



791

Andrew J. McCalmont
Asset Manager – Permian Basin

June 27, 2003

RECEIVED

JUN 30 2003

Mr. David Catanach
New Mexico Conservation Division
1220 So. St. Francis Dr.
Santa Fe, New Mexico 87505

Oil Conservation Division

Re: Application for Authorization to Inject
WTYSRU #'s 443, 913, 924, 941, & 945
T-20-S, R-33E, N.M.P.M.
Lea County, New Mexico

Dear David:

Please find enclosed for your review Chesapeake's applications to convert the referenced wells in our West Teas Yates Seven Rivers Unit. As required, we have notified offset leasehold owners and the surface owner and put same in the Hobbs-News Sun.

Per the enclosed, we propose to convert 5 additional wells to injection in the Yates Formation. This will greatly enhance our flood pattern and should thus increase hydrocarbon recovery.

Please call if you have any questions or concerns or if you need additional information.

Yours truly,

A handwritten signature in black ink, appearing to read "Andrew J. McCalmont".

Andrew J. McCalmont

SLC

MAIL LOG
OUT

6/17/03

TO	MAILED DATE	TRACKING NUMBER	PACKAGE	DELIVERY DATE	COMMENTS
Kenneth Smith	6/12/03	7002 0510 0002 1312 4042	Copies of WTYSRU Wells 443, 913, 924, 941 & 495 C-108 applications		
Bob Shelton, Nearburg Producing, Inc.	6/12/03	7002 0510 0002 1312 4035	Copy of WTYSRU Well 443 C-108 application		
Don Shackelford, Shackelford Oil Company	6/12/03	7002 0510 0002 1312 4028	Copies of WTYSRU Wells 443, 941 & 945 C-108 applications		
SE Royalties, Inc.	6/12/03	7002 0510 0002 1312 4011	Copy of WTYSRU Well 913 C-108 application		
Brad James, Pure Energy	6/12/03	7002 0510 0002 1312 4004	Copy of WTYSRU Well 945 C-108 application		

Jun 26 03 09:45a

William R. Chalfant

682-2601

P.2



Land Department

June 23, 2003

VIA HAND DELIVERY

Mr. Kenneth Smith
Kenneth Smith, Inc.
P.O. Box 764
Carlsbad, NM 88220

Re: WTYSRU Well #443
WTYSRU Well #913
WTYSRU Well #924
WTYSRU Well #941
WTYSRU Well #945
Lea County, New Mexico

Dear Mr. Smith:

Enclosed please find C-108 applications on the captioned wells. Please indicate your receipt of the applications by signing in the space provided and returning this letter to my attention at the address below.

If you have any questions, call Lynda Townsend at (405) 879-9414.

Sincerely,

Chesapeake Exploration Limited Partnership

Sara L. Caldwell
Land Tech

Enclosures

Kenneth Smith received copies of the C-108 applications for the captioned wells.

Signed this 25 day of JUNE 2003

Kenneth Smith

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Bob Shelton
Nearburg Producing, Inc.
3300 N. A Street
Building 2, Suite 120
Midland, TX 79705

2. Article
(Transfer from)

7002 0510 0002 1312 4035

PS Form 3811, August 2001

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

Nikki Delgado

C. Date of Delivery

6/16/03

D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☒ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

SE Royalties, Inc.
P.O. Box 1658
Carlsbad, NM 88221

2. Article Num
(Transfer from)

7002 0510 0002 1312 4011

PS Form 3811, August 2001

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

[Signature]

C. Date of Delivery

6/16/03

D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☒ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Brad James
Pure Energy
153 Treeline Park, Suite 220
San Antonio, TX 78209

2.

7002 0510 0002 1312 4004

PS Form 3811, August 2001

Domestic Return Receipt

102595-02-M-1540

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

Larry Cochran

C. Date of Delivery

6/16/03

D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail☐ Express Mail☐ Registered☒ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Don Shackelford
Shackelford Oil Company
P.O. Box 10665
Midland, TX 79702

2. Article Number
(Transfer from service label)

7002 0510 0002 1312 4028

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent☐ Addressee

B. Received by (Printed Name)

Paula Huijard

C. Date of Delivery

6/16/03

D. Is delivery address different from item 1? ☐ YesIf YES, enter delivery address below: ☐ No

3. Service Type

☐ Certified Mail☐ Express Mail☐ Registered☒ Return Receipt for Merchandise☐ Insured Mail☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

UNITED STATES POSTAL SERVICE

MIDLAND/ODESSA TX 79706/17/06

First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

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

Attn: Sara Caldwell

157

UNITED STATES POSTAL SERVICE

MIDLAND/ODESSA TX 79706/17/06

First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

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

Attn: Sara Caldwell

157

UNITED STATES POSTAL SERVICE

PM
17 JUN
2006

First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

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

Attn: Sara Caldwell

UNITED STATES POSTAL SERVICE

PM
17 JUN
2006

First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

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

Attn: Sara Caldwell

June 5, 2003

RECEIVED

To Whom It May Concern:

JUN 30 2003

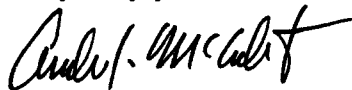
Re: WTYSRU Well #443 – West Teas Field
660' FEL – 1855' FSL
Sec 4-T20S-R33E
Lea County, New Mexico

Oil Conservation Division

Chesapeake Energy, Inc. is making application to convert the #443, 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.

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: 6/5/03

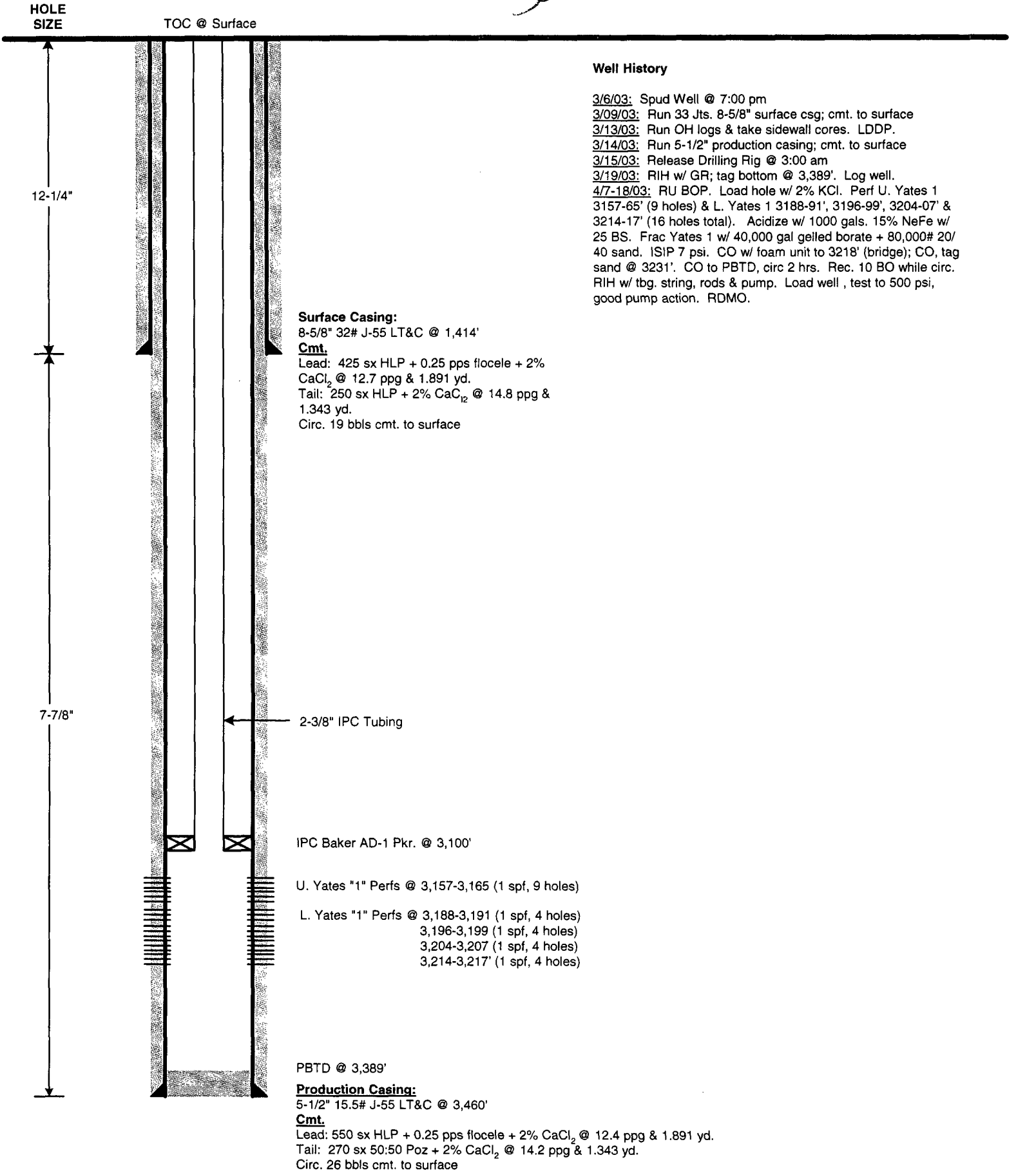
* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted.
Please show the date and circumstances of the earlier submittal: Case No. 12272, Order No. R-11375, 5/18/2000.

PROPOSED WELLBORE SCHEMATIC
CHESAPEAKE OPERATING INC



WELL : WTU #443
FIELD : WEST TEAS
COUNTY : LEA STATE : NM
LOCATION : 660' FEL & 1,855' FSL OF SECTION 4-T20S-R33E
ELEVATION : GL 3,559' RKB 3,575' DF 3,574'
API NO. : 30-025-35976

1650
30-025-35976

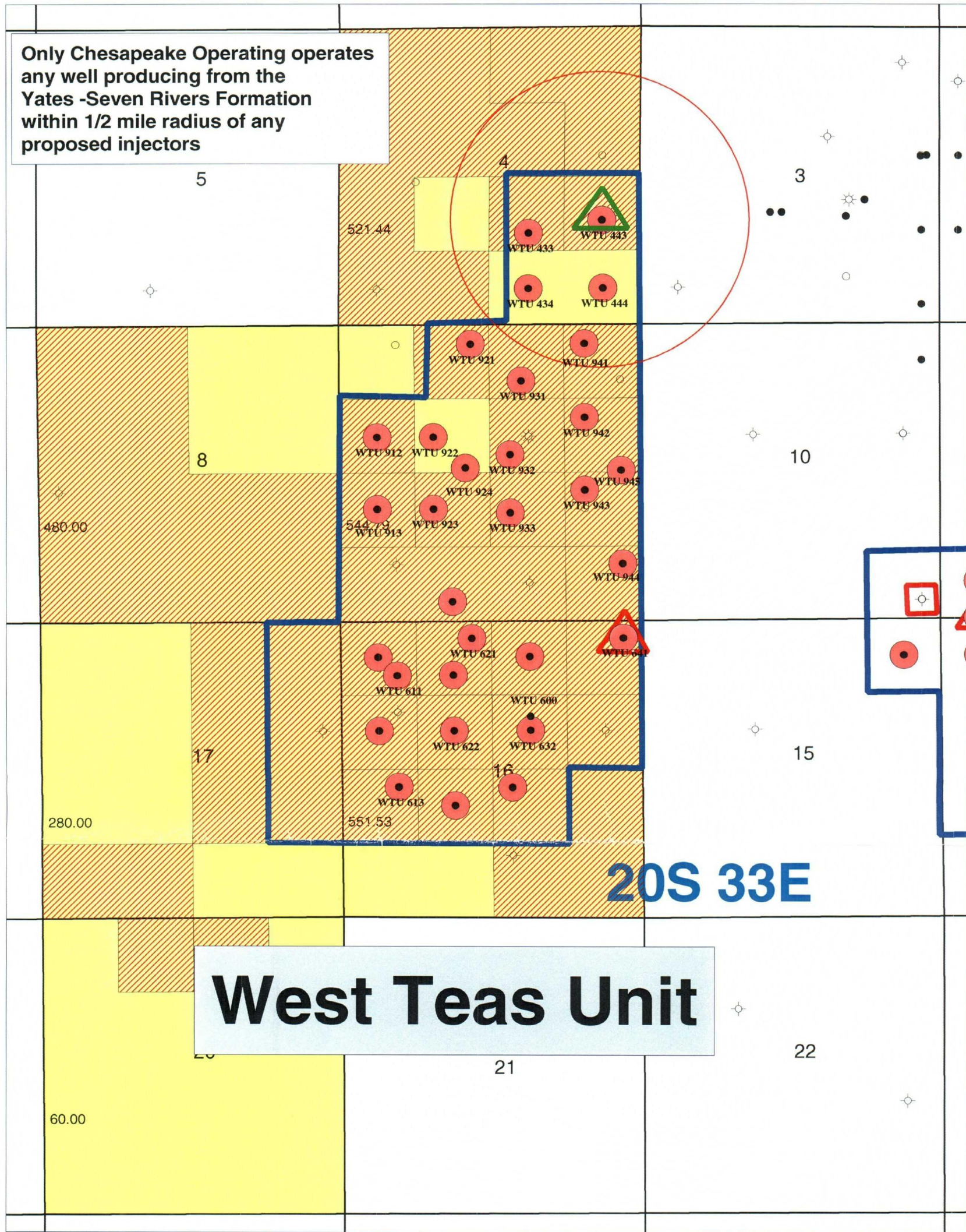


PREPARED BY: Ginni A. Kennedy
UPDATED BY:


DATE: 6/6/03
DATE:

Item V

Only Chesapeake Operating operates any well producing from the Yates -Seven Rivers Formation within 1/2 mile radius of any proposed injectors



- YATES/SEVEN RIVERS PRODUCERS
- WATER FLOOD UNITS
- YATES INJECTORS
- PLANNED YATES INJECTORS
- COI ACREAGE
- COI TRACT OWNERSHIP

	CHESAPEAKE OPERATING, INC.
WEST TEAS YATES SEVEN RIVERS WATERFLOOD UNIT 443 1/2 MILE RADIUS OF PROPOSED INJECTOR Lea County, New Mexico	
Date: 2 June, 2003	Geol/Eng: DB / BL / AM
Scale: 1" = 2000'	

This map displays the West Teas Unit, a large oil and gas field. The unit is outlined in blue and contains numerous wells, represented by red dots. The map is divided into township sections, with township numbers 24 through 30 and range numbers 1 through 6 visible. County boundaries are shown in red, and CHK leases are highlighted in yellow. The map includes a legend in the bottom left corner, a scale bar (0 to 8000 feet) at the bottom center, and a north arrow in the bottom right corner. The Chesapeake Energy Corporation logo is also present in the bottom right corner.

Legend:

- WellIDB Wells (Red dot)
- P2000 Wells (Blue dot)
- State (Outline) (Black line)
- Unit_outlines.shp (Blue outline)
- County (Red outline)
- Township Section (Black outline)
- CHK Leases (Yellow fill)

Map Labels:

Map labels include well names (e.g., WT YATES SEVEN RIVER UT 433, WT YATES SEVEN RIVER UT 444, WT YATES SEVEN RIVER UT 941, WT YATES SEVEN RIVER UT 942, WT YATES SEVEN RIVER UT 943, WT YATES SEVEN RIVER UT 944, WT YATES SEVEN RIVER UT 945, WT YATES SEVEN RIVER UT 946, WT YATES SEVEN RIVER UT 947, WT YATES SEVEN RIVER UT 948, WT YATES SEVEN RIVER UT 949, WT YATES SEVEN RIVER UT 950, WT YATES SEVEN RIVER UT 951, WT YATES SEVEN RIVER UT 952, WT YATES SEVEN RIVER UT 953, WT YATES SEVEN RIVER UT 954, WT YATES SEVEN RIVER UT 955, WT YATES SEVEN RIVER UT 956, WT YATES SEVEN RIVER UT 957, WT YATES SEVEN RIVER UT 958, WT YATES SEVEN RIVER UT 959, WT YATES SEVEN RIVER UT 960, WT YATES SEVEN RIVER UT 961, WT YATES SEVEN RIVER UT 962, WT YATES SEVEN RIVER UT 963, WT YATES SEVEN RIVER UT 964, WT YATES SEVEN RIVER UT 965, WT YATES SEVEN RIVER UT 966, WT YATES SEVEN RIVER UT 967, WT YATES SEVEN RIVER UT 968, WT YATES SEVEN RIVER UT 969, WT YATES SEVEN RIVER UT 970, WT YATES SEVEN RIVER UT 971, WT YATES SEVEN RIVER UT 972, WT YATES SEVEN RIVER UT 973, WT YATES SEVEN RIVER UT 974, WT YATES SEVEN RIVER UT 975, WT YATES SEVEN RIVER UT 976, WT YATES SEVEN RIVER UT 977, WT YATES SEVEN RIVER UT 978, WT YATES SEVEN RIVER UT 979, WT YATES SEVEN RIVER UT 980, WT YATES SEVEN RIVER UT 981, WT YATES SEVEN RIVER UT 982, WT YATES SEVEN RIVER UT 983, WT YATES SEVEN RIVER UT 984, WT YATES SEVEN RIVER UT 985, WT YATES SEVEN RIVER UT 986, WT YATES SEVEN RIVER UT 987, WT YATES SEVEN RIVER UT 988, WT YATES SEVEN RIVER UT 989, WT YATES SEVEN RIVER UT 990, WT YATES SEVEN RIVER UT 991, WT YATES SEVEN RIVER UT 992, WT YATES SEVEN RIVER UT 993, WT YATES SEVEN RIVER UT 994, WT YATES SEVEN RIVER UT 995, WT YATES SEVEN RIVER UT 996, WT YATES SEVEN RIVER UT 997, WT YATES SEVEN RIVER UT 998, WT YATES SEVEN RIVER UT 999, WT YATES SEVEN RIVER UT 1000), unit names (e.g., Mitchell, Devon, SE Royalty, Nearburg, BTA, Shackleford, Concho, Amoco, Matador, EOG, Concho, Yates, Concho, Concho, Matador, Mitchell, Bass, Conoco, Grace, Mitchell, Devon, Oxy, Oxy, Wardlaw, Phillips, Asher, H. Yates, EOG, Bay, Conoco, Bay, Asher, Phillips, Grace, Devon, Belco, Hallwood, Richardson, Grace, Devon, Mitchell, Concho, Asher, Concho), and county names (e.g., Mitchell, Devon, SE Royalty, Nearburg, BTA, Shackleford, Concho, Amoco, Matador, EOG, Concho, Yates, Concho, Concho, Matador, Mitchell, Bass, Conoco, Grace, Mitchell, Devon, Oxy, Oxy, Wardlaw, Phillips, Asher, H. Yates, EOG, Bay, Conoco, Bay, Asher, Phillips, Grace, Devon, Belco, Hallwood, Richardson, Grace, Devon, Mitchell, Concho, Asher, Concho).

Metadata:

Scale: 1:48000
 Projection: No Projection
 Date: 06/03/2003
 Author: Brian Weaver

WTU 443 - C108 - Item VI
Wellbore Schematic/Data Tabulation

	Well Name	Prior Name	Location	Status
1	WTU 433	Anasazi 4 #3	4A-20S-33E	Injecting
2	WTU 434	Scharbauer 4#1	4O-20S-33E	Producing
3	WTU 444	Scharbauer 4#3	4P-20S-33E	Producing
4	WTU 941	Federal 9 #5	9F-20S-33E	Producing
7	US Government #1	NA	3M-20S-33E	P&A

Chesapeake Operating, Inc.

WTU #433
Injection Well
 (Anasazi "4" State #3)
 West Teas Field
 "J" Section 4, T20S, R33E
 Lea County, New Mexico
 GL: 3,556'; KB 3,573'

Initial Completion

Spud well 11-08-94

12/19/94

Perf LY1 3272-76, 3288-92, 4 spf (32)

Perf UY1 3230-50' 4 spf (40)

Isolate 3288-92 swab dry, Isolate 3272-76' swab dry, Acidize 3272-76' w/400 gal 7.5% HCl (poss. Commun. w/3288-92') Acidize 3246-50'

Swab 3272-76' acid wtr + fm wtr

Swab 3230-50' little inflow w/tr. Oil

Set CIBP @3268', Frac 3230-50' w/ 7942 gal. XL gel 47000# 20/40 Brady @2-12 ppg, (began screen-out)

Drill out CIBP @3268', POP

IPP: 41 BOPD; 27 BWPD, 15 MCFD

6/5/96

Set CIBP @3265' Re-Frac w/ 19800

gal YF-120, 119400# 20/40

IPP 8 BOPD, 69 BWPD

4/11/02

Hole in tubing

POOH w/ pump, rods & 2-3/8" tbg., test tbg to 5000 psi above slips, chg. out 5 jts. & 50 rod boxes, hang well on, RDMO.

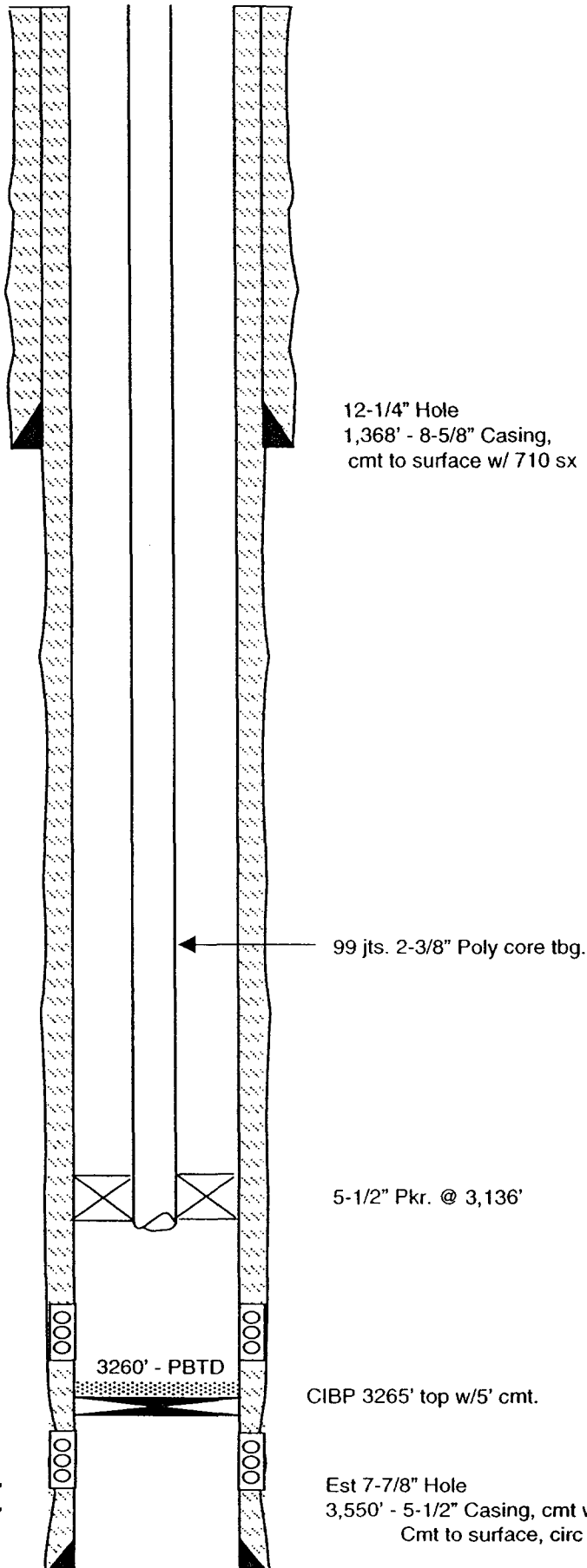
5/1/03 - 5/03/03

Convert to WIW.

LD pump, rods & tbg. RIH w/ 4-3/4" bit & tbg. to 3200', RU foam unit & CO to 3260', circ. 2 hrs. RD foam unit, POOH, RIH w/ 5-1/2" pkr. to 3,200'.

Test to 500 psi, go up to 750 psi & bust hole in tbg. POOH w/ tbg. & pkr; replace bad jt., RIH w/ tbg & pkr; attempt to set pkr @ 3,165'; no success; set pkr. @ 3,136'. Test csg. to 450 psi for 30 mins. for state MIT. Pump 24 bbls. Ne-Fe acid & 60 BPW @ 2-1/2 BPM & 1100 psi. SD, went on vacuum. RDMO.

Cement circulated was estimated by calculations.



UY1 Perfs:
 3,230' - 3,250'

LY1 Perfs:
 3,272' - 3,276'
 3,288' - 3,292'

12-1/4" Hole
 1,368' - 8-5/8" Casing,
 cmt to surface w/ 710 sx

99 jts. 2-3/8" Poly core tbg.

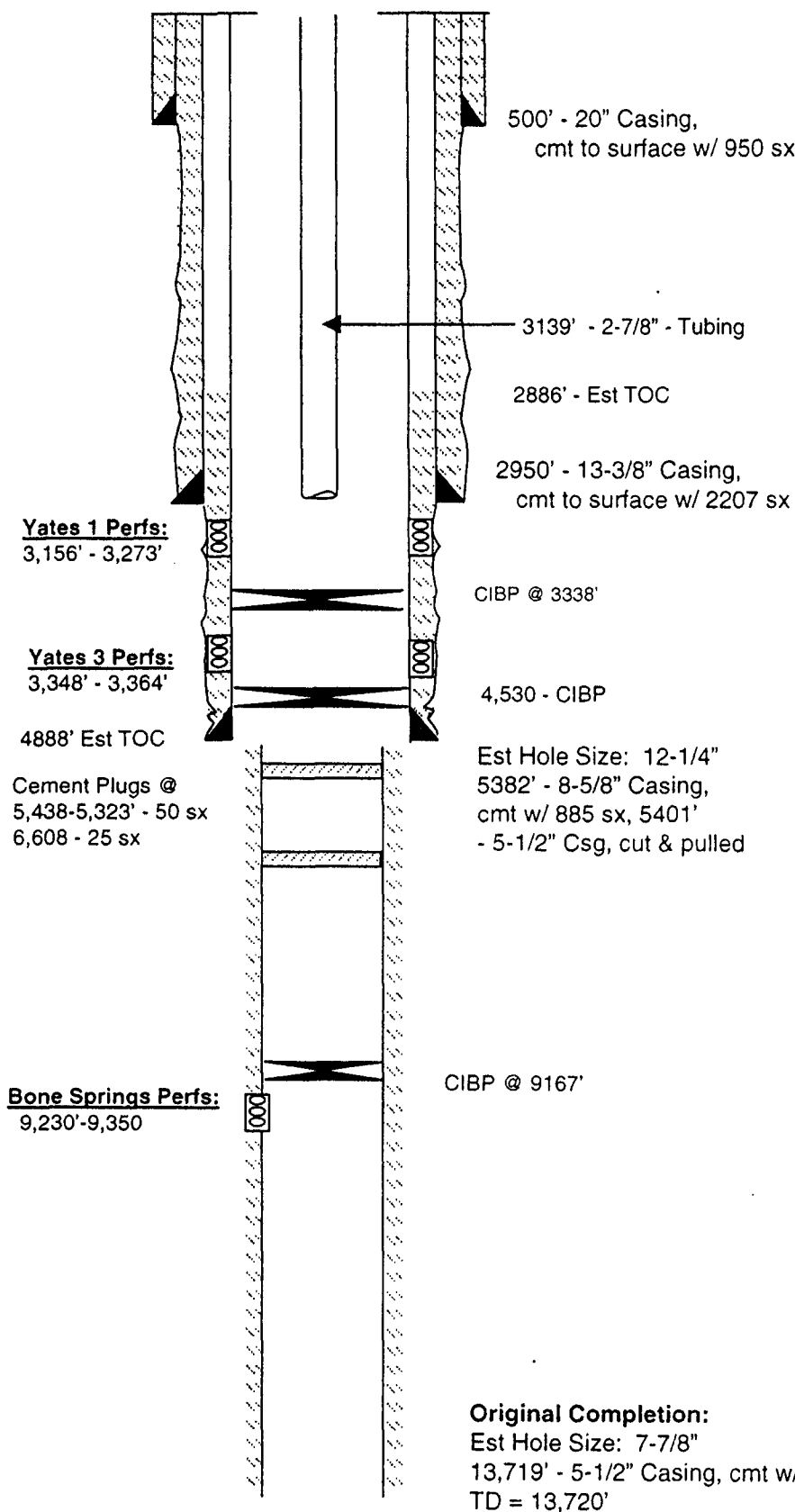
5-1/2" Pkr. @ 3,136'

CIBP 3265' top w/5' cmt.

Est 7-7/8" Hole
 3,550' - 5-1/2" Casing, cmt w/780 sx Class
 Cmt to surface, circ approx 301 cu ft

Falcon Creek Resources, Inc.

WTU #434
(Scharbauer "4" #1)
West Teas Field
"O" Section 4, T20S, R33E
Lea County, New Mexico
GL: 3,556'; KB 3,574'



Initial Completion:

Spud 4/93

Perf Bones Springs 9,230' - 9,350'

IPP: 65 BO, 60 MCFD, 201 BWPD

1/94 Perf Y3 from 3348'-3364' (1sp2f)

Acidize w/ 1000 gals 7-1/2% NeFe

Swab 94 of 86 Bbl load w/ no shows

Set CIBP @ 3338'

2/94

Perf Y1 from 3,156-64', 3,174-90',

3200-08', 3218-24', 3233-37',

3244-52', 3261-65', 3269-73' (1 spf)

Acidize w/ 2600 gal 7.5% NeFe,

swab 7 runs, rec 24 BW, 0.5 BO, last
pull 25% oil

Frac w/ 53,000 gal GW 171,000#

12/20 Brady to 9 ppg, AIR 30 BPM,

AIP 1570 psi, ISIP 1480, force closed

IPP: 104 BOPD, 14 MCFD, 28 BWPD

10/94 500 gal 15% HCl dump job for
scale buildup (3 jts full 9/94)

9/96 Heavy paraffin, 1 jt full par & scale

9/99 Bailed 46' (sd?), acidized w/4000
gal 15% HCl, 7 BPM

All Cement information is estimated
by calculations

Falcon Creek Resources, Inc.

RT. 4

WTU #444
(Scharbauer "4" #3)
West Teas Field
"P" Section 4, T20S, R33E
Lea County, New Mexico
GL: 3,560'; KB 3,570'

Initial Completion

Spud well 9-7-95
Perf Yates 3 from 3263'-3279'
Acidize w/ 2000 gal 7.5% NE-Fe
After load rec. swab 0.18 BO,
24 BW in 4 HR, Set CIBP @ 3230'
Perf Yates from (1 spf) 3104-3132',
3154, 56, 60, 62, 64, 66, 68, 70, 72,
78, 80, 86, 3188'
Acidize w/ 3000 gal 7.5% NeFe
Frac w/ 37016 gal 150,580 # sd
IPP: 98 BOPD, 4 BWPD, 14 MCFD

All Cement Information is Estimated
by Calculations

10/18/01: Off. Clean free sand w/ bailer
3190-3225'. RTH w/ plv to 3082'
Pump 500 gal Xy on vac. Az w/ 2000 gal
15% NEFE @ 4 BPM on vac. Swab back.
PWOP - found clogged 10 mt. PWOP -
won't pump. POOH - sand/paraffin. Swab to
clean up. PWOP.

2/4/02: Az w/ 500 gal

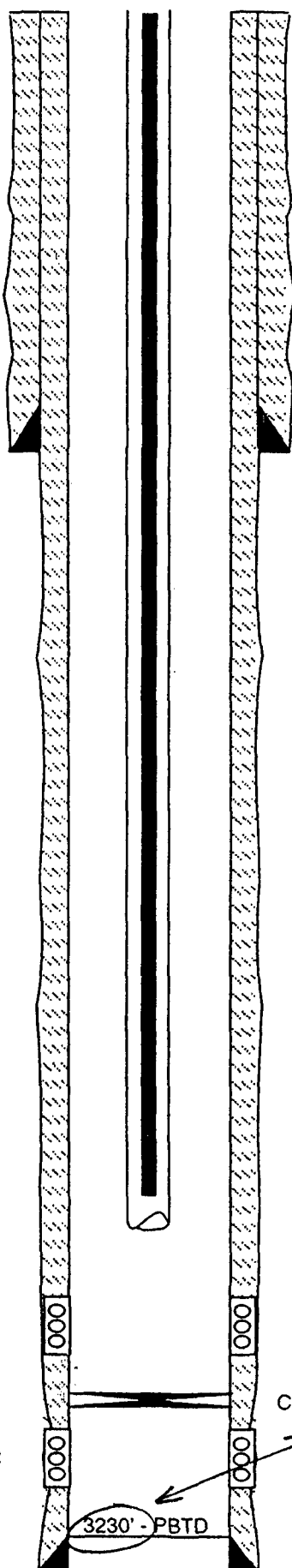
Yates 1 Perfs:
3,104' - 3,188'

Yates 3 Perfs:
3,263' - 3,279'

CIBP 3230'

3230' - PBTB

Est Hole Size: 7-7/8"
3,373' - 4-1/2" Casing, cmt w/815 sx Class
Cmt to surface, circ 189 cu ft to surface



Falcon Creek Resources, Inc.

RT. 4

WTU #941
(Federal "9" #5)
West Teas Field
"A" Section 9, T20S, R33E
Lea County, New Mexico
GL: 3,555'; KB: 3,566' (11')

Initial Completion

Spud well 4-2-94
Perf 7 Rivers @ 3302'-3306' 4 JSPF
Acidize w/1000 gals 28% HCl
Perf 7 Rivers @ 3322'-3326' 4 JSPF
Set cmt retainer @ 3215' & squeeze
w/ 50 sx cmt
IP: 51 BO, 54 BW, 1 MCF

5/94

Perf Yates Y1 3076'-3158' (68 holes)
Acidize w/ 2500 gals 7.5% NeFe acid
Frac w/ 35,000 gal Berate gel &
120,000# 12/20 sd
IP: 72 BO, 105 BW, 4 MCF

9/94

DOCR @ 3215'?, CO sd
Reperf 7 Rivers 3302' - 3306' (16 holes)
IP: 300 BO

10/95

Clean out hole to PBTD 3310'
Acidize w/ 750 gal gel acid

5/00

Set RBP over 7R zone at 3,200'

Cement Information is from State Reports

12-1/4" Hole
1,320' - 8-5/8", 23#, J-55 Casing,
cmt to surface w/680 sx "C"

2-3/8" Tubing (~3250')
Rods in hole:
129 3/4" Rods
1.5" Insert Pump

RBP @ 3,200'

PBTD:3310'

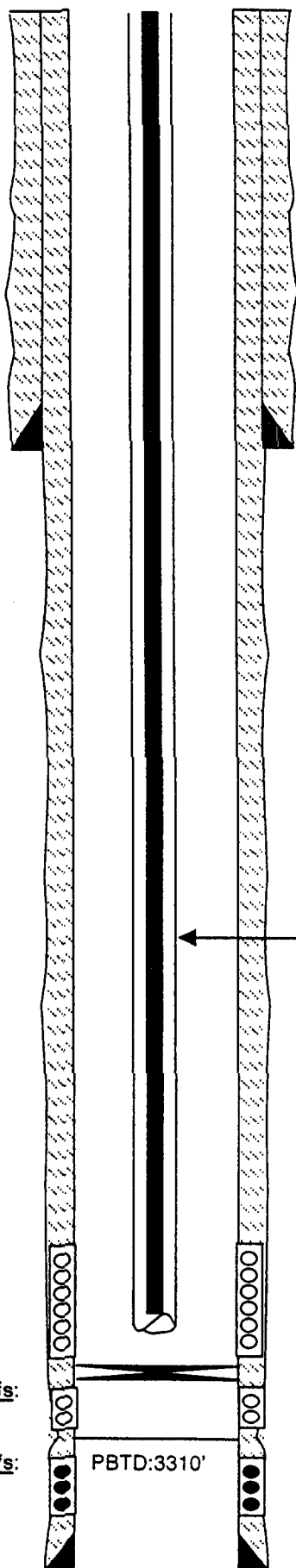
7-7/8" Hole
3,384' - 5-1/2", 15.5# Casing, cmt w/685 sx Class "C"
Circ 70 sx to surface

Updated: 6/29/00

Yates Y1 Perfs:
3,076' - 3,158'

Seven Rivers Perfs:
3,302' - 3,306'

Seven Rivers Perfs:
3,322' - 3,326'
w/ 4 JSPF



63

PAY ZONE	TOP PAY	PRODUCING INTERVAL	IP	BO	W	BS&W	HRS	TEST BASIS
----------	---------	--------------------	----	----	---	------	-----	------------

KB
3593

CSG-TBG-PKR RECORD REACHED T. D.

COUNTY LEA, N.M. FIELD WILDCAT (YATES & 7 RIVERS)
WELL: ROGER C. HANKS #1 U.S. GOVERNMENT ELEV 3592' DF

✓
yts
3288
+305

~~The Subsurface Library~~
~~P. O. Box 942~~
~~Midland, Texas~~

M 3

WEEKLY REPORT

MALCO REFINERIES, Inc.
SCOUT REPORT

Field WILACAT

Scout Dist. No. 11

COMPANY McGrath & Smith

WELL NO. 1

FARM Trigg Federal

County Lea State New Mexico

Sec 3

Twp 20N

Rge 33E

Spd 1-27-57 Comp 2-26-57

Loc TX FK 660' VS 660' SW

Contractor Charles H. Welch

3500' Test

EL. D. P. 3568 Or

1-30-57 BURT

FEB 6 1435 RR

FEB 13 2100 X 4 patch

FEB 20 2025 RR

FEB 27 TD 3425 1/2 Pd A

FORMATIONS: Penetrated

TA	
TX	7524
BK	2220
TYL	+575
TSR	7425
TQ	+1+3
TCh	
TEA	
TGI	
TCF	
T. Tubbs	
T. Abe	
T. House	
T. Penn	
T. Min	
T. Dev	
T. Meot	
T. Simp	
T. McKee	
T. Ell	
T. Pre-Cam	

MAR -6

Hold for logs

SI 410 640

SI

SI

SI

SI

SI

CASING & CEMENT

Size	Depth	Sex
13 3/4	98	set
10 3/4	488	set
8 5/8	900	set

COMPLETION RECORD

T. D. 3425 1/2 PB
T. P.
IFTT Pd A
Tubing Ch. R
Packer
Perf.

SHOOTING RECORD

Qty	From
Qty	From
Qty	From
Results	

ACIDIZING RECORD

Gal	Zone
Gal	Zone
Gal	Zone
Results	

Grv. COR

PCP SICP

FIP SITP

FORM NO. 121 3-54 10-56 RPOB

DF
~~3556~~
3556

✓
415
3182
+374

The Subsurface Library
P. O. Box 942
Midland, Texas

WTU 443 - 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 443 - 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. |



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
Geologist
Chesapeake Energy Corporation

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 Benson

Notary Public.

My Commission expires
October 18, 2004
(Seal)

This newspaper is duly qualified
to publish legal notices or adver-
tisements 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 Division 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

UNITED STATES
DEPARTMENT OF THE INTERIOR
110885 OFFICE OF GEOLOGICAL SURVEYSUBMIT IN TRIP
(Other instructions
verse side)FE-
re-Form approved.
Budget Bureau No. 42-R1424.
LEASE DESIGNATION AND SERIAL NO.

1140-62479

8. IF INDIAN, ALLOTTEE OR TRIBE NAME

NONE

7. UNIT AGREEMENT NAME

NONE

8. FARM OR LEASE NAME

U.S. GOVERNMENT

9. WELL NO.

ONE

10. FIELD AND-POOL, OR WILDCAT

WILDCAT

11. SEC., T., R., M., OR BLM. AND
SURVEY OR AREA

3-205-134

12. COUNTY OR PARISH 13. STATE

LEA NEW MEXICO

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" for such proposals.)

1.

OIL WELL ☐ GAS WELL ☐ OTHER ☒ DRY

2. NAME OF OPERATOR

ROGER C. HARKS

3. ADDRESS OF OPERATOR

1102 Oil & Gas Bldg., Wichita Falls, Texas 76301

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1980' FEL and 1980' FNL of the Section

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

Ltr. dated 8-11-66 3581' Gr.

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

X

(NOTE: Report results of multiple completion or Well
Completion or Recompletion Report and Log form.)17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any
proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent
to this work.)*

Spud Date: 8-16-66

Plugging Date: 8-22-66

Summary: Well was drilled to depth of 3460' (Driller).
No porosity was encountered during drilling of well.
A 65' core of 100% anhydrite was recovered from interval
3395'-3460'.
Due to low structural position of the well, it was abandoned
with no further drilling.
Ran a Schlumberger Gamma-Ray Sonic Log.

Plug #1	3410'-3240'	170'	70	sk. of com. co.
#2	3225'-3025'	200'	60	sk. of com. co.
#3	1420'-1220'	200'	60	sk. of com. co.
#4	350'-250'	100'	30	sk. of com. co.
#5	25'-0'-'	25'	10	sk. of com. co.

18. I hereby certify that the foregoing is true and correct

SIGNED

Roger C. Harks

TITLE

Owner & Operator

DATE

11-13-66

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

APPROVED

DATE

NOV 17 1966

*See Instructions on Reverse Side

J L GORDON
ACTING DISTRICT ENGINEER

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 1: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, each proposal and report should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud, or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned or final inspection looking to approval of the abandonment.

U.S. GOVERNMENT PRINTING OFFICE: 1989-O-883289

5010-111

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