

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division
811 S. 1st Street
Artesia, NM 88210-2834
FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

C1515

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT --" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well. OIL WELL ☒ GAS WELL OTHER
2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.
3. Address and Telephone No. 500 N. LORRAINE, MIDLAND, TX 79701 915-688-4752
205 E. Bender, HOBBS, NM 88240 807-8405
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Unit Letter K : 1650' Feet From The SOUTH Line and 1650' Feet From The
WEST Line Section 33 Township 24-S Range 26-E
8. Well Name and Number WHITE CITY COM UNIT
9. API Well No. 2
30-015-31384
10. Field and Pool, Exploaratory Area WHITE CITY PENN (GAS) MORROW
11. County or Parish, State EDDY

12. Check Appropriate Box(s) To Indicate Nature of Notice, Report, or Other Data

TYPE OF SUBMISSION

TYPE OF ACTION

Notice of Intent
☒ Subsequent Report
Final Abandonment Notice

Abandonment
Recompletion
Plugging Back
Casing Repair
Attaching Casing
☒ OTHER: FINAL TEST

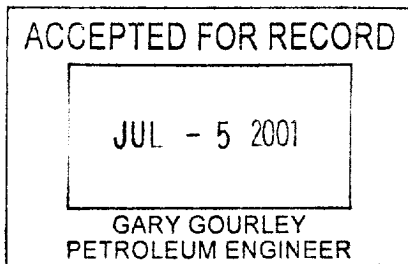
Change of Plans
New Construction
Non-Routine Fracturing
Water Shut-Off
Conversion to Injection
Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

6-08-01: ON 24 HR OPT. FLOWING 437 MCFG. NO OIL, NO WATER.

FINAL REPORT



Well Completion
3160-4 →

14. I hereby certify that the foregoing is true and correct.

SIGNATURE

J. Denise Leake

TITLE

Engineering Assistant

DATE

6/15/01

TYPE OR PRINT NAME

J. Denise Leake

(This space for Federal or State office use)

APPROVED

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Conservation Division
811 S. 1st Street
Artesia, NM 88210-2834
FORM APPROVED
Bureau No. 1004-0137
Expires: December 31, 1991
5. Lease Designation and Serial No.
NM0441951

SUBMIT ORIGINAL WITH 5 COPIES

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. Type of Well: OIL WELL GAS WELL ☒ DRY OTHER
1b. Type of Completion: NEW WELL ☒ WORK OVER DEEPE N PLUG BACK DIFF. RESVR OTHER

2. Name of Operator

TEXACO EXPLORATION & PRODUCTION INC.

3. Address and Telephone No. 500 N. LDRINE, MIDLAND, TX 79701
205 E. Bender, HOBBS, NM 88240

4. Location of Well (Report location clearly and in accordance with any State requirements.)*

At Surface

Unit Letter K : 1650' Feet From The SOUTH Line and 1650' Feet From The WEST Line

At proposed prod. zone

At Total Depth

14. Permit No. Date Issued 12. County or Parish EDDY 13. State NM
15. Date Spudded 12/18/00 16. Date T.D. Reached 2/6/01 17. Date Compl. (Ready to Prod.) 2/22/01 18. Elevations (Show whether DF, RT, GR, etc.) 19. Elev. Casinhead

20. Total Depth, MD & TVD 11,561' 21. Plug Back T.D., MD & TVD 22. If Multiple Compl., How Many* 23. Intervals Drilled By --> Rotary Tools Cable Tools

24. Producing Interval(s), Of This Completion -- Top, Bottom, Name (MD and TVD)*

10893-11438' MORROW

25. Was Directional Survey Made YES

26. Type Electric and Other Logs Run

GR/CCL, PLATFORM EXPRESS

27. Was Well Cored YES

28. CASING RECORD (Report all Strings set in well)

CASING SIZE & GRADE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENT RECORD	AMOUNT PULLED
13 3/8"		405'	17 1/2"	521 SX CMT - CIRC 67	
9 5/8"		1650'	12 1/4"	1000 SX CMT-CIRC 261	
7"		8529'	8 3/4"	1600 SX-CIRC 249 SX	

29. SIZE TOP BOTTOM
4 1/2" 8024'

LINE RECORD
ACCEPTED FOR RECORD
JUL - 5 2001
GARY GOURLEY
PETROLEUM ENGINEER

30. TUBING RECORD
SCREEN SIZE DEPTH SET PACKER SET
2 3/8" 11,143'

31. Perforation record (interval, size, and number)
10893-11438'

32. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED
10893-11438 2500 GALS 20% HCL &
2500 GALS METHANOL

33. PRODUCTION

Date First Production 3/5/01 Production Method (Flowing, gas lift, pumping - size and type pump) FLOWING Well Status (Prod. or Shut-in) FLOWING
Date of Test 6-08-01 Hours tested 24 HRS Choke Size Prod'n For Test Period Oil - Bbl. 0 Gas - MCF 437 Water - Bbl. 0 Gas - Oil Ratio
Flow Tubing Press. Casing Pressure Calculated 24-Hour Rate Oil - Bbl. Gas - MCF Water - Bbl. Oil Gravity - API -(Corr.)

34. Disposition of Gas (Sold, used for fuel, vented, etc.)
SOLD

Test Witnessed By

35. List of Attachments

NOTARIZED DEVIATIONS, C-122

36. I hereby certify that the foregoing is true and correct

SIGNATURE J. Denise Leake
TYPE OR PRINT NAME J. Denise Leake

TITLE Engineering Assistant

DATE 6/15/01

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cored intervals; and all drill-stem, tests including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

	FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
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FORMATION TOP BOTTOM

TOP

FORMATION

BELL CANYON

1830.

BONE SPRING

5270'

WOLFCAMP

8020'

STRAWN

9990.

АТОНА

10 108'

MORROW

10 876"

DESCRIPTION
SAND, SHALE, LIMESTONE
LIMESTONE, SHALE, SAND
LIMESTONE, SHALE
SAND, SHALE
LIMESTONE, SAND, SHALE
SAND, SHALE, LIMESTONE

GEOLOGIC MARKERS

NAME

TOP

MEAS. DEPTH

TRUE VERT. DEPTH

Submit in duplicate to
appropriate district office.
See Rule 401 & Rule 1122

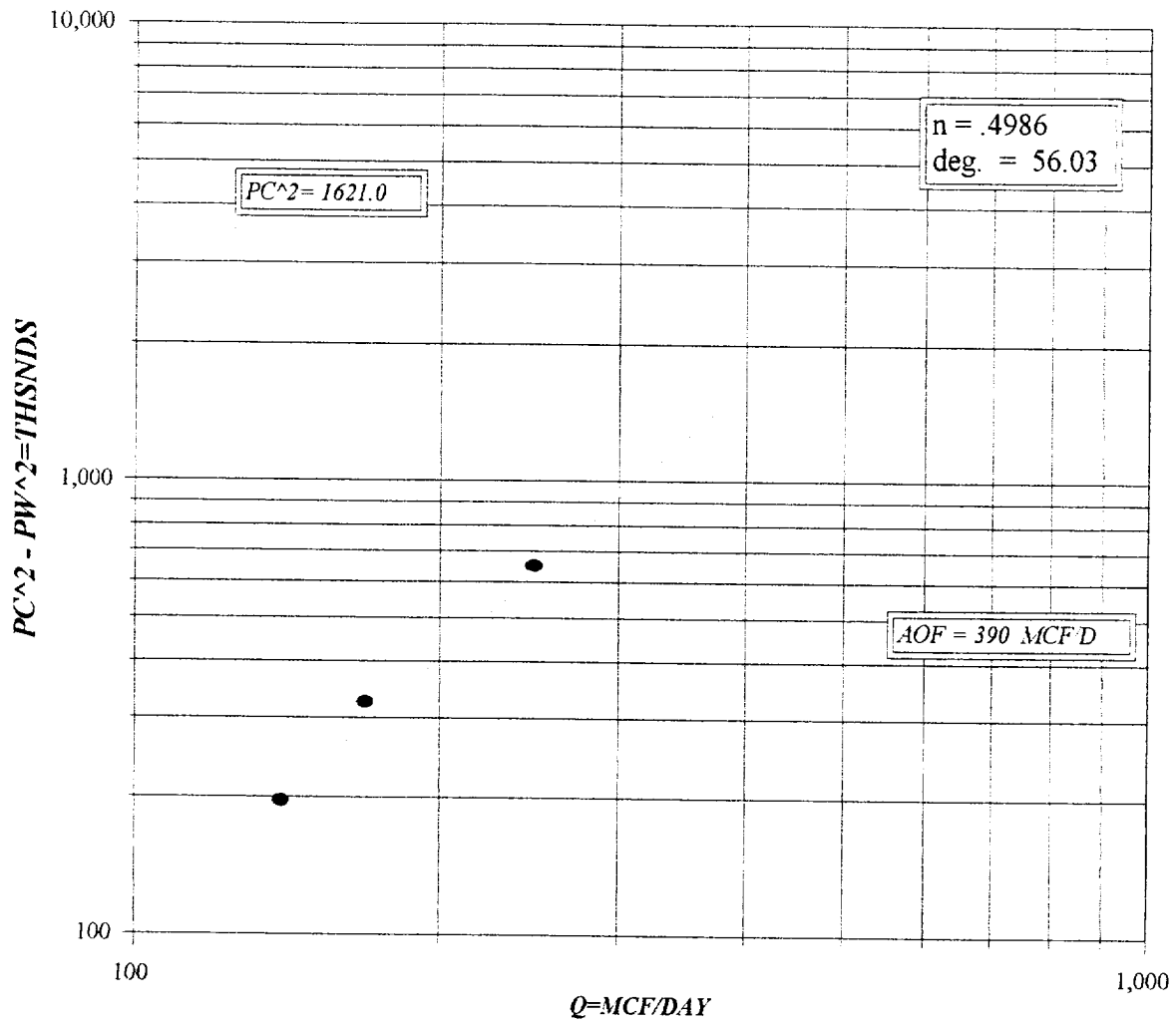
State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

Form C-122
Revised October, 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator TEXACO E&P				Lease or Unit Name WHITE CITY COM			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 6/5/01		Well No. 2	
Completion Date		Total Depth 11561		Plug Back TD 11514		Elevation 3389	
Csg. Size 4 1/2		Wt. d 11.6 4		Set At 11561		Perforations: From: 10893 To: 11438	
Tbg. Size 2 3/8		Wt. d 4.7 1.995		Set At 10809		Perforations: From: To:	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 10809		Formation	
Producing Thru TUBING		Reservoir Temp. °F 182.1		Mean Annual Temp. °F 60		Baro. Press. -P _a 13.2	
L 10809		H 10809		Gg 0.57		%CO ₂ 0.866	
				%N ₂ 0.396		%H ₂ S N/A	
				Prover N/A		Meter Run 3.068	
						Taps FLG	
FLOW DATA				TUBING DATA			
Casing Data				Duration of Flow			
No.	Prover Line Size	Orifice Size	Press p.s.i.g.	Diff. h _w	Temp. °F	Press p.s.i.g.	Temp. °F
SI						1260	N/A
1	3.068 X 1.000		297	1.6	88	1180	
2	3.068 X 1.000		303	2.5	90	1125	
3	3.068 X 1.000		305	5.2	92	970	
4							
5							
RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress Factor F _{pv}	Rate of Flow Q, Mcfd
1							139.5
2	GAS	VOLUMES	FROM	TOTAL	FLOW	METER	169.2
3							247.6
4							
5							
No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio N/A Mcf bbl.		
1					A.P. I. Gravity of Liquid Hydrocarbons N/A Deg.		
2	TOTAL	FLOW	METER		Specific Gravity Separator Gas 0.57 XXXXXXXX		
3					Specific Gravity Flowing Fluid N/A XXXXXX N/A		
4					Critical Pressure 675 P.S.I.A. P.S.I.A.		
5					Critical Temperature 342 R. R.		
P _c 1273.2		P _{c2} 1621					
No.	P _t ²	P _w	P _w ²	P _c ² -P _w ²	(1) $P_c^2 = \frac{2.485}{P_c^2 - P_w^2}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.574$		
1	1423.7	1193.5	1424.3	196.7			
2	1295.5	1138.6	1296.4	324.6			
3	966.7	984.2	968.7	652.4	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 0.390$		
4							
5							
Absolute Open Flow 390		Mcf/d @ 15.025		Angle of Slope (°): 63.5		Slope n: 0.4986	
Remarks: * NO LIQUID MADE DURING TEST. COULD NOT RUN 4TH RATE DUE TO HIGH LINE PRESSURE.							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	

TEXACO E&P
WHITE CITY COM #2



UNIT : SECTION : TOWNSHIP :
 L : 10809 H : 10809 L/ 1 G/GMIX : 0.570
 %CO2 : 0.866 %N2 : 0.396 H2S : DATE :6/5/01
 d : 1.995 Fr :0.018231 GH : 6161.1 RANGE :

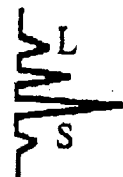
VOL 1 : 139.5 PSIA 1 : 1193.2 RESV.TEMP 182.1
 VOL 2 : 169 PSIA 2 : 1138.2
 VOL 3 : 248 PSIA 3 : 983.2 SHUT-IN PR= 1273.2
 VOL 4 : PSIA 4 :

PCR : 675
 TCR : 342

LINE	RATE 1		RATE 2		RATE 3		RATE 4	
	1ST	2ND	1ST	2ND	1ST	2ND	1ST	2ND
1 QM	0.140	0.140	0.169	0.169	0.248	0.248	0.000	0.000
2 TW	534	534	534	534	534	534	534	534
3 Ts	642.1	642.1	642.1	642.1	642.1	642.1	642.1	642.1
4 T	588.0	588.0	588.0	588.0	588.0	588.0	588.0	588.0
PR (est)	1.77		1.69		1.46		0.00	
5 Z(est)	0.882	0.874	0.886	0.878	0.895	0.888	ERR	ERR
6 TZ	518.9	514.1	520.8	516.0	526.6	522.0	ERR	ERR
7 GH/TZ	11.874	11.984	11.830	11.940	11.700	11.803	ERR	ERR
8 eS	1.561	1.567	1.558	1.565	1.551	1.557	ERR	ERR
9 l-e-S	0.359	0.362	0.358	0.361	0.355	0.358	ERR	ERR
10 Pt	1193.2	1193.2	1138.2	1138.2	983.2	983.2	0.0	0.0
11 Pt2 /1000	1423.7	1423.7	1295.5	1295.5	966.7	966.7	0.0	0.0
12 Fr	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231	0.018231
13 Fc=FrTZ	9.460	9.373	9.495	9.408	9.600	9.517	ERR	ERR
14 FcQm	1.32	1.31	1.61	1.59	2.38	2.36	ERR	ERR
15 L/H(FcQm)	1.7	1.7	2.6	2.5	5.6	5.6	ERR	ERR
16 Fw	0.625785	0.618835	0.924704	0.914515	2.006689	1.985726	ERR	ERR
17 Pw2	1424.4	1424.3	1296.4	1296.4	968.7	968.7	ERR	ERR
18 Ps2	2223.3	2232.5	2020.3	2028.6	1502.2	1508.0	ERR	ERR
19 Ps	1491.1	1494.2	1421.4	1424.3	1225.7	1228.0	ERR	ERR
20 P	1342.1	1343.7	1279.8	1281.2	1104.4	1105.6	ERR	ERR
21 Pr	1.99	1.99	1.90	1.90	1.64	1.64	ERR	ERR
22 Tr	1.72	1.72	1.72	1.72	1.72	1.72	1.72	1.72
23 Z	0.874	0.874	0.878	0.877	0.888	0.888	ERR	ERR

Pt2 = 1 Pw = 1193.5 *
 1295.5 1138.6 *
 966.7 984.2 *
 0.0 ERR *
 Pc2-Pw2= 196.7 Pw2 = 1424.3 *
 324.6 1296.4 *
 652.4 968.7 *
 ERR ERR *
 n = 0.499 *
 Pc2/(Pc2-Pw2) = 8.241 *
 4.994 *
 2.485 *
 ERR *
 [Pc2/Pc2-Pw2]n = 2.862 *
 2.230 *
 1.574 *
 ERR *
 ACF= Q 0.399 *
 0.377 *
 0.390 *
 ERR *

FORM C122-D



Laboratory Services, Inc.

4016 Fiesta Drive
Hobbs, New Mexico 88240

Telephone: (505) 397-3713

FOR: Texaco E & P, Inc.
Attention: Mr. R. W. Lemmons
P. O. Box 1749
Eunice, New Mexico 88231

SAMPLE:
IDENTIFICATION: White City Com. #2
COMPANY: TEPI
LEASE:
PLANT:

SAMPLE DATA: DATE SAMPLED: 6/5/01
ANALYSIS DATE: 6/5/01
PRESSURE - PSIG 230
SAMPLE TEMP. °F 91
ATMOS. TEMP. °F 94

GAS (XX) LIQUID ()
SAMPLED BY: Greg Myers-Pro Well
ANALYSIS BY: Vickie Biggs

REMARKS:

COMPONENT ANALYSIS

COMPONENT	MOL PERCENT	GPM
Hydrogen Sulfide (H2S)		
Nitrogen (N2)	0.396	
Carbon Dioxide (CO2)	0.866	
Methane (C1)	97.507	
Ethane (C2)	1.138	0.304
Propane (C3)	0.093	0.026
I-Butane (IC4)	0.000	0.000
N-Butane (NC4)	0.000	0.000
I-Pentane (IC5)	0.000	0.000
N-Pentane (NC5)	0.000	0.000
Hexane Plus (C6+)	0.000	
	100.000	0.830

BTU/CU.FT. - DRY 1007
AT 14.650 DRY 1004
AT 14.650 WET 987
AT 14.73 DRY 1010
AT 14.73 WET 992

MOLECULAR WT. 16.5154

SPECIFIC GRAVITY -
CALCULATED 0.570
MEASURED

LOCATION WHITE CITY COM UNIT #2

LEASE & WELL SEC 33, T24S, R26E EDDY COUNTY, NEW MEXICO
(Give Unit, Section, Township and Range)

OPERATOR TEXACO E&P P.O. BOX 3109, MIDLAND, TEXAS 79702

DRILLING CONTRACTOR NABORS DRILLING USA, INC.

The Undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

DEGREES @ DEPTH		DEGREES @ DEPTH		DEGREES @ DEPTH		DEGREES @ DEPTH	
3/4	135	3/4	2323	1/2	6729	2	10462
1	281	3/4	2610	1/2	6911	2 1/4	10554
1/2	405	3/4	2893	1	7130	2 1/4	10748
3/4	588	1	3193	1	7314	2 1/2	10908
1	779	1	3451	2	7524	1 3/4	11191
1	971	1	3751	1 3/4	7713	1 3/4	11509
2 3/4	1193	1	4042	1 1/2	7893		
3 3/4	1289	3/4	4342	1 1/2	8111		
4	1320	1/2	4652	1 3/4	8773		
2 3/4	1368	1	5088	1	8933		
2 1/4	1400	3/4	5391	1	9220		
2	1432	3/4	5694	1 3/4	9506		
1	1559	1 1/2	5995	1 1/2	9665		
1	1791	1 1/4	6363	1 3/4	9761		
1	2005	1	6545	2	10235		

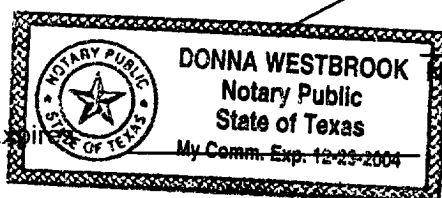
Drilling Contractor

Nabors Drilling USA, Inc.

By

Troy Blair Drilling Superintendent

Subscribed and sworn to before me this 21 day of February, 2001



Donna Westbrook
Notary Public

My Commission Expires

MIDLAND

County

TEXAS