

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

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District Office

H-0424

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 #158 API #: 30 025 30718

Location of Well: Unit Letter B, 660 Feet from the North line and 1330 feet from the East line,
Section 1, Township 18S, Range 34, NMPM, Lea County

III. Date Workover Procedures Commenced: 02-17-97
Date Workover Procedures were Completed: 03-04-97

IV. Attach a description of the Workover Procedures undertaken to increase the production 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.

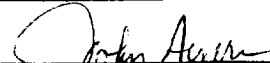
[Signature]
(Name)

Senior Engineer Hobbs Operating Unit
(Title)

meP

Vacuum Grayburg San Andres Unit #158

SUBSCRIBED AND SWORN TO before me this 16th day of February, 1998.

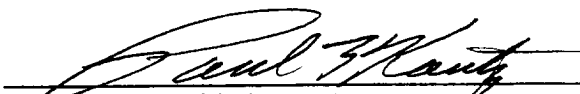

Notary Public John Ayers

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 3-4-97, 1997.


District Supervisor, District 1
Oil Conservation Division Geologist
Date: 2/20/97

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

Production Projection

Well Name & #:	Vacuum Grayburg San Andres Unit #158		Prior Oil Prod. Rate (BOPD):		27
	Vacuum Grayburg San Andres		Oil Decline Factor:		0.996352718
	4		Prior Gas Prod. Rate (MCFGD):		16
	16		Gas Decline Factor:		0.985965845
	Mar-97				
Oil Decline Rate (%):					
Gas Decline Rate (%):					
Completion Date (m/yr):					
Month	Projected Oil Production	Projected Gas Production	Projected Cumulative Oil Production	Projected Cumulative Gas Production	
Mar-97	821	486	821	486	
Apr-97	818	480	1639	966	
May-97	815	473	2453	1439	
Jun-97	812	466	3265	1905	
Jul-97	809	460	4074	2365	
Aug-97	806	453	4880	2818	
Sep-97	803	447	5683	3265	
Oct-97	800	441	6483	3705	
Nov-97	797	434	7280	4140	
Dec-97	794	428	8075	4568	
Jan-98	791	422	8866	4990	
Feb-98	788	416	9654	5407	
Mar-98	786	411	10440	5817	
Apr-98	783	405	11223	6222	
May-98	780	399	12003	6621	
Jun-98	777	393	12780	7015	
Jul-98	774	388	13554	7402	
Aug-98	771	383	14325	7785	
Sep-98	769	377	15094	8162	
Oct-98	766	372	15859	8534	
Nov-98	763	367	16622	8901	
Dec-98	760	361	17383	9262	
Jan-99	757	356	18140	9619	
Feb-99	755	351	18895	9970	
Mar-99	752	346	19647	10316	
Apr-99	749	342	20396	10658	
May-99	746	337	21142	10995	
Jun-99	744	332	21886	11327	
Jul-99	741	327	22627	11654	
Aug-99	738	323	23365	11977	
Sep-99	736	318	24101	12296	
Oct-99	733	314	24833	12609	
Nov-99	730	309	25564	12919	
Dec-99	728	305	26291	13224	
Jan-00	725	301	27016	13525	
Feb-00	722	297	27738	13821	

Production Projection

Mar-00	720	292	28458	14114
Apr-00	717	288	29175	14402
May-00	717	288	29175	14402
Jun-00	714	284	29889	14686
Jul-00	712	280	30601	14967
Aug-00	709	276	31310	15243
Sep-00	707	272	32017	15515
Oct-00	704	269	32721	15784
Nov-00	701	265	33423	16049
Dec-00	699	261	34121	16310
Jan-01	696	258	34818	16568
Feb-01	694	254	35512	16822
Mar-01	691	250	36203	17072
Apr-01	689	247	36892	17319
May-01	689	247	36892	17319
Jun-01	686	243	37578	17562
Jul-01	684	240	38262	17802
Aug-01	681	237	38943	18039
Sep-01	679	233	39622	18272
Oct-01	676	230	40298	18502
Nov-01	674	227	40972	18729
Dec-01	671	224	41643	18952
Jan-02	669	220	42312	19172
Feb-02	666	217	42978	19390
Mar-02	664	214	43643	19604
Apr-02	662	211	44304	19815
May-02	662	211	44304	19815
Jun-02	659	208	44963	20024
Jul-02	657	205	45620	20229
Aug-02	654	203	46275	20432
Sep-02	652	200	46927	20631
Oct-02	650	197	47576	20828
Nov-02	647	194	48224	21022
Dec-02	645	191	48868	21214
Jan-03	643	189	49511	21402
Feb-03	640	186	50151	21588
Mar-03	638	183	50789	21772
Apr-03	636	181	51425	21953
May-03	633	178	52058	22131
Jun-03	631	176	52689	22307
Jul-03	629	173	53317	22480
Aug-03	626	171	53944	22651
Sep-03	624	169	54568	22819
Oct-03	622	166	55190	22986
Nov-03	620	164	55809	23149
Dec-03	617	162	56426	23311
Jan-04	615	159	57041	23470
Feb-04	613	157	57654	23627
Mar-04	611	155	58265	23782

Production Projection

Apr-04	608	153	58673	23935
May-04	606	150	59479	24085
Jun-04	604	148	60083	24234
Jul-04	602	146	60685	24380
Aug-04	599	144	61284	24524
Sep-04	597	142	61881	24666
Oct-04	595	140	62476	24807
Nov-04	593	138	63069	24945
Dec-04	591	136	63660	25081
Jan-05	589	134	64249	25216
Feb-05	586	133	64835	25348
Mar-05	584	131	65420	25479
Apr-05	582	129	66002	25608
May-05	580	127	66582	25735
Jun-05	578	125	67160	25860
Jul-05	576	123	67736	25983
Aug-05	574	122	68309	26105
Sep-05	572	120	68881	26225
Oct-05	570	118	69451	26343
Nov-05	567	117	70018	26460
Dec-05	565	115	70583	26575
Jan-06	563	113	71147	26689
Feb-06	561	112	71708	26800
Mar-06	559	110	72267	26911
Apr-06	557	109	72825	27019
May-06	555	107	73380	27127
Jun-06	553	106	73933	27232
Jul-06	551	104	74484	27337
Aug-06	549	103	75033	27439
Sep-06	547	101	75580	27541
Oct-06	545	100	76126	27641
Nov-06	543	98	76669	27739
Dec-06	541	97	77210	27836
Jan-07	539	96	77749	27932
Feb-07	537	94	78286	28026
Mar-07	535	93	78822	28119
Apr-07	533	92	79355	28211
May-07	531	90	79886	28302
Jun-07	529	89	80416	28391
Jul-07	528	88	80943	28479
Aug-07	526	87	81469	28565
Sep-07	524	86	81992	28651
Oct-07	522	84	82514	28735
Nov-07	520	83	83034	28818
Dec-07	518	82	83552	28900
Jan-08	516	81	84068	28981
Feb-08	514	80	84582	29061
Mar-08	512	79	85094	29139
Apr-08	510	77	85605	29217

Production Projection

May-08	509	76	86114	29293
Jun-08	507	75	86620	29369
Jul-08	505	74	87125	29443
Aug-08	503	73	87628	29516
Sep-08	501	72	88129	29588
Oct-08	499	71	88629	29659
Nov-08	498	70	89126	29729
Dec-08	496	69	89622	29799
Jan-09	494	68	90116	29867
Feb-09	492	67	90608	29934
Mar-09	490	66	91098	30000
Apr-09	489	65	91587	30066
May-09	487	64	92074	30130
Jun-09	485	64	92559	30194
Jul-09	483	63	93042	30256
Aug-09	481	62	93523	30318
Sep-09	480	61	94003	30379
Oct-09	478	60	94481	30439
Nov-09	476	59	94957	30498
Dec-09	474	58	95432	30557
Jan-10	473	58	95904	30614
Feb-10	471	57	96375	30671
Mar-10	469	56	96845	30727
Apr-10	468	55	97312	30782
May-10	466	54	97778	30837
Jun-10	464	54	98242	30890
Jul-10	462	53	98705	30943
Aug-10	461	52	99166	30985
Sep-10	459	51	99625	31047
Oct-10	457	51	100082	31097
Nov-10	456	50	100538	31147
Dec-10	454	49	100992	31197
Jan-11	452	49	101444	31245
Feb-11	451	48	101895	31293
Mar-11	449	47	102344	31340
Apr-11	448	47	102792	31387
May-11	446	46	103238	31433
Jun-11	444	45	103682	31478
Jul-11	443	45	104125	31523
Aug-11	441	44	104566	31567
Sep-11	439	43	105005	31610
Oct-11	438	43	105443	31653
Nov-11	436	42	105879	31695
Dec-11	435	42	106314	31737
Jan-12	433	41	106747	31778
Feb-12	431	40	107178	31818
Mar-12	430	40	107608	31858
Apr-12	428	39	108037	31897
May-12	427	39	108463	31936

Production Projection

Jun-12	425	38	10888	31974
Jul-12	424	38	109312	32012
Aug-12	422	37	109734	32049
Sep-12	421	37	110155	32086
Oct-12	419	36	110574	32122
Nov-12	418	36	110991	32157
Dec-12	416	35	111407	32192
Jan-13	414	35	111822	32227
Feb-13	413	34	112235	32261
Mar-13	411	34	112646	32295
Apr-13	410	33	113056	32328
May-13	408	33	113465	32361
Jun-13	407	32	113872	32393
Jul-13	405	32	114277	32425
Aug-13	404	31	114681	32456
Sep-13	403	31	115084	32487
Oct-13	401	30	115485	32517
Nov-13	400	30	115884	32547
Dec-13	398	30	116282	32577
Jan-14	397	29	116679	32606
Feb-14	395	29	117074	32635
Mar-14	394	28	117468	32663
Apr-14	392	28	117860	32691
May-14	391	28	118251	32719
Jun-14	390	27	118641	32746
Jul-14	388	27	119029	32773
Aug-14	387	26	119416	32800
Sep-14	385	26	119801	32826
Oct-14	384	26	120185	32851
Nov-14	382	25	120567	32877
Dec-14	381	25	120948	32902
Jan-15	380	25	121328	32926
Feb-15	378	24	121706	32951
Mar-15	377	24	122083	32975
Apr-15	376	24	122459	32998
May-15	374	23	122833	33022
Jun-15	373	23	123206	33045
Jul-15	371	23	123577	33067
Aug-15	370	22	123947	33090
Sep-15	369	22	124316	33112
Oct-15	367	22	124683	33133
Nov-15	366	21	125049	33155
Dec-15	365	21	125414	33176
Jan-16	363	21	125777	33197
Feb-16	362	21	126139	33217
Mar-16	361	20	126500	33237
Apr-16	359	20	126860	33257
May-16	358	20	127218	33277
Jun-16	357	19	127574	33296

Production Projection

Jul-16	355	19	127930	33315
Aug-16	354	19	128284	33334
Sep-16	353	19	128637	33353
Oct-16	352	18	128989	33371
Nov-16	350	18	129339	33389
Dec-16	349	18	129688	33407
Jan-17	348	18	130036	33425
Feb-17	347	17	130382	33442
Mar-17	345	17	130728	33459
Apr-17	344	17	131072	33476
May-17	343	17	131414	33492
Jun-17	341	16	131756	33509
Jul-17	340	16	132096	33525
Aug-17	339	16	132435	33541
Sep-17	338	16	132773	33557
Oct-17	337	15	133109	33572
Nov-17	335	15	133445	33587
Dec-17	334	15	133779	33602
Jan-18	333	15	134112	33617
Feb-18	332	15	134443	33632
Mar-18	330	14	134774	33646
Apr-18	329	14	135103	33660
May-18	328	14	135431	33674
Jun-18	327	14	135758	33688
Jul-18	326	14	136084	33702
Aug-18	324	13	136408	33715
Sep-18	323	13	136731	33728
Oct-18	322	13	137053	33741
Nov-18	321	13	137374	33754
Dec-18	320	13	137694	33767
Jan-19	319	13	138013	33779
Feb-19	317	12	138330	33792
Mar-19	316	12	138646	33804
Apr-19	315	12	138962	33816
May-19	314	12	139276	33828
Jun-19	313	12	139588	33839
Jul-19	312	11	139900	33851
Aug-19	311	11	140211	33862
Sep-19	309	11	140520	33873
Oct-19	308	11	140828	33884
Nov-19	307	11	141135	33895
Dec-19	306	11	141441	33906
Jan-20	305	11	141746	33917
Feb-20	304	10	142050	33927
Mar-20	303	10	142353	33937
Apr-20	302	10	142655	33947
May-20	300	10	142955	33957
Jun-20	299	10	143254	33967
Jul-20	298	10	143553	33977

Production Projection

Aug-20	297	10	143850	33986
Sep-20	296	9	144146	33996
Oct-20	295	9	144441	34005
Nov-20	294	9	144735	34014
Dec-20	293	9	145028	34023
Jan-21	292	9	145320	34032
Feb-21	291	9	145611	34041
Mar-21	290	9	145900	34050
Apr-21	289	8	146189	34058
May-21	288	8	146477	34067
Jun-21	287	8	146763	34075
Jul-21	286	8	147049	34083
Aug-21	284	8	147333	34091
Sep-21	283	8	147617	34099
Oct-21	282	8	147899	34107
Nov-21	281	8	148180	34115
Dec-21	280	8	148461	34122
Jan-22	279	8	148740	34130
Feb-22	278	7	149018	34137
Mar-22	277	7	149296	34145
Apr-22	276	7	149572	34152
May-22	275	7	149847	34159
Jun-22	274	7	150121	34166
Jul-22	273	7	150395	34173
Aug-22	272	7	150667	34180
Sep-22	271	7	150938	34186
Oct-22	270	7	151209	34193
Nov-22	269	7	151478	34200
Dec-22	268	6	151746	34206
Jan-23	267	6	152014	34212
Feb-23	266	6	152280	34219
Mar-23	265	6	152545	34225
Apr-23	264	6	152810	34231
May-23	263	6	153073	34237
Jun-23	262	6	153336	34243
Jul-23	262	6	153597	34249
Aug-23	261	6	153858	34254
Sep-23	260	6	154117	34260
Oct-23	259	6	154376	34266
Nov-23	258	6	154634	34271
Dec-23	257	5	154891	34277
Jan-24	256	5	155147	34282
Feb-24	255	5	155401	34287
Mar-24	254	5	155655	34292
Apr-24	253	5	155909	34298
May-24	252	5	156161	34303
Jun-24	251	5	156412	34308
Jul-24	250	5	156662	34313
Aug-24	249	5	156912	34317

Production Projection

Sep-24	248	5	157160	34322
Oct-24	248	5	157408	34327
Nov-24	247	5	157654	34332
Dec-24	246	5	157900	34336
Jan-25	245	5	158145	34341
Feb-25	244	4	158389	34345
Mar-25	243	4	158632	34350
Apr-25	242	4	158874	34354
May-25	241	4	159116	34358
Jun-25	240	4	159356	34362
Jul-25	240	4	159596	34366
Aug-25	239	4	159835	34371
Sep-25	238	4	160072	34375
Oct-25	237	4	160309	34379
Nov-25	236	4	160545	34383
Dec-25	235	4	160781	34386
Jan-26	234	4	161015	34390
Feb-26	234	4	161249	34394
Mar-26	233	4	161481	34398
Apr-26	232	4	161713	34401
May-26	231	4	161944	34405
Jun-26	230	4	162174	34408
Jul-26	229	4	162404	34412
Aug-26	228	3	162632	34415
Sep-26	228	3	162860	34419
Oct-26	227	3	163087	34422
Nov-26	226	3	163312	34426
Dec-26	225	3	163538	34429
Jan-27	224	3	163762	34432
Feb-27	224	3	163985	34435
Mar-27	223	3	164208	34438
Apr-27	222	3	164430	34441
May-27	221	3	164651	34444
Jun-27	220	3	164871	34447
Jul-27	219	3	165091	34450
Aug-27	219	3	165310	34453
Sep-27	218	3	165527	34456
Oct-27	217	3	165745	34459
Nov-27	216	3	165961	34462
Dec-27	215	3	166176	34465
Jan-28	215	3	166391	34467
Feb-28	214	3	166605	34470
Mar-28	213	3	166818	34473
Apr-28	212	3	167030	34475
May-28	212	3	167242	34478
Jun-28	211	3	167453	34480
Jul-28	210	2	167663	34483
Aug-28	209	2	167872	34485
Sep-28	209	2	168081	34488

Production Projection

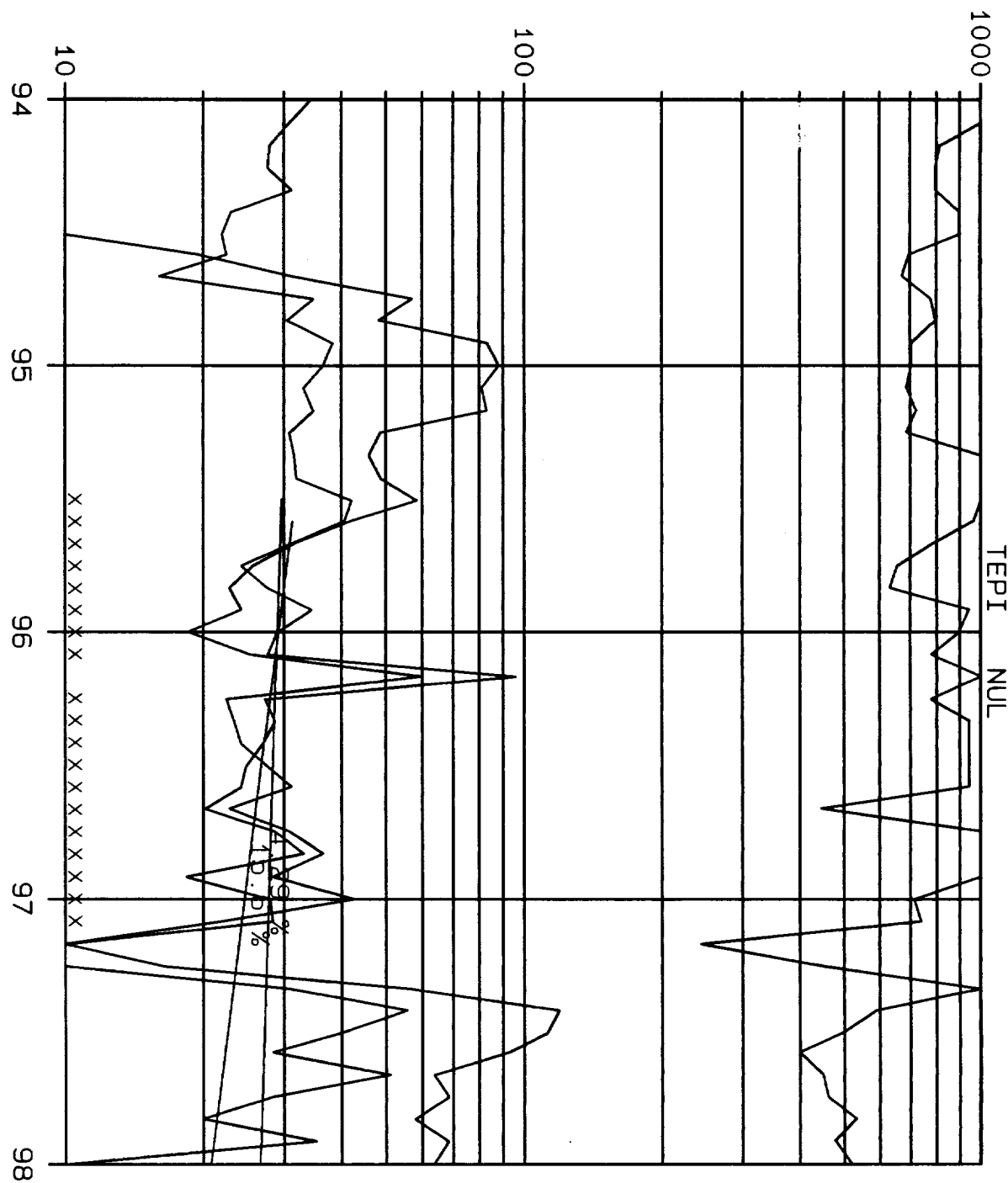
Oct-28	208	168288	34490
Nov-28	207	168495	34492
Dec-28	206	168702	34495
Jan-29	205	168907	34497
Feb-29	205	169112	34489
Mar-29	204	169316	34502
Apr-29	203	169519	34504
May-29	203	169722	34506
Jun-29	202	169924	34508
Jul-29	201	170125	34510
Aug-29	200	170325	34512
Sep-29	200	170524	34514
Oct-29	199	170723	34516
Nov-29	198	170921	34518
Dec-29	197	171119	34520
Jan-30	197	171315	34522
Mar-30	196	171511	34524
Mar-30	195	171707	34526
Apr-30	195	171901	34528
May-30	194	172095	34530
Jun-30	193	172288	34532
Jul-30	192	172481	34533
Aug-30	192	172672	34535
Sep-30	191	172863	34537
Oct-30	190	173054	34539
Nov-30	190	173243	34540
Dec-30	189	173432	34542
Jan-31	188	173620	34543
Mar-31	188	173808	34545
Mar-31	187	173995	34547
Apr-31	186	174181	34548
May-31	186	174367	34550
Jun-31	185	174551	34551
Jul-31	184	174736	34553
Aug-31	183	174919	34554
Sep-31	183	175102	34556
Oct-31	182	175284	34557
Nov-31	181	175466	34559
Dec-31	181	175646	34560
Jan-32	180	175827	34561
Mar-32	180	176006	34563
Mar-32	179	176185	34564
Apr-32	178	176363	34565
May-32	178	176541	34567
Jun-32	177	176718	34568
Jul-32	176	176894	34569
Aug-32	176	177069	34571
Sep-32	175	177244	34572
Oct-32	174	177419	34573

Production Projection

Nov-32	174	1	177592	34574
Dec-32	173	1	177766	34575
Jan-33	172	1	177938	34577
Mar-33	172	1	178110	34578
Mar-33	171	1	178281	34579
Apr-33	171	1	178452	34580
May-33	170	1	178621	34581
Jun-33	169	1	178791	34582
Jul-33	169	1	178959	34583
Aug-33	168	1	179128	34584
Sep-33	167	1	179295	34585
Oct-33	167	1	179462	34586
Dec-33	166	1	179628	34587
Jan-34	166	1	179794	34588
Feb-34	165	1	179959	34589
Mar-34	164	1	180123	34590
Mar-34	164	1	180287	34591
Apr-34	163	1	180450	34592
May-34	163	1	180613	34593
Jun-34	162	1	180775	34594
Jul-34	161	1	180937	34595
Aug-34	161	1	181097	34596
Oct-34	160	1	181258	34597
Nov-34	160	1	181417	34598
Dec-34	159	1	181577	34598
Jan-35	159	1	181735	34599
Feb-35	158	1	181893	34600
Mar-35	157	1	182050	34601
Mar-35	157	1	182207	34602
Apr-35	156	1	182363	34602
May-35	156	1	182519	34603
Jul-35	155	1	182674	34604
Aug-35	155	1	182829	34605
Sep-35	154	1	182983	34606
Oct-35	153	1	183136	34606
Nov-35	153	1	183289	34607
Dec-35	152	1	183441	34608
Jan-36	152	1	183593	34608
Feb-36	151	1	183744	34609
Mar-36	151	1	183895	34610
Mar-36	150	1	184045	34611
Apr-36	150	1	184194	34611
May-36	149	1	184343	34612
Jul-36	148	1	184492	34612
Aug-36	148	1	184640	34613
Sep-36	147	1	184787	34614
Oct-36	147	1	184934	34614
Nov-36	146	1	185080	34615
Dec-36	146	1	185226	34616

VACUUM GRAYBURG SAN ANDRES UT 158 VACUUM GRAYBURG SAN ANDRES

BOPD BWPD MC D



LEASE DATA
 LSE 011124
 FLD 62180
 OPER TEPI
 ZONE NUL
 --
 COUNTY 025
 STATE 30
 30025307180001
 STATUS 12-97
 CO 108 MBO
 CG 51 MDCF
 CM 2246 MBW
 BOPD 64
 BWPD 522
 MCFPD 0
 WELLS 1
 CI 0 MBWI
 BWIPD 0

DISTRICT I

O. Box 1980, Hobbs, NM 88240

DISTRICT II

O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL NO.	30-025-30718
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	857948
7. Lease Name or Unit Agreement Name	VACUUM GRAYBURG SAN ANDRES UNIT
8. Well No.	158
9. Pool Name or Wildcat	VACUUM GRAYBURG SAN ANDRES
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	GR-3987', KB-3798'

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.)

Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER ☐

Name of Operator TEXACO EXPLORATION & PRODUCTION INC.

Address of Operator 205 E. Bender, HOBBS, NM 88240

Well Location
Unit Letter B 660 Feet From The NORTH Line and 1330 Feet From The EAST Line
Section 1 Township 18S Range 34E NMPM LEA COUNTY

1. 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: FRACTURE TREATMENT ☒

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.

2/17/97 - 3/4/97

1. MIRU. TOH w/ sub pump. Cleaned out wellbore to 4816'. Set CIBP @ 4565, shot frac window from 4350' to 4360' w/ 4 JSPF.
2. TIH w/ 7" Pkr, 3 1/2", 10K frac tbg. Tested frac tbg to 8500 psi, OK. Set Pkr @ 4161'. Loaded & tested casing to 1000#, OK.
3. Pumped 2 drums of TH-756 inhibitor mixed in 20 bbls fresh water across perms 4234-4556'.
4. Fracture treated perms 4234-4556' with 32,000 gals 40# Crossed-Linked gel, 800 # adomite regaine, 75,380 # 16/30 Ottawa sand & 20,500# 16/30 curable resin coated sand. Max P = 5500#, AIR = 35 BPM. Flowed back for 30 min, forced closure. SION.
5. Tagged sand @ 4200'. MIRU coiled tbg unit. Cleaned out 3 1/2" tbg & 5 1/2" casing from 3740' - 4565'. TOH w/ treating pkr. Drilled out CIBP @ 4565' & cleaned out to 4841'. Set new CIBP @ 4700' (new PBTD).
6. TIH w/ production tubing, tubing pump, & rods. Returned well to production.

OPT 3/27/97 PUMPING BY PLUNGER PUMP: 62 BOPD, 1004 BWPD, 32 MCFD

4/28/97 - 4/30/97

1. MIRU. TOH w/ rods & pump. Installed BOP. TOH w/ tbg.
2. Tagged fill @ 4698' (lower CIBP @ 4700'). Set another CIBP @ 4625' (new PBTD) to shut-off water production.
3. TIH w/ production tubing, tubing pumps, & rods. Returned well to production.

OPT 5/5/97 PUMPING BY PLUNGER PUMP: 174 BOPD, 736 BWPD, 84 MCFD

(TEPI INTERNAL STATUS REMAINS: PM)

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

SIGNATURE Monte C. Duncan TITLE Engr Asst DATE 7/7/97

TYPE OR PRINT NAME Monte C. Duncan Telephone No. 397-0418

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

APPROVED BY DISTRICT I SUPERVISOR TITLE DATE 8-9-1997

CONDITIONS OF APPROVAL, IF ANY: