

District I - (505) 393-6161

PO Box 1980

Hobbs, NM 88241-1930

District II - (505) 748-1283

811 S. First

Artesia, NM 88210

District III - (505) 334-6178

1000 Rio Brazos Road

Aztec, NM 87410

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-0328

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 CONSERVATION DIVISION.

I. Operator: Texaco Exploration & Production Inc OGRID #: 022351

Address: 205 E. Bender Blvd.; Hobbs, New Mexico 88240

Contact Party: Paula S. Ives Phone #: (505) 397-0432

II. Name of Well: New Mexico "BZ" State NCT-10 #5 API #: 30 025 33089

Location of Well: Unit Letter K, 1650 Feet from the South line and 1650 feet from the West line,
Section 2, Township 25S, Range 37E, NMPM, Lea County

III. Date Workover Procedures Commenced: 05-01-97

Date Workover Procedures were Completed: 05-21-97

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: Justis; Blinbry; Tubb-Drinkard

VII. AFFIDAVIT:

State of N. M.)
) ss.

County of Lea)

Russell S. Pool, 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.
Restoration Project.
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.

DS Pool
(Name)

Senior Engineer, Hobbs Operating Unit
(Title)

SUBSCRIBED AND SWORN TO before me this _____ day of _____, 1997.

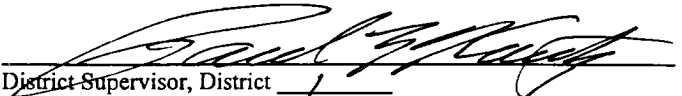
Notary Public Pam D. Hunt

My Commission expires: 9/13/97

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 8-21-97, 1997.



District Supervisor, District 1
Oil Conservation Division

Date: 2/2/97

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

7/1/97

Production Projection

Well Name & #:	New Mexico "BZ" State NCT-10 #5	Prior Oil Prod. Rate (BOPD):	13
Producing Formation:	Justis: Blinberry, Tubb-Drinkard	Oil Decline Factor:	0.951400901
Oil Decline Rate (%):	45	Prior Gas Prod. Rate (MCFGD):	281
Gas Decline Rate (%):	39		
Completion Date (m/yr):	May-97	Gas Decline Factor:	0.959645476

Month	Projected Oil Production	Projected Gas Production	Projected Cumulative Oil Production	Projected Cumulative Gas Production
May-97	395	8542	395	8542
Jun-97	376	8198	771	16740
Jul-97	358	7867	1129	24607
Aug-97	340	7549	1469	32156
Sep-97	324	7245	1793	39401
Oct-97	308	6952	2101	46353
Nov-97	293	6672	2394	53025
Dec-97	279	6403	2673	59428
Jan-98	265	6144	2938	65572
Feb-98	252	5896	3191	71468
Mar 98	240	5658	3431	77127
Apr-98	228	5430	3659	82557
May-98	217	5211	3877	87768
Jun-98	207	5001	4083	92766
Jul-98	197	4799	4280	97567
Aug 98	187	4605	4467	102172
Sep-98	178	4419	4646	106591
Oct-98	169	4241	4815	110832
Nov-98	161	4070	4976	114902
Dec-98	153	3906	5129	118808
Jan-99	146	3748	5275	122556
Feb-99	139	3597	5414	126152
Mar-99	132	3452	5546	129604
Apr-99	126	3312	5672	132916
May-99	120	3179	5792	136095
Jun-99	114	3050	5905	139145
Jul-99	108	2927	6013	142073
Aug-99	103	2809	6116	144882
Sep-99	98	2696	6214	147577
Oct-99	93	2587	6308	150164
Nov-99	89	2483	6396	152647
Dec-99	84	2382	6481	155029
Jan-00	80	2286	6561	157316
Feb-00	76	2194	6637	159510
Mar-00	72	2105	6710	161615
Apr-00	69	2020	6779	163636

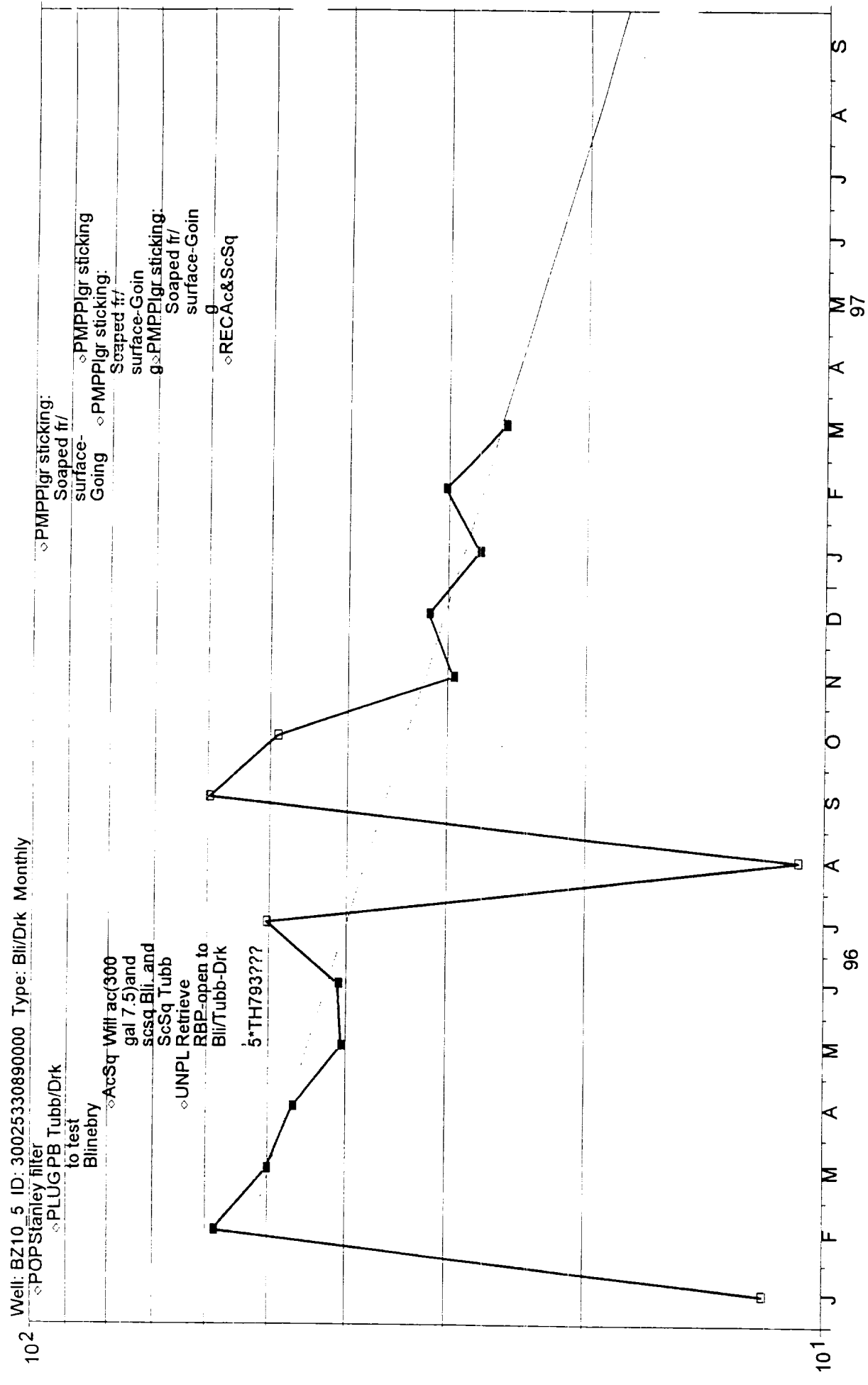
Production Projection

May-00	66	1939	6845	165575
Jun-00	63	1861	6907	167435
Jul-00	63	1861	6907	167435
Aug-00	60	1786	6967	169221
Sep-00	57	1714	7023	170934
Oct-00	54	1644	7077	172579
Nov-00	51	1578	7128	174157
Dec-00	49	1514	7177	175671
Jan-01	46	1453	7224	177125
Feb-01	44	1395	7268	178519
Mar-01	42	1338	7310	179858
Apr-01	40	1284	7350	181142
May-01	38	1233	7388	182374
Jun-01	36	1183	7424	183557
Jul-01	36	1183	7424	183557
Aug-01	34	1135	7458	184692
Sep-01	33	1089	7491	185781
Oct-01	31	1045	7522	186827
Nov-01	30	1003	7552	187830
Dec-01	28	963	7580	188792
Jan-02	27	924	7607	189716
Feb-02	26	886	7632	190603
Mar-02	24	851	7657	191453
Apr-02	23	816	7680	192270
May-02	22	783	7702	193053
Jun-02	21	752	7723	193805
Jul-02	21	752	7723	193805
Aug-02	20	721	7742	194527
Sep-02	19	692	7761	195219
Oct-02	18	664	7779	195883
Nov-02	17	638	7797	196521
Dec-02	16	612	7813	197133
Jan-03	16	587	7828	197720
Feb-03	15	564	7843	198284
Mar-03	14	541	7857	198824
May-03	13	519	7870	199343
May-03	13	498	7883	199841
Jun-03	12	478	7895	200319
Jul-03	11	459	7907	200778
Aug-03	11	440	7918	201218
Sep-03	10	422	7928	201640
Oct-03	10	405	7938	202046
Nov-03	9	389	7947	202435
Dec-03	9	373	7956	202808
Jan-04	9	358	7965	203166
Feb-04	8	344	7973	203510
Mar-04	8	330	7981	203840
May-04	7	317	7988	204156
May-04	7	304	7995	204460

Production Projection

Jun-04	7	292	8002	204751
Jul-04	6	280	8008	205031
Aug-04	6	268	8014	205300
Sep-04	6	258	8020	205557
Oct-04	5	247	8025	205804
Nov-04	5	237	8030	206042
Dec-04	5	228	8035	206269
Jan-05	5	218	8040	206488
Mar-05	4	210	8044	206698
Apr 05	4	201	8049	206899
May-05	4	193	8053	207092
May-05	4	185	8057	207277
Jun-05	4	178	8060	207455
Jul-05	3	171	8064	207626
Aug-05	3	164	8067	207789
Sep-05	3	157	8070	207947
Oct-05	3	151	8073	208097
Nov-05	3	145	8076	208242
Dec-05	3	139	8079	208381
Jan-06	3	133	8081	208514
Mar-06	2	128	8084	208642
Apr-06	2	123	8086	208765
May-06	2	118	8088	208883
May-06	2	113	8090	208996
Jun-06	2	108	8092	209104
Jul-06	2	104	8094	209208
Aug-06	2	100	8096	209308
Sep-06	2	96	8098	209404
Oct-06	2	92	8100	209496
Nov-06	2	88	8101	209584
Dec-06	1	85	8103	209669
Jan-07	1		8104	209669
Mar-07	1		8105	209669
Apr-07	1		8107	209669
May-07	1		8108	209669
May-07	1		8109	209669
Jun-07	1		8110	209669
Jul-07	1		8111	209669
Aug-07	1		8112	209669
Sep-07	1		8113	209669
Oct-07	1		8114	209669
Dec-07	1		8115	209669
Jan-08	1		8116	209669
Feb-08	1		8117	209669
Mar-08	1		8117	209669
Apr-08	1		8118	209669
May-08	1		8119	209669
May 08	1		8119	209669
Jun-08	1		8120	209669

NIVI DZ-10 #3 C.I Pump Sticking 4/25/97

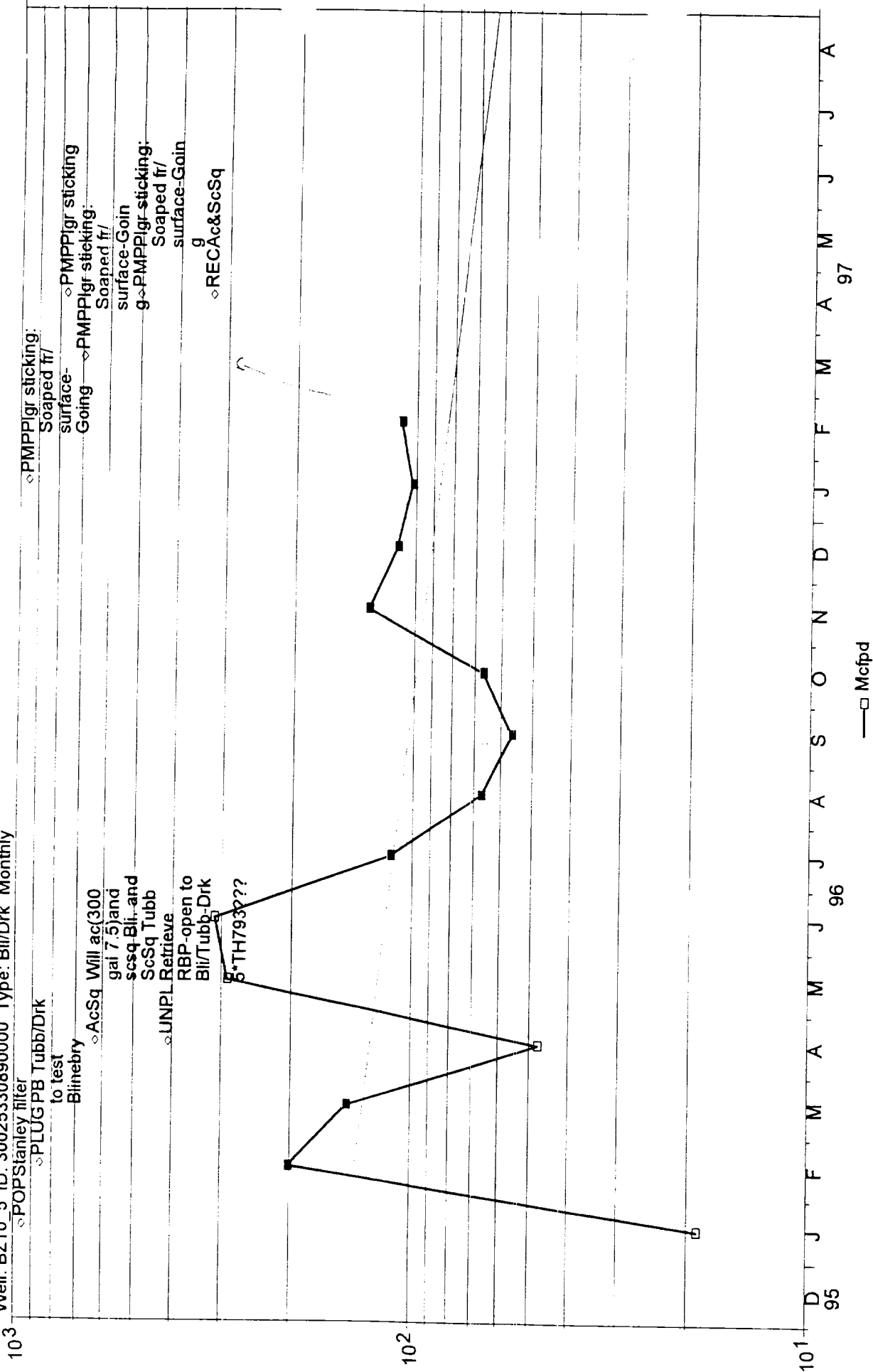


Decline, 1/yr: Exp, 0.66
 Recast Decline, 1/yr: Exp, 0.66
 Origin Date, Rate: 19970301, 25.75
 End Date, Rate, Yrs: 20020301, 0.94, 5.00
 :maining: 13697.50

De = 45%/yr. 13 BOPD 4/97

NMI BZ-10 #5: GAS Pump Sticking 4/25/97

Well: BZ10_5 ID: 30025330890000 Type: Bli/Drk Monthly



Decline, 1/yr:
recast Decline, 1/yr:
gin Date, Rate:
d Date, Rate, Yrs:
maining:

Exp, 0.49
Exp, 0.49
19970201, 83.46
20020201, 7.03, 5.00
56420.55

DE = 297/yr use 281 mcr po 4/97

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240
DISTRICT II
P.O. Box Drawer DD, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO. 30-025-33089	
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil / Gas Lease No.	
7. Lease Name or Unit Agreement Name NEW MEXICO 'BZ' STATE NCT-10	
8. Well No. 5	
9. Pool Name or Wildcat JUSTIS; BLINEBRY-TUBB-DRINKARD	

SUNDRY NOTICES AND REPORTS ON WELL (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER ☐	
2. Name of Operator ✓ TEXACO EXPLORATION & PRODUCTION INC.	
3. Address of Operator 205 E. Bender, HOBBS, NM 88240	
4. Well Location Unit Letter <u>K</u> : <u>1650</u> Feet From The <u>SOUTH</u> Line and <u>1650</u> Feet From The <u>WEST</u> Line Section <u>2</u> Township <u>25-S</u> Range <u>37-E</u> NMPM <u>LEA</u> COUNTY	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) <u>3152'</u>	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPERATION ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐		CASING TEST AND CEMENT JOB ☐	
OTHER: ☐		OTHER: ☐	Acidize & Scale Squeeze ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

05-01-97: MIRU. Pump stuck. Back off rods. Start stripping out.
 05-02-97: Install BOP. Finish stripping out rods. TOH w/pump & tubing. Shut in.
 05-03-97: TAG @ 6218'.
 05-05-97: TIH W/bit, csg scrapper to 6355'. Well check tbg. TIH W/RBP & PKR. Tested to 5000#. SET RBP @ 6275' & test to 500# OK. Move PKR up to 6094' & set. SDFN
 5-06-97: Dowell acidized casing perfs, 6123'-6250', Drinkard Zone, w/2000 gal 15% NE-FE using Ball Sealers. Flush w/38 bbls 2% KCL fresh water. Max pres=1205 psi. Min pres=780 psi. ISIP=450 psi. On Vacuum in 3 minutes. Avg rate=4.5 BPM. Release packer & RBP. Reset RBP @6094' & packer @5842'. Dowell acidize casing perfs, 5919'-6040', Tubb Zone w/1500 gal 15% NE-FE in 1 stage. Flush w/35 Bbls 2% KCL fresh water. Max pres=22 psi. Min pres=Vacuum. ISIP=Vacuum. Avg rate=4.0 BPM. Release packer & RBP. Reset RBP @5653' & packer @5371'. Dowell acidize casing perfs, 5432'-5609', Lower Blinebry Zone, w/2000 gal 15% NE-FE using ball sealers. Flush w/36 bbls 2% KCL fresh water. Max pres=1028 psi. Min pres=950 psi. ISIP=600 psi. On Vacuum in 2 min. Avg rate=4.5 BPM. Release packer & RBP. Reset RBP @5309' & Packer @5152'. Shut in.
 5-07-97: Dowell acidized Upper Blinebry perfs, 5190'-5257', w/1500 gal 15% NE-FE in 1 stage. Flush w/34 bbls 2% KCL fresh water. Max pres=725 psi. Min pres=0 psi. ISIP=Vacuum. Avg rate=2.2 BPM. Release packer & RBP. Reset RBP @6275' & pkr @5842'. Swab 5 hrs. Recovered 2 Oil & 42 Water. PH to 6.0. XL Scale Squeezed casing perfs, 5919'-6250', Tubb-Drinkard Zones, w/10 gal TW-430 mixed in 20 bbls 2% KCL fresh water, 2 Drums Techni-Hib 793 mixed in 20 bbls 2% KCL fresh water, & 10 gal TW-467 mixed in 200 bbls 2% KCL fresh water flush. Shut in.
 05-08-97: Tbg pres this am=80 psi. Casing pres=200 psi. Release packer & RBP. Reset RBP @5842' & packer @5152'. Swab 5 hrs. Recovered 1 Oil, 19 water & Good Gas. PH=6.0. XL Scale Squeezed Blinebry perfs, 5190'-5609', w/10 gal TW-430 mixed in 20 bbls 2% KCL fresh water, 2 drums Techni-Hib 793 mixed in 20 bbls 2% KCL fresh water, & w/10 gal TW-467 mixed in 200 bbls 2% KCL fresh water flush. Shut in.
 05-09-97: Release packer & RBP. POH. Ran production equipment. Remove BOP. Land Bottom of MA @6360', pump and rods. Load & test tbg. Rig down. On production at 3:30 pm.
 05-10-97 thru 5-20-97: Pumping & testing.
 05-21-97: On 24 hour POTENTIAL TEST ending 10:00 am. Pumped 15 Bbls Oil, 55 Bbls Water, & 372 mcf Gas.

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

SIGNATURE Paula S. Ives TITLE Engineering Assistant DATE 5/29/97

TYPE OR PRINT NAME Paula S. Ives Telephone No. 397-0432

(This space for State Use)

APPROVED BY Paul Kautz TITLE Geologist DATE MAY 04 1997

CONDITIONS OF APPROVAL, IF ANY: