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Thomas J. Scarbrough
Staff Landman
Mid-America - Permian Basin
600 N. Dairy Ashford, 2WL-15058
Houston, Texas 77079
Tel: 832-486-2338
Fax: 832-486-2674

August 23, 2011

Bureau of Land Management
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220

State of New Mexico
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87504

RE: **Warren Unit - Supplement to 2011 Plan of Development**
I-SEC. No. 601, Serial # NMNM-071052X
Lea County, New Mexico
ConocoPhillips Contract 100460

Gentlemen:

The Warren Unit 2011 Plan of Development (POD) was submitted to the Bureau of Land Management (BLM) and State of New Mexico on March 9, 2011. Pursuant to a recent BLM request, and in accordance with the provisions of Article 9 of the Warren Unit Agreement dated June 6, 1947, ConocoPhillips Company, as Unit Operator, hereby submits the following Supplement to the 2011 POD.

Supplemental attachments are included as follows:

- Attachment 1) Amended BLM Well Completion Report for the Warren Unit #83 well, filed electronically on July 26, 2011, identifying said well as a Water Supply Well.
- Attachment 2) State of New Mexico Oil Conservation Division Sundry Notice for the Warren Unit #83 well requesting reclassification as a water supply well for beneficial use in the development of the Phase I Waterflood. Approved by NMOCD on February 9, 2010.
- Attachment 3) Blinbry-Tubb Waterflood Pilot Plan of Operations including results to date, listing of all injector and producer wells, map depicting location of injector wells and injection pattern, upper and lower perms for injector wells and graphs reflecting cumulative oil production and water injection.

Attachment 4) Comprehensive listing of all facilities upgrades to Warren Unit wells since fourth quarter 2006.

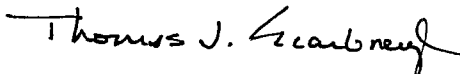
The working interest owners have been provided a copy of this Supplement to 2011 Plan of Development. ConocoPhillips Company and the working interest owners believe that all current Warren Unit obligations have been satisfied.

In accordance with Article 9 of the Warren Unit Agreement, please signify your approval of the 2011 Plan of Development, and Supplement to Plan of Development by executing in the signature block below. Please return one approved copy to the undersigned.

Should you have any questions or comments in this regard, please contact me at 832-486-2338.

Respectfully submitted,

ConocoPhillips Company


Thomas J. Scarbrough, CPL

Bureau of Land Management

Date

New Mexico Oil Conservation Division

Date

The foregoing approvals are for the 2011 Plan of Development/Supplement to 2011 Plan of Development for the Warren Unit, I SEC- No. 601, Lea County, New Mexico.

Cc: Apache Corporation
Attn: Michelle Hanson
303 Veterans Airpark Lane
Midland, TX 79705

Attachment 1 to 2011 Supplemental PLAN OF DEVELOPMENT

Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☐ Oil Well ☐ Gas Well ☐ Dry ☒ Other: OTH		6. If Indian, Allottee or Tribe Name	
b. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☒ Plug Back ☐ Diff. Resvr. Other _____		7. Unit or CA Agreement Name and No. WARREN UNIT	
2. Name of Operator CONOCOPHILLIPS COMPANY Contact: BRIAN MAIORINO E-Mail: brian.d.maiorino@conocophillips.com		8. Lease Name and Well No. WARREN UNIT #83	
3. Address 3300 N "A" ST BLDG 6 MIDLAND, TX 79705		9. API Well No. 30-025-26762	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 2100FSL 1650FWL At top prod interval reported below 2100FSL 1650FWL At total depth 2100FSL 1650FWL		10. Field and Pool, or Exploratory WARREN;GRAYBURG-SAN ANDRE	
14. Date Spudded 05/06/1980		15. Date T.D. Reached 05/23/1980	
16. Date Completed ☐ D & A ☒ Ready to Prod. 07/21/1980		17. Elevations (DF, KB, RT, GL)* 3521 GL	
18. Total Depth: MD 6200 TVD		19. Plug Back T.D.: MD 6157 TVD	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL, DLL-GR, COMP. DENSILOG, CALIPER, GR-CCL	
22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☒ No ☐ Yes (Submit analysis)			

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.325	61.0	0	1398		1094		0	
12.250	5.500	15.5	0	6200		2890		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	4194							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) SAN ANDRES	4000	5355	4195 TO 4380	0.800	120	OPEN
B)						
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
4235 TO 4315	2000 GAL 15% W/150 BIO BALLS, 631 BBLs SILVERSTIM, 50,000 LBS 20/40 JORDAN
4195 TO 4380	4700 GA; 15% W/288 BIO BALLS

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
01/06/2010	01/06/2010	24	→	0.0	0.0	412.0			ELECTRIC PUMPING UNIT
Choke Size	Tbg Press. Flwg.	Csg Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
48/48	SI	2.3	→	0	0	412		WSW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg Press. Flwg.	Csg Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #113797 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

Attachment 1 (cont'd.) to 2011 Supplemental PLAN OF DEVELOPMENT

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
CAPTURED

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
RUSTLER	1415				
SALADO	1495				
TANSIL	2537				
SEVEN RIVERS	2938				
QUEEN	3496				
SAN ANDRES	4000				
GLORIETA	5355				
BLINEBRY	5864				

32. Additional remarks (include plugging procedure):
Water Supply Well

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #113797 Verified by the BLM Well Information System.
For CONOCOPHILLIPS COMPANY, sent to the Hobbs

Name (please print) BRIAN MAIORINOTitle AUTHORIZED REPRESENTATIVE

Signature _____ (Electronic Submission)

Date 07/26/2011

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL **

Submit 1 Copy To Appropriate District Office
 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

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 October 13, 2009

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

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.)		WELL API NO. 30-025-26762
1. Type of Well: Oil Well ☐ Gas Well ☐ Other ☐		5. Indicate Type of Lease STATE ☐ FEE ☐
2. Name of Operator ConocoPhillips Company		6. State Oil & Gas Lease No. Federal Lease LC 031695A
3. Address of Operator P.O. Box 51810 Midland, Tx 79710		7. Lease Name or Unit Agreement Name Warren Unit
4. Well Location Unit Letter _____ : 2100 feet from the South line and 1650 feet from the West line Section 29 Township 20S Range 38E NMPM Lea County		8. Well Number # 83
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3521		9. OGRID Number 217817
10. Pool name or Wildcat San Andres		

12. 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 COMPL ☐
 DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:
 REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☐
 CASING/CEMENT JOB ☐

OTHER: Reclass ☐

OTHER: ☐

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.

Conocophillips Company respectfully request that the above well be reclassified as a water supply well for beneficial use in the development of the Phase I waterflood.

Spud Date:

Rig Release Date:

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

SIGNATURE Donna Williams TITLE Sr. Regulatory Specialist DATE 2/4/2010
 Type or print name Donna Williams E-mail address: Donna.J.Williams@Conocophillips.com PHONE: 432-688-6943
For State Use Only

APPROVED BY: PETROLEUM ENGINEER TITLE PETROLEUM ENGINEER DATE FEB 09 2010
 Conditions of Approval (if any):

Next time attach a Federal Sundry Notice as a cover sheet

Attachment 3 to 2011
Supplemental POD

ConocoPhillips

**Blinebry-Tubb Waterflood Pilot Plan of
Operations**

August 23, 2011

Warren Unit Waterflood Pilot

- Within the Warren Unit, the Blinebry-Tubb zones of the Clearfork formation have produced with waterflood support since the mid-1950's. By 1997, 11, 80-acre injector-centered Blinebry-Tubb 9-spot patterns had been established in the Warren Unit.
- In an effort to increase areal sweep efficiencies and oil recoveries, a 40-acre, producer centered 5-spot pilot was initiated. The following work was accomplished from July 2010 to July 26, 2011 in order to establish 4 patterns for the pilot:
 - Infill drill 20-acre Blinebry-Tubb locations
 - Warren Unit #345, #346
 - Convert existing 40-acre Blinebry-Tubb producers to injectors
 - Warren Unit #9, #40, #26, #31, #30, #110
 - Convert shut-in wells to San Andres-Grayburg water supply wells
 - Warren Unit #83, #84
- To date (July 26, 2011), the following work has not been completed, but will be completed and operational by the end of August 2011:
 - Add perfs to existing producers to enhance vertical conformance
 - Warren Unit #308 and #319
 - Convert shut-in wells to San Andres-Grayburg water supply wells
 - Warren Unit #91, #93
- If successful, the following activities are planned for the Warren Unit from 2013-2018:
 - 52 20-acre new drill producers
 - 7 new drill injectors
 - 54 producer to injector conversions

Warren Blinebry-Tubb Injectors

WELL NAME	WELL NO.	API	TWN	RNG	SEC	UL	PA Y/N	FORMATION CODE	PRODUCTION STATUS	Upper Perf	Lower Perf
WARREN UNIT B-T WF	9	300250784100	20S	38E	27	E	Y	452BLBR	ACTIVE SERV	5871	6321
WARREN UNIT	13	300250788100	20S	38E	34	O		452BLBR	ACTIVE SERV	5882	6002
WARREN UNIT	14	300250788900	20S	38E	34	M		452BLBR	ACTIVE SERV	5748	6006
WARREN UNIT	16	300250787600	20S	38E	33	O		452BLBR	ACTIVE SERV	5773	6008
WARREN UNIT	17	300250787700	20S	38E	33	I		452BLBR	ACTIVE SERV	5800	6008
WARREN UNIT B-T WF	20	300250788200	20S	38E	34	E	Y	452BLBR	ACTIVE SERV	5890	6020
WARREN UNIT B-T WF	26	300250784200	20S	38E	27	M	Y	452BLBR	ACTIVE SERV	5865	6268
WARREN UNIT B-T WF	30	300252473200	20S	38E	27	K	Y	452BLBR	ACTIVE SERV	5890	6376
WARREN UNIT B-T WF	31	300252478100	20S	38E	27	O	Y	452BLBR	ACTIVE SERV	5902	6382
WARREN UNIT B-T WF	32	300252504300	20S	38E	27	P	Y	452BLBR	ACTIVE SERV	5953	6278
WARREN UNIT B-T WF	33	300252504400	20S	38E	27	F	Y	452BLBR	ACTIVE SERV	5955	6240
WARREN UNIT B-T WF	37	300252515300	20S	38E	27	J	Y	452BLBR	ACTIVE SERV	5966	6423
WARREN UNIT B-T WF	39	300252520300	20S	38E	34	B	Y	452BLBR	ACTIVE SERV	5875	6217
WARREN UNIT B-T WF	40	300252520400	20S	38E	27	G	Y	452BLBR	ACTIVE SERV	5912	6431
WARREN UNIT B-T WF	41	300252524500	20S	38E	27	N	Y	452BLBR	ACTIVE SERV	5834	6345
WARREN UNIT B-T WF	45	300252548800	20S	38E	26	N	Y	452BLBR	ACTIVE SERV	5939	6176
WARREN UNIT B-T WF	48	300252585100	20S	38E	26	F	Y	452BLBR	ACTIVE SERV	5925	6168
WARREN UNIT B-T WF	49	300252585200	20S	38E	26	J	Y	452BLBR	ACTIVE SERV	5983	6215
WARREN UNIT B-T WF	56	300252591700	20S	38E	26	B	Y	452BLBR	ACTIVE SERV	5969	6217
WARREN UNIT B-T WF	57	300252620300	20S	38E	26	D	Y	452BLBR	ACTIVE SERV	5933	6198
WARREN UNIT B-T WF	59	300252556700	20S	38E	26	L	Y	452BLBR	ACTIVE SERV	5937	6196
WARREN UNIT B-T WF	75	300252631200	20S	38E	34	K	Y	452BLBR	ACTIVE SERV	5812	6023
WARREN UNIT	79	300252663200	20S	38E	35	D	Y	452BLBR	ACTIVE SERV	5924	6156
WARREN UNIT B-T WF	80	300252664200	20S	38E	33	G	Y	452BLBR	ACTIVE SERV	5815	6043
WARREN UNIT	105	300253121700	20S	38E	27	H		452BLBR	ACTIVE SERV	5936	6140
WARREN UNIT B-T WF	110	300253196500	20S	38E	27	L	Y	452BLBR	ACTIVE SERV	5891	6296
WARREN UNIT TUBB	32	300252504300	20S	38E	27	P		452TUBB	ACTIVE SERV	6589	6719
WARREN UNIT TUBB	39	300252520300	20S	38E	34	B	Y	452TUBB	ACTIVE SERV	6579	6716
WARREN UNIT TUBB	45	300252548800	20S	38E	26	N		452TUBB	ACTIVE SERV	6643	6706
WARREN UNIT TUBB	49	300252585200	20S	38E	26	J		452TUBB	ACTIVE SERV	6592	6735
WARREN UNIT TUBB	56	300252591700	20S	38E	26	B		452TUBB	ACTIVE SERV	6603	6749
WARREN UNIT B-T WF	57	300252620300	20S	38E	26	D	Y	452TUBB	ACTIVE SERV	6660	6726
WARREN UNIT TUBB	59	300252556700	20S	38E	26	L		452TUBB	ACTIVE SERV	6547	6693
WARREN UNIT	79	300252663200	20S	38E	35	D	Y	452TUBB	ACTIVE SERV	6594	6721
WARREN UNIT	105	300253121700	20S	38E	27	H		452TUBB	ACTIVE SERV	6612	6720
WARREN UNIT	110	300253196500	20S	38E	27	L		452TUBB	ACTIVE SERV	6392	6597

ConocoPhillips

Warren Blinebry-Tubb Producers

WELL NAME	WELL NO.	API	TWN	RNG	SEC	UL	PA Y/N	FORMATION CODE	PRODUCTION STATUS
WARREN UNIT B-T WF	3	300250785200	20S	38E	29	J	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	8	300250784400	20S	38E	28	J	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	8	300250784400	20S	38E	28	J		452TUBB	PUMPING
WARREN UNIT	11	300250788500	20S	38E	35	A		452BLBR	PUMPING
WARREN UNIT	11	300250788500	20S	38E	35	A		452TUBB	PUMPING
WARREN UNIT	12	300250788000	20S	38E	34	N		452BLBR	PUMPING
WARREN UNIT	12	300250788000	20S	38E	34	N		452TUBB	PUMPING
WARREN UNIT	15	300250787500	20S	38E	33	P		452BLBR	PUMPING
WARREN UNIT	15	300250787500	20S	38E	33	P		452TUBB	PUMPING
WARREN UNIT	18	300250788300	20S	38E	34	L		452BLBR	PUMPING
WARREN UNIT B-T WF	19	300250787800	20S	38E	33	H	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	21	300250787900	20S	38E	33	B	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	21	300250787900	20S	38E	33	B	Y	452TUBB	PUMPING
WARREN UNIT B-T WF	34	300252505800	20S	38E	34	C	Y	452BLBR	PUMPING
WARREN UNIT TUBB	34	300252505800	20S	38E	34	C		452TUBB	PUMPING
WARREN UNIT B-T WF	35	300252512400	20S	38E	28	K	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	35	300252512400	20S	38E	28	K		452TUBB	PUMPING
WARREN UNIT B-T WF	36	300252515200	20S	38E	27	D	Y	452BLBR	PUMPING
WARREN UNIT TUBB	36	300252515200	20S	38E	27	D		452TUBB	PUMPING
WARREN UNIT B-T WF	38	300252518900	20S	38E	34	F	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	42	300252536200	20S	38E	27	I	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	42	300252536200	20S	38E	27	I		452TUBB	PUMPING
WARREN UNIT B-T WF	43	300252536000	20S	38E	21	N	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	43	300252536000	20S	38E	21	N		452TUBB	PUMPING
WARREN UNIT B-T WF	44	300252545900	20S	38E	26	M	Y	452BLBR	PUMPING
WARREN UNIT TUBB	44	300252545900	20S	38E	26	M		452TUBB	PUMPING
WARREN UNIT B-T WF	46	300252556200	20S	38E	26	K	Y	452BLBR	PUMPING
WARREN UNIT TUBB	46	300252556200	20S	38E	26	K		452TUBB	PUMPING
WARREN UNIT	47	300252582800	20S	38E	29	H		452BLBR	PUMPING
WARREN UNIT B-T WF	47	300252582800	20S	38E	29	H	Y	452BLBR	PUMPING
WARREN UNIT	47	300252582800	20S	38E	29	H		452TUBB	PUMPING
WARREN UNIT B-T WF	50	300252585000	20S	38E	29	B	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	50	300252585000	20S	38E	29	B		452TUBB	PUMPING
WARREN UNIT B-T WF	51	300252585400	20S	38E	29	A	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	51	300252585400	20S	38E	29	A		452TUBB	PUMPING
WARREN UNIT B-T WF	53	300252591600	20S	38E	26	C	Y	452BLBR	To Be Reactivated
WARREN UNIT TUBB	53	300252591600	20S	38E	26	C		452TUBB	To Be Reactivated

OS

Warren Blinebry-Tubb Producers cont.

WELL NAME	WELL NO.	API	TWN	RNG	SEC	UL	PA Y/N	FORMATION CODE	PRODUCTION STATUS
WARREN UNIT B-T WF	54	300252612500	20S	38E	26	E	Y	452BLBR	PUMPING
WARREN UNIT TUBB	54	300252612500	20S	38E	26	E		452TUBB	PUMPING
WARREN UNIT B-T WF	55	300252585300	20S	38E	26	G	Y	452BLBR	To Be Reactivated
WARREN UNIT TUBB	55	300252585300	20S	38E	26	G		452TUBB	To Be Reactivated
WARREN UNIT B-T WF	61	300252684000	20S	38E	21	M	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	61	300252684000	20S	38E	21	M	Y	452TUBB	PUMPING
WARREN UNIT B-T WF	62	300252620400	20S	38E	20	P	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	62	300252620400	20S	38E	20	P		452TUBB	PUMPING
WARREN UNIT B-T WF	63	300252620500	20S	38E	20	O	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	63	300252620500	20S	38E	20	O		452TUBB	PUMPING
WARREN UNIT B-T WF	64	300252620600	20S	38E	26	A	Y	452BLBR	To Be Reactivated
WARREN UNIT TUBB	64	300252620600	20S	38E	26	A		452TUBB	To Be Reactivated
WARREN UNIT B-T WF	68	300252621000	20S	38E	27	A	Y	452BLBR	Reactivated - PUMPING
WARREN UNIT TUBB	68	300252621000	20S	38E	27	A		452TUBB	Reactivated - PUMPING
WARREN UNIT B-T WF	76	300252631300	20S	38E	33	J	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	77	300252637400	20S	38E	20	J	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	77	300252637400	20S	38E	20	J		452TUBB	PUMPING
WARREN UNIT B-T WF	78	300252651100	20S	38E	20	I	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	78	300252651100	20S	38E	20	I		452TUBB	PUMPING
WARREN UNIT	82	300252684300	20S	38E	35	G		452BLBR	PUMPING
WARREN UNIT	82	300252684300	20S	38E	35	G		452TUBB	PUMPING
WARREN UNIT B-T WF	86	300252709200	20S	38E	29	I	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	86	300252709200	20S	38E	29	I		452TUBB	PUMPING
WARREN UNIT B-T WF	94	300253047300	20S	38E	28	F	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	94	300253047300	20S	38E	28	F	Y	452TUBB	PUMPING
WARREN UNIT B-T WF	95	300253065900	20S	38E	28	P	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	95	300253065900	20S	38E	28	P	Y	452TUBB	PUMPING
WARREN UNIT	96	300253099500	20S	38E	28	I		452BLBR	PUMPING
WARREN UNIT	96	300253099500	20S	38E	28	I	Y	452TUBB	PUMPING
WARREN UNIT B-T WF	97	300253117900	20S	38E	34	D	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	97	300253117900	20S	38E	34	D	Y	452TUBB	PUMPING
WARREN UNIT	98	300253118000	20S	38E	28	A		452BLBR	PUMPING
WARREN UNIT	98	300253118000	20S	38E	28	A		452TUBB	PUMPING
WARREN UNIT B-T WF	99	300253117500	20S	38E	33	A	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	99	300253117500	20S	38E	33	A	Y	452TUBB	PUMPING
WARREN UNIT B-T WF	101	300253377000	20S	38E	34	J	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	101	300253377000	20S	38E	34	J	Y	452TUBB	PUMPING
WARREN UNIT B-T WF	102	300253377100	20S	38E	34	G	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	102	300253377100	20S	38E	34	G	Y	452TUBB	PUMPING
WARREN UNIT B-T WF	104	300253403300	20S	38E	27	B	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	104	300253403300	20S	38E	27	B	Y	452TUBB	PUMPING
WARREN UNIT B-T WF	106	300253193600	20S	38E	34	A	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	106	300253193600	20S	38E	34	A	Y	452TUBB	PUMPING
WARREN UNIT	111	300253224200	20S	38E	28	H		452BLBR	PUMPING
WARREN UNIT	111	300253224200	20S	38E	28	H	Y	452TUBB	PUMPING
WARREN UNIT	112	300253248900	20S	38E	28	G	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	112	300253248900	20S	38E	28	G	Y	452TUBB	PUMPING
WARREN UNIT B-T WF	113	300253249000	20S	38E	28	O	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	113	300253249000	20S	38E	28	O	Y	452TUBB	PUMPING

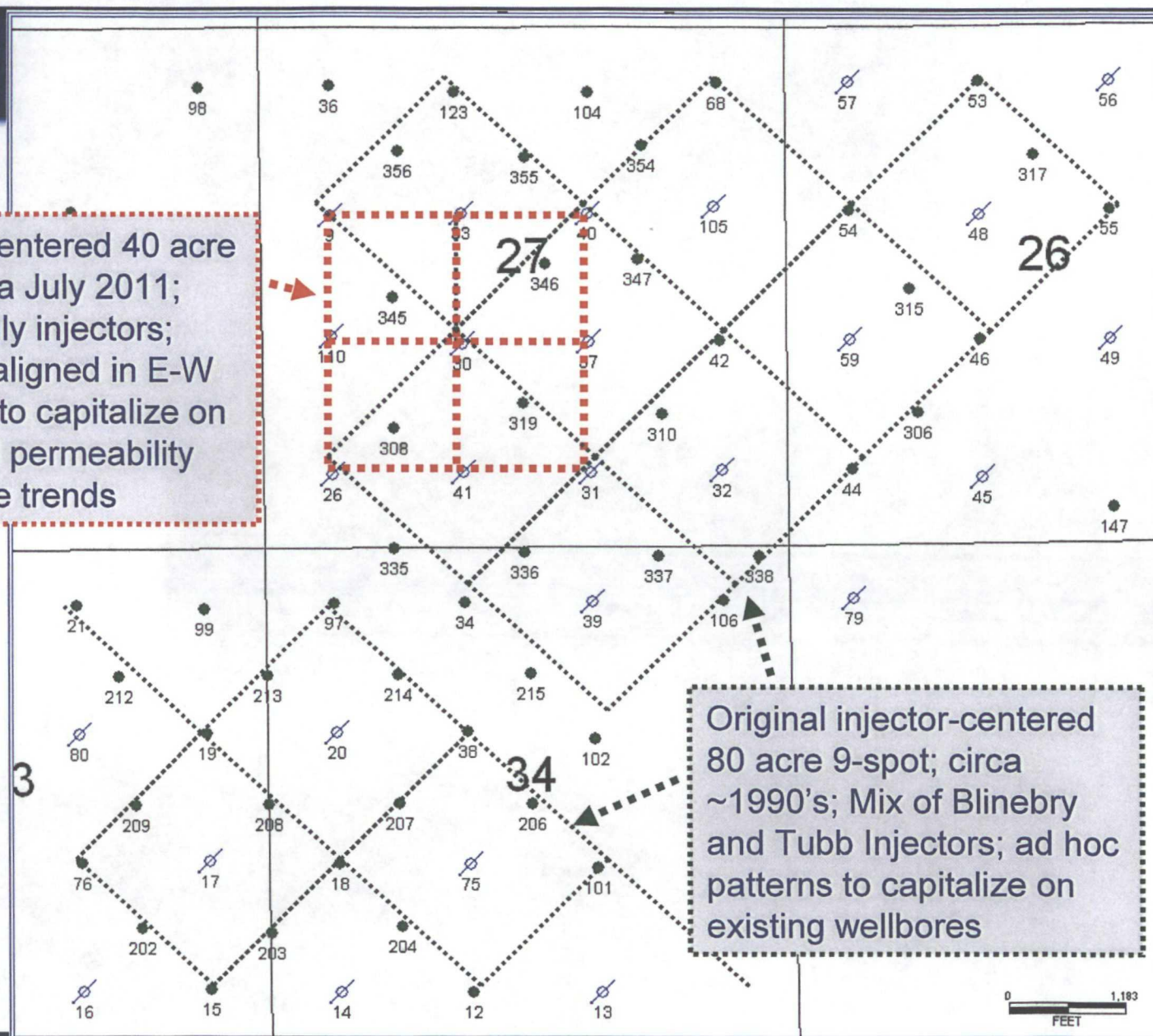
Warren Blinebry-Tubb Producers cont.

WELL NAME	WELL NO.	API	TWN	RNG	SEC	UL	PA Y/N	FORMATION CODE	PRODUCTION STATUS
WARREN UNIT B-T WF	114	300253249100	20S	38E	28	C	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	114	300253249100	20S	38E	28	C	Y	452TUBB	PUMPING
WARREN UNIT	115	300253249200	20S	38E	28	E		452BLBR	PUMPING
WARREN UNIT	115	300253249200	20S	38E	28	E		452TUBB	PUMPING
WARREN UNIT B-T WF	116	300253252000	20S	38E	28	D	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	116	300253252000	20S	38E	28	D	Y	452TUBB	PUMPING
WARREN UNIT	117	300253252100	20S	38E	28	L		452BLBR	PUMPING
WARREN UNIT	117	300253252100	20S	38E	28	L		452TUBB	PUMPING
WARREN UNIT B-T WF	118	300253285300	20S	38E	28	M	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	118	300253285300	20S	38E	28	M	Y	452TUBB	PUMPING
WARREN UNIT B-T WF	119	300253285400	20S	38E	28	N	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	119	300253285400	20S	38E	28	N	Y	452TUBB	PUMPING
WARREN UNIT B-T WF	123	300253309900	20S	38E	27	C	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	123	300253309900	20S	38E	27	C	Y	452TUBB	PUMPING
WARREN UNIT	144	300253397400	20S	38E	25	C	Y	452BLBR	PUMPING
WARREN UNIT	144	300253397400	20S	38E	25	C		452TUBB	PUMPING
WARREN UNIT	145	300253397500	20S	38E	25	D	Y	452BLBR	PUMPING
WARREN UNIT	145	300253397500	20S	38E	25	D		452TUBB	PUMPING
WARREN UNIT B-T WF	146	300253436200	20S	38E	26	P	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	146	300253436200	20S	38E	26	P	Y	452TUBB	PUMPING
WARREN UNIT B-T WF	147	300253558700	20S	38E	26	O	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	147	300253558700	20S	38E	26	O	Y	452TUBB	PUMPING
WARREN UNIT	148	300253577200	20S	38E	25	M		452BLBR	PUMPING
WARREN UNIT	148	300253577200	20S	38E	25	M		452TUBB	PUMPING
WARREN UNIT B-T WF	202	300253362400	20S	38E	33	I	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	202	300253362400	20S	38E	33	I	Y	452TUBB	PUMPING
WARREN UNIT B-T WF	203	300253299500	20S	38E	34	L	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	203	300253299500	20S	38E	34	L	Y	452TUBB	PUMPING
WARREN UNIT B-T WF	204	300253364000	20S	38E	34	K	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	204	300253364000	20S	38E	34	K	Y	452TUBB	PUMPING
WARREN UNIT B-T WF	206	300253394100	20S	38E	34	G	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	206	300253394100	20S	38E	34	G	Y	452TUBB	PUMPING
WARREN UNIT B-T WF	207	300253361900	20S	38E	34	F	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	207	300253361900	20S	38E	34	F	Y	452TUBB	PUMPING
WARREN UNIT B-T WF	208	300253299600	20S	38E	34	E	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	208	300253299600	20S	38E	34	E	Y	452TUBB	PUMPING
WARREN UNIT B-T WF	209	300253362500	20S	38E	33	G	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	209	300253362500	20S	38E	33	G	Y	452TUBB	PUMPING
WARREN UNIT B-T WF	212	300253391600	20S	38E	33	B	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	212	300253391600	20S	38E	33	B	Y	452TUBB	PUMPING
WARREN UNIT B-T WF	213	300253391700	20S	38E	34	D	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	213	300253391700	20S	38E	34	D	Y	452TUBB	PUMPING
WARREN UNIT B-T WF	214	300253391800	20S	38E	34	C	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	214	300253391800	20S	38E	34	C	Y	452TUBB	PUMPING

Warren Blinebry-Tubb Producers cont.

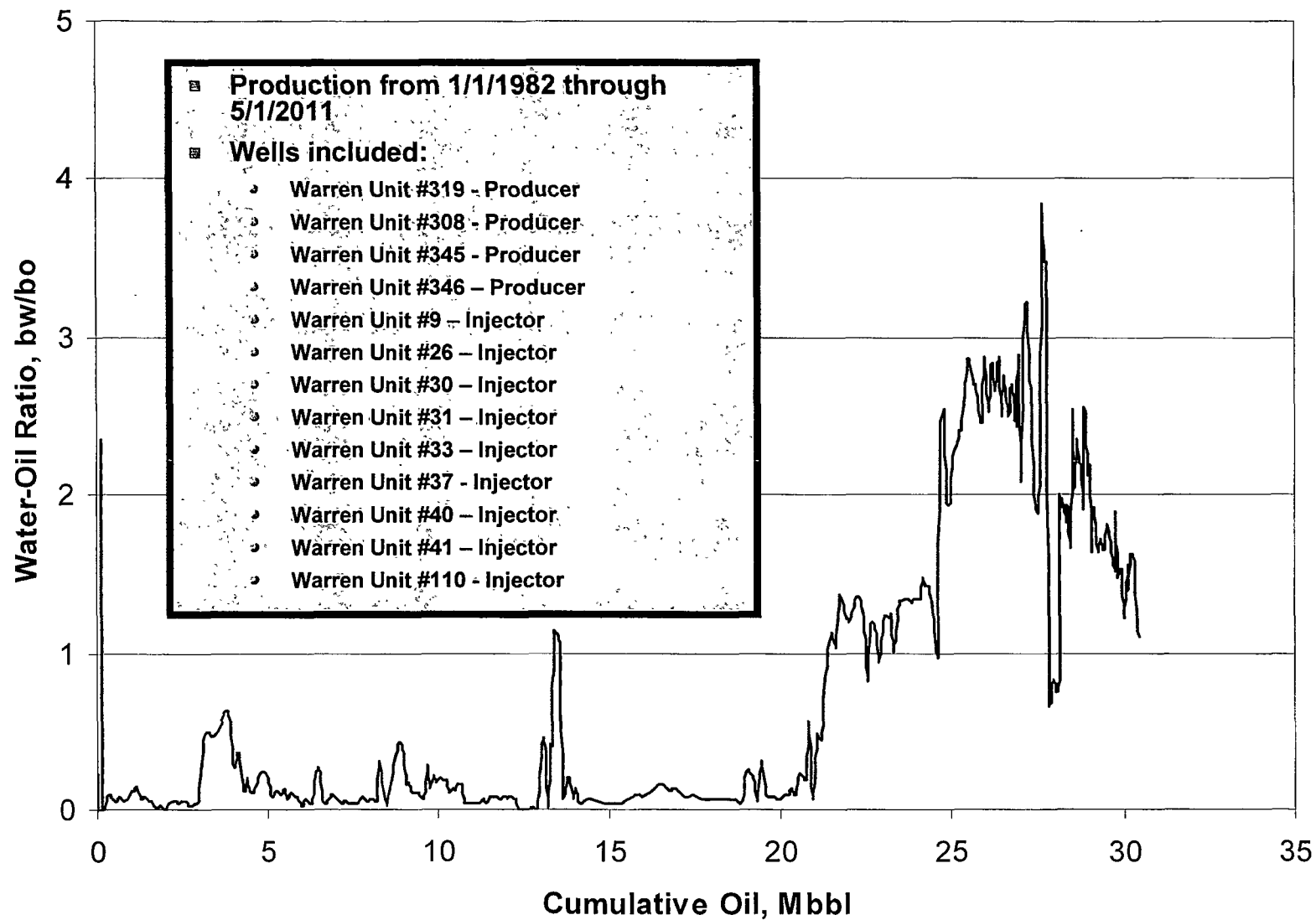
WELL NAME	WELL NO.	API	TWN	RNG	SEC	UL	PA Y/N	FORMATION CODE	PRODUCTION STATUS
WARREN UNIT B-T WF	215	300253394200	20S	38E	34	B	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	215	300253394200	20S	38E	34	B	Y	452TUBB	PUMPING
WARREN UNIT B-T WF	306	300253483800	20S	38E	26	K	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	306	300253483800	20S	38E	26	K	Y	452TUBB	PUMPING
WARREN UNIT B-T WF	308	300253343300	20S	38E	27	N	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	308	300253343300	20S	38E	27	N	Y	452TUBB	PUMPING
WARREN UNIT B-T WF	310	300253483900	20S	38E	27	I	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	310	300253483900	20S	38E	27	I	Y	452TUBB	PUMPING
WARREN UNIT B-T WF	315	300253484000	20S	38E	26	L	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	317	300253355200	20S	38E	26	F	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	317	300253355200	20S	38E	26	F	Y	452TUBB	PUMPING
WARREN UNIT B-T WF	318	300253794900	20S	38E	28	P	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	318	300253794900	20S	38E	28	P	Y	452TUBB	PUMPING
WARREN UNIT B-T WF	319	300253795000	20S	38E	27	J	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	319	300253795000	20S	38E	27	J	Y	452TUBB	PUMPING
WARREN UNIT	322	30-025-38949	20S	38E	28			452BLBR	PUMPING
WARREN UNIT	322	30-025-38949	20S	38E	28			452TUBB	PUMPING
WARREN UNIT	323	30-025-38512	20S	38E	21			452BLBR	PUMPING
WARREN UNIT	323	30-025-38512	20S	38E	21			452TUBB	PUMPING
WARREN UNIT	324	30-025-39190	20S	38E	26			452BLBR	PUMPING
WARREN UNIT	324	30-025-39190	20S	38E	26			452TUBB	PUMPING
WARREN UNIT	335	30-025-39513	20S	38E	34	D	Y	452BLBR	PUMPING
WARREN UNIT	335	30-025-39513	20S	38E	34	D	Y	452TUBB	PUMPING
WARREN UNIT	336	30-025-39514	20S	38E	34	C	Y	452BLBR	PUMPING
WARREN UNIT	336	30-025-39514	20S	38E	34	C	Y	452TUBB	PUMPING
WARREN UNIT	337	30-025-39724	20S	38E	34	A	Y	452BLBR	PUMPING
WARREN UNIT	337	30-025-39724	20S	38E	34	A	Y	452TUBB	PUMPING
WARREN UNIT	338	30-025-39725	20S	38E	34	A	Y	452BLBR	PUMPING
WARREN UNIT	338	30-025-39725	20S	38E	34	A	Y	452TUBB	PUMPING
WARREN UNIT	345	30-025-39726	20S	38E	27	K	Y	452BLBR	PUMPING
WARREN UNIT	345	30-025-39726	20S	38E	27	K	Y	452TUBB	PUMPING
WARREN UNIT	346	30-025-39727	20S	38E	27	G	Y	452BLBR	PUMPING
WARREN UNIT	346	30-025-39727	20S	38E	27	G	Y	452TUBB	PUMPING
WARREN UNIT	347	30-025-39749	20S	38E	27	G	Y	452BLBR	PUMPING
WARREN UNIT	347	30-025-39749	20S	38E	27	G	Y	452TUBB	PUMPING
WARREN UNIT	354	30-025-39728	20S	38E	27	H	Y	452BLBR	PUMPING
WARREN UNIT	354	30-025-39728	20S	38E	27	H	Y	452TUBB	PUMPING
WARREN UNIT	355	30-025-39729	20S	38E	27	G	Y	452BLBR	PUMPING
WARREN UNIT	355	30-025-39729	20S	38E	27	G	Y	452TUBB	PUMPING
WARREN UNIT	356	30-025-39730	20S	38E	27	F	Y	452BLBR	PUMPING
WARREN UNIT	356	30-025-39730	20S	38E	27	F	Y	452TUBB	PUMPING
WARREN UNIT B-T WF	419	300253355900	20S	38E	20	O	Y	452BLBR	PUMPING
WARREN UNIT B-T WF	419	300253355900	20S	38E	20	O	Y	452TUBB	PUMPING

Producer-centered 40 acre 5-spot; circa July 2011; Blinebry-only injectors; producers aligned in E-W orientation to capitalize on preferential permeability and fracture trends



Original injector-centered 80 acre 9-spot; circa ~1990's; Mix of Blinebry and Tubb Injectors; ad hoc patterns to capitalize on existing wellbores

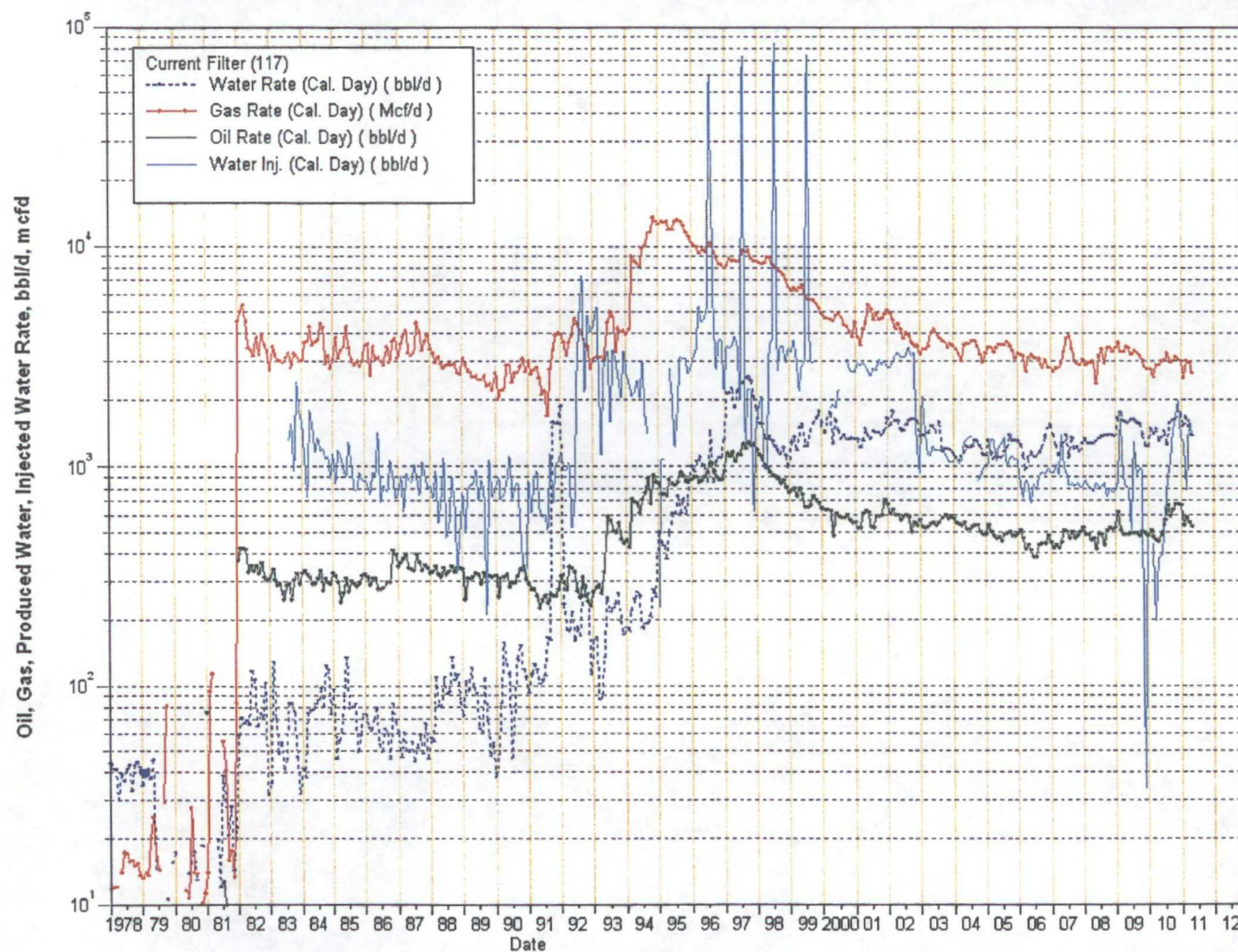
Warren Unit Water Flood Pilot: Cumulative Oil vs. Water-Oil Ratio



Warren Blinebry-Tubb PA

Current Filter (117)

Current Oil Cum. : 5563.1 Mbbl Current Gas Cum. : 49275.1 MMcf Current Water Cum. : 8824.9 Mbbl



Phillips

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Attachment 4 to 2011 Supplemental PLAN OF DEVELOPMENT

Date Performed	Unit Well #	Warren Unit Facility Projects (Not included are maintenance and temporary projects)
11/14/2006	Warren Unit # 317	PU, Wellhead & Flowline Installation
5/31/2007	Warren Unit # 35	PU_POC_Wellhead Installation
8/6/2007	Warren Unit	RR Crossing pipe lines upgrade
1/23/2008	Warren Unit # 84	PU_WH_POC Installation
5/5/2008	Warren Unit # 97	Pumping unit upgrade
5/5/2008	Warren Unit # 97	Wellhead Upgrade
5/29/2008	Warren Unit # 31	PU_WH_FL_POC_PWR install
6/23/2008	Warren Unit # 21	PU_WH_FL_POC_PWR install
6/23/2008	Warren Unit # 95	Well head installation
7/29/2008	Warren Unit # 84	Flowline Install
8/4/2008	Warren Unit # 83	PU_WH_FL_POC_PWR Install
8/22/2008	Warren Unit # 85	PU_WH_FL_Temp facility
10/7/2008	Warren Unit # 19	PU_WH_FL_POC Install
12/1/2008	Warren Unit # 322	PU_WH_FL_POC_PWR Install
12/8/2008	Warren Unit # 323	PU_WH_FL_POC_PWR Install
12/29/2008	Warren Unit # 324	PU_WH_FL_POC_PWR Install
3/6/2009	Warren Unit # 80	Injection Line Replace
11/16/2009	Warren Unit # 83	ESP Installation
1/15/2010	Warren Unit # 128	PU_WH_FL_PWR Installation
1/18/2010	Warren Unit Battery # 6	Tank Replacement
4/6/2010	Warren Unit	Central Sep Header upgrade MOC
4/7/2010	Warren Unit # 335	PU_WH_FL_PWR Install MOC
4/7/2010	Warren Unit # 336	PU_WH_FL_PWR Install MOC
4/7/2010	Warren Unit # 337	WU 337 PU_WH_FL_PWR Install MOC
4/7/2010	Warren Unit # 338	PU_WH_FL_PWR Install MOC
4/7/2010	Warren Unit # 345	PU_WH_FL_PWR Install MOC
4/7/2010	Warren Unit # 346	PU_WH_FL_PWR Install MOC
4/7/2010	Warren Unit # 347	PU_WH_FL_PWR Install MOC
4/7/2010	Warren Unit # 354	PU_WH_FL_PWR Install MOC
4/7/2010	Warren Unit # 355	PU_WH_FL_PWR Install MOC
4/7/2010	Warren Unit # 356	PU_WH_FL_PWR Install MOC
5/10/2010	Warren Unit	Bat 1 Env Sep_Gas Line Upgrade
6/1/2010	Warren Unit Battery # 1	Oil Tanks Level Xmitter Install
6/16/2010	Warren Unit	Central Prod Sep Upgrade
7/21/2010	Warren Unit # 110	SWD Line to Bat 1 Install MOC
9/8/2010	Warren Unit # 91	ESP_WH_PWR Install
1/3/2011	Warren Unit	FWKO Reconnect
1/7/2011	Warren Unit # 68	PU_WH_FL_PWR install
1/7/2011	Warren Unit	Pilot WF Injection System Install
2/9/2011	Warren Unit # 84	FL_PWR install
2/14/2011	Warren Unit # 53	PU_WH_FL_PWR Install
2/14/2011	Warren Unit # 55	PU_WH_FL_PWR Install
2/14/2011	Warren Unit # 64	PU_WH_FL_PWR Install
3/8/2011	Warren Unit # 91	ESP Recirculation line Install
3/9/2011	Warren Unit # 93	PU_WH_FL_ Install
4/6/2011	Warren Unit # 91	Install 3 in Gas_Oil line
4/21/2011	Warren Unit # 83	Turbine Meter Installation
4/25/2011	Warren Unit Battery # 5	SWD Pump Mtr_BP Valve install
6/27/2011	Warren Unit # 308	PU_WH_FL_PWR Install
7/21/2011	Warren Unit	East Sep Prd Hdr Addition
On Location	Warren Unit # 91	Temp Sep Unit 488 installation