

District I - (505) 393-6161
1625 N. French Dr
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
District IV - (505) 827-7131

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
Revised 06/99

SUBMIT ORIGINAL
PLUS 2 COPIES
TO APPROPRIATE
DISTRICT OFFICE

APPLICATION FOR
WELL WORKOVER PROJECT

H-0565

I. Operator and Well

Operator name & address Texaco Exploration & Production Inc 205 E Bender Blvd. Hobbs, New Mexico 88240							OGRID Number 022351		
Contact Party Bobby McCurry							Phone 505-397-0446		
Property Name New Mexico L State					Well Number 18		API Number 30 025 33301		
UL A	Section 1	Township 18S	Range 34E	Feet From The 810	North/South Line North	Feet From The 650	East/West Line East	County Lea	

II. Workover

Date Workover Commenced: 11/19/98	Previous Producing Pool(s) (Prior to Workover): Vacuum Wolfcamp
Date Workover Completed: 01/16/99	

III. Attach a description of the Workover Procedures performed to increase production.

IV. Attach a production decline curve or table showing at least twelve months of production prior to the workover and at least three months of production following the workover reflecting a positive production increase.

V. AFFIDAVIT:

State of N. M.)

) ss.

County of Lea)

Russell 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 reasonably available for this Well.
3. To the best of my knowledge, this application and the data used to prepare the production curve and/or table for this Well are complete and accurate.

Signature [Signature] Title Senior Engineer Hobbs Operating Unit Date 10/26/99
SUBSCRIBED AND SWORN TO before me this 26th day of Oct, 1999.

[Signature]
Notary Public

My Commission expires: 2-29-00

FOR OIL CONSERVATION DIVISION USE ONLY:

VI. CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a Well Workover Project and the Division hereby verifies the data shows a positive production increase. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project was completed on 1-16, 1999.

Signature District Supervisor <u>[Signature]</u>	OCD District <u>1</u>	Date <u>12/3/1999</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT: _____

mfp

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.	30-025-33301
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	B-1733
7. Lease Name or Unit Agreement Name	NEW MEXICO L STATE
8. Well No.	18
9. Pool Name or Wildcat	VACUUM WOLFCAMP

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 A : 810 Feet From The NORTH Line and 650 Feet From The EAST Line
Section 1 Township 18S Range 34E NMPM LEA COUNTY

10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3982' GR

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: ☒ PLUG BACK ATOKA, PERF, STIM WOLFCAMP

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.

11-19-98: MIRU. TOH W/SUBS & RDS. FSH RDS. NDWH. NUBOP.
11-20-98: RU PUMP TRUCK. PUMP 55 BBLS 2% KCL DN CSG. REL TAC. RU & SCANALOG TBG OUT OF HLE. TIH W/BIT, CSG SCRAPER, & 2 7/8" TBG TO 11,297'. TOH W/TBG TO 3703'.
11-21-98: TOH W/SCRAPER & BIT. TIH W/TP, PKR, SN, & 2 7/8" TBG & TEST TO 6500 PSI. PSA 10,985'. TP @ 11,048'. RU PUMP TRUCK. PSI CSG TO 1250 PSI-OK. ESTAB RATE DN TBG @ 2 BPM @ 4240'.
11-23-98: BLED DN & RIG UP SWAB. PSI CSG TO 500-OK. ACIDIZE ATOKA PERFS FR 11,092-11,110' W/2000 GALS 15% NEFE HCL ACID & 100-7/8" BALL SEALERS. FLSH W/69 BBLS 2% KCL. FL @ 600'. END FL @ 6500'.
11-24-98: FL @ 9500'. END FL @ 9500'.
11-25-98: REL PKR. TOH W/TBG & PKR. TIH W/CIBP & SET @ 11,050'. TIH W/CMT BAILER @ DUMP 35' CMT ON TOP OF CIBP FOR NEW PBTD @ 11,015'.
11-30-98: RU LUBRICATOR. TIH W/PERF GUNS. PERF 9710-16, 9759-66, 9813-18, 9966-72, 9984-92, 10,196-208. TOH W/GUNS. TIH W/PKR, SN, & 2 7/8" TBG. PSA 9622'. LOAD CSG W/2% KCL & PSI CSG TO 500-OK.
12-01-98: PSI CSG TO 500-OK. REL PKR & TIH TO 10,126'. SPOT 6 BBLS ACID ACR PERFS. PULL PKR TO 9622'. SET & PSI CSG TO 500-OK. ACIDIZE LOWER WOLFCAMP PERFS 9710-10,126' W/3300 GALS 15% NEFE HCL ACID & 1000# RK SLT.
12-02-98: SWABBING. GOOD GAS FLOW.
12-03-98: REL PKR. TOH W/2 7/8" TBG TO 3212'.
12-04-98: RU PUMP TRUCK. KILL WELL W/30 BBLS 2% KCL. TOH W/TBG & PKR. TIH W/PERF GUN & PERF 9452-9508'. TIH W/RBP & PKR & TBG TO 2546'.
12-05-98: KILL WELL W/30 BBLS 2% KCL. TIH W/TBG. SET RBP @ 9624'. TEST RBP TO 1000#-OK. REL PKR.
12-08-98: TIH W/TBG TO 9496'. SPOT 4 BBLS ACID ACR PERFS. PULL PKR TO 9275' & SET. PRESS CSG TO 750#-OK. ACIDIZE UPPER WOLFCAMP PERFS 9452-9508' W/3350 GALS 15% NEFE HCL & 1000# RK SLT. REL PKR. TIH W/PKR, SN & TBG. PSA 9279'.
12-09/10-98: SWABBING.
12-11-98: REL PKR. TOH W/TBG. RAN OPMA, PERF SUB, SN, TBG, TAC. OPMA @ 9608'. SN @ 9565'. TAC @ 9373'. NDBOP. SET TAC. NUWH.
12-14-98: POUR 5 GALS TH-5315 CHEM DN TBG. TIH W/GAS ANCHOR, PUMP, LIFT SUB, K-BARS. HANG WELL ON LOAD & PSI TO 500-OK.

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

SIGNATURE J. Denise Leake TITLE Engineering Assistant DATE 1/18/99

TYPE OR PRINT NAME J. Denise Leake Telephone No. 397-0405

(This space for State Use)

APPROVED BY GARY TITLE DATE MAY 04 1999

CONDITIONS OF APPROVAL, IF ANY:

(CONT)

CHECK PUMP ACTION-OK. WELL PUMPING @ 10.5 SPM & 125" STROKE. RIG DOWN 12-15-98.

12-27-98: PUMPED UPPER WOLFCAMP-0 BO, 401 BW, & 4 MCF.

12-28-98: UNSET PUMP & TOH W/LINER RDS, PUMP, & GAS ANCHOR. NDWH. NUBOP. REL TAC. TOH W/TBG. TIH W/2 7/8" TBG OPEN ENDED TO 7619'.

12-29-98: TIH W/TBG TO 9522'. RU PUMP TRUCK. CIRC HLE W/280 BBLS 2% KCL & SPOT 200# 20.40 SAND ON TOP OF RBP. TOH W/TBG. TIH W/TBG TO TAG SAND. TAG RBP @ 9624'. NO SAND ON TOP OF PLUG. SPOT 400# 12/20 SAND. PULL 40 JTS. TIH W/TBG & TAG SAND @ 9599'. 25' FILL ON TOP OF RBP. TOH W/2 7/8" TBG.

12-30-98: TIH W/CMT RET ON TBG & Set @ 9305'. TEST TBG TO 3000#-OK. LOAD & PRESS BACKSIDE TO 500#-OK. ESTAB RATE INTO PERFS 9452-9508' W/20 BFW. PUMP 200 SX CL H CMT. FLSH W/41 BFW. STING OUT OF RET. REV OUT W/65 BFW. REV OUT 70 SX CMT TO PIT.

12-31-98: RU REV UNIT. TIH W/NEW BIT, DC'S ON TBG. TAG CMT ON TOP OF RET @ 9298'.

1-04-99: LOWER BIT 9260-9298'. TAG CMT. DRILL CMT 9298-9305'. DRILL RET 9305-9307'. DRILL CMT 9307-9382'. CIRC CLN.

1-05-99: BREAK CIRC & DRILL CMT 9382-9507'. FELL OUT CMT. PSI CSG TO 550 PSI. LOST TO 490 PSI. RETEST CSG TO 350 PSI. LOST TO 310 PSI. TIH & TAG SAND @ 9594'. WASH SAND TO RBP @ 9624'. CIRC CLN.

1-06-99: REPAIR RIG. TOH W/TBG. LD DC'S & BIT. TIH W/RETR TOOL TO 9300'.

1-07-99: TIH W/TBG TO RBP @ 9624'. CIRC HLE W/200 BBLS 2% KCL. LATCH ONTO RBP & REL. TIH W/OPSMA, PERF SUB, TAC, SN, & TBG. TEST TO 5000#. KB-18'. MA @ 10,331'. SN @ 10,293'. TAC @ 10,294'. NDBOP. NUWH.

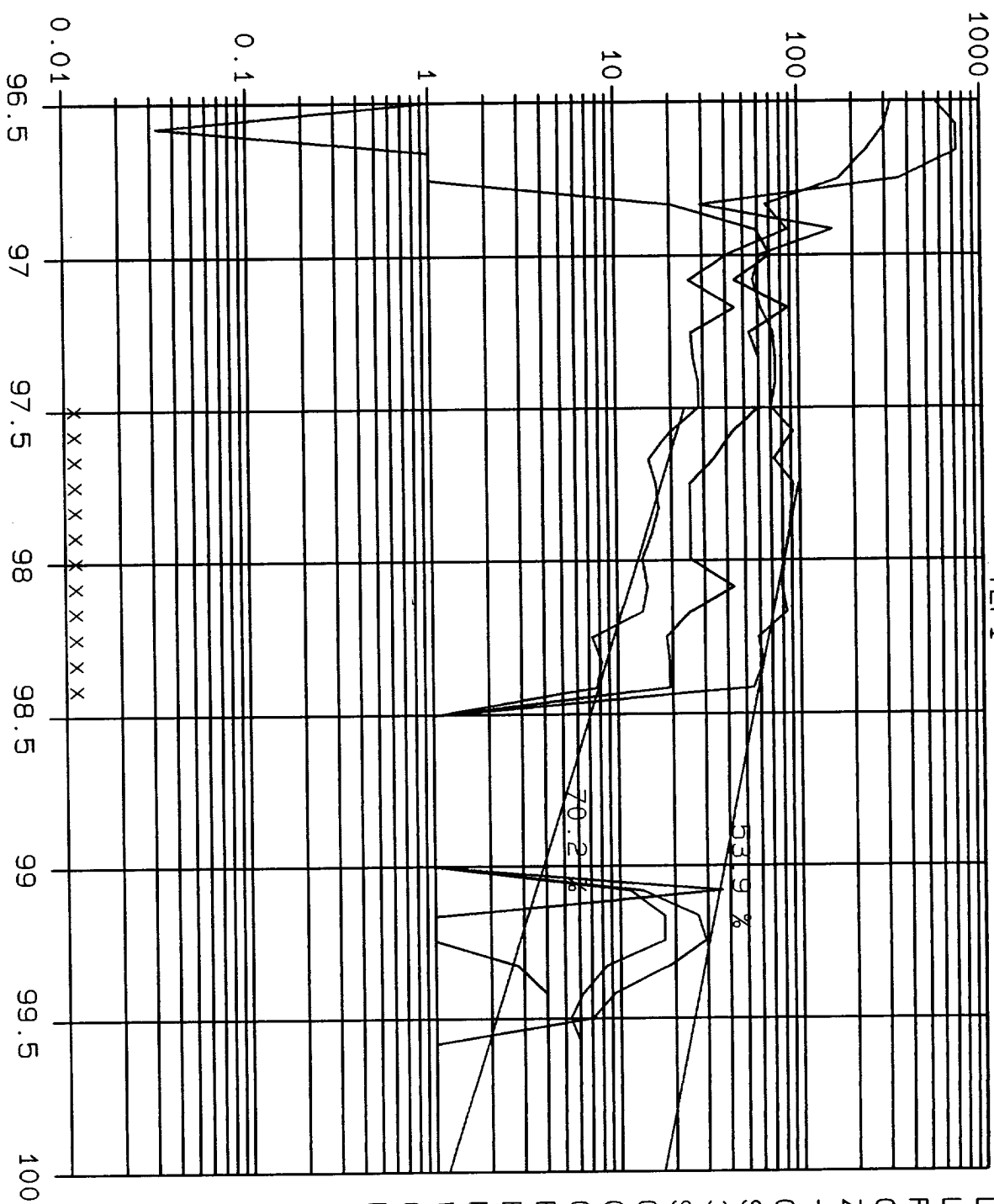
1-08-99: TIH W/GAS ANCHOR, PUMP, LIFT SUB, SNKR BARS, RDS. HANG ON & TEST TO 500#-OK. RIG DOWN.

1-16-99: ON 24 HR OPT. PUMPED 45 BO, 17 BW, & 60 MCF. GOR-1333. API GRAV-40.6@60.

FINAL REPORT

NEW MEXICO -L- STATE 18

TEPI



YEARS

BOPD BWPD MCF

LEASE DATA
 LSE
 FLD
 OPER TEPI
 ZONE
 --
 COUNTY 025
 STATE 30
 30025333010002
 STATUS 7-99
 CO 49 MBO
 CG 122 MMCF
 CM 26 MBW
 BOPD 6
 BWPD 4
 MCFFPD 0
 WELLS 1
 CI 0 MBWI
 BWIPD 0

Production Projection

Well Name & #:

New Mexico L State #18

Prior Oil Prod. Rate (BOPD):

45

Producing Formation:

Vacuum Wolfcamp

Oil Decline Factor:

0.904537909

Oil Decline Rate (%):

70

Prior Gas Prod. Rate (MCFGD):

60

Gas Decline Rate (%):

54

Completion Date (m/yr):

Jan-99

Gas Decline Factor:

0.937338568

Month	Projected Oil Production	Projected Gas Production	Projected Cumulative Oil Production	Projected Cumulative Gas Production
Jan-99	1368	1824	1368	1824
Feb-99	1237	1710	2605	3534
Mar-99	1119	1603	3725	5136
Apr-99	1012	1502	4737	6638
May-99	916	1408	5653	8046
Jun-99	828	1320	6481	9366
Jul-99	749	1237	7231	10603
Aug-99	678	1160	7908	11763
Sep-99	613	1087	8521	12850
Oct-99	555	1019	9076	13869
Nov-99	502	955	9577	14824
Dec-99	454	895	10031	15719
Jan-00	410	839	10442	16558
Feb-00	371	786	10813	17344
Mar-00	336	737	11149	18081
Apr-00	304	691	11452	18772
May-00	275	648	11727	19420
Jun-00	249	607	11976	20027
Jul-00	225	569	12200	20596
Aug-00	203	533	12404	21130
Sep-00	184	500	12588	21630
Oct-00	166	469	12754	22098
Nov-00	150	439	12904	22538
Dec-00	136	412	13041	22949
Jan-01	123	386	13164	23335
Feb-01	111	362	13275	23697
Mar-01	101	339	13376	24036
Apr-01	91	318	13467	24354
May-01	82	298	13549	24652
Jun-01	75	279	13624	24931
Jul-01	67	262	13691	25193
Aug-01	61	245	13752	25438
Sep-01	55	230	13807	25668
Oct-01	50	216	13857	25884
Nov-01	45	202	13903	26086
Dec-01	41	189	13943	26275

Production Projection

Jan-02	37	178	13980	26453
Feb-02	33	166	14014	26619
Mar-02	33	166	14014	26619
Apr-02	30	156	14044	26775
May-02	27	146	14071	26922
Jun-02	25	137	14096	27059
Jul-02	22	128	14118	27187
Aug-02	20	120	14139	27308
Sep-02	18	113	14157	27420
Oct-02	17	106	14173	27526
Nov-02	15	99	14188	27625
Dec-02	14	93	14202	27718
Jan-03	12	87	14214	27805
Feb-03	11	82	14225	27887
Mar-03	11	82	14225	27887
Apr-03	10	77	14235	27964
May-03	9	72	14244	28035
Jun-03	8	67	14253	28103
Jul-03	7	63	14260	28166
Aug-03	7	59	14267	28225
Sep-03	6	55	14273	28280
Oct-03	5	52	14278	28332
Nov-03	5	49	14283	28381
Dec-03	4	46	14288	28426
Jan-04	4	43	14292	28469
Feb-04	4	40	14295	28509
Mar-04	4	40	14295	28509
Apr-04	3	38	14299	28547
May-04	3	35	14302	28582
Jun-04	3	33	14305	28615
Jul-04	2	31	14307	28646
Aug-04	2	29	14309	28675
Sep-04	2	27	14311	28702
Oct-04	2	25	14313	28728
Nov-04	2	24	14315	28752
Dec-04	1	22	14316	28774
Jan-05	1	21	14318	28795
Feb-05	1	20	14319	28815
Mar-05	1	18	14320	28833
Apr-05	1	17	14321	28850
May-05	1	16	14322	28867
Jun-05	1	15	14323	28882
Jul-05	1	14	14323	28896
Aug-05	1	13	14324	28909
Sep-05	1	13	14325	28922
Oct-05	1	12	14325	28933
Nov-05	0	11	14326	28944
Dec-05	0	10	14326	28955
Jan-06	0	10	14326	28964