

District I - (505) 393-6161

PO Box 1900

Hobbs, NM 88241-1980

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-0419

**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 Ives Phone #: (505) 397-0432
- II. Name of Well: West Dollarhide Drinkard Unit #81 API #: 30 025 12385
Location of Well: Unit Letter E, 1650 Feet from the North line and 990 feet from the West line,
Section 5, Township 25S, Range 38E, NMPM, Lea County
- III. Date Workover Procedures Commenced: 03-17-97
Date Workover Procedures were Completed: 03-21-97
- IV. Attach a description of the Workover Procedures undertaken to increase the projection from the Well.
Please see attached.
- 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: Dollarhide; 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.

(Name)

Senior Engineer Hobbs Operating Unit

(Title)

mp

West Dollarhide Drinkard Unit #81

SUBSCRIBED AND SWORN TO before me this 9th day of February, 1998.

John Ayers
Notary Public John Ayers

My Commission expires: 2/29/2000

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 3-21-97, 19 .

Paul J. Rantz
District Supervisor, District 1
Oil Conservation Division **Geologist**
Date: 2/12/98

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

Production Projection

Well Name & #:

West Dollarhide Drinkard Unit #81

Prior Oil Prod. Rate (BOPD):

8

Producing Formation:

Dollarhide, Tubb-Drinkard

Oil Decline Factor:

0.972995971

Oil Decline Rate (%):

28

Prior Gas Prod. Rate (MCFGD):

2

Gas Decline Rate (%):

58

Completion Date (m/yr):

Mar-97

Gas Decline Factor:

0.930259489

Month	Projected Oil Production	Projected Gas Production	Projected Cumulative Oil Production	Projected Cumulative Gas Production
Mar-97	243	61	243	61
Apr-97	237	57	480	117
May-97	230	53	710	170
Jun-97	224	49	934	219
Jul-97	218	46	1152	264
Aug-97	212	42	1364	307
Sep-97	206	39	1571	346
Oct-97	201	37	1771	383
Nov-97	195	34	1967	417
Dec-97	190	32	2157	449
Jan-98	185	30	2342	478
Feb-98	180	27	2522	506
Mar-98	175	26	2697	531
Apr-98	170	24	2867	555
May-98	166	22	3033	577
Jun-98	161	21	3194	598
Jul-98	157	19	3351	617
Aug-98	153	18	3504	635
Sep-98	149	17	3652	651
Oct-98	145	15	3797	666
Nov-98	141	14	3938	681
Dec-98	137	13	4075	694
Jan-99	133	12	4208	706
Feb-99	130	12	4337	718
Mar-99	126	11	4463	729
Apr-99	123	10	4586	739
May-99	119	9	4705	748
Jun-99	116	9	4822	757
Jul-99	113	8	4935	765
Aug-99	110	7	5045	772
Sep-99	107	7	5151	779
Oct-99	104	6	5256	786
Nov-99	101	6	5357	792
Dec-99	99	6	5455	797
Jan-00	96	5	5551	802
Feb-00	93	5	5645	807

Production Projection

Mar-00	91			5735	812
Apr-00	88	5		5824	816
May-00	88	4		5824	816
Jun-00	86	4		5910	820
Jul-00	84	4		5993	823
Aug-00	81	3		6075	827
Sep-00	79	3		6154	830
Oct-00	77	3		6231	833
Nov-00	75	3		6306	836
Dec-00	73	3		6379	838
Jan-01	71	2		6450	840
Feb-01	69	2		6519	843
Mar-01	67	2		6586	845
Apr-01	65	2		6651	847
May-01	65	2		6651	847
Jun-01	64	2		6715	848
Jul-01	62	2		6777	850
Aug-01	60	2		6837	851
Sep-01	59	1		6895	853
Oct-01	57	1		6952	854
Nov-01	55	1		7008	855
Dec-01	54	1		7062	857
Jan-02	53	1		7114	858
Feb-02	51	1		7165	859
Mar-02	50	1		7215	860
Apr-02	48	1		7263	860
May-02	48	1		7263	860
Jun-02	47	1		7311	861
Jul-02	46	1		7356	862
Aug-02	45	1		7401	863
Sep-02	43	1		7444	863
Oct-02	42	1		7486	864
Nov-02	41	1		7527	864
Dec-02	40	1		7567	865
Jan-03	39	0		7606	865
Feb-03	38	0		7644	866
Mar-03	37	0		7681	866
Apr-03	36	0		7717	867
May-03	35	0		7751	867
Jun-03	34	0		7785	867
Jul-03	33	0		7818	868
Aug-03	32	0		7850	868
Sep-03	31	0		7882	868
Oct-03	30	0		7912	868
Nov-03	30	0		7941	869
Dec-03	29	0		7970	869
Jan-04	28	0		7998	869
Feb-04	27	0		8025	869
Mar-04	26	0		8052	869

Production Projection

Apr-04	26	0	8078	870
May-04	25	0	8103	870
Jun-04	24	0	8127	870
Jul-04	24	0	8151	870
Aug-04	23	0	8174	870
Sep-04	22	0	8196	870
Oct-04	22	0	8218	870
Nov-04	21	0	8240	871
Dec-04	21	0	8260	871
Jan-05	20	0	8280	871
Feb-05	20	0	8300	871
Mar-05	19	0	8319	871
Apr-05	19	0	8338	871
May-05	18	0	8356	871
Jun-05	18	0	8373	871
Jul-05	17	0	8390	871
Aug-05	17	0	8407	871
Sep-05	16	0	8423	871
Oct-05	16	0	8439	871
Nov-05	15	0	8454	871
Dec-05	15	0	8469	871
Jan-06	15	0	8484	871
Feb-06	14	0	8498	871
Mar-06	14	0	8511	871
Apr-06	13	0	8525	871
May-06	13	0	8538	871
Jun-06	13	0	8550	871
Jul-06	12	0	8563	871
Aug-06	12	0	8575	872
Sep-06	12	0	8586	872
Oct-06	11	0	8598	872
Nov-06	11	0	8609	872
Dec-06	11	0	8619	872
Jan-07	10	0	8630	872
Feb-07	10	0	8640	872
Mar-07	10	0	8650	872
Apr-07	10	0	8660	872
May-07	9	0	8669	872
Jun-07	9	0	8678	872
Jul-07	9	0	8687	872
Aug-07	9	0	8695	872
Sep-07	8	0	8704	872
Oct-07	8	0	8712	872
Nov-07	8	0	8720	872
Dec-07	8	0	8728	872
Jan-08	8	0	8735	872
Feb-08	7	0	8743	872
Mar-08	7	0	8750	872
Apr-08	7	0	8757	872

Production Projection

May-08	7	0	8763	872
Jun-08	7	0	8770	872
Jul-08	6	0	8776	872
Aug-08	6	0	8782	872
Sep-08	6	0	8788	872
Oct-08	6	0	8794	872
Nov-08	6	0	8800	872
Dec-08	6	0	8806	872
Jan-09	5	0	8811	872
Feb-09	5	0	8816	872
Mar-09	5	0	8821	872
Apr-09	5	0	8826	872
May-09	5	0	8831	872
Jun-09	5	0	8836	872
Jul-09	5	0	8841	872
Aug-09	4	0	8845	872
Sep-09	4	0	8849	872
Oct-09	4	0	8854	872
Nov-09	4	0	8858	872
Dec-09	4	0	8862	872
Jan-10	4	0	8866	872
Feb-10	4	0	8869	872
Mar-10	4	0	8873	872
Apr-10	4	0	8877	872
May-10	3	0	8880	872
Jun-10	3	0	8884	872
Jul-10	3	0	8887	872
Aug-10	3	0	8890	872
Sep-10	3	0	8893	872
Oct-10	3	0	8896	872
Nov-10	3	0	8899	872
Dec-10	3	0	8902	872
Jan-11	3	0	8905	872
Feb-11	3	0	8908	872
Mar-11	3	0	8910	872
Apr-11	3	0	8913	872
May-11	3	0	8915	872
Jun-11	2	0	8918	872
Jul-11	2	0	8920	872
Aug-11	2	0	8923	872
Sep-11	2	0	8925	872
Oct-11	2	0	8927	872
Nov-11	2	0	8929	872
Dec-11	2	0	8931	872
Jan-12	2	0	8933	872
Feb-12	2	0	8935	872
Mar-12	2	0	8937	872
Apr-12	2	0	8939	872
May-12	2	0	8941	872

Production Projection

Jun-12	2	0	8943	872
Jul-12	2	0	8944	872
Aug-12	2	0	8946	872
Sep-12	2	0	8948	872
Oct-12	2	0	8949	872
Nov-12	2	0	8951	872
Dec-12	1	0	8952	872
Jan-13	1	0	8954	872
Feb-13	1	0	8955	872
Mar-13	1	0	8956	872
Apr-13	1	0	8958	872
May-13	1	0	8959	872
Jun-13	1	0	8960	872
Jul-13	1	0	8962	872
Aug-13	1	0	8963	872
Sep-13	1	0	8964	872
Oct-13	1	0	8965	872
Nov-13	1	0	8966	872
Dec-13	1	0	8967	872
Jan-14	1	0	8968	872
Feb-14	1	0	8969	872
Mar-14	1	0	8970	872
Apr-14	1	0	8971	872
May-14	1	0	8972	872
Jun-14	1	0	8973	872
Jul-14	1	0	8974	872
Aug-14	1	0	8975	872
Sep-14	1	0	8976	872
Oct-14	1	0	8977	872
Nov-14	1	0	8977	872
Dec-14	1	0	8978	872
Jan-15	1	0	8979	872
Feb-15	1	0	8980	872
Mar-15	1	0	8980	872
Apr-15	1	0	8981	872
May-15	1	0	8982	872
Jun-15	1	0	8982	872
Jul-15	1	0	8983	872
Aug-15	1	0	8984	872
Sep-15	1	0	8984	872
Oct-15	1	0	8985	872
Nov-15	1	0	8985	872
Dec-15	1	0	8986	872
Jan-16	1	0	8987	872
Feb-16	1	0	8987	872
Mar-16	1	0	8988	872
Apr-16	1	0	8988	872
May-16	0	0	8989	872
Jun-16	0	0	8989	872

WDDU #81: OIL Severance Credit (6/10/97)

102 Well: 81 ID: 3002512385 Type: OIL Monthly

◊PMPB&S-wear

◊HIT 6550'-int

◊OPT 150/23W/5

1ft above
SN

◊RODBox

break@25

0',Ac Dtk.

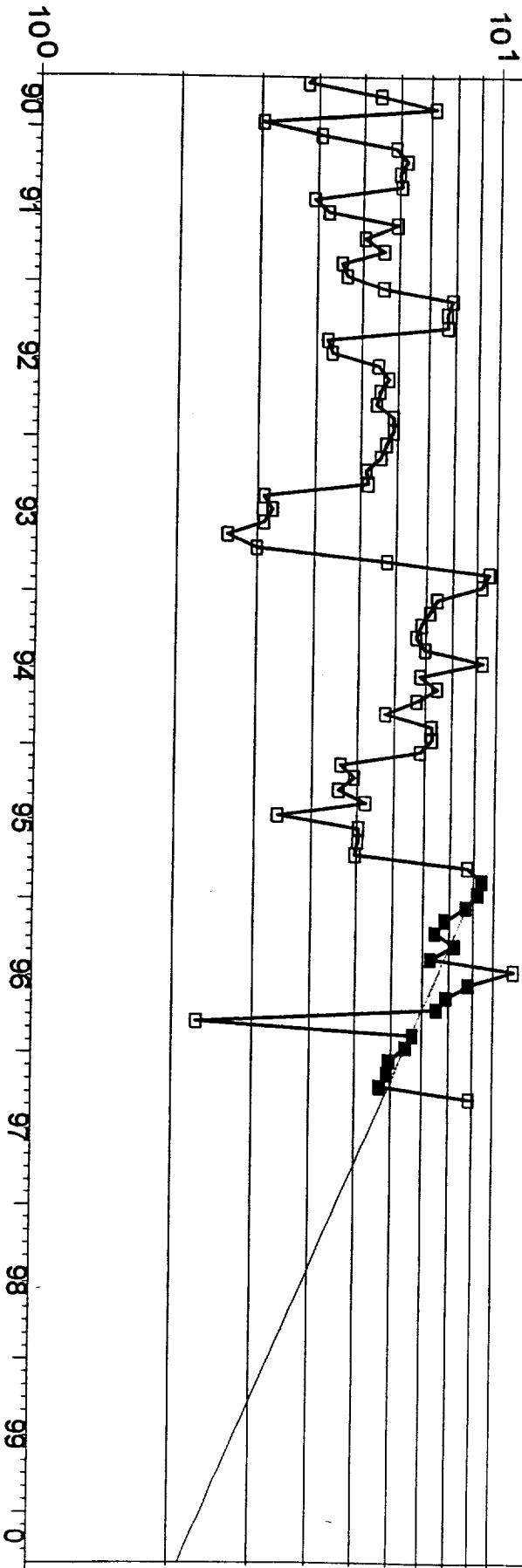
3.5M

15%,2*TH

793 w/

Flush's

◊Mise Switch to
TH3036(C
orr_inh.)



Effective Decline = 28.1%

Cum stream: Cumoil, 269756.0
Fit Decline, 1/yr: Exp, 0.33
Forecast Decline, 1/yr: Exp, 0.33
Begin Date, Rate: 19970301, 5.95
End Date, Rate, Yrs: 20070301, 0.22, 10.00
Cum at Begin: 269490.00
Remaining: 6327.10
Total Reserves: 275817.10

WDDU #81: GAS Severance Credit (6/10/97)

102 Well: 81 ID: 3002512385 Type: OIL Monthly

◊ HIT 6550'-int
1ft above
SN

◊ ROD Box

break@25
0' Ac Dtk.

3.5M

15%, 2" TH

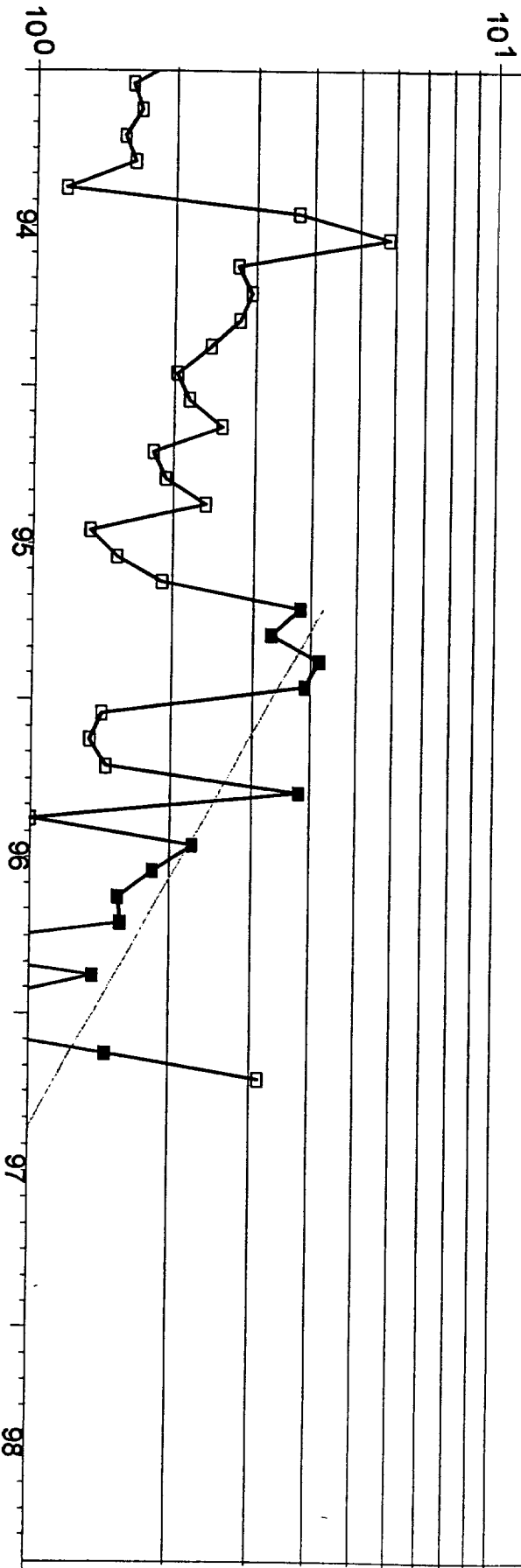
793 w/

Flush's

◊ OPT 150/23W/5

9

◊ Misc Switch to
TH3036(C
orr_Inh.)



—□ Mcf/d

Effective Decline = 58%

Cum stream: Cumgas, 345158.0
Fit Decline, 1/yr:
Forecast Decline, 1/yr:
Exp, 0.88
Begin Date, Rate:
End Date, Rate, Yrs:
Cum at Begin:
Remaining:
Total Reserves:

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 12385

5. Indicate Type of Lease

STATE ☒

FEE ☐

6. State Oil / Gas Lease No.

B-9312-5

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 E : 1650 Feet From The NORTH Line and 990 Feet From The WEST Line
Section 5 Township 25S Range 38E NMPM LEA COUNTY

7. Lease Name or Unit Agreement Name
WEST DOLLARHIDE DRINKARD UNIT

8. Well No.
81

9. Pool Name or Wildcat
DOLLARHIDE; TUBB/DRINKARD

10. Elevation (Show whether DF, RKB, RT,GR, etc.)

11. 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 ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPERATION ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☒ Acidize

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.

3-17-97: MIRU. TOH W/ RODS AND PUMP. ND WELLHEAD NU BOP. RD

3-18-97: TIH W/ BIT ON CSG SCRAPER TO 1200' SDFN

3-19-97: CONTINUE TIH WBIT & SCRAPER, TBG TAG 6580'. TOH. TIH W/PKR & SET @ 6344'. LOAD & TEST BACKSIDE TO 500#. SDFN

ACIDIZE DRINKARD LINER PERFS 6392-6535 W/ 3500 GALS 15% NEFE HACL & 1250# ROCK SALT IN 5 STAGES. 1ST

BLOCK=0, 2ND=600#, 3RD=600#, 4TH=400#. MAX PRESS=2530#, MIN

PRESS=2100#, AIR=48BPM, ISIP=1372#, 5MSIP=1249#, 10MSIP=1194#, 15MSIP=1139#. SI 1HR. 700#TP. BLED OFF. RU SWAB FLUID LEVEL @

SURFACE. SWABBED 6 HRS RECOVERED 90BBLs LOAD. RD SWAB. SCALE SQUEEZE PERFS W/ UNICHEM-10 GALS TW-430 MIXED IN 20BBLs

PRODUCED WATER THEN 110 GALS TH-793 IN 20 BBLs FRESH WATER. FLUSH W/ 10 GALS TW-467 MIXED IN 200 BBLs PRODUCED WATER.

SI WELL, SDFN

3-21-97: BLED OF PSI, RELEASE PKR & TOH. TIH W/ PRODUCTION EQUIPMENT, BOTTOM OF MA @ 6539", TIH W/ PUMP AND RODS, RIG DOWN.

3-21-97 THRU 03-26-97: PUMPING & TESTING.

3-27-97: ON 24 HOUR POTENTIAL TEST ENDING 10:00 am. RECOVERED 15 BBLs OIL, 23 BBLs WATER, & 5 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 5/16/97

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

ORIGINAL SIGNED BY CHRIS WILLIAMS
DISTRICT I SUPERVISOR

APPROVED BY _____ TITLE _____ DATE JUN 09 1997

CONDITIONS OF APPROVAL, IF ANY: