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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-0844 2/26

**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: Mike Quintana Phone #: (505) 397-0451
- II. Name of Well: Cooper Jal Unit #136 API #: 30 025 09640
Location of Well: Unit Letter P, 990' Feet from the South line and 990' Feet from the East line,
Section 24, Township 24S, Range 36E, NMPM, Lea County
- III. Date Workover Procedures Commenced: 08/06/97
Date Workover Procedures were Completed: 08/07/97
- IV. Attach a description of the Workover Procedures undertaken to increase the projection 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: Langlie Mattix /Jalmat
- VII. AFFIDAVIT:

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

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

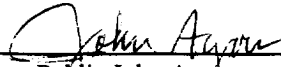
1. I am the Operator or authorized representative of the Operator of the above referenced Well.
2. I have made, or caused to be made, a diligent search of the production records which are reasonably available and contain information relevant to the production history of this Well.
Restoration Project.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

Cooper Jal Unit # 136

SUBSCRIBED AND SWORN TO before me this 23 day of February, 1998.

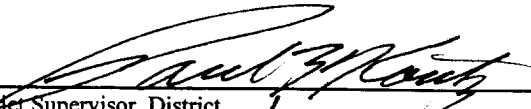

Notary Public John Ayers

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 8-7-97, 19 .


District Supervisor, District 1
Oil Conservation Division Geologist

Date: 2/26/98

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

TEPI

USE

FLD

OPER TEP I

1

COUNTY 025

STATE 30

30025096400002

STATUS 1-98

CO 53 MBO

CG 26 MMCF

CW 41 MBW

BOPD 30

BMPD 31

MCF-PD O

WELLS 1

C1 808 MBWT

BWL PD 0



BOPD BWPD MCF

Production Projection

Well Name & #:

Producing Formation:

Oil Decline Rate (%):

Gas Decline Rate (%):

Completion Date (m/yr):

Cooper Jal Unit #136

Prior Oil Prod. Rate (BOPD):

24

Langlie Mattix / Jalmat

Oil Decline Factor:

Prior Gas Prod. Rate (MCFGD):

18

Gas Decline Factor:

0.965966344

Month	Projected Oil Production	Projected Gas Production	Projected Cumulative Oil Production	Projected Cumulative Gas Production
Aug-97	730	547	730	547
Sep-97	707	529	1437	1076
Oct-97	686	511	2122	1586
Nov-97	664	493	2787	2080
Dec-97	644	476	3431	2556
Jan-98	624	460	4055	3016
Feb-98	605	445	4660	3461
Mar-98	587	429	5247	3890
Apr-98	569	415	5816	4305
May-98	551	401	6367	4706
Jun-98	534	387	6901	5093
Jul-98	518	374	7419	5467
Aug-98	502	361	7921	5828
Sep-98	487	349	8407	6177
Oct-98	472	337	8879	6514
Nov-98	457	326	9336	6839
Dec-98	443	314	9779	7154
Jan-99	430	304	10209	7457
Feb-99	416	293	10625	7751
Mar-99	404	283	11029	8034
Apr-99	391	274	11420	8308
May-99	379	264	11799	8572
Jun-99	368	255	12167	8828
Jul-99	356	247	12523	9075
Aug-99	345	238	12868	9313
Sep-99	335	230	13203	9543
Oct-99	324	222	13528	9766
Nov-99	315	215	13842	9980
Dec-99	305	208	14147	10188
Jan-00	296	200	14443	10388
Feb-00	286	194	14729	10582
Mar-00	278	187	15007	10769
Apr-00	269	181	15276	10950
May-00	261	175	15537	11124
Jun-00	253	169	15790	11293
Jul-00	245	163	16035	11456
Aug-00	238	157	16272	11613

Production Projection

Sep-00	230	152	16503	11765
Oct-00	230	152	16503	11765
Nov-00	223	147	16726	11912
Dec-00	216	142	16942	12054
Jan-01	210	137	17152	12191
Feb-01	203	132	17355	12323
Mar-01	197	128	17552	12451
Apr-01	191	123	17743	12574
May-01	185	119	17929	12693
Jun-01	179	115	18108	12809
Jul-01	174	111	18282	12920
Aug-01	169	107	18451	13027
Sep-01	163	104	18614	13131
Oct-01	163	104	18614	13131
Nov-01	158	100	18773	13232
Dec-01	154	97	18926	13328
Jan-02	149	94	19075	13422
Feb-02	144	90	19219	13512
Mar-02	140	87	19359	13600
Apr-02	136	84	19495	13684
May-02	131	81	19626	13766
Jun-02	127	79	19754	13844
Jul-02	123	76	19877	13920
Aug-02	120	73	19997	13994
Sep-02	116	71	20113	14065
Oct-02	116	71	20113	14065
Nov-02	112	69	20225	14133
Dec-02	109	66	20334	14199
Jan-03	106	64	20440	14263
Feb-03	102	62	20543	14325
Mar-03	99	60	20642	14385
3	96	58	20738	14442
May-03	93	56	20831	14498
Jun-03	90	54	20922	14552
Jul-03	88	52	21009	14604
Aug-03	85	50	21094	14654
Sep-03	82	48	21177	14702
Oct-03	80	47	21257	14749
Nov-03	77	45	21334	14795
Dec-03	75	44	21409	14838
Jan-04	73	42	21482	14880
Feb-04	70	41	21552	14921
Mar-04	68	39	21620	14961
Apr-04	66	38	21687	14999
May-04	64	37	21751	15035
Jun-04	62	35	21813	15071
Jul-04	60	34	21873	15105
Aug-04	58	33	21932	15138
Sep-04	57	32	21988	15170

Production Projection

Oct-04	55	31	22043	15201
Nov-04	53	30	22097	15231
Dec-04	52	29	22148	15260
Jan-05	50	28	22198	15288
Feb-05	48	27	22247	15315
Mar-05	47	26	22294	15341
Apr-05	46	25	22339	15366
May-05	44	24	22383	15390
Jun-05	43	23	22426	15413
Jul-05	41	23	22468	15436
Aug-05	40	22	22508	15458
Sep-05	39	21	22547	15479
Oct-05	38	20	22585	15499
Nov-05	37	20	22621	15519
Dec-05	36	19	22657	15538
Jan-06	34	18	22691	15556
Feb-06	33	18	22725	15574
Mar-06	32	17	22757	15591
Apr-06	31	17	22788	15608
May-06	30	16	22819	15624
Jun-06	29	15	22848	15639
Jul-06	29	15	22877	15654
Aug-06	28	14	22904	15669
Sep-06	27	14	22931	15683
Oct-06	26	13	22957	15696
Nov-06	25	13	22982	15709
Dec-06	24	13	23007	15722
Jan-07	24	12	23030	15734
Feb-07	23	12	23053	15746
Mar-07	22	11	23076	15757
Apr-07	22	11	23097	15768
May-07	21	11	23118	15778
Jun-07	20	10	23138	15789
Jul-07	20	10	23158	15798
Aug-07	19	10	23177	15808
Sep-07	18	9	23196	15817
Oct-07	18	9	23213	15826
Nov-07	17	9	23231	15835
Dec-07	17	8	23248	15843
Jan-08	16	8	23264	15851
Feb-08	16	8	23280	15859
Mar-08	15	7	23295	15866
Apr-08	15	7	23310	15873
May-08	14	7	23324	15880
Jun-08	14	7	23338	15887
Jul-08	14	7	23352	15894
Aug-08	13	6	23365	15900
Sep-08	13	6	23377	15906
Oct-08	12	6	23390	15912

Production Projection

Nov-08	12	6	23402	15917
Dec-08	12	5	23413	15923
Jan-09	11	5	23424	15928
Feb-09	11	5	23435	15933
Mar-09	11	5	23446	15938
Apr-09	10	5	23456	15943
May-09	10	5	23466	15948
Jun-09	10	4	23475	15952
Jul-09	9	4	23485	15956
Aug-09	9	4	23494	15960
Sep-09	9	4	23503	15964
Oct-09	8	4	23511	15968
Nov-09	8	4	23519	15972
Dec-09	8	4	23527	15976
Jan-10	8	3	23535	15979
Feb-10	7	3	23542	15983
Mar-10	7	3	23550	15986
Apr-10	7	3	23557	15989
May-10	7	3	23563	15992
Jun-10	7	3	23570	15995
Jul-10	6	3	23576	15998
Aug-10	6	3	23583	16001
Sep-10	6	3	23589	16003
Oct-10	6	3	23594	16006
Nov-10	6	2	23600	16008
Dec-10	5	2	23606	16011
Jan-11	5	2	23611	16013
Feb-11	5	2	23616	16015
Mar-11	5	2	23621	16017
Apr-11	5	2	23626	16019
May-11	5	2	23630	16021
Jun-11	5	2	23635	16023
Jul-11	4	2	23639	16025
Aug-11	4	2	23644	16027
Sep-11	4	2	23648	16029
Oct-11	4	2	23652	16030
Nov-11	4	2	23656	16032
Dec-11	4	2	23659	16034
Jan-12	4	2	23663	16035
Feb-12	4	1	23667	16037
Mar-12	4	1	23670	16038
Apr-12	3	1	23673	16039
May-12	3	1	23677	16041
Jun-12	3	1	23680	16042
Jul-12	3	1	23683	16043
Aug-12	3	1	23686	16044
Sep-12	3	1	23689	16046
Oct-12	3	1	23691	16047
Nov-12	3	1	23694	16048

Production Projection

Dec-12	3	1	23697	16049
Jan-13	3	1	23699	16050
Feb-13	2	1	23702	16051
Mar-13	2	1	23704	16052
Apr-13	2	1	23706	16053
May-13	2	1	23708	16053
Jun-13	2	1	23711	16054
Jul-13	2	1	23713	16055
Aug-13	2	1	23715	16056
Sep-13	2	1	23717	16057
Oct-13	2	1	23718	16057
Nov-13	2	1	23720	16058
Dec-13	2	1	23722	16059
Jan-14	2	1	23724	16059
Feb-14	2	1	23726	16060
Mar-14	2	1	23727	16061
Apr-14	2	1	23729	16061
May-14	2	1	23729	16062
Jun-14	1	1	23730	16062
Jul-14	1	1	23732	16062
Aug-14	1	1	23733	16063
Sep-14	1	1	23735	16063
Oct-14	1	1	23736	16064
Nov-14	1	0	23737	16064
Dec-14	1	0	23738	16065
Jan-15	1	0	23740	16065
Feb-15	1	0	23741	16066
Mar-15	1	0	23742	16066
Apr-15	1	0	23743	16067
May-15	1	0	23744	16067
Jun-15	1	0	23745	16067
Jul-15	1	0	23746	16067
Aug-15	1	0	23747	16068
Sep-15	1	0	23748	16068
Oct-15	1	0	23749	16068
Nov-15	1	0	23750	16069
Dec-15	1	0	23751	16069
Jan-16	1	0	23752	16070
Feb-16	1	0	23753	16070
Mar-16	1	0	23753	16070
Apr-16	1	0	23754	16071
May-16	1	0	23755	16071
Jun-16	1	0	23756	16071
Jul-16	1	0	23756	16071
Aug-16	1	0	23757	16072
Sep-16	1	0	23758	16072
Oct-16	1	0	23758	16072
Nov-16	1	0	23759	16072
Dec-16	1	0	23760	16072
		0	23760	16073

**TEXACO EXPLORATION AND PRODUCTION INC
WORKOVER PROGRESS AND SUMMARY REPORT**

Operator: TEPI Lease/Well# Cooper Jal Unit #136
Lease Type: Federal State Fee x Lease# API# 3002509640
Well Type: Oil x Gas Service FRS ID #: 333000061800470
Field Langlie and Jalmat County Lea NM
Workover Purpose Clean out fill and resize pump Start Date 8/6/97
TD or Surf Intm Prod
PBDT 3345 Csg @ Csg @ Csg 5.5 @ 3540
IDC Est. No. Rig Days: Appropriation:
EXP Est. No. 67080069 Est 3 Cash \$ 7700
EQP Est. No. Act 2 MOH \$
TOTAL \$ 7700
Prepared By: Denise Wann Approved By: Tom Sebastain

Comments

KDB=12' PBTD@3345' Production Casing: 5.5" 15.5# @3540'.

CURRENT ZONE & PERFS: 3013-3077

CURRENT STATUS: pumping

----- FINAL REPORT -----

Rig Down Date 8/7/97 Field Estimated 100% Cost: \$
Test @ Completion: Date 9/5/97 Status PMP BO 35 BW 34 MCFD 21
GOR API Grav @60 CK /64 TP Pmp Dia. 1.25 SPM/LS 8 / 64
Perfs: Top 3013 Btm 3077 Zone Name Jalmat oil
Test Prior: Status pumping BO 24 Water 23 MCFD 18 Ck /64 TP
PO31 Status Change: From WO to producing

GAS FLOW SCHEMATIC CHANGE NEEDED: YES NO xPRODUCTION INCREASE of30 DAY AFTER PRODUCTION INCREASE of

-----**WORK PERFORMED SUMMARY**-----

-----**DAILY WORKOVER REPORT**-----

8/6/97 MIRU Dawson Production Service. Pooh w/rods. Parted at 2nd sinker bar. Tih and fished sinker bars and pump and toh. SION

8/7/97 Dropped standing valve and pressure tbg w/500 psi. By XL transport pumped 2000 gals 15% nefe down annulus. Retrieve standing valve and swab back load. Tih w/new close tolerance pump and rods. Hang on and rig down unit.

8/8-9/97 Pump well to battery--no test

8/10/97 Pressure tbg w/500#. By XL pump 1 drum TH 793 mixed in 20 bbls water and flushed w/100 bbls water. SION.

8/11/97 Pump well to battery--no test

PRODUCTION INCREASE of: Final OPT test 9/5/97 35 oil 35 water 21 mcf