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District IV

New Mexico
Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Form C-140
Originated 11/1/95

Submit Original
Plus 2 Copies
to appropriate
District Office

H-0602

7/20

APPLICATION FOR
QUALIFICATION OF WELL WORKOVER PROJECT
AND CERTIFICATION OF APPROVAL

THREE COPIES OF THIS APPLICATION AND ALL ATTACHMENTS MUST BE FILED WITH THE APPROPRIATE DISTRICT OFFICE OF THE OIL CONSERVATION DIVISION.

- I. Operator: Conoco Inc. OGRID #: 00 5073
Address: 10 Desta Drive, Suite 100W, Midland, TX 79705-4500
Contact Party: Sherry A. Cooper Phone: 915-686-6183
- II. Name of Well: Warren Unit #112 API #: 30 025324890000
Location of Well: Unit Letter G, 1930' Feet from the FNL line and 1980' feet from the FEL line.
Section 28, Township 20S, Range 38E, NMPM, Lea County
- III. Date Workover Procedures Commenced: 8-2-99
Date Workover Procedures were Completed: 8-2-99
- IV. Attach a description of the Workover Procedures undertaken to increase the production from the Well.
- V. Attach an estimate of the production rate of the Well (a production decline curve or other acceptable method, and table showing monthly oil and/or gas Project Production) based on at least twelve (12) months of established production which shows the future rate of production based on well performance prior to performing Workover.
- VI. Pool(s) on which Production Projection is based: Blinebry/Tubb Drinkard

VII. AFFIDAVIT:

State of Texas)
County of Midland) ss.

Sherry A. Cooper, being first duly sworn, upon oath states:

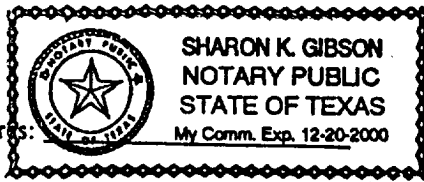
1. I am the Operator or authorized representative of the Operator of the above referenced Well.
2. I have made, or caused to be made, a diligent search of the production records which are reasonably available and contain information relevant to the production history of this Well.
3. To the best of my knowledge, the data used to prepare the Production Projection for this Well is complete and accurate and this projection was prepared using sound petroleum engineering principles.

Sherry A. Cooper
(Name)

Sr. Staff Financial Assistant
(Title)

mf

SUBSCRIBED AND SWORN TO before me this 8th day of June, 192000



Sharon K. Gibson
Notary Public

My Commission expires:

FOR OIL CONSERVATION DIVISION USE ONLY:

VIII. CERTIFICATION OF APPROVAL:

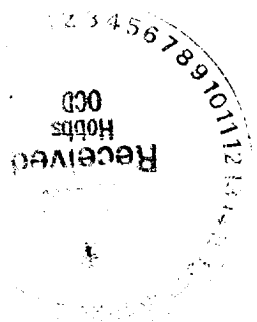
This Application for Qualification of Well Workover Project is hereby approved and the above referenced Well is designated as a Well Workover Project pursuant to the "Natural Gas and Crude Oil Production Incentive Act" (Laws 1995, Chapter 15, Sections 1 through 8). The Oil Conservation Division hereby verifies the Production Projection for the Well Workover Project attached to this application. By copy of this Application and Certification of Approval, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project has been completed as of 8-2, 1999

Paul Hantz
District Supervisor, District 1
Oil Conservation Division

Date: 7/24/2000

IX. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT.

DATE: _____

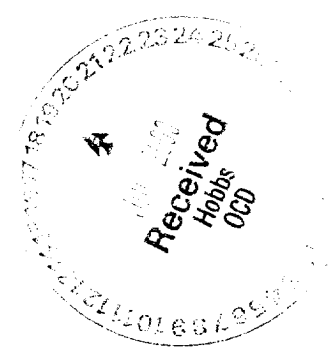


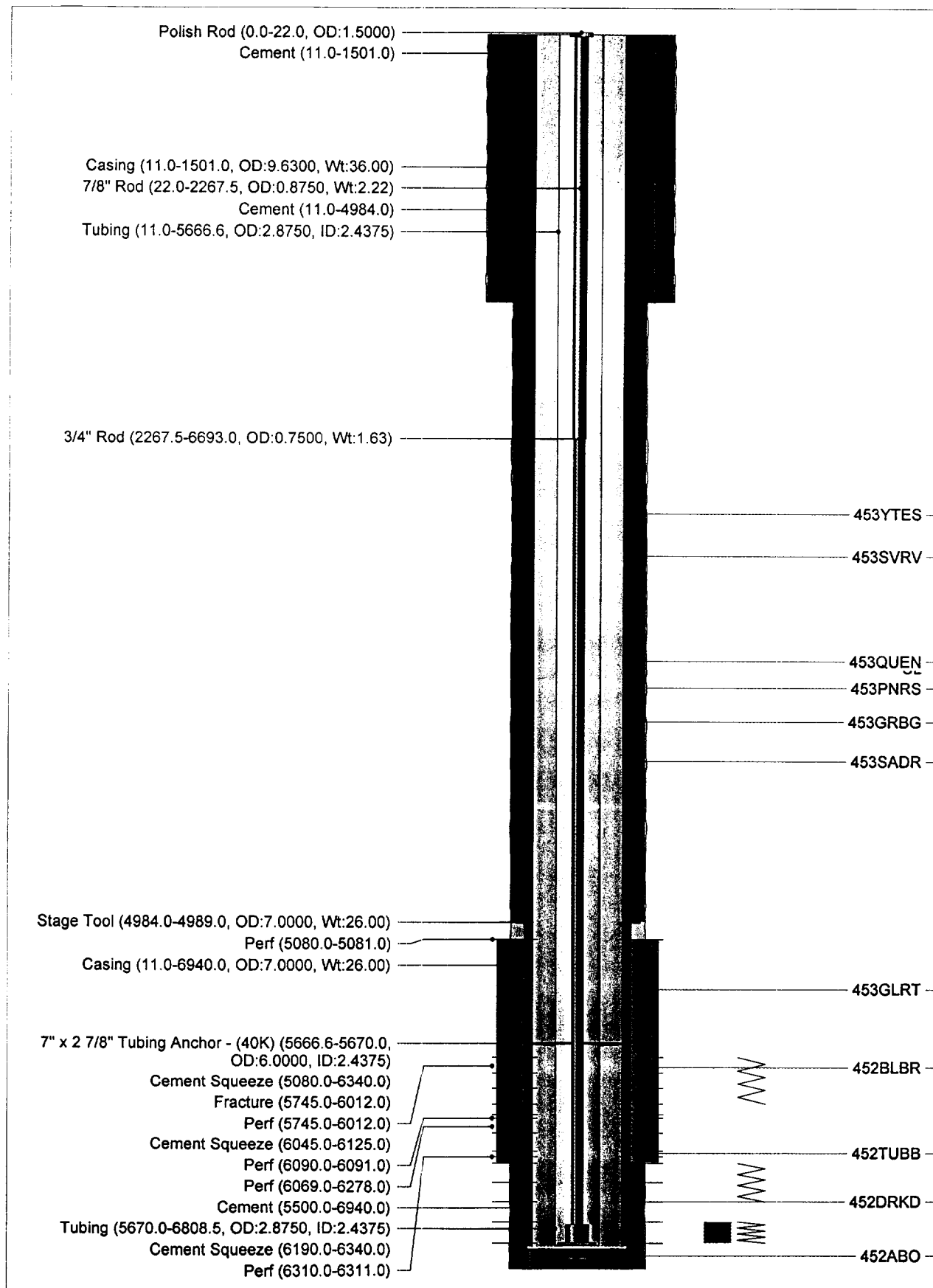
Approved
Hobbs
OGD

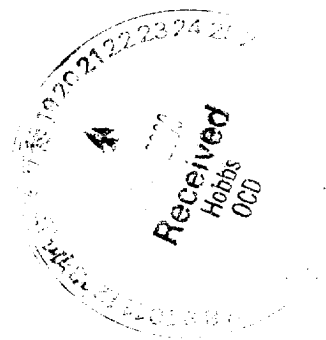
WARREN UNIT #112 (KLK 08/26/99)		
API No.	30025324890000	
Spud	6/4/1994	
Completion	8/25/1994	
Abandoned		
Frm. Prod.	452BLBR	
Well No.	112	
Field	WARREN	
Init. Well Class.	development well	
Status	2 OIL	
Permit		
RR		
Last Act.		
TD	6940.0 ftKB	
PBTD	6815.0 ftKB	
Operator	CONOCO INC	
Permit No.		
District	Hobbs O.U.	
Final Well Class.	multiple completion, oil	
Frm. at TD	452ABO	
Event History		
Description	Date	Event
12.2500in, Depth 1501.0ftKB	6/5/1994	Bore Hole
9.6300 in Casing, ID: 8.9200in, Jnts: 34	6/6/1994	Cas Run
With 700sx, Surface Casing, Top Found At 11.0ftKB	6/6/1994	Cas Cmmt
8.7500in, Depth 6940.0ftKB	6/22/1994	Bore Hole
1501.0 - 6910.0ftKB, Atlas, (TBRT) DUAL LATEROLOG, MICROLATEROLOG, 1501.0 - 6910.0ftKB, Atlas, DUAL LATEROLOG, MICRO LATEROLOG, GR-C, 2550.0 - 6872.0ftKB, Atlas, DEN/NEU, GR-C, 3840.0 - 6870.0ftKB, Atlas, PROLOG 2550.0 - 6888.0ftKB, Atlas, 200 Mhz DIELECTRIC, GR	6/23/1994	Log
7.0000 in Casing, ID: 6.2800in, Jnts: 115, 7.0000 in Stage Tool, ID: 6.2800in	6/24/1994	Log
With 1100sx, Production Casing, Top Found At 11.0ftKB, With 204sx, Production Casing, Top Found At 5500.0ftKB	6/25/1994	Cas Run
6830.0 - 6940.0ftKB, Cement Plug, OD: 6.5000in	6/25/1994	Cas Cmmt
2600.0 - 6815.0ftKB, Wedge Wireline, GR-CBL	6/25/1994	Other Run
6677.0 - 6798.0ftKB, 1.0/ft	7/7/1994	Log
6677.0 - 6798.0ftKB, Acid Squeeze	7/7/1994	Perf
6348.0 - 6563.0ftKB, 1.0/ft	7/8/1994	Stim/Treat
6348.0 - 6563.0ftKB, Fracture	7/12/1994	Perf
5080.0 - 5081.0ftKB, 4.0/ft, 6310.0 - 6311.0ftKB, 4.0/ft	7/13/1994	Stim/Treat
6190.0 - 6340.0ftKB, Cement Squeeze	7/15/1994	Perf
6069.0 - 6278.0ftKB, 1.0/ft	7/15/1994	Stim/Treat
6090.0 - 6091.0ftKB, 4.0/ft	7/16/1994	Perf
5080.0 - 6340.0ftKB, Cement Squeeze	7/19/1994	Perf
6045.0 - 6125.0ftKB, Cement Squeeze	7/20/1994	Stim/Treat
6000.0 - 6634.0ftKB, Temperature Evaluation Logging Co., Inc., After Frac	7/26/1994	Stim/Treat
6348.0 - 6563.0ftKB, Fracture	7/29/1994	Log
5500.0 - 6341.0ftKB, Temperature Evaluation Logging Co., Inc., After Frac	7/29/1994	Stim/Treat
6677.0 - 6798.0ftKB, Fracture	8/4/1994	Log
5745.0 - 6012.0ftKB, 1.0/ft	8/4/1994	Stim/Treat
5745.0 - 6012.0ftKB, Fracture	8/10/1994	Perf
6628.0 - 6631.0ftKB, ARROWSET ONE-X, ATTEMPTED TO PULL 4/99. RECOVERED ON/OFF TOOL & PROFILE NIPPLE. LEFT PACKER BODY IN THE HOLE.	8/12/1994	Stim/Treat
Washed over and recovered Packer on 08/04/99, OD: 6.5000in	8/23/1994	Fish Lost
As of 9/8/98, DHC order # 2089 has granted an allowable of 142 BO/ 284 BW / and NO LIMIT on gas for this well. To be allocated as follows: Warren Blinbry-Tubb 81% Oil 57% Gas Warren Drinkard 19% Oil 43% Gas	12/3/1998	Note
Convert from dual flowing well to single (DHC) plunger lift well. Unable to release & POH w/ArrowSet 1-X packer. Left packer at 6628' with 2" ID open, allowing Drinkard production to flow upward. Tubing SN set @ 6612', DHC & INSTALL PLUNGER LIFT EQ.	3/31/1999	Comp/WO
6" x 1500	4/9/1999	Note
2.8750 in TUBING, ID: 2.5000in, Jnts: 214, 2.8750 in SEATING NIPPLE, ID: 2.2813in, Jnts: 1, 2.8750 in 2-7/8" collar, ID: 2.2813in, 2.8750 in 2 7/8" Seating Nipple, ID: 2.2813in, Jnts: 1, 2.8750 in 2 7/8" Notched Collar, ID: 2.4375in, Jnts: 1	4/9/1999	Tub Run
Brought in from State E #10: Lufkin C320-256-144 @ 6.7 spm in 106" stroke, 20 hp, 1120 rpm, 365T frame, 34" gearbox sheave w/4-C210 belts.	8/1/1999	Note



Event History (con't)		
Description	Date	Event
MIRU - Closed plunger catcher w/plunger in catcher - Shut well in and removed Plunger Lift Controller - Rigged up pump truck and pumped 40 bbls. of 8.6 ppg brine down the tubing and 50 bbls. down the casing to kill well - Removed well head and installed BOP - Tested BOP to 1,000# - (Held) - POOH w/tubing - Picked up and RIH w/6 1/8" Shoe, 6'x6" Washpipe Extension, 4 3/4" Jars, and 4-4 3/4" Drill Collars on 2 7/8" tubing - Tagged top of fish @ 6,638' - Pulled up hole above perms. - Rigged up Reverse Unit - (500# on tubing and casing) - Bled down casing and pumped 50 bbls. of 8.6 PPG Brine - Dropped down to top of fish - Rigged up Power Swivel - Started washing over Packer while pump 8.6 PPG Brine water to cool mill - (Milled on Packer for 1 hr. - Packer came free) - Dropped down and tagged @ 6,810' - POOH - Picked up and RIH w/Overshot w/3 21/32" grapple, Jars, and 4-4 3/4" Drill Collars on 2 7/8" tubing - Latched onto fish @ 6,810' - POOH - (Dragging off and on) - Recovered Packer - Picked up and RIH w/2 7/8" Saw Tooth Collar, Seating Nipple, 37 jts. of 2 7/8" tubing, Tubing Anchor, and 182 jts. of 2 7/8" tubing - (Seating Nipple @ 6,810.20' - Tubing Anchor @ 5,670.05') - Set Tubing Anchor w/13 points tension - Picked up and RIH w/2 1/2" x 1 1/2" x 16' RHBC Type "B" pump w/3' PA Plunger, 4-1 1/2" K-Bars, 177 new 3/4" "C" rods and 90 new 7/8" "C" rods - spaced out pump - Loaded tubing and tested pump - RDMO, Convert From Plunger Lift To Rod Pump, Convert to Pumping Well	8/2/1999	Comp/WO
TUBING	8/2/1999	Tub Pull
SEATING NIPPLE	8/2/1999	Tub Pull
2-7/8" collar	8/2/1999	Tub Pull
6815.0 - 6830.0ftKB, Fill, OD: 6.5000in	8/3/1999	Other Run
2.8750 in Tubing, ID: 2.4375in, Jnts: 182, 6.0000 in 7" x 2 7/8" Tubing Anchor - (40K), ID: 2.4375in, Jnts: 1, 2.8750 in Tubing, ID: 2.4375in, Jnts: 37	8/4/1999	Tub Run
ARROWSET ONE-X, ATTEMPTED TO PULL 4/99. RECOVERED ON/OFF TOOL & PROFILE NIPPLE. LEFT PACKER BODY IN THE HOLE.	8/4/1999	Fish Rec
Washed over and recovered Packer on 08/04/99		
Polish Rod, 1.5000in, No: 1, 7/8" Rod, 0.8750in, No: 90, 3/4" Rod, 0.7500in, No: 177, 1 1/2" K-Bars, 1.5000in, No: 4, 2.5 x 1.5 RHBC 16' - 3, 2.5000in, No: 1, Srainer Nipple, 1.5500in, No: 1	8/5/1999	Rod Run
Long stroked pump - Pulled up and added 4'-7/8" sub and re-spaced pump - Hung well on - Loaded tubing and tested pump - RDMO, Re-Space Pump, Gen. Maint & Repair	8/19/1999	Comp/WO

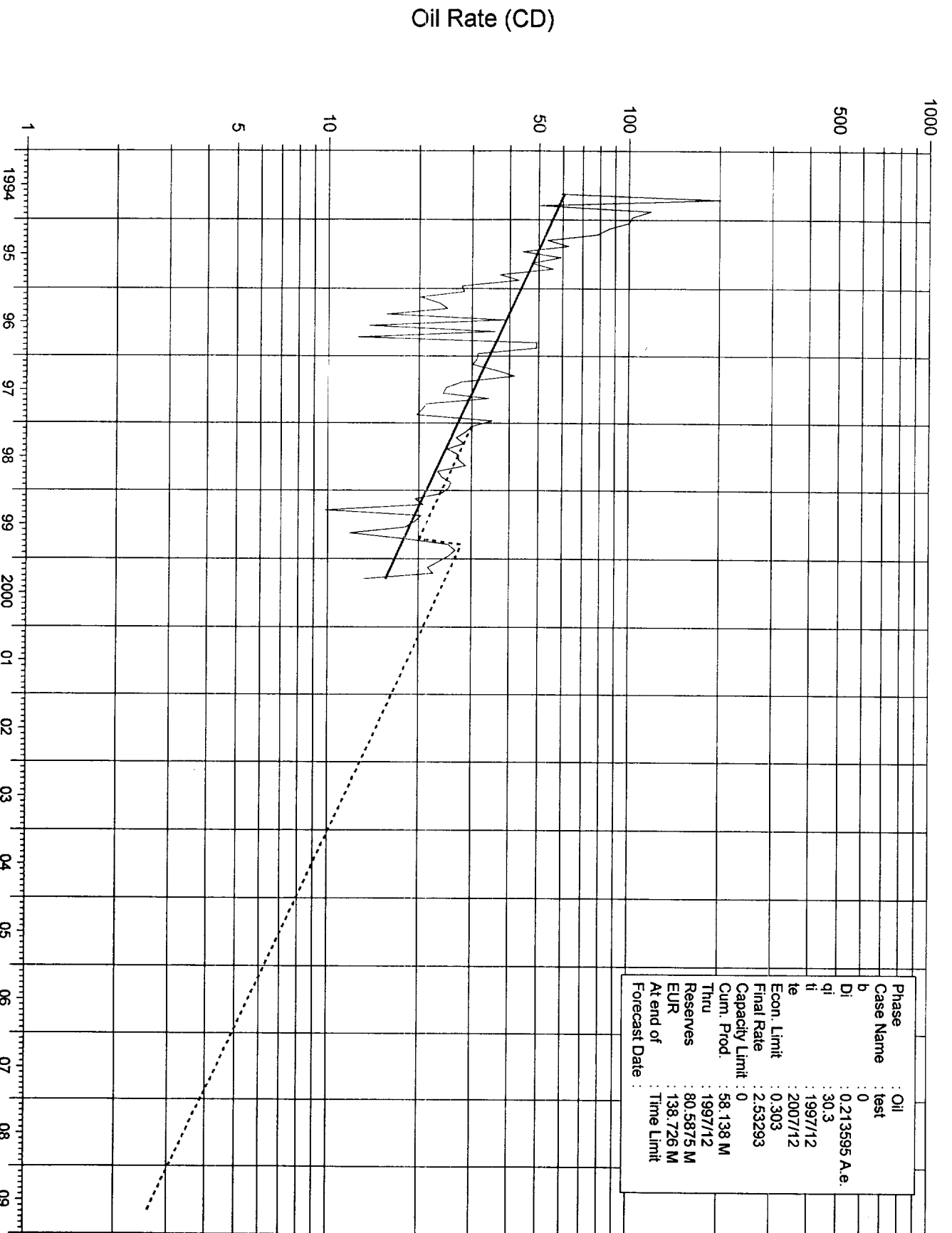






WARREN UNIT 112

Blineby Tubb Drinkard



Phase	: Oil
Case Name	: test
b	: 0
Di	: 0.213595 A.e.
qi	: 30.3
ti	: 1997/12
te	: 2007/12
Econ. Limit	: 0.303
Final Rate	: 2.53293
Capacity Limit	: 0
Cum. Prod.	: 58.138 M
Thru	: 1997/12
Reserves	: 80.5875 M
EUR	: 138.726 M
At end of	: Time Limit
Forecast Date	:

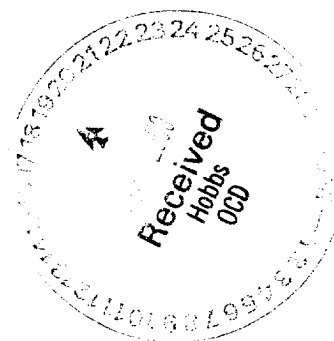


WARREN UNIT 112

DATE	Instant. End Rate bbls/d	Average Rate bbls/d	Monthly Volume Mbbls	Cumulative Volume Mbbls	Remaining Reserves Mbbls	
Schedule: #1						
1998/ 1	29.70	30.00	0.93	59.1	79.7	#1
1998/ 2	29.11	29.50	0.83	59.9	78.8	#1
1998/ 3	28.53	28.72	0.89	60.8	77.9	#1
1998/ 4	27.97	28.28	0.85	61.6	77.1	#1
1998/ 5	27.41	27.66	0.86	62.5	76.2	#1
1998/ 6	26.87	27.17	0.82	63.3	75.4	#1
1998/ 7	26.34	26.57	0.82	64.1	74.6	#1
1998/ 8	25.82	26.08	0.81	64.9	73.8	#1
1998/ 9	25.30	25.59	0.77	65.7	73.0	#1
1998/10	24.80	25.02	0.78	66.5	72.2	#1
1998/11	24.31	24.58	0.74	67.2	71.5	#1
1998/12	23.83	24.04	0.75	68.0	70.8	#1
1999/ 1	23.36	23.59	0.73	68.7	70.0	#1
1999/ 2	22.89	23.20	0.65	69.3	69.4	#1
1999/ 3	22.44	22.59	0.70	70.0	68.7	#1
1999/ 4	21.99	22.24	0.67	70.7	68.0	#1
1999/ 5	21.56	21.75	0.67	71.4	67.3	#1
1999/ 6	21.13	21.37	0.64	72.0	66.7	#1
1999/ 7	20.71	20.90	0.65	72.7	66.1	#1
1999/ 8	20.30	20.51	0.64	73.3	65.4	#1
1999/ 9	19.90	20.12	0.60	73.9	64.8	#1
1999/10	27.45	27.69	0.86	100.9	37.9	#1
1999/11	26.90	27.20	0.82	101.7	37.0	#1
1999/12	26.37	26.60	0.82	102.5	36.2	#1
2000/ 1	25.85	26.11	0.81	103.3	35.4	#1
2000/ 2	25.33	25.64	0.74	104.1	34.7	#1
2000/ 3	24.83	25.02	0.78	104.8	33.9	#1
2000/ 4	24.34	24.61	0.74	105.6	33.2	#1
2000/ 5	23.86	24.07	0.75	106.3	32.4	#1
2000/ 6	23.38	23.64	0.71	107.0	31.7	#1
2000/ 7	22.92	23.13	0.72	107.7	31.0	#1
2000/ 8	22.47	22.69	0.70	108.4	30.3	#1
2000/ 9	22.02	22.27	0.67	109.1	29.6	#1
2000/10	21.58	21.78	0.68	109.8	28.9	#1
2000/11	21.15	21.39	0.64	110.4	28.3	#1
2000/12	20.74	20.92	0.65	111.1	27.6	#1
2001/ 1	20.32	20.53	0.64	111.7	27.0	#1
2001/ 2	19.92	20.19	0.57	112.3	26.4	#1
2001/ 3	19.53	19.66	0.61	112.9	25.8	#1
2001/ 4	19.14	19.35	0.58	113.5	25.3	#1
2001/ 5	18.76	18.93	0.59	114.1	24.7	#1
2001/ 6	18.39	18.59	0.56	114.6	24.1	#1
2001/ 7	18.02	18.19	0.56	115.2	23.5	#1
2001/ 8	17.67	17.84	0.55	115.7	23.0	#1
2001/ 9	17.32	17.51	0.53	116.3	22.5	#1
2001/10	16.97	17.13	0.53	116.8	21.9	#1
2001/11	16.64	16.82	0.50	117.3	21.4	#1
2001/12	16.31	16.45	0.51	117.8	20.9	#1
2002/ 1	15.98	16.14	0.50	118.3	20.4	#1
2002/ 2	15.67	15.88	0.44	118.7	20.0	#1



2002/ 3	15.36	15.46	0.48	119.2	19.5	#1
2002/ 4	15.05	15.22	0.46	119.7	19.0	#1
2002/ 5	14.75	14.89	0.46	120.1	18.6	#1
2002/ 6	14.46	14.62	0.44	120.6	18.1	#1
2002/ 7	14.17	14.30	0.44	121.0	17.7	#1
2002/ 8	13.89	14.03	0.44	121.5	17.3	#1
2002/ 9	13.62	13.77	0.41	121.9	16.9	#1
2002/10	13.35	13.47	0.42	122.3	16.4	#1
2002/11	13.08	13.23	0.40	122.7	16.0	#1
2002/12	12.82	12.94	0.40	123.1	15.6	#1
2003/ 1	12.57	12.70	0.39	123.5	15.2	#1
2003/ 2	12.32	12.49	0.35	123.8	14.9	#1
2003/ 3	12.08	12.16	0.38	124.2	14.5	#1
2003/ 4	11.84	11.97	0.36	124.6	14.2	#1
2003/ 5	11.60	11.71	0.36	124.9	13.8	#1
2003/ 6	11.37	11.50	0.34	125.3	13.4	#1
2003/ 7	11.15	11.25	0.35	125.6	13.1	#1
2003/ 8	10.93	11.04	0.34	126.0	12.8	#1
2003/ 9	10.71	10.83	0.32	126.3	12.4	#1
2003/10	10.50	10.59	0.33	126.6	12.1	#1
2003/11	10.29	10.40	0.31	126.9	11.8	#1
2003/12	10.08	10.18	0.32	127.2	11.5	#1
2004/ 1	9.88	9.98	0.31	127.6	11.2	#1
2004/ 2	9.69	9.81	0.28	127.8	10.9	#1
2004/ 3	9.50	9.57	0.30	128.1	10.6	#1
2004/ 4	9.31	9.41	0.28	128.4	10.3	#1
2004/ 5	9.12	9.21	0.29	128.7	10.0	#1
2004/ 6	8.94	9.04	0.27	129.0	9.7	#1
2004/ 7	8.77	8.84	0.27	129.3	9.5	#1
2004/ 8	8.59	8.68	0.27	129.5	9.2	#1
2004/ 9	8.42	8.52	0.26	129.8	8.9	#1
2004/10	8.25	8.33	0.26	130.0	8.7	#1
2004/11	8.09	8.18	0.25	130.3	8.4	#1
2004/12	7.93	8.00	0.25	130.5	8.2	#1
2005/ 1	7.77	7.85	0.24	130.8	8.0	#1
2005/ 2	7.62	7.72	0.22	131.0	7.7	#1
2005/ 3	7.47	7.52	0.23	131.2	7.5	#1
2005/ 4	7.32	7.40	0.22	131.4	7.3	#1
2005/ 5	7.18	7.24	0.22	131.7	7.1	#1
2005/ 6	7.03	7.11	0.21	131.9	6.8	#1
2005/ 7	6.89	6.96	0.22	132.1	6.6	#1
2005/ 8	6.76	6.82	0.21	132.3	6.4	#1
2005/ 9	6.62	6.70	0.20	132.5	6.2	#1
2005/10	6.49	6.55	0.20	132.7	6.0	#1
2005/11	6.36	6.43	0.19	132.9	5.8	#1
2005/12	6.24	6.29	0.20	133.1	5.6	#1
2006/ 1	6.11	6.17	0.19	133.3	5.4	#1
2006/ 2	5.99	6.07	0.17	133.5	5.3	#1
2006/ 3	5.87	5.91	0.18	133.6	5.1	#1
2006/ 4	5.76	5.82	0.17	133.8	4.9	#1
2006/ 5	5.64	5.69	0.18	134.0	4.7	#1
2006/ 6	5.53	5.59	0.17	134.2	4.6	#1
2006/ 7	5.42	5.47	0.17	134.3	4.4	#1
2006/ 8	5.31	5.37	0.17	134.5	4.2	#1
2006/ 9	5.21	5.27	0.16	134.7	4.1	#1
2006/10	5.11	5.15	0.16	134.8	3.9	#1
2006/11	5.00	5.06	0.15	135.0	3.8	#1
2006/12	4.90	4.95	0.15	135.1	3.6	#1
2007/ 1	4.81	4.86	0.15	135.3	3.5	#1



2007/ 2	4.71	4.78	0.13	135.4	3.3	#1
2007/ 3	4.62	4.65	0.14	135.6	3.2	#1
2007/ 4	4.53	4.58	0.14	135.7	3.0	#1
2007/ 5	4.44	4.48	0.14	135.8	2.9	#1
2007/ 6	4.35	4.40	0.13	136.0	2.8	#1
2007/ 7	4.26	4.30	0.13	136.1	2.6	#1
2007/ 8	4.18	4.22	0.13	136.2	2.5	#1
2007/ 9	4.10	4.14	0.12	136.3	2.4	#1
2007/10	4.01	4.05	0.13	136.5	2.3	#1
2007/11	3.93	3.98	0.12	136.6	2.1	#1
2007/12	3.86	3.89	0.12	136.7	2.0	#1
Schedule: # 2						
2008/ 1	3.78	3.82	0.12	136.8	1.9	# 2
2008/ 2	3.71	3.75	0.11	136.9	1.8	# 2
2008/ 3	3.63	3.66	0.11	137.1	1.7	# 2
2008/ 4	3.56	3.60	0.11	137.2	1.6	# 2
2008/ 5	3.49	3.52	0.11	137.3	1.5	# 2
2008/ 6	3.42	3.46	0.10	137.4	1.4	# 2
2008/ 7	3.35	3.38	0.10	137.5	1.2	# 2
2008/ 8	3.29	3.32	0.10	137.6	1.1	# 2
2008/ 9	3.22	3.26	0.10	137.7	1.0	# 2
2008/10	3.16	3.19	0.10	137.8	0.9	# 2
2008/11	3.09	3.13	0.09	137.9	0.9	# 2
2008/12	3.03	3.06	0.09	138.0	0.8	# 2
2009/ 1	2.97	3.00	0.09	138.1	0.7	# 2
2009/ 2	2.91	2.95	0.08	138.1	0.6	# 2
2009/ 3	2.86	2.88	0.09	138.2	0.5	# 2
2009/ 4	2.80	2.83	0.08	138.3	0.4	# 2
2009/ 5	2.74	2.77	0.09	138.4	0.3	# 2
2009/ 6	2.69	2.72	0.08	138.5	0.2	# 2
2009/ 7	2.64	2.66	0.08	138.6	0.2	# 2
2009/ 8	2.58	2.61	0.08	138.6	0.1	# 2
2009/ 9	2.53	2.56	0.08	138.7	0.0	# 2



112 WARREN UNIT

State: NEW MEXICO
County: LEA
Operator: CONOCO INC
API: 30025324890001
Initial Class: D X
Target Objective: OIL
Final Well Class: DO
Status: OIL-WO
Field: WARREN
Permit: on 19990823
First Report Date: 19990823
Projected TD: 6975 Formation: DRINKARD /LM/
Hole Direction: VERTICAL
IP Summary: BLINEBRY
22 BPD 518 MCFD 37 BBL

Location

Section, Twp., Range: 28 20 S 38 E
Spot Code: SW NE
Footage NS, EW, Meridian: 1930 FNL 1980 FEL
Principal Meridian: NEW MEXICO

Lat/Long: 32.5458400 / -103.1508500 US
PBHL:
ABHL:

From Surface: TVD:
Footages N/S E/W, Deviation Azimuth

Dates and Depths

Spud: 19990525 Spud Date Code:
TD: 6940 on
LTD:
PlugBack Depth: 6830
Completed: 19990610
Formation @ TD: 452ABO Name: ABO /SH/
Ref. Elevation:
KB. Elevation:
Ground Elevation: 3540 GR
Contractor:
Rig Release Date: Rig #

IP # 001

Top Formation: BLINEBRY
Base Formation: DRINKARD /LM/
Oil: 22 BPD Condst:
Gas: 518 MCFD Water: 37 BBL
Interval: 5745 - 6789 GROSS Method: PUMPING
Duration of Test: 24 Hours Choke:
Oil: Gravity: GOR: 23545
Prod Method: PERF
Completed: O
Perforations: 452BLBR BLINEBRY
Perf Interval: 5745 - 6278 Shots/Ft:
Type of Perfs: Interval Perf Count:
Perforations: 452TUBBS TUBB /SD/
Perf Interval: 6348 - 6563 Shots/Ft:
1 of 2

