

District I - (505) 393-6161
PO Box 1980
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-0430 2-2-97

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: Vacuum Grayburg San Andres Unit #13 API #: 30 025 02260
Location of Well: Unit Letter P, 660 Feet from the South line and 660 feet from the East line,
Section 1, Township 18S, Range 34, NMPM, Lea County
- III. Date Workover Procedures Commenced: 07-21-97
Date Workover Procedures were Completed: 07-27-97
- 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: Vacuum Grayburg San Andres
- VII. AFFIDAVIT:

State of N. M.
) ss.
County of Lea

Russell S. Pool, being first duly sworn, upon oath states:

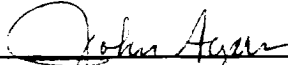
1. I am the Operator or authorized representative of the Operator of the above referenced Well.
2. I have made, or caused to be made, a diligent search of the production records which are reasonably
available and contain information relevant to the production history of this Well.
Restoration Project.
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.

[Signature]
(Name)

Senior Engineer Hobbs Operating Unit
(Title)

Vacuum Grayburg San Andres Unit #13

SUBSCRIBED AND SWORN TO before me this 19th day of February, 1998.

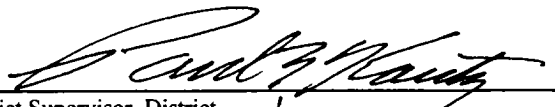

Notary Public John Ayers

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 07-27-97, 1997.


District Supervisor, District 1
Oil Conservation Division **Geologist**
Date: 2/25/98

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

Production Projection

Well Name & #:	Vacuuum Grayburg San Andres Unit #13	Prior Oil Prod. Rate (BOPD):	45
Producing Formation:	Vacuuum Grayburg San Andres	Oil Decline Factor:	
Oil Decline Rate (%):	36	Prior Gas Prod. Rate (MCFGD):	5
Gas Decline Rate (%):	18		
Completion Date (m/yr):	Jul-97	Gas Decline Factor:	0.963698321

Month	Projected Oil Production	Projected Gas Production	Projected Cumulative Oil Production	Projected Cumulative Gas Production
Jul-97	1368	152	1368	152
Aug-97	1317	150	2685	302
Sep-97	1269	147	3954	449
Oct-97	1222	145	5176	593
Nov-97	1176	142	6352	736
Dec-97	1133	140	7485	876
Jan-98	1091	138	8576	1013
Feb-98	1051	135	9627	1149
Mar-98	1012	133	10638	1282
Apr-98	974	131	11613	1413
May-98	938	129	12551	1542
Jun-98	903	127	13454	1669
Jul-98	870	125	14324	1794
Aug-98	838	123	15162	1917
Sep-98	807	121	15969	2037
Oct-98	777	119	16746	2156
Nov-98	748	117	17494	2273
Dec-98	721	115	18215	2388
Jan-99	694	113	18909	2501
Feb-99	668	111	19577	2612
Mar-99	643	109	20220	2722
Apr-99	620	108	20840	2829
May-99	597	106	21437	2935
Jun-99	575	104	22011	3039
Jul-99	553	102	22564	3142
Aug-99	533	101	23097	3243
Sep-99	513	99	23611	3342
Oct-99	494	98	24105	3439
Nov-99	476	96	24581	3535
Dec-99	458	94	25039	3630
Jan-00	441	93	25480	3722
Feb-00	425	91	25905	3814
Mar-00	409	90	26314	3903
Apr-00	394	88	26708	3992
May-00	380	87	27088	4079
Jun-00	365	86	27453	4164

Production Projection

Jul-00	352	84	27805	4248
Aug-00	339	83	28144	4331
Sep-00	339	83	28144	4331
Oct-00	326	81	28471	4413
Nov-00	314	80	28785	4493
Dec-00	303	79	29087	457
Jan-01	291	77	29379	4649
Feb-01	281	76	29660	4725
Mar-01	270	75	29930	4800
Apr-01	260	74	30190	4874
May-01	251	73	30441	4946
Jun-01	241	71	30682	5018
Jul-01	232	70	30915	5088
Aug-01	224	69	31138	5157
Sep-01	224	69	31138	5157
Oct-01	216	68	31354	5225
Nov-01	208	67	31561	5292
Dec-01	200	66	31761	5357
Jan-02	192	65	31954	5422
Feb-02	185	64	32139	5486
Mar-02	179	63	32318	5548
Apr-02	172	62	32490	5610
May-02	166	61	32655	5670
Jun-02	159	60	32815	5730
Jul-02	154	59	32968	5789
Aug-02	148	58	33116	5846
Sep-02	148	58	33116	5846
Oct-02	142	57	33258	5903
Nov-02	137	56	33395	5959
Dec-02	132	55	33527	6014
Jan-03	127	54	33654	6068
Feb-03	122	53	33777	6121
Mar-03	118	52	33895	6173
Apr-03	114	51	34008	6224
May-03	109	51	34118	6275
Jun-03	105	50	34223	6324
Jul-03	101	49	34324	6373
Aug-03	98	48	34422	6421
Sep-03	94	47	34516	6469
Oct-03	91	47	34606	6515
Nov-03	87	46	34694	6561
Dec-03	84	45	34778	6606
Jan-04	81	44	34858	6650
Feb-04	78	44	34936	6694
Mar-04	75	43	35011	6737
Apr-04	72	42	35084	6779
May-04	70	41	35153	6821
Jun-04	67	41	35220	6861
Jul-04	64	40	35285	6902

Production Projection

Aug-04	62	39	35347	6941
Sep-04	60	39	35406	6980
Oct-04	58	38	35464	7018
Nov-04	55	38	35519	7056
Dec-04	53	37	35573	7093
Jan-05	51	36	35624	7129
Feb-05	50	36	35674	7165
Mar-05	48	35	35721	7200
Apr-05	46	35	35767	7235
May-05	44	34	35812	7269
Jun-05	43	34	35854	7302
Jul-05	41	33	35895	7335
Aug-05	39	32	35935	7368
Sep-05	38	32	35973	7400
Oct-05	37	31	36009	7431
Nov-05	35	31	36045	7462
Dec-05	34	30	36079	7492
Jan-06	33	30	36111	7522
Feb-06	31	29	36143	7551
Mar-06	30	29	36173	7580
Apr-06	29	28	36202	7609
May-06	28	28	36230	7637
Jun-06	27	28	36258	7664
Jul-06	26	27	36284	7691
Aug-06	25	27	36309	7718
Sep-06	24	26	36333	7744
Oct-06	23	26	36356	7770
Nov-06	22	25	36379	7795
Dec-06	22	25	36400	7820
Jan-07	21	25	36421	7845
Feb-07	20	24	36441	7869
Mar-07	19	24	36460	7892
Apr-07	19	23	36479	7916
May-07	18	23	36497	7939
Jun-07	17	23	36514	7961
Jul-07	17	22	36531	7984
Aug-07	16	22	36547	8005
Sep-07	15	21	36562	8027
Oct-07	15	21	36577	8048
Nov-07	14	21	36591	8069
Dec-07	14	20	36605	8089
Jan-08	13	20	36618	8109
Feb-08	13	20	36631	8129
Mar-08	12	19	36643	8149
Apr-08	12	19	36655	8168
May-08	11	19	36666	8187
Jun-08	11	19	36677	8205
Jul-08	11	18	36688	8224
Aug-08	10	18	36698	8241

Production Projection

Sep-08	10	18	36708	8259
Oct-08	9	17	36717	8276
Nov-08	9	17	36726	8294
Dec-08	9	17	36735	8310
Jan-09	8	17	36743	8327
Feb-09	8	16	36751	8343
Mar-09	8	16	36759	8359
Apr-09	8	16	36767	8375
May-09	7	15	36774	8390
Jun-09	7	15	36781	8406
Jul-09	7	15	36788	8421
Aug-09	6	15	36794	8435
Sep-09	6	14	36800	8450
Oct-09	6	14	36806	8464
Nov-09	6	14	36812	8478
Dec-09	6	14	36818	8492
Jan-10	5	14	36823	8505
Feb-10	5	13	36828	8519
Mar-10	5	13	36833	8532
Apr-10	5	13	36838	8545
May-10	5	13	36842	8557
Jun-10	4	12	36847	8570
Jul-10	4	12	36851	8582
Aug-10	4	12	36855	8594
Sep-10	4	12	36859	8606
Oct-10	4	12	36863	8618
Nov-10	4	12	36867	8629
Dec-10	4	11	36870	8641
Jan-11	3	11	36874	8652
Feb-11	3	11	36877	8663
Mar-11	3	11	36880	8675
Apr-11	3	11	36883	8684
May-11	3	10	36886	8695
Jun-11	3	10	36889	8705
Jul-11	3	10	36892	8715
Aug-11	3	10	36894	8725
Sep-11	3	10	36897	8735
Oct-11	2	10	36899	8744
Nov-11	2	9	36901	8754
Dec-11	2	9	36904	8763
Jan-12	2	9	36906	8772
Feb-12	2	9	36908	8781
Mar-12	2	9	36910	8790
Apr-12	2	9	36912	8799
May-12	2	9	36914	8807
Jun-12	2	8	36916	8816
Jul-12	2	8	36917	8824
Aug-12	2	8	36919	8832
Sep-12	2	8	36921	8840

Production Projection

Oct-12	2				36922	8848
Nov-12	1			8	36924	8856
Dec-12	1			8	36925	8864
Jan-13	1			8	36926	8871
Feb-13	1			7	36928	8878
Mar-13	1			7	36929	8886
Apr-13	1			7	36930	8893
May-13	1			7	36931	8900
Jun-13	1			7	36933	8907
Jul-13	1			7	36934	8914
Aug-13	1			7	36935	8920
Sep-13	1			7	36936	8927
Oct-13	1			6	36937	8933
Nov-13	1			6	36938	8940
Dec-13	1			6	36939	8946
Jan-14	1			6	36939	8952
Feb-14	1			6	36940	8958
Mar-14	1			6	36941	8964
Apr-14	1			6	36942	8970
May-14	1			6	36943	8976
Jun-14	1			6	36943	8982
Jul-14	1			6	36944	8987
Aug-14	1			5	36945	8993
Sep-14	1			5	36945	8998
Oct-14	1			5	36946	9003
Nov-14	1			5	36947	9009
Dec-14	1			5	36947	9014
Jan-15	1			5	36948	9019
Feb-15	1			5	36948	9024
Mar-15	1			5	36949	9029
Apr-15	0			5	36949	9033
May-15	0			5	36950	9038
Jun-15	0			5	36950	9043
Jul-15	0			5	36951	9047
Aug-15	0			5	36951	9052
Sep-15	0			4	36951	9056
Oct-15	0			4	36952	9061
Nov-15	0			4	36952	9065
Dec-15	0			4	36953	9069
Jan-16	0			4	36953	9073
Feb-16	0			4	36953	9078
Mar-16	0			4	36954	9082
Apr-16	0			4	36954	9086
May-16	0			4	36954	9089
Jun-16	0			4	36955	9093
Jul-16	0			4	36955	9097
Aug-16	0			4	36955	9101
Sep-16	0			4	36955	9104
Oct-16	0			4	36956	9108

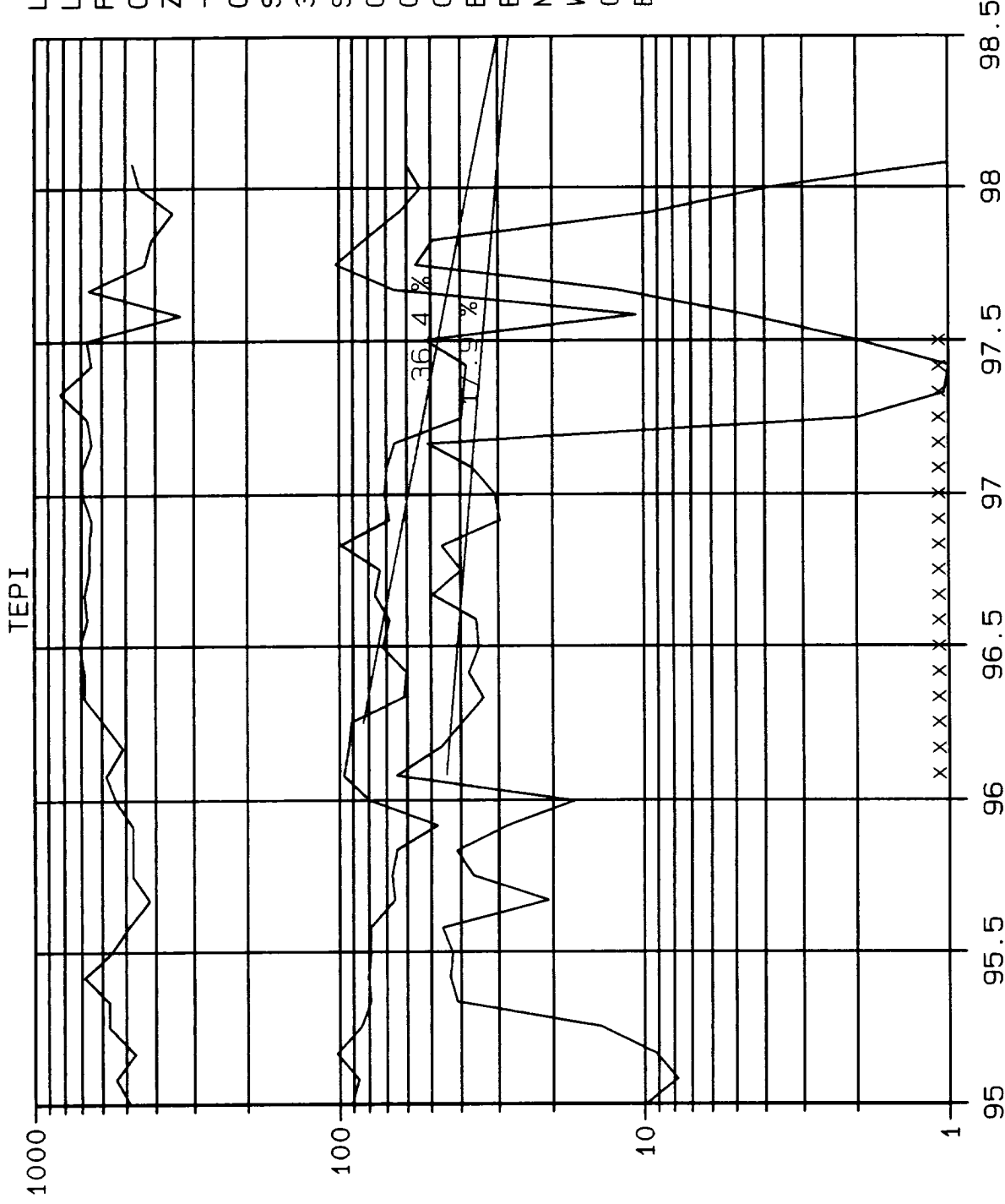
Production Projection

Nov-16	0	4	36956	9111
Dec-16	0	3	36956	9115
Jan-17	0	3	36956	9118
Feb-17	0	3	36957	9122
Mar-17	0	3	36957	9125
Apr-17	0	3	36957	9128
May-17	0	3	36957	9131
Jun-17	0	3	36957	9135
Jul-17	0	3	36958	9138
Aug-17	0	3	36958	9141
Sep-17	0	3	36958	9144
Oct-17	0	3	36958	9147
Nov-17	0	3	36958	9150
Dec-17	0	3	36958	9152
Jan-18	0	3	36958	9155
Feb-18	0	3	36959	9158
Mar-18	0	3	36959	9161
Apr-18	0	3	36959	9163
May-18	0	3	36959	9166
Jun-18	0	3	36959	9169
Jul-18	0	3	36959	9171
Aug-18	0	2	36959	9174
Sep-18	0	2	36959	9176
Oct-18	0	2	36960	9178
Nov-18	0	2	36960	9181
Dec-18	0	2	36960	9183
Jan-19	0	2	36960	9185
Feb-19	0	2	36960	9188
Mar-19	0	2	36960	9190
Apr-19	0	2	36960	9192
May-19	0	2	36960	9194
Jun-19	0	2	36960	9196
Jul-19	0	2	36960	9198
Aug-19	0	2	36960	9201
Sep-19	0	2	36960	9203
Oct-19	0	2	36961	9205
Nov-19	0	2	36961	9206
Dec-19	0	2	36961	9208
Jan-20	0	2	36961	9210
Feb-20	0	2	36961	9212
Mar-20	0	2	36961	9214
Apr-20	0	2	36961	9216
May-20	0	2	36961	9218
Jun-20	0	2	36961	9219
Jul-20	0	2	36961	9221
Aug-20	0	2	36961	9223
Sep-20	0	2	36961	9224
Oct-20	0	2	36961	9226
Nov-20	0	2	36961	9228

Production Projection

Dec-20	0	2	36961	9229
Jan-21	0	2	36961	9231
Feb-21	0	2	36961	9232
Mar-21	0	1	36961	9234
Apr-21	0	1	36961	9235
May-21	0	1	36961	923~
Jun-21	0	1	36961	9238
Jul-21	0	1	36961	9239
Aug-21	0	1	36961	9241
Sep-21	0	1	36961	9242
Oct-21	0	1	36962	9244
Nov-21	0	1	36962	9245
Dec-21	0	1	36962	9246
Jan-22	0	1	36962	9247
Feb-22	0	1	36962	9249
Mar-22	0	1	36962	9250
Apr-22	0	1	36962	9251
May-22	0	1	36962	9252
Jun-22	0	1	36962	9253
Jul-22	0	1	36962	9255
Aug-22	0	1	36962	9256
Sep-22	0	1	36962	9257
Oct-22	0	1	36962	9258
Nov-22	0	1	36962	9259
Dec-22	0	1	36962	9260
Jan-23	0	1	36962	9261
Feb-23	0	1	36962	9262
Mar-23	0	1	36962	9263
Apr-23	0	1	36962	9264
May-23	0	1	36962	9265
Jun-23	0	1	36962	9266
Jul-23	0	1	36962	9267
Aug-23	0	1	36962	9268
Sep-23	0	1	36962	9269
Oct-23	0	1	36962	9270
Nov-23	0	1	36962	9271
Dec-23	0	1	36962	9272
Jan-24	0	1	36962	9272
Feb-24	0	1	36962	9273
Mar-24	0	1	36962	9274
Apr-24	0	1	36962	9275
May-24	0	1	36962	9276
Jun-24	0	1	36962	9277
Jul-24	0	1	36962	9277
Aug-24	0	1	36962	9278
Sep-24	0	1	36962	9279
Oct-24	0	1	36962	9280
Nov-24	0	1	36962	9280
Dec-24	0	1	36962	9281

VACUUM GRAYBURG SAN ANDRES UT 13



LEASE DATA

LSE

FLD

OPER TEPI

ZONE

--

COUNTY 025

STATE 30

30025022600001

STATUS 1-98

CO 617 MBO

CG 452 MCF

CW 1960 MBW

BOPD 60

BWPD 474

MCFPD 0

WELLS 1

CI 0 MBWI

BWIPD 0

YEARS

Submit 3 copies
to Appropriate
District Office

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

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.	30-025-02260
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	B-1306
7. Lease Name or Unit Agreement Name	VACUUM GRAYBURG SAN ANDRES UNIT
8. Well No.	13
9. Pool Name or Wildcat	VACUUM GRAYBURG SAN ANDRES
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3993' DF

SUNDRY NOTICES AND REPORTS ON WELL
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK 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>P</u> : <u>660</u> Feet From The <u>SOUTH</u> Line and <u>660</u> Feet From The <u>EAST</u> Line Section <u>1</u> Township <u>18S</u> Range <u>34E</u> NMPM <u>LEA</u> COUNTY
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3993' DF

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: ☐

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.

7/21/97- 7/27/97

- MIRU, Installed BOP. TOH w/ Production Equipment.
 - TIH w/ 6 1/8 Bit and cleaned to 4680'. SDFN
 - TIH w/ 5 1/2 Pkr on 2 3/8 Tbg. Pkr. set @ 4074'. SDFN
 - Acidized with 8000 gals 15% NEFE HCL with 4000# rock salt. (Max-1500 psi AIR-4 BPM) S-I 3 hrs. Scale squeezed with 165 gals TH793 in 24 Bbbls and flushed with 250 BBls. SDFN
 - Released Pkr and TOH. SDFN
 - TIH with production equipment.
- OPT 8/6/97 Pumping by Sub Pump BO-45 BW-671 MCF-5
- (INTERNAL TEPI STATUS REMAINS PM)

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

SIGNATURE Bobby G. McCurry TITLE Engineering Assistant DATE 10/1/97
TYPE OR PRINT NAME Bobby G. McCurry Telephone No. 397-0446

(This space for State Use) ORIGINAL SIGNED BY CHRIS WILLIAMS

APPROVED BY DISTRICT I SUPERVISOR TITLE DATE NOV 14 1997

CONDITIONS OF APPROVAL, IF ANY: