs:
3,180' - 3,185'
3,190' - 3,196'
w/ 4 JSPF

3,350' - 5-1/2" Liner, cmt w/90 sx

Initial Completion
Spud 7-30-63
Perf Yates B 3180'-3196' - 44 holes
Acidize w/ 500 gals
Frac w/ 10,000 gal & 10,000# sd
IPP: 58 BO, 2 BW

2/70
Set CIBP@ 3150'
Perf Yates G 3085'-3113'
Acidize w/ 500 gals
IP: 69 BW (Y2 test wet)
Set BP @ 3045'
Perf Yates I 2980'-3001'
Acidize w/ 1500 gal
Frac w/ 20,000 gal & 20,000# sd
IP: 4 BW
TA

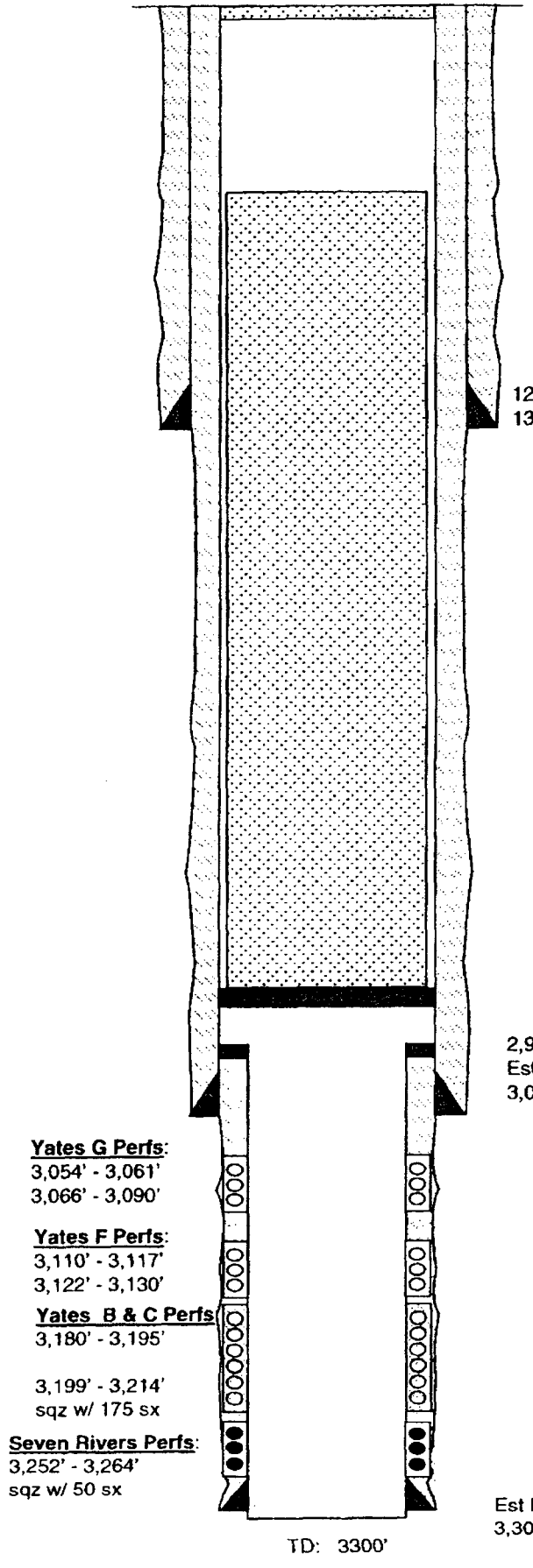
Scout ticket Note:
2/71 "May convert to SWD"

2/75
Set Cmt retainer @ 2735' Spotted 250 sx "C" cement on top of retr. Tag top of cmt @ 1107'. Hole filled w/ mud-laden material 1107'-40. 10 sx cmt plug to surface

All cement information from State Forms.

Sapient Energy Corp.

Lea 6015 ARC Federal #1
West Teas Field
"O" Section 9, T20S, R33E
Lea County, New Mexico
DF: 3,550'



Initial Completion
Spud 4-3-60
Perf Yates A & B 3199-3214, A 3220-3232
Acidize w/ 500 gals, Sqzd w/ 175 sx
Perf Seven Rivers 3252'-3264'
Acidize w/ 250 gals, Sqzd w/ 50 sx
Perf B 3199'-3215', Acidize w/ 250 gals
Frac w/ 2000 gals, Sqzd perfs
Perf F 3122'-3130', Acidize w/ 250 gal
Sqzd perfs.
D&A

1/69
Perf Yates F 3110'-3117'; 3122'-3130';
Perf Yates B & C 3180'-3195', 3199'-3214' -
70 holes
Acidize w/ 2500 gals
Completed as SWD

12/70
Perf Yates G: 3054'-3061'; 3066'-3090';
Acidize w/ 3000 gals
Converted to WIW

2/75
Set cmt retainer @ 2800'
Sqz thru retainer w/45 sx "C"
Spotted 225 sx "C"on top of retainer
Top of cmt @ 733'.
Spotted 10 sx "C" from 40'-surface

Note: Never Produced