8/18/97 NJL



NSL-REPC.)

OXY USA Inc. 6 Desta Drive, Suite 6000, Midland, TX 79705, P.O. Box 50250, Midland, TX 79710-0250 Telephone 915 685-5600 Fax 915 685-5754 July 25, 1997

New Mexico Oil Conservation Division 2040 S. Pacheco Street Santa Fe, NM 87505

Attention: Mr. Michael E. Stogner



Re: Application of OXY USA Inc. for Unorthodox Well Location Dow B Federal Lease, Well #1 2180' FSL & 1980' FEL, Unit J Section 33, Township 17 South, Range 31 East Cedar Lake (Atoka) Pool Eddy County, New Mexico

Dear Mr. Stogner:

OXY USA Inc. ("OXY") respectfully requests administrative approval under Rule 104 (F) to reenter this plugged and abandoned well and test the Atoka pool. Texaco well originally drilled this at an orthodox location for an east half 320-acre spacing unit. Since Texaco now has the north half of this section dedicated to their Dow B Federal Lease, Well #2, which produces from the Atoka, OXY proposes to designate the south half of the section as a 320-acre spacing unit for Atoka production. This, however, puts the wellbore at an unorthodox location, hence our request for NSL authority.

The need for the unorthodox location is based on the geology of the Atoka formation. In addition to the lease plat, attached is a structure map and cross-section A-A' of the Atoka. The proposed re-entry is located above the gas/water contact in the Atoka and in a potentially productive part of the reservoir. The log from the recently drilled OXY/Panther Federal #1 Well revealed that Atoka sand development disappears to the west of the proposed re-entry.

Also attached are Form C-102 and a "service list" which identifies all affected parties as defined in Rule 104 (F) (3). A copy of this cover letter, C-102 and lease plat have been sent certified mail, return receipt requested, to all parties on the service list. By copy of this letter they are hereby notified that if they have any objection it must be filed within twenty days from the date of this notice. An APD has been filed on this same date with the BLM.

NMOCD approval of this request will aid in protecting OXY's correlative rights and preventing waste. If I can provide any additional information to aid in processing this request, please call me at (915) 685-5913. Thank you for consideration of our application.

Sincerely,

Richard E. Foppiano, P.E. Regulatory Affairs Advisor

REF:ref Enclosures

E. Loco Hill Arioka Guis

SERVICE LIST

Mr. Tim Gum, Supervisor New Mexico Oil Conservation Division District II Office 811 S. First Street Artesia, New Mexico 88210

United States Department of the Interior Bureau of Land Management 2909 West Second Street Roswell, NM 88201

Texaco Exploration & Production, Inc. 205 East Bender Hobbs, New Mexico 88240

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[C]	Application is One	Which Requires Publis	hed Legal Notice	
[D]		Concurrent Approval b anagement - Commissioner of Public		
[E]	General of the above	e, Proof of Notification	or Publication is Attac	hed, and/or,

[F] U Waivers are Attached

INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding [3]

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I further verify that all applicable API Numbers are included. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Richard E. Foppiano Print or Type Name

Note: Statement must be completed by an individual with supervisory capacity.

uhaid E toppiano Regulatory Affairs Adv. 7/25/97 Title

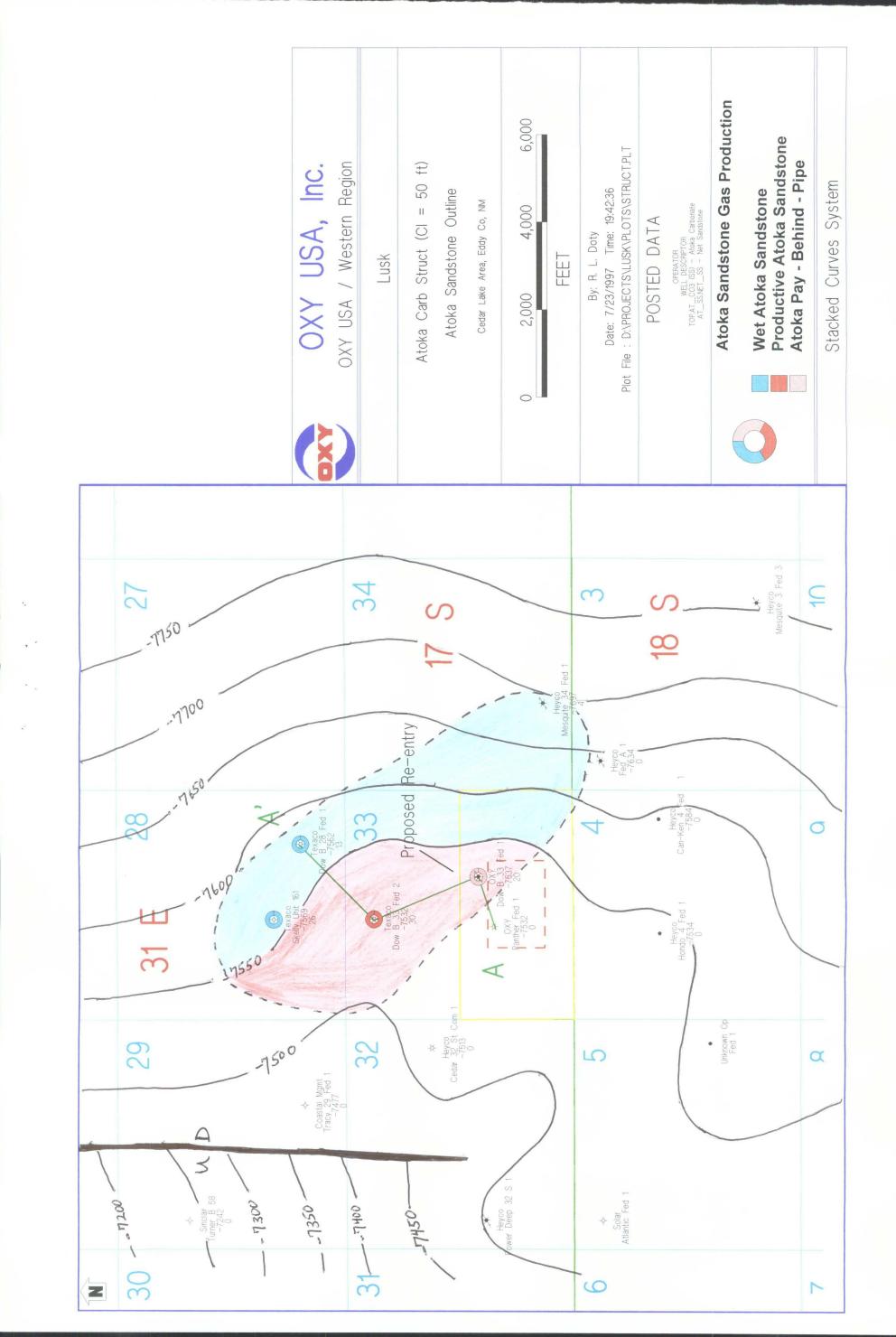
District I PO Box 1980, Hobbs, NM 88241-1980 District IJ PO Drawer DD, Artesia, NM 88211-0719 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV PO Box 2088, Santa Fe, NM 87504-2088

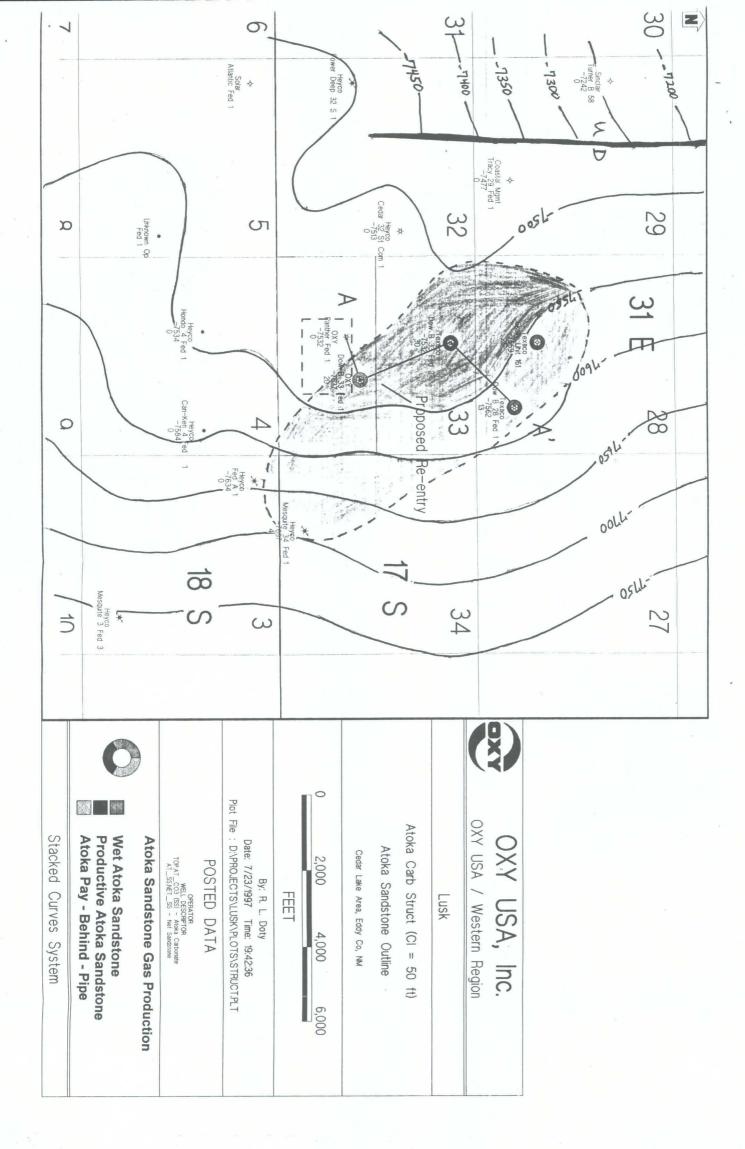
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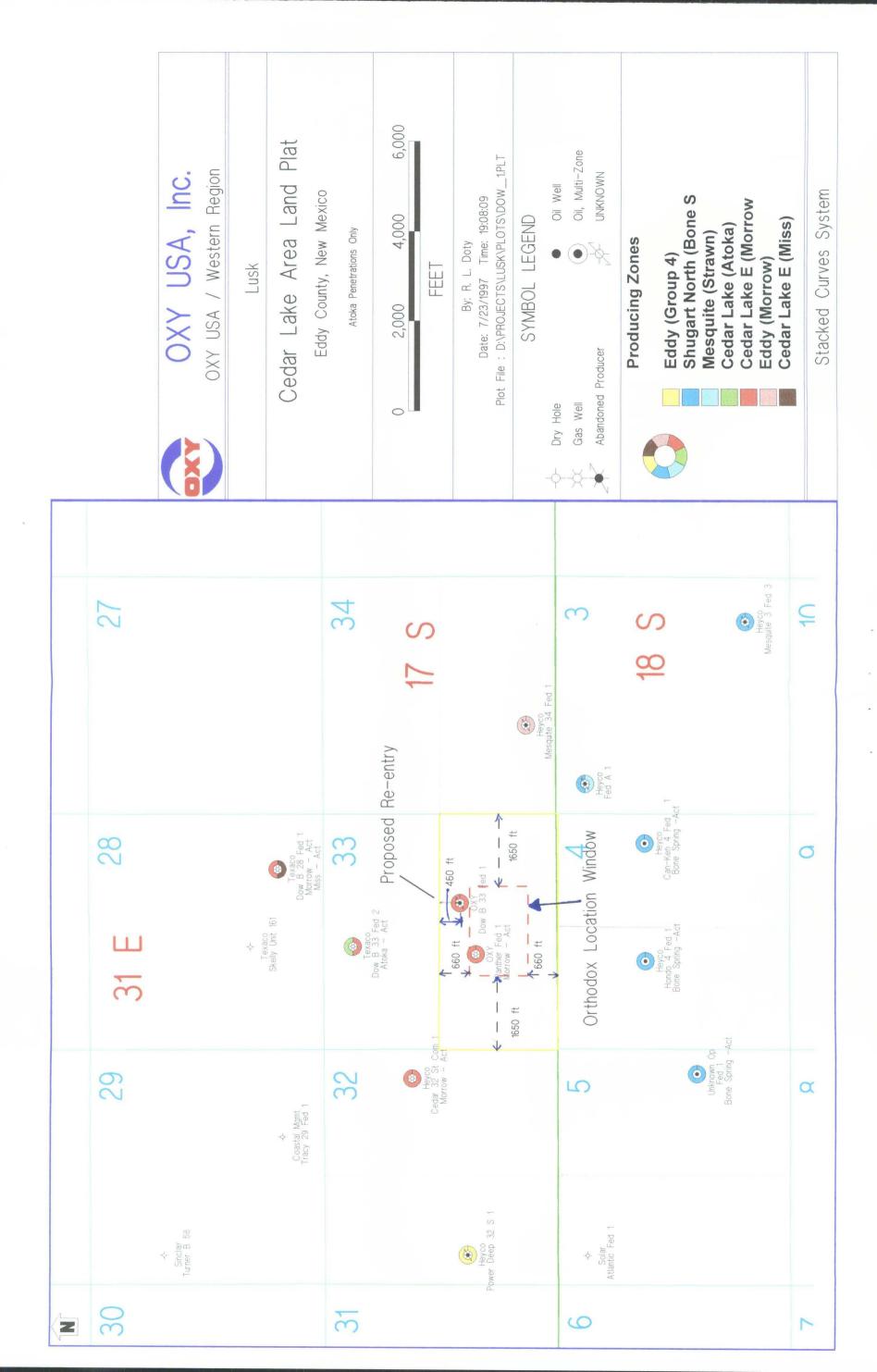
OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Form C-102 Revised February 10, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

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STATE OF NEW MEXICO



ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION 2040 S. PACHECO SANTA FE, NEW MEXICO 87505 (505) 827-7131

August 1, 1995

Texaco Exploration and Production, Inc. P. O. Box 3109 Midland, Texas 79702

Attention: C. Wade Howard

Administrative Order DD-107

Dear Mr. Howard:

Under the provisions of General Rule 111 (c), (d) and (e), Texaco Exploration and Production, Inc. made application to the New Mexico Oil Conservation Division on June 28, 1995, for authorization to recomplete its existing Dow "B-33" Federal Well No. 1 in Eddy County, New Mexico by side tracking off of the vertical wellbore and directionally drill to a pre-determined bottom-hole location in order to further deplete the East Cedar Lake-Morrow Gas Pool underlying the standard 320-acre gas spacing and proration unit comprising the S/2 of said Section 33.

The Division Director Finds That:

- (1) The application has been duly filed under the provisions of Rule 111(d) and (e) of the Division General Rules and Regulations;
- (2) The Dow "B-33" Federal Well No. 1 (API No. 30-015-27068), located 2180 feet from the South line and 1980 feet from the East line (Unit J) of Section 33, Township 17 South, Range 31 East, NMPM, Eddy County, New Mexico, was originally drilled in August/September 1992 to a total depth of 12,050 and was completed as a gas well in the Morrow formation;
- (3) The applicant/operator proposes to kick off vertical at a depth of approximately 10,341 feet in a westerly direction and drill in such a manner as to bottom back in the Morrow formation at a true vertical depth of approximately 11,800 feet at a standard gas well location within the NE/4 SW/4 (Unit K) of said Section 33;

Administrative Order DD-107 Texaco Exploration and Production, Inc. August 1, 1995 Page No. 3

(4) The S/2 of said Section 33 shall be dedicated to said well to form a standard 320acre gas spacing and proration unit for said interval.

(5) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

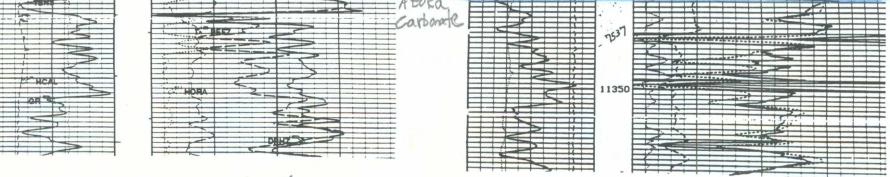
STATE OF NEW MEXICO OIL CONSERVATION DIVISION 0 WILLIAM J. LEMAY Director

SEAL

WJL/MES/kv

cc: Oil Conservation Division - Artesia U. S. Bureau of Land Management - Carlsbad

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Addition BUKEAU Or the formula of t	EXPLORATION AND PRODUCTION INC.'S	DOW B 33 FEDERAL #2 WELL LOCAT	ED IN UNIT LETT	ER C, SECTION	33, T-17-S, R-32-E	, EDDY
14. I hereby certify that the foregoing is true and barried. 14. I hereby certify that the foregoing is true and barried. SIGNATURE Monte C. Duncan TYPE OR PRINT NAME Monte C. Duncan This space for Federal or State office use! APPROVED BY CONDITIONS OF APPROVAL, IF ANY: 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	COUNTY. THE ACCESS ROAD WILL CONT	INUE TO SERVE AS AN ACCESS TO			BATTERY.	
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(Note: Report and Log form.) 13. Describe Proposed or Completed Operations (Clearly state all pertinent deals, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give builded for all markers and zones pertinent to this work.)*. 13. Load hole with mud 2. Spot 30 sx cement plug @ 5100' 3) Perforate 5½ casing @ 3885' Unable to pump into perforations at 1200psi Called BLM in Carlsbad, NM got approval by Joe Lara to spot cement plug across perforation & tag spot 25 sx cement plug @ 3937' W.O.C. Tag cement top @ 3777' 4) Perforate 5½ casing @ 1950' Squeeze W/65 sx W.O.C. Tag cement top @ 1830' 5) Perforate 5½ casing @ 703' Circulate cement to surface between 5-1/2 & 8-5/8 W/160 sx W.O.C. Tag cement top @ 564' 6) Spot 15 sx cement from 100' to surface Set PA' marker 7) Job Completed 10-09-96 The superval by Joe Lara to perforation is ratement constrained at the inclusion of the work is even. Liability Under bornd is ratement constrained at the inclusion of the work is even. Approved to foregoing as true and dorrect Signed Mutuation for fraction of supervalue to the work is even. Liability Under bornd is ratement constrained and the work is even. Inte Supervalue Mutuation of the work is even. Approved by ORIG. SGD.) DAVID R. GLASS Approved by ORIG. SGD.) DAVID R. GLASS Approved by ORIG. SGD.) DAVID R. GLASS <td c<="" td=""><td>Final Abandonment Notice</td><td></td><td></td><td></td></td>	<td>Final Abandonment Notice</td> <td></td> <td></td> <td></td>	Final Abandonment Notice			
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Signed Approved by ORIG. SGD.) Date ID-9-96 (This space for Federal or State office use) ORIG. SGD.) DAVID R. GLASS PETROLEUM ENGINEER Date ID-7 3 0. 1935 Approved by ORIG. SGD.) DAVID R. GLASS Title PETROLEUM ENGINEER Date ID-7 3 0. 1935 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	 give subsurface locations and measured and true vertice 1) Load hole with mud 2) Spot 30 sx cement plug @ 5 3) Perforate 5½ casing @ 3885 in Carlsbad, NM got approx spot 25 sx cement plug @ 5 4) Perforate 5½ casing @ 1950 5) Perforate 5½ casing @ 703¹⁰ W.O.C. Tag cement top @ 56 6) Spot 15 sx cement from 100 	cal deputs for all markers and zones pertire 5100' 5' Unable to pump into val by Joe Lara to spo 3937' W.O.C. Tag cemen 0' Squeeze W/65 sx W.O 7' Circulate cement to 54' 0' to surface Set PA m	perforations at 1 t cement plug acro t top @ 3777' .C. Tag cement top surface between 5- marker proved 4s to plugging et thability under bond is relation	200psi Called BLM ss perforation & tag 0 0 1830' 1/2 & 8-5/8 W/160 sx 7 1) - 2 7 - 9 6 4 17	
Approved by	Signed Mayman Malasade				
	Approved by Conditions of approval, if any: Title 18 U.S.C. Section 1001, makes it a crime for any perso	Title			

*See Instruction on Reverse Side

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une 1990) ANISION DEPARTM	NITED STATES N.M. Gil Cons. Division ENT OF THE INTERIOR 811 S. 1st Street	Budget Bureau No. 1004-0135 Expires: March 31, 1993
ECTIVED BUREAU O	F LAND MANAGEMENTArtesia, NM 88210-2834	5. Lease Designation and Serial No.
T) ,		LC-029420-B 6. If Indian, Allottce or Tribe Name
Do not Use this form for proposals to Use "APPLICATION F	ES AND REPORTS ON WELLS drill or to deepen or reentry to a different reservoir. FOR PERMIT—" for such proposals	
		7. If Unit or CA, Agreement Designation
. Type of Well S Well Well Other		8. Well Name and No.
Name of Operator	Light J Card	Dow "B" 33 Federal #
Texaco Exploration & Product	tion, Inc.	9. API Well No.
Address and Telephone No.		30-015-27068 10. Field and Pool, or Exploratory Area
P.O. Box 3109, Midland, TX 7 Location of Well (Footage, Sec., T., R., M., or Survey	9701 915-688-4816	Wildcat Grayburg
	thline and 1980' from the east line	11. County or Parish, State
Section 33, Township 175, Ra	ange 31E	
		Eddy, New Mexico
CHECK APPROPRIATE BO	X(s) TO INDICATE NATURE OF NOTICE, REPOR	T, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent	Abandonment	Change of Plans
	Recompletion	New Conservation (1)
LJ Subsequent Report	Plugging Back	Water Shut-Off
Final Abandonment Notice	Casing Repair	Water Shut-Off
	Other	Dispose Water
•		(Note: Report results of multiple completion on W Completion or Recompletion Report and Log for
	i e all pertinent details, and give pertinent dates, including estimated date of starting a crtical depths for all markers and zones pertinent to this work.)*	
 Notify BLM of intent to MIRU pulling unit and P TIHW/tubing and tag. Ce 	& A unit. N.U.B.O.P. ment plug @ 7965'. Displace hole with 1	0# 35 uis. Mud
4. POOH to 5100' and spot 3 5. POOH to 3885 (San Andres	0 sacks class C cement. Plug from 5100-) Perf. & squeeze at 3885' with 65 sack cal. T.O.C. at 4000') W.O.C. and tag.	4900'.
6. POOH to 1950' (Yates) Pe	rf. & squeeze at 1950' with 65 sack class	s C cement with
packer at 1800'. W.O.C.	& tag.	
7. POOH to 703' (Rustler)	Perf. and circulate cement to surface bel	hind 5 1/2" casing at
8. Spot 15 sack of class C cement	with CICR or packer at 577'.	
9. Nipple down BOP and cuto:		Clean location up.
Rig down and move off.		
Rig down and move off.		
Rig down and move off.		
Rig down and move off.		
I hereby certify that the foregoing is true and correct		n /
I hereby certify that the foregoing is true and correct Signod	Tide Operations Engineer	
I hereby certify that the foregoing is true and correct Signod AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA		
I hereby certify that the foregoing is true and correct Signod <u>RATANA</u> (This space for Foderal or State office use) Approved bG. SGD.) DAVID R. GLASS	11	Date 8/22/96
I hereby certify that the foregoing is true and correct Signod AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	THE THE THE THE	AUG 2.8 1995

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	N DIV	
Une 1990) DEPARTME	ITED STATES	
Do not use this form for proposals to	o drill or to deepen or reentry to a different reservoir.	5. Lease Designation and Serial No. LC-029420-B 6. If Indian, Alottee or Tribe Name
	FOR PERMIT " for such proposals	7. If Unit or CA, Agreement Designation
1. Type of Well: OIL GAS WELL WELL		8. Well Name and Number DOW "B" 33 FEDERAL
2. Name of Operator	ATION & PRODUCTION INC.	1
B. Address and Telephone No. P.O. BOX 730, HO		9. API Well No. 30-015-27068
4. Location of Well (Footage, Sec., T., R., M., or Surver Unit Letter J : 2180 Feet From T	y Description) he _SOUTH_Line and 1980 Feet From The	10. Field and Pool, Exploratory Area WILDCAT GRAYBURG
EAST Line Section 33	Township 17S Range 31E	11. County or Parish, State EDDY, NEW MEXICO
^{12.} Check Appropriate	Box(s) To Indicate Nature of Notice, Ro	
TYPE OF SUBMISSION		TYPE OF ACTION
 Notice of Intent Subsequent Report Final Abandonment Notice 	Abandonment Abandonment Recompletion Plugging Back Casing Repair Altering Casing OTHER:	Change of Plans 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.)
directionally drilled, give subsurface locations and THIS IS THE SUBSEQUENT REPORT TO TH	arly state all pertinent details, and give pertinent dates, including measured and true vertical depths for all markers and zones per E NOTICE OF INTENT TO PLUG BACK & RECOMPLE	ertinent to this work,)*.
10/18/95 - 10/25/95	RAM BOP W/ 2 7/8" PIPE RAMS IN BOTTOM. TIH W	V/ 5 1/2" CIBP & SET @ 8000'. DUMPED 35'
10/18/95 - 10/25/95 1. MIRU PULLING UNIT. NU 3000# DOUBLE CMT ON TOP W/ BAILER (PBTD 7965').		
 10/18/95 - 10/25/95 MIRU PULLING UNIT. NU 3000# DOUBLE CMT ON TOP W/ BAILER (PBTD 7965'). TIH W/ 2 7/8" TBG TO 3800'. LOADED HO 	RAM BOP W/ 27/8" PIPE RAMS IN BOTTOM. TIH W	P & CSG TO 3000#. HELD OK. TOH W/ TBG.
 10/18/95 - 10/25/95 MIRU PULLING UNIT. NU 3000# DOUBLE CMT ON TOP W/ BAILER (PBTD 7965'). TIH W/ 2 7/8" TBG TO 3800'. LOADED HO RU WIRELINE W/ PACKOFF. TIH W/ GR- TOH W/ LOGGING EQUIPMENT. 	RAM BOP W/ 2 7/8" PIPE RAMS IN BOTTOM. TIH W DE W/ 70 BBL 2% KCL. CLOSED RAMS & TSTD CIBF CCL-CBL & LOGGED FROM 4000'-3000'. HELD 1000 PHASING, 4 JSPF & PERFORATED THE FOLLOWING	P & CSG TO 3000#. HELD OK. TOH W/ TBG. PSI ON CSG WHILE LOGGING.
 10/18/95 - 10/25/95 MIRU PULLING UNIT. NU 3000# DOUBLE CMT ON TOP W/ BAILER (PBTD 7965'). TIH W/ 2 7/8" TBG TO 3800'. LOADED HO RU WIRELINE W/ PACKOFF. TIH W/ GR- TOH W/ LOGGING EQUIPMENT. TIH W/ 4" CSG GUN W/ 120 DEG SPIRAL I INTERVAL: 3688' - 3726' (26' NET, 104 HO TIH W/ 5 1/2" TREATING PKR & SN ON 2 	RAM BOP W/ 2 7/8" PIPE RAMS IN BOTTOM. TIH W DE W/ 70 BBL 2% KCL. CLOSED RAMS & TSTD CIBF CCL-CBL & LOGGED FROM 4000'-3000'. HELD 1000 PHASING, 4 JSPF & PERFORATED THE FOLLOWING	P & CSG TO 3000#. HELD OK. TOH W/ TBG. PSI ON CSG WHILE LOGGING. IG GRAYBURG SAND T PKR @ 3686'. LOAD
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		· (1)/2 =>	Artesia,	NM 88210 FORM APPROVED	
When and IN DIVISION DEPARTM		、"你自己		FORM APPROVED et Bureau No. 1004-01:	436
RECEIVED BUREAU O	DF LAND MANAGEMENT Y	O 3 ROOL WIN	•	píres: March 31, 1993	
	ES AND REPORTS ON WELL	1995 7	5. Lease Designation		
Do not use this form for proposals	to drill or to deepen or reentry to a dr	_S	" Alotter	LC-029420-	<u>)-B</u>
	N FOR PERMIT - " for such proposa		6. if Indian, Alottee o	or Tribe Name	
	BMIT IN TRIPLICATE	Mexico	7. If Unit or CA, Agr	greement Designation	
1. Type of Well: OIL GAS WELL WELL			8. Well Name and N DOW	Number W "B" 33 FEDERAL	
2. Name of Operator	RATION & PRODUCTION INC.	<u>F</u>		1	
3 Address and Telephone No	IOBBS, NM 88240	397-0418	9. API Well No.		
4. Location of Well (Footage, Sec., T., R., M., or Surve		// // //		30-015-27068 Exploratory Area	
	The SOUTH Line and 1980	Feet From The	10. Field and Pool, I WILDCAT GRAYBU		
EAST Line Section 33	Township 17S Rang	nge 31E	11. County or Parish		
	fownsnip 175	ge <u>JIE</u>		EDDY , NEW ME	EXICO
12. Check Appropriate	te Box(s) To Indicate Natu	ure of Notice, Re	eport, or Othe	er Data	
TYPE OF SUBMISSION			TYPE OF ACTION		
	Abandonment		Ξ	Change of Plans	······································
	Recompletion			New Construction	
Notice of Intent	Plugging Back	κ.		Non-Routine Fracturi	ring
Subsequent Report	Casing Repair			Water Shut-Off	
Final Abandonment Notice	Attering Casin			Conversion to Injection	ion
		-		Dispose Water	
			(Note:	e: Report results of multiple con pletion or Recompletion Report	
13. Describe Proposed or Completed Operations (Cle directionally drilled, give subsurface locations and	d measured and true vertical depths for a	all markers and zones per	ng estimated date of sta ertinent to this work,)*.	tarting any proposed w	work. If well is
BY THIS NOTICE OF INTENT, TEPI PROPOS THE WILDCAT GRAYBURG.			OM THE EDDY UN	IDESIGNATED GR	LOUP 5 TO
 MIRU PULLING UNIT. NU 3000# DOUBLE TIH W/ 5 1/2" CIBP & SET @ +/- 8000'. DL TIH W/ 2 7/8" TBG TO 3800'. LOAD HOLE RU WIRELINE W/ PACKOFF. TIH W/ GR TOH W/ LOGGING EQUIPMENT. TIH W/ 4" CSG GUN W/ 120 DEG SPIRAL INTERVAL: 3688' - 3726' (26' NET, 104 HC TIH W/ 5 1/2" TREATING PKR & SN ON 2 BACKSIDE & TEST PKR TO 500#. ND BC TO PIT. 	UMP 35' CMT ON TOP W/ BAILER E W/ 2% KCL. CLOSE PIPE RAMS R-CCL-CBL & LOG FROM 4000'-300 L PHASING, 4 JSPF & PERFORATI IOLES). 2 7/8" TBG. TEST TBG INTO HOLI	R (PROPOSED PBTD S & TEST CIBP & CSG 200'. HOLD 1000 PSI C TE THE FOLLOWING (LE TO 5000#. SET PKI	G TO 3000#. TOH V ON CSG WHILE LO GRAYBURG SAND KR @ +/- 3600'. LO/	OGGING. D DAD	and a second sec
 TO PIT. SWAB WELL DOWN. ACIDIZE GRAYBUI PUMP @ AN AVERAGE RATE OF 7 - 8 BF MONITOR DURING JOB. FLUSH TO BOT FLOW/ SWAB TEST. ND TREE, NU BOP RESET PKR @ +/- 3600'. LOAD BACKSIE FRAC GRAYBURG PERFS 3688'-3726' W OTTOWA SAND @ AN AVERAGE RATE O BACKSIDE & MONITOR THROUGHOUT. FLOWBACK WELL @LESS THAN 1 BPN 	PM W/ MAX PRESSURE NOT TO INTOM PERF W/ 2% KCL WATER. P. RELEASE PKR, RUN THROUGH DE & TEST PKR TO 500#. ND BOA W/ 29,000 GALLONS 35# BORATE > OF 25 BPM W/ MAX PRESSURE N JOB.	EXCEED 5000#. PLA SD, GET ISIP, 5 MIN H PERFS TO KNOCK DP, NU FRAC TREE. XLG 2% KCL CARRYII NOT TO EXCEED 500	ACE 500# ON BACK N, 10 MIN, & 15 MIN K OFF BALL SEALEI /ING 125,000# 16/30 000#. PLACE 500# C	KSIDE & N SITP ERS. ON	· · · ·
14. I hereby certify that the foregoing is true and correct SIGNATURE Month Course	TITLE Engr As	.sst		DATE	10/2/95
	e C. Duncan	·			
(This space for Federal or State office use)					
APPROVED BY CONDITIONS OF APPROVAL, IF ANY:	1997 - 1997 TITLE		the design of the second secon	_DATE_ <u>/C/2</u>	14/95-
Title 18 U.S.C. Section 1001, makes it a crime for any person representations as to any matter within its jurisdiction	on knowingly and willfully to make to any dep	artment or agency of the Unit	ited States any false, fictif	itious or fraudulent statem	nents or

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	BUILLAG OF LA			0	Exp	oires: March 31, 199	3
	IDRY NOTICES A		00/0	1900	5. Lease Designati	on and Serial No.	
			1 - · · ·	-03		LC-02942	0-В
	n for proposals to drill		N 0.	ent reservoir.	6. If Indian, Alottee	or Tribe Name	
Use	"APPLICATION FOR	R PERMIT " for	suchproposals		4	· · · · · · · · · · · · · · · · · · ·	
······································	SUBMIT I	N TRIPLICATE	and	Mexico	7. If Unit or CA, Ag	reement Designatio	n
I. Type of Well: OIL WELL:		OTHER			8. Well Name and DO\	Number N "B" 33 FEDERA	 ۱L
2. Name of Operator TE		ON & PRODUCT	TON INC.			· 1	
Address and Telephone No. P.	O. BOX 730, HOBBS	S, NM 88240	<u> </u>	397-0418	9. API Well No.		
4. Location of Well (Footage, Sec.,	T., R., M., or Survey Des	scription)				30-015-27068	
	•			F	10. Field and Pool	, Exploratory Area	
Unit Letter J : 2180	Feet From The	SOUTH Line a	ng 1980	Feet From The	CEDAR LAKE	E, EAST MOR	ROW
	33 7	mahin 470	D	34 5	11. County or Pari	sh, State	
EAST Line Section	<u>33</u> [Ov	wnship <u>17S</u>	Range			EDDY , NEW I	MEXICO
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CITECK	Appropriate Bo	ox(s) I o Indi	icate Nature			er Data	
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13. Describe Proposed or Complete	ed Operations (Clearly s	tate all pertinent de	OTHER:	tinent dates, includir	Com ng estimated date of s	Dispose Water a: Report results of multiple pletion or Recompletion Rep tarting any proposed	completion on Well ort and Log Form.)
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Form 3160-5 (June 1990) ECEIVED UN DEPARTME JO IN 00 AN SUNDER NOTICE	ITED STATES ON CONSERVED NT OF THE INTERIOR RECEIPT LAND MANAGEMENT	
12 11 00 "" SUNDERY NOTICE	· 영동 N영 리 7 대 S AND REPORTS ON WELLS	5. Lease Designation and Serial No. LC-029420-B
UC1 Do not use this form for proposals to	drill or to deepen or reentry to a different reservoir.	6. If Indian, Alottee or Tribe Name
AREA	FOR PERMIT " for such proposals	7. If Unit or CA, Agreement Designation
		8. Well Name and Number
1. Type of Well: OIL GAS WELL WELL WELL		DOW 'B' 33 FEDERAL
2. Name of Operator TEXACO EXPLOR	ATION & PRODUCTION INC.	1
3. Address and Telephone No. P.O. Box 46510, D.	enver Colorado 80201-6510 (303)621	-485 9. API Well No. 30-015-27068
4. Location of Well (Footage, Sec., T., R., M., or Survey	/ Description)	10. Field and Pool, Exploratory Area
Unit Letter J : 2180 Feet From T	he SOUTH Line and 1980 Feet From TI	CEDAR LAKE, EAST MORROW
EAST Line Section <u>33</u>	Township <u>17-S</u> Range <u>31-E</u>	11. County or Parish, State EDDY , NM
	Box(s) To Indicate Nature of Notice	
TYPE OF SUBMISSION	Abandonment	TYPE OF ACTION Change of Plans
 Notice of Intent Subsequent Report Final Abandonment Notice 	Abandonment Recompletion Plugging Back Casing Repair Altering Casing OTHER: COM. RE-ENTI	New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection
 Describe Proposed or Completed Operations (Clear directionally drilled, give subsurface locations and 	arly state all pertinent details, and give pertinent dates, inc measured and true vertical depths for all markers and zor	Completion or Recompletion Report and Log Form.) cluding estimated date of starting any proposed work. If well is ues pertinent to this work.)*.
COMMERCIAL RE-ENTRY OPERATIONS: 08	-08-95	
DRILL OUT CEMENT RETAINER AT 8629' AN PRESSURE TEST CASING TO 2000 PSIG.	ID CEMENT THROUGH WOLFCAMP PERFS (87	20' - 8730').
TIH WITH SECTION MILL AND MILL SECTION	N IN CASING FROM 10,331' TO 10,371' (40').	
TIH W/ 2-7/8" OPEN-ENDED TO 10,450'. SPC TOH.	DT A 50 SX CLASS H (17.5 PPG, 1.01 FT3/SX, 0.5	% D-65) FROM 10,450' TO 10,200'
TIH W/ 4-7/8" BIT, 6-3 1/2" DC'S ON 2-7/8" W(DRKSTRING. DRESS TOP OF CEMENT TO 10,3	141'
		05T 2 4 1995
14. I hereby certify that the foregoing is true and correct SIGNATURE <u>C.P. Baskam</u> TYPE OR PRINT NAME C. P. E	SEH TITLE Drilling Operations N	/lgr. DATE <u>9/15/95</u>
(This space for Federal or State office use)		
APPROVED BY 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.

	NM O	IL CONS COMMISSION
· · · ·		ver DD
DEDADTIA		sia, NM 88210 FORM APPROVED
····· ····,	ENT OF THE INTERIOR	011 Budget Bureau No. 1004-0135
BOREAU	F LAND MANAGEMENT	Expires: March 31, 1993
		δ, Lease Designation and Serial No.
	ES AND REPORTS ON WELLS	LC-029420-B
Do not use this form for proposals	to drill or to deepen or reentry to a different reservoir.	6. If Indian, Alottee or Tribe Name
Use "APPLICATION	I FOR PERMIT " for such proposals	· ·
SUB	MIT IN TRIPLICATE	7. If Unit or CA, Agreement Designation
	······································	8. Well Name and Number
1. Type of Well: OIL GAS WELL GAS		DOW 'B' 33 FEDERAL
2. Name of Operator		
	RATION & PRODUCTION INC.	1
3. Address and Telephone No. P.O. Box 3109, N	Nidland Texas 79702 688-4606	9. API Well No.
4. Location of Well (Footage, Sec., T., R., M., or Surv.	ev Description)	30-015-27068
		10. Field and Pool, Exploratory Area
Unit Letter J : 2180 Feet From	The <u>SOUTH</u> Line and <u>1980</u> Feet From The	CEDAR LAKE, EAST MORROW
		11. County or Parish, State
EAST Line Section 33	Township <u>17-S</u> Range <u>31-E</u>	EDDY, NM
12. Chack Appropriat		
Check Appropriate	e Box(s) To Indicate Nature of Notice, Re	port, or Other Data
TYPE OF SUBMISSION	TT	PE OF ACTION
	Abandonment	Change of Plans
	Recompletion	New Construction
Notice of Intent	Plugging Back	Non-Routine Fracturing
Subsequent Report		Water Shut-Off
	Altering Casing	Conversion to Injection
Final Abandonment Notice		Dispose Water
		Contex: Report results of multiple completion on Well
TEXACO PLANS TO SIDETRACK THIS WELL ORTHODOX BOTTOMHOLE LOCATION AT PROPOSED DEVIATION PROGRAM. ALSO WELL. A PULLING UNIT WITH A CLOSED MUD SYS DUAL RAM HYDRAULIC BOP WILL BE USEI	Ineasured and true vertical depths for all markers and zones per L AT 10341' AND DIRECTIONALLY DRILL TO A TOTAL APPROXIMATLY 1815' FSL AND 2145' FWL (50' radius). ATTACHED IS COPY OF THE APPLICATION TO THE I STEM WILL BE USED. NO ADDITIONAL SURFACE DIS D. NO ABNORMAL TEMPERATURES OR HAZARDUS	DEPTH OF 12373' MD/ 11850' TVD TO AN SEE ATTACHED FORM C-102 AND MOCD TO DIRECTIONALLY DRILL THIS TURBANCE WILL BE REQUIRED. A 5000 psi S GASES ARE ANTICIPATED. PRESSURES
ARE NORMAL FOR THE AREA WHICH MEA	NS A +/- 8.7 - 9.6 PPG EMW PORE PRESSURE IN THE	PENSYLVANIAN.
MUD PROGRAM: 10000' TO TD, BRINE WA	TER/MUD. WEIGHT: 9.0 - 9.5. VISCOSITY: 32-35.	
	JN 3 1/2", 9.3#, L-80, 8rd/EUE LINER TO 12373'.	
CEMENT PROGRAM: 200 SACKS CLASS H LOGGING PROGRAM: GR-CNL SURVEY W	(15.0FPG, 1.18 CF/S, 5.2 GW/S). ILL BE RUN.	
···· •·· •·· •·· •·· •·· •··		
	SUBJECT TO	
	Like Approv	
	BY STATE	
	The state of the s	(1) h
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14. I hereby certify that the foregoing is true and correct		
SIGNATURE C. Wall Howel	TITLE Eng. Assistant	DATE 6/26/95
	de Howard	
(This space for Federal or State office use)	TITLE COMMENTER	an 1995 - 1995
APPROVED BY	TITLE	DATE
CONDITIONS OF APPROVAL, IF ANY:	· · · · · · · · · · · · · · · · · · ·	
	m knowingly and willfully to make to any department or agency of the Unite	d States any false, fictitious or fraudulent statements or
representations as to any matter within its jurisdiction.		
tant y i v		DeSoto/Nichols 10-94 ver

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Submit te Appropriato District Office State Lease - 4 copies Fee Lease - 3 copies

DISTRICT | P.O. Box 1980, Hobbs, NM 88240

DISTRICT II P.O. Drawer DD, Arlesia, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico Energy, Minerals and Natural Resources Department

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OIL CONSERVATION DIVISION

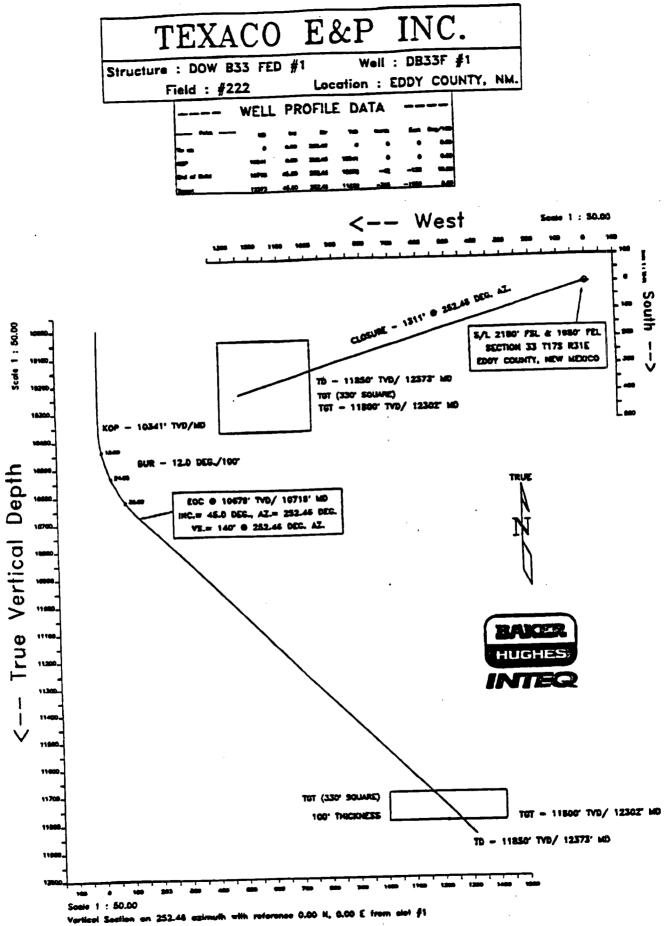
P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL LOCATION	I AND	ACREAGE	DEDICATION	PLAT
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All Distances must be from the outer boundaries of the section

Operator			<u> </u>		Lease				Well No.	
ΤΕΧΑCΟ Ελ	XPLOF	ATION A	ND PRODUCTI	ON INC.	DOW "B	" 33 FEDERAL			1	{
Unit Letter	Section	a	Township	1	Range			County	<u> </u>	
J		33	17-5	outh	31-1	Zast	NMPN	A EI	DY	
Actual Footage Loc	cation of	Well:								
2180	fect f	rom the So	outh	line and	1980		eet from	n the East	line	
Ground level Elev.		Producin	g Formation		Pool				Dedicated Acre	age:
3760		Morrow			Cedar La	ke, East Mor	row		320	Acres
		-	-			arks on the plat below. enship thereof (both as		ting interest and	royalty).	
unitiz If answe this form No allow	ation, fo Yes er is "no n if nec- wable w	" list the owner essary ill be assigned	c.?] No lf an and tract descript	swer is "yes" ty ions which have interests have b	pe of consolidation actually been consolidated	nsolidated. (Use reven (by communitization, t	se side (of		
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All data is in feet unless otherwise stated Coordinates from slot [1 and TVD from wellhead. Vertical section is from wellhead on azimuth 252.46 degrees. Declination is 0.00 degrees, Convergence is -1.89 degrees. Calculation uses the minimum curvature method. Presented by Baker Hughes INTEQ

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All data is in feet unless otherwise stated Coordinates from slot #1 and TVD from wellhead. Vertical section is from wellhead on asimuth 252.46 degrees. Declination is 0.00 degrees, Convergence is -1.89 degrees. Calculation uses the minimum curvature method. **Presented by Baker Hughes INTEQ**

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Texado Exploration and Production Inc. Midland Producing Division 500 N Loraine Micland TX 79701 P (0.559-312 Midiano Tal 1970)

June 15, 1995

GOV - STATE AND LOCAL GOVERNMENTS Directional Drilling Dow "B" -33- Federal Well No. 1 Cedar Lake, East Morrow Field Eddy County, New Mexico

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

Attention: Mr. Michael E. Stogner

Gentlemen:

Administrative approval, Rule 111 c.2, is requested to sidetrack and directionally drill the captioned well to an orthodox bottomhole location.

This well is no longer economical to produce because of high water production. Plans are to sidetrack to well at +/-10,341' and directionally drill to a TVD of 11,850' at a proposed bottomhole location of 2145' FWL and 1815' FSL of Section 33, T-17-S, R-31-E. Productive formation should be encountered in the morrow formation resulting in a commercial well. Attached for your information is a copy of the proposed deviation program.

The "affected" offset operators to this well have been notified of this request (see attached offset operator's list and certified mail receipts).

Attached is Form C-102 showing the surface location and proposed bottomhole location for this well. Any questions concerning this request should be directed to me at (915) 688-4606.

Yours very truly,

<. Wale Howar

C. W. Howard Engineer's Assistant

CWH:

CC: BLM, P. O. Box 1778, Carlsbad, NM 88220

Attachments

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

DISTRICT III

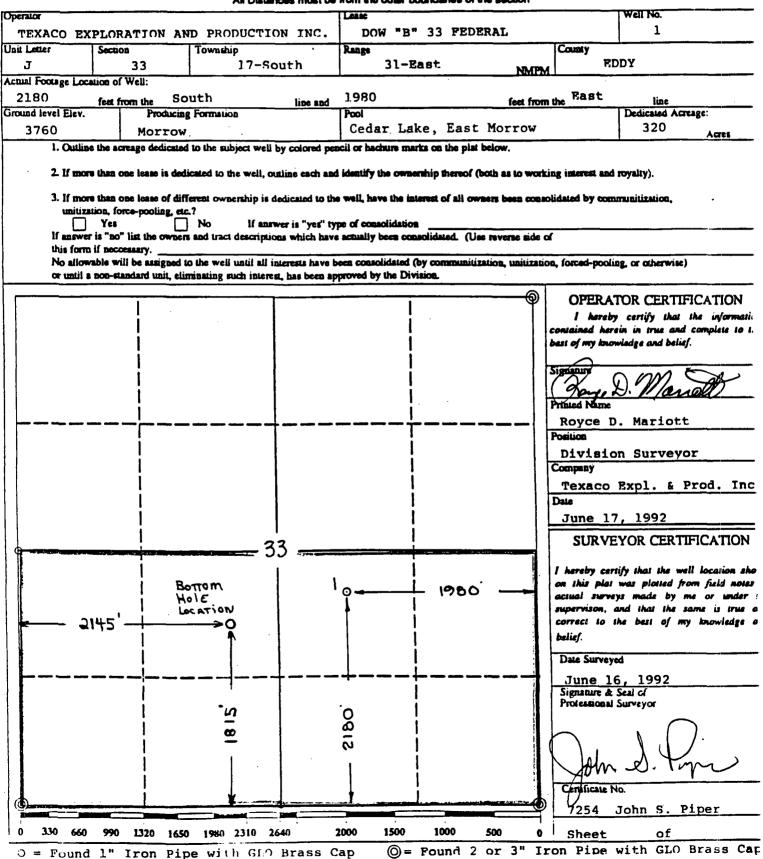
DISTRICT] P.O. Box 1980, Hobbs, NM 88240

DISTRICT II P.O. Drawer DD, Artesis, NM 88210

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section



State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Form C-102 Revised 1-1-89



Texado Exploration and Production (No. 10) to chaine Regime Produced Disconting (No. 10) to chaine (No. 10) (1995)

-10-1000, T.L. 7970

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June 13, 1995

GOV - STATE AND LOCAL GOVERNMENTS Directional Drilling Dow "B" -33- Federal Well No. 1 Sec. 33, T-17-S, R-31-E Cedar Lake, East Morrow Field Eddy County, New Mexico

TO THE OFFSET OPERATORS

Gentlemen:

As an offset operator to the captioned lease, you are being furnished with a copy of our Application to sidetrack and directionally drill the captioned well. If you have no objection, please sign the waiver at the bottom of this letter and return in the enclosed envelope.

Any questions concerning this request should be directed to me at (915) 688-4606.

Yours very truly,

C. Wade How

C. W. Howard Engineer's Assistant

CWH : OWN

File

WAIVER APPROVED:

COMPANY :	i

BY:				

DATE :	•						

OFFSET OPERATOR'S LIST DOW "B" -33- FEDERAL WELL No. 1 EDDY COUNTY, NEW MEXICO

Texaco Exploration and Production Inc. P. O. Box 3109 Midland, Texas 79702

Coastal Management Corporation P. O. Box 2720 Midland, Texas 79702

Atlantic Richfield Company P. O. Box 1610 Midland, Texas 79702

Anadarko Petroleum Coproration P. O. Box 2497 Midland, Texas 79702

Marathon Oil Company P. O. Box 552 Midland, Texas 79702

Harvey E. Yates Company Spiral, Inc. Explorers Petroleum Corporation Heyco Employees, Ltd. P. O. Box 1933 Roswell, New Mexico 88202

Yates Energy Coproration Yates-McMinn Drilling Venture 1984-1 1010 Sunwest Centre Roswell, New Mexico 88202

Jalapeno Corporation P. O. Box 1608 Albuquerque, New Mexico 87103

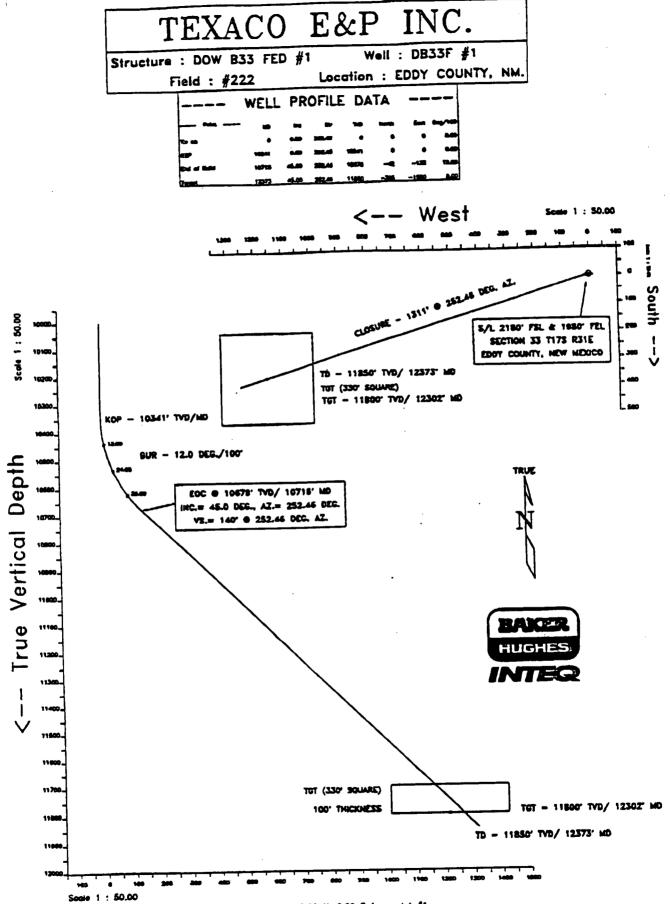
William A. Hudson/Roxie William A. Hudson, III, Trustee Edward R. Hudson, Jr., Trustee 616 Texas St. Fort Worth, Texas 76102

Mary Hudson Ard, Trustee Edward R. Hudson Trust 4 4808 Westridge Fort Worth, Texas 76116

SENDER receive the 1 1 1 1 1 a for an extra Vint your name and In the card to you. 1.1.1 · Attach this form to the f e not permit calat A Write "Retarn R n teo web Consult postmenter for fee The Return Rep is will also ALL DE 4a. Article Number S. 6 45 3. Article Addressed to: P. 188 919 626 Coastal Mgmt Corp P.O. Box 2720 Midland; TX 79702 4b. Service Type 40. Service type Registered I Insured Certified I COD ET Return Receipt for Express Mail . K Return Receipt for Merchandise - 6 9 36 A. 7. Date of Delivery DOWA cuested 5. Signature (Addressee) SI Signeture Agenti Dackpon 0 DOMESTIC REDUR PS Form 3811, December 1991 #U.B. GPO: 19 ŝ 50 m . التغوي SENDER: also wish to receive the dittionel services. · Complete items 1 and/or 2 for, additional services. following services (for an extra Complete items 3, and 4e & b. fee): · Print your name and address on the reverse of this form so that we can • Attach this form to the front of the melipiece, or on the back if spece metum this card to you 1. Addressee's Address ŭ 2. Restricted Delivery does not permit. The Return Receipt will show to whom the article was delivered and the date
 Consult postmaster for fee. delivered. ፳ 4a. Article Number P-188 919 627 3. Article Addressed to: Atlantic Richfield Co. P. O. Box 1610 4b. Service Type Registered Insured Certified COD 9702 Midland, Texas 79702 200 E لأحدث بالمعديد فأراجه فسأكرب Express Mail I Return Receipt for Merchandise 2 7. Date of Bullery 4 1995 ā 8. Addressee's Address (Only if requested IRN 5. Signature (Addresate) • and fee is paid) min lod RETU 2 6. Signature (Agent) - - **-** - -NUS. GPC: 1989-352-714 DOMESTIC RETURN RECEIPT PS Form 3811, December 1991 SENDER: 1.1.3 also wish to receive the · Complete items 1 and/or. 2 for additional se following services (for an extra Complete items 3, and 4a & b. · Print your name and address on the reverse of th fee): a card to y 5 S or on the back if spece - 1. Addressee's Address Attach this form to the front of the maliple ē does not permit. celpt w the artic 2. C Restricted Delivery Write "Return Receipt Requested" on the ma ce be The Return Receipt will show to whom the article was delivered and the data Consult postmaster for fee. 5 delivered. 4a. Article Number 3. Article Addressed to: la la contra de B <u>P 188 919</u> 628 and the Anadarko Petroleum Corp. 4b. Service Type P. O. Box 2497 HE STAN 20 Midland, TX 79702 **ADDRESS** Express Mail E Return Receipt for Merchandise JUN 1 4 1995 RN 8. Addressee's Address (Only if requested 5. Signature (Addressee) and fee is paid) ų, Ē 125 Signature (Agent) 6. æ and - A the second s PS Form 3811, December 1991 DOMESTIC RETURN RECEIP #U.S. GPO: 1999--862-714

SENDER P AND ADDIT -, the entitle m VOLY Write "W the second in d and i The Batum Receipt will show to w Consult po differences, where AND FOR MINISTRAT 3. Article Addressed to: Marathon Oil Company 244 - 455 P. O. Box 552 Midland, Texas 79702 4a. Article Number P. 188 919 629 4b. Service Type Cartified COD Express Mal 2 Return Receipt for Merchandise 7. Date of Delivery 8. Addresses's Address (Only if requested 5. Signature (Addressee) and fee is paid) 1842 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 -1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 - 1945 -RETU 6. Signature (Agent) ____**i**-PS Form 3811, December 1991 wus and 1885-382-714 DOMESTIC RETURN RECEIPT * 5-10 ·* ·** SENDER: REAR I also wish to receive the Complete items 1 and/or 2 for additional series
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 The Return Receipt will show to whom the article was delivered and the data delivered. delivered. 2 3. Article Addressed to: 4a. Article Number Harvey E. Yates Company P 188 919 630 4b. Service Type Registered Insured ConvEll ConvEll Express Mail Anterna Receipt Merciadae Spiral, Inc. $\sim 10^{-1}$ Explorers Pet. Corp. 00000 Heyco Employees, Ltd. P. O. Box 1933 Roswell, New Mexico 88202 DRI 7. Data of Delivery 1.000 8. Addressee's Address (Ohy) 5. Signature (Addressee) and fee is paid RETI 85291 6. Signature (Agent) Porti the second second 5 SHAMI YYI PS Form 3811, December 1991 HUS GPO: 1003-302-714 DOMESTIC RETURN RECEIP SENDER: I also wish to receive the Complete items 1 and/or 2 for additional services. · Complete items 3, and 4e & b. following services (for an extra . Print your name and address on the reverse of this form so that we can fee); return this card to you. 1. Addressee's Address · Attach this form to the front of the mailpi ð does not permit. £ Write "Return Receipt Requested" on the mailpiece below the article number. 2. Restricted Delivery The Return Receipt will show to whom the article was delivered and the date 5 delivered. - Consult postmaster for fee. 4a. Article Number P 188 9 19 631 3. Article Addressed to: . 2 Yates Energy Corporation 웊 Yates-McMinn Drilling Venture 4b. Service Type . Ferr Egg -1010 SunwestCentre 2000- 1948-1 Registered
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 Cod Roswell, New Mexico 88202 ADDRESS Merchandise 7. Data of Delivery an Para JRN 8. Addressee's Address (Only if requested 5. Signature (Addressee) , . . and fee is paid) RETU . 6. Signature (Agent) 1. L LADALD PS Form 3811, December 1991 #U.S. GPO: 1993-352-714 DOMESTIC RETURN RECEIPT and the set of an and the

SENDER MAN s 8, and 4s 2 b. m this card to you way to the Attack this form e not permit. . Write "Return Receipt Recur 2. C Restricted Delivery in number The Return Receipt will show to whom the article livered and the date Consult postmaster for fee. 톬 delivered. 3. Article Addressed to: 4a. Article Number E188 919 638 JALAPENO CORPORATION 4b. Silvice Type e El Insured P.O. Box 1608 Certified ALBUQUERQUE; NM Express Mail & Return Receipt for Merchandise 8/118asn Date of Delivery Cha ddreasee's Address (Only if requested d fee is paid) ZE 5. Signature (Addressee) 12 6 NI RET 6. Signature (Agent) 1 ++-VOUT SUUR S Form 3811, December 1991 DOMESTIC RETURN RECEIPT HULL GPO: THE 9 . 1 • SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4. Put your address in the "RETURN TO" Space on the severae side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional services) requested. 1. Show to whom delivered, date, and addressee's address. 2. D Restricted Delivery (Extra charge) يا بر دور. ويترج William A. Hudson/Roxie William A. Hudson/Roxie Edward R. Hudson, Jr., Trustee 616 Texas Street Fort Worth 4. Article Number P 046 660 730 Type of Service: Registered Insured Certified COD Express Mail Return Receipt -for Merchandise Fort Worth, Texas 76102 Always obtain signature of addressee or agent and DATE DELIVERED. 5. Signature - Addressee 8. Addressee's Address (ONLY if requested and fee paid) Х 6. Signatury Agent JUN 1 5 1995 and the second PS Form 3811, Apr. 1989 DOMESTIC RETURN RECEIP +U.S.G.P.O. 1989-238-815 **SENDER:** -I also wish to receive the · Complete items 1 and/or 2 for additional services. · Complete items 3, and 4e & b. following services (for an extra . Print your name and address on the reverse of this form so that we can fee): return this card to you. 1. Addressee's Address . Attach this form to the front of the malipiece, or on the back if spece Ź does not permit. ę . Write "Return Receipt Requested" on the mailpiece below the article number 2. Restricted Delivery . The Return Receipt will show to whom the article was delive ed and the date Consult postmaster for fee. delivered. 5 4 3. Article Addressed to: 4a. Article Number be Ę P 188 919 634 complet Mary Hudson Ard, Trustee 4b. Service Type Edward R. Hudson Trust 4 Certified 4808 Westridge **ADDRESS** Express Mail Fort Worth, TX 76116 Merchandise Date of Delivery 0-22-42 8. Addresse's Address (Only if requested RETURN 5. Signature (Addressee) A STATE OF A vi tee te print 6. Signature (Agent) m IDAN PS Form 3811, December 1991 #U.S. GPO: 1993-352-714 DOMESTIC RETURN RECEIPT



Vertical Section on 252.46 estimath with reference 0.00 N, 0.00 E from old \$1

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Slot location is nJJ 30 0.000,w104 0 0.000 Slot Grid coordinates are N 1413039.762, E 881409.569 Slot local coordinates are 0.00 N 0.00 E Reference North is Grid North

Field is centred on 0.000,0.000,999.00000,N Structure is centred on n33 30 0.000,e104 0 0

8-Jun-95 8-Jun-95 8-Jun-95 Date printed Date created Last revised

: 12/100 BUR : prop908 Your ref Our ref License

by Baker Hughes INTEQ

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BDDY COUNTY, NM. DB33F #1 slot #1 #222

TEXACO BAP INC. DOW B33 FED #1 TU

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Coordinates from slot /1 and TVD from wellhead. Vertical section is from wellhead on azimuth 252.46 degrees. Declination is 0.00 degrees, Convergence is -1.89 degrees. Calculation uses the minimum curvature method. Presented by Baker Hughes INTEQ

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Page 2 0 BUR 1n-95	Vert Sect	139.85 340.71 694.27 1047.82 1311.30
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T) DON B: #222,	Inclin. Degrees	45.00 455.00 455.00 455.00 45.00
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All data is in feet unless otherwise stated Coordinates from slot #1 and TVD from wellhead. Vertical section is from wellhead on azimuth 252.46 degrees. Declination is 0.00 degrees, Convergence is -1.89 degrees. Calculation uses the minimum curvature method. Presented by Baker Hughes INTEQ

06-08-1995 03:25Pm

FROM

· · · · · ·		Drawer DD
		Artesia, NM 88210
	ITED STATES	FORM APPROVED
	INT OF THE INTERIOR	0 V(S(0)) Budget Bureau No. 1004-0135
BUREAU OF	RECE 250	
	S AND REPORTS ON WELLS	5. Lease Designation and Serial No.
	o drill or to deepen or reentry to a different reservoir.	6. If Indian, Alottee or Tribe Name
SUBN		7: If Unit or CA, Agreement Designation
Type of Well: OIL GAS WELL WELL		8. Well Name and Number DOW "B" 33 FEDERAL
Name of Operator TEXACO EXPLOR	ATION & PRODUCTION INC.	1
Address and Telephone No. P.O. BOX 730, HO	BBS, NM 88240	9: API Well No. 30-015-27068
Location of Well (Footage, Sec., T., R., M., or Survey	y Description)	10. Field and Pool, Exploratory Area
Init Letter J : 2180 Feet From T	he SOUTH Line and 1980 Feet From The	EDDY UNDESIGNATED GROUP 5
AST Line Section 33	Township 17S Range 31E	11. County or Parish, State EDDY , NEW MEXICO
Check Appropriate	Box(s) To Indicate Nature of Notice, F	Report, or Other Data
TYPE OF SUBMISSION		TYPE OF ACTION
	Abandonment	Change of Plans
	Recompletion	New Construction
Notice of Intent	Plugging Back	Non-Routine Fracturing
🔀 Subsequent Report	Casing Repair	Water Shut-Off
Final Abandonment Notice	Altering Casing	Conversion to Injection
Final Abandonment Notice	Altering Casing OTHER:	Conversion to Injection Dispose Water
Describe Proposed or Completed Operations (Clear	OTHER:	Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.) ing estimated date of starting any proposed work. If well is
 Describe Proposed or Completed Operations (Cleadirectionally drilled, give subsurface locations and a PRIOR TO THIS WORKOVER, THE ABOVE V THE FOLLOWING PROCEDURE EXPLAINS HUNDESIGNATED GROUP 5. THE INTENT FC 5/8/95 - 5/21/95 MIRU. Install BOP. Pulled tubing & packer a 2. TIH w/ CIBP. Tagged packer body & set CIB 	OTHER:	Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.) ing estimated date of starting any proposed work. If well is pertinent to this work.)*. EDAR LAKE EAST, MORROW ZONE. PLETED AS AN OIL WELL IN THE EDDY BY MR. JOE LARA OF THE BLM ON 5/5/95. mt, PBTD @ 11,460'.
 Describe Proposed or Completed Operations (Cleadirectionally drilled, give subsurface locations and or PRIOR TO THIS WORKOVER, THE ABOVE V THE FOLLOWING PROCEDURE EXPLAINS HUNDESIGNATED GROUP 5. THE INTENT FO 5/8/95 - 5/21/95 MIRU. Install BOP. Pulled tubing & packer at 2. TIH w/ CIBP. Tagged packer body & set CIB Rigged up perforators with high-pressure lubra 8720' - 8730' with 2 .50" holes per foot (11 fer 	OTHER:	Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.) ing estimated date of starting any proposed work. If well is pertinent to this work.)*. EDAR LAKE EAST, MORROW ZONE. PLETED AS AN OIL WELL IN THE EDDY BY MR. JOE LARA OF THE BLM ON 5/5/95. mt, PBTD @ 11,460'. whing with 4" casing gun from @ 8660' w/ 15,000# compression.
 Describe Proposed or Completed Operations (Clear directionally drilled, give subsurface locations and it PRIOR TO THIS WORKOVER, THE ABOVE V THE FOLLOWING PROCEDURE EXPLAINS H UNDESIGNATED GROUP 5. THE INTENT FC 5/8/95 - 5/21/95 MIRU. Install BOP. Pulled tubing & packer at 2. TIH w/ CIBP. Tagged packer body & set CIB Rigged up perforators with high-pressure lubr 8720' - 8730' with 2 .50" holes per foot (11 fet 8720' - 8730' with 2 .50" holes per foot (11 fet 8720'. Installed tree saver. Acidized perforations fro 	OTHER:	Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.) ing estimated date of starting any proposed work. If well is pertinent to this work.)*. EDAR LAKE EAST, MORROW ZONE. PLETED AS AN OIL WELL IN THE EDDY BY MR. JOE LARA OF THE BLM ON 5/5/95. mt, PBTD @ 11,460'. bbing with 4" casing gun from @ 8660' w/ 15,000# compression. 5060#, AIR = 3 BPM. Hooked up pump
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 Describe Proposed or Completed Operations (Cleadirectionally drilled, give subsurface locations and or PRIOR TO THIS WORKOVER, THE ABOVE VITHE FOLLOWING PROCEDURE EXPLAINS HUNDESIGNATED GROUP 5. THE INTENT FO 5/8/95 - 5/21/95 MIRU. Install BOP. Pulled tubing & packer at 2. TIH w/ CIBP. Tagged packer body & set CIB Rigged up perforators with high-pressure lubr 8720' - 8730' with 2 .50" holes per foot (11 feed Swabbed fluid down to 8600'. Installed tree saver. Acidized perforations from to backside and held 1000# pressure through tested well. Set cmt retainer @ 8629'. Sqzd perforations TOH w/ production equipment. Well shut-in production equipment. Well shut-in production equipment. Well shut-in production equipment. Well shut-in production equipment. 	OTHER:	Dispose Water Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.) ing estimated date of starting any proposed work. If well is pertinent to this work.)*. EDAR LAKE EAST, MORROW ZONE. PLETED AS AN OIL WELL IN THE EDDY BY MR. JOE LARA OF THE BLM ON 5/5/95. mt, PBTD @ 11,460'. thing with 4" casing gun from @ 8660' w/ 15,000# compression. 5060#, AIR = 3 BPM. Hooked up pump . TOH w/ pkr. Swabbed load back and
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Une 1990) OIL DONSERVE UN DIVDEPARTME RECIVED BUREAU OF RECIVED BUREAU OF 95 JUN 25 SUNDRY VOTICE	ITED STATES NT OF THE INTERIOR LAND MANAGEMENT S AND REPORTS ON WELLS drill or to deepen or reentry to a different reservoir. FOR PERMIT" for such proposals	NM OIL CONS COMMISSION Drawer DD Artesia, NM 88210 FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993 5. Lease Designation and Serial No. LC-029420-B 6. If Indian, Alottee or Tribe Name
SUBM		7. If Unit or CA, Agreement Designation
1. Type of Well: OIL GAS UNCLL WELL		8. Well Name and Number DOW "B" 33 FEDERAL
2. Name of Operator TEXACO EXPLOR/	ATION & PRODUCTION INC.	1
Address and Telephone No. P.O. BOX 730, HO	BBS, NM 88240 397-0418	9. API Well No. 30-015-27068
4. Location of Well (Footage, Sec., T., R., M., or Survey Unit LetterJ :2180 Feet From Th	Pescription) ne <u>SOUTH</u> Line and <u>1980</u> Feet From The	10. Field and Pool, Exploratory Area UNDESIGNATED WOLFCAMP
EAST Line Section 33	Township <u>17S</u> Range <u>.31E</u>	11. County or Parish, State EDDY , NEW MEXICO
^{12.} Check Appropriate	Box(s) To Indicate Nature of Notice, Re	port, or Other Data
TYPE OF SUBMISSION	<u>٦٦</u>	
 Notice of Intent Subsequent Report Final Abandonment Notice 	Abandonment Acompletion Recompletion Plugging Back Casing Repair Attering Casing OTHER:	Change of Plans Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well
3. Describe Proposed or Completed Operations (Clear directionally drilled, give subsurface locations and n	rly state all pertinent details, and give pertinent dates, including neasured and true vertical depths for all markers and zones per	Completion or Recompletion Report and Log Form.) estimated date of starting any proposed work. If well is rtinent to this work.)*.
THIS WELL IS CURRENTLY COMPLETED IN RECOMPLETING IN THE UNDESIGNATED W	THE CEDAR LAKE MORROW ZONE. THE FOLLOWI OLFCAMP.	NG PROCEDURE IS FOR PLUGING BACK AND
1) MIRU. Install BOP. Pull tubing & packer asso		
 TIH w/ on/off tool with 1.875" profile nipple & p Set w/ 15,000# compression. Circulate packer fluid around backside; approx 	immediately on top. Cap with a minimum of 35' of cement backer. Test tubing to 7000# on the trip in. Hang packer kimately 250 barrels to circulate around. Set packer. Swa	@ approximately 8650'.
Perforate two 0.45" holes per foot from 8720' - 6) Install tree saver. Acidize perforations w/ 400	gals 15% NEFE HCL @ 3 to 4 bpm w/ an anticipated pre	essure of 5800 psi. Hook up pump to backside
& hold 1000# pressure throughout job. Flush7) Swab well in until flowing and return well to pr	to bottom perf + 2 bbls with KCI water (53 bbls, 2226 gals	s). ТОН w/ pkr. ЭЩ ССАЛ тэлл :
RECEIVED VERBAL APPROVAL FROM MR. J		Dist. 2
14. I hereby certify that the foregoing is true and correct	verb	1 apploval on 3/5/45
SIGNATURE Thort Com	TITLE Engr Asst	DATE5/5/95
	C. Duncan	
(This space for Federal or State office use) APPROVED BY (1996). (1997) CONDITIONS OF APPROVAL, IF ANY: 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 Unite	UATEOFC.3723
representations as to any matter within its jurisdiction.	<u></u>	DeSotaNichols 10-94 ver 2.0

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	NMOCIO-Artesia	\langle
	IITED STATES ENT OF THE INTERIOR F LAND MANAGEMENT	FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993
Do not use this form for proposals to	S AND REPORTS ON WELLS o drill or to deepen or reentry to a different reservoir. FOR PERMIT" for such proposals	5. Lease Designation and Serial No. LC-029420-B 6. If Indian, Alottee or Tribe Name
		7. If Unit or CA, Agreement Designation
Type of Well: OIL GAS WELL WELL		8. Well Name and Number Dow "B" 33 Federal
Name of Operator TEXACO EXPLOR	ATION & PRODUCTION INC.	1
Address and Telephone No. P.O. BOX 730, HC	OBBS, NM 88240 397-0426	9. API Well No. 30 015 27068
Location of Well (Footage, Sec., T., R., M., or Surve	y Description) The <u>SOUTH Line and 1980</u> Feet From The	10. Field and Pool, Exploratory Area
AST Line Section <u>33</u>	Township <u>17S</u> Range <u>31E</u>	11. County or Parish, State Eddy County , New Mexico
	Box(s) To Indicate Nature of Notice,	
TYPE OF SUBMISSION		TYPE OF ACTION Change of Plans
 Notice of Intent Subsequent Report Final Abandonment Notice 	Abandonment Abandonment Recompletion Plugging Back Casing Repair Altering Casing OTHER: set inflatable bridge	 New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection
 Describe Proposed or Completed Operations (Clear directionally drilled, give subsurface locations and 10/24/94: Set inflatable bridge plug @ 11770'. 	arly state all pertinent details, and give pertinent dates, inclue measured and true vertical depths for all markers and zones	pertinent to this work,)*.
10/25/94: Capped bridge plug with 4' cement (n 10/26/94: Swabbed. Would not flow.	ew PBTD @ 11762').	WAR 1
	ACCEPTED FOR RECORD	MAR 1 4 1995
	ACCEPTED FOR RECORD	MAR 1 4 1995
SIGNATURE	TITLE Engineering Assistant	DIST 6 M.M.
14. I hereby certify that the foregoing is true and context SIGNATURE	A. 6 1995	DIST 6 N.M.

2XACO YCG Form 3160-4 (Nevember 198 (formally 9-330)	0 83) ⁻	. 1	h i s ω e UNITED S MENT OF J OF LAND			OTT. SURM	AITŰÑĚ			Expires Au	ireau Jgust GATIO	L.No: 1004-0137 [/] t:31; 1985 N AND SERIAL NO. :
WELL CO			NP RECO		TONI	PEDURT	AN	01.00	=			E OR TRIBE NAME
1a. TYPE OF W						- 24 - 38		5	[_	7. UNIT AGREE		
b. TYPE OF CO	OMPLET	TION:				Other						· · · · · · · · · · · · · · · · · · ·
2. NAME OF OPERATOR		DEEP-		RESE		Other	\neq	\leq		8. FARM OR LE		ME FEDERAL
2. NAME OF OPERATOR TEXACO EXPLO	-	in & Prod	AUCTION INC	;.		1/	/ _	·94	ŀ	9. WELL NUMB		**************************************
3. ADORESS OF OPERAT				<u></u>		- NO'	N.E	<u></u>		1	·····	<u><u><u> </u></u></u>
P. O. Box 310		· · · · ·			· State req	-imments)*	<u>0. 0</u>			10. FIELD AND		MOPPOW MLOCAT
		-	FEL, UNIT L	-		μF	RTESTA	OFFICE	-	11. SEC., T., R		R BLOCK AND SURVEY
At top prod. interval			•	•						OR AREA		
At total depth SAM	λE			API #	しい	NFIDE	ŇH	AL			3, T-	-17S, R\$1E
API #: 30-01	15-270	68		14. PERM	MIT NO.		DATE IS	ssued 7-22-92		12. COUNTY OR PARISH EDDY		13. STATE NM
15. DATE SPUDDED 08-05-92	1	E T.D. REACHER -17-92	3	E COMPL_ (Rea -04-92	ady to pror			TIONS (DF, FI 3760', K				LEV. CASINGHEAD 760
20. TOTAL DEPTH, MD & 12050'	סעד	21. PLUG BAC 11900	CK T.D., MD & TV		, IF MULTIP HOW MANY	PLE COMPL.		23. INTER		ROTARY TOO	-	CABLE TOOLS
24. PRODUCING INTERVAL 11614' - 11		THIS COMPLETI	TION - TOP, BOTTO	JM, NAME (M	D AND TVD))*	 کیک				20	A WAS DIRECTIONAL SURVEY MADE YES
26. TYPE ELECTRIC AND GR-DLL-MSF			-CAST, GF		 SN-SDL			<u></u>	<u>}}}</u>		27. WA	AS WELL CORED
28.			CAS	SING RECO	ORD (Re	eport all st						ę
CASING SIZE	WEIGH	HT, LB./FT.	DEPTH SE	,T (MD)	HOL 14 3/	LE SIZE		O SX. TO		O' BY TS.	1	AMOUNT PULLED
							NC	HED TO S	SURFAC	E W/190		<u> </u>
8 5/8	32#		5000'		11			70 SX, C			·	
<u>5 1/2</u> 29.	17#		12050' NER RECORD		77/	/8	SEE	E ATTACI		NORY NOTI BING RECO		<u>L</u>
SIZE	TOP (MD		OTTOM (MD)	SACKS CE	AMENT"	SCREEN (MD	»	SIZE		EPTH SET (MD)		PACKER SET (MD)
							二	2 7/8				11495'
31. PERFORATION RECORD	an (interval	A Size, and nr	- mbaci	<u> </u>	I	32. ACI		LOT FR	ACTURE	CEMENT	<u></u>	EEZE, ETC.
11614' - 116'	• •		•	1 742' - 1	t 1758;					OUNT AND KIND		
11770' - 1177	-		•			11618' -			ACED -	500 GAL 7	7 1/2	2% NEFE
							•		 		<i>ر کی ک</i> ے	
33.*						DUCTION			L			
DATE OF FIRST PRODUCTI 10-05-92	ION	PRODUCTION FLOWIN	ON METHOD (Flow	ring, gas lift,	pumping-	- size and type	of pur	np)			STATUS	6 (Producing or shut-in)
DATE OF TEST 10-13-92	HOURS TE	ESTED	CHOKE SIZE 11/64	PROD'N. TEST PE		OIL - 88L. 57		GAS - M 1580	ICF.	WATER - BB		GAS - OIL RATIO 27719
FLOW. TUBING PRESS. 2500	CASING PR	RESSURE	CALCULATED 24 HOUR RATE	0L -	881.	· ·	S - MCF		WATER -	- 88L .	CIL G	PAVITY - API (CORR.)
34. DISPOSITION OF GAS VENTED FOR				- <u>_</u> L		<u>I</u>		·		TEST WITNESS		
35. LIST OF ATTACHMEN DEVIATION SUR		SUNDRY N	OTICE	······		<u></u>					<u>س کی م</u>	
36. I hereby certify that				is complete	and come	tt as determine	ad from) all availab	le records			
SIGNED_CA	<u>Ba</u>	shar	m/ROC	<u>←</u> m		LLING OPE	RATK	DNS MAN	NAGER		10	0-27-92
		*(See in	nstructions	and Spr	aces fr	or Addition	nal Dr	ata on f	Reverse			

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully in 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.

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11777	11777*	11777	
			RUSTLER YATES SEVEN RIVERS BOWERS SAND QUEEN PENROSE GRAYBURG SAN ANDRES
			NAME RUSTLER YATES SEVEN RIVERS BOWERS SAND QUEEN PENROSE GRAYBURG SAN ANDRES BONE SPRING
			ER RIVERS IS SAND IS SAND IRG IDRES IDRES
ER RIVERS S SAND BE DRES	ER 627' ER 1988' RIVERS 2362' IS SAND 2776' IS SAND 2776' SE 3176' DRES 3176'	MEAS. DI 627' 1988' 2362' 2776' 2776' 3178' 3178' 3178' 3178'	

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WELL NAME AND NUMBER:	Dow "B" 33 Federal #1	
LOCATION:	Sec. 33, T17S, R31E, Eddy County, New	Mexico
OPERATOR:	Texaco Exploration & Production, Inc.	
DRILLING CONTRACTOR:	ZIADRIL, 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	and DEPTH	DEGREES a	nd DEPTH	DEGREES a	and DEPTH
.75	191'	1.75	5,996'	2.00	7,761'
.25	370'	3.25	6,465'	2.25	7,855'
.25	570 '	4.25	6,559'	2.25	7,950'
.25	1,052'	4.75	6,621'	2.00	8,045'
.50	1,424'	4.50	6,654'	2.50	8,139'
1.00	1,799'	4,50	6,685'	2.25	8,231'
1.25	2,195'	4.25	6,748'	2.25	8,325'
.50	2,392'	5.00	6,810'	2.00	8,439'
.50	2,790'	5,50	6,873'	2.00	8,539'
.75	3,270'	5.00	6,936'	2.00	8,665'
1.00	3,642'	3.00	7,038'	2.00	8,911'
.75	4,054'	1.50	7,133'	1.50	9,221'
.75	4,429'	2.00	7,260'	1.25	9,721'
.75	4,825'	2.50	7,384'	1.75	10,220'
.75	5,000'	1.75	7,479'	.50	10,711'
1.25	5,463'	2.50	7,574'	.75	11,211'
2.00	5,904'	2.00	7,668'	.25	11,710'
	-		•	1.50	12,050'

ZIADRIL, Inc. Drilling Contractor: Bya

D. McPeters

Subscribed and sworn to before me this 22nd day of September, 1992.

erkenea Notary Public

Lea County, New Mexico

My Commission Expires:

September 13, 1996

Artesia, NM 88210		NM OIL CONS COMMISSION
THE S. DECAMPTORY OF STATES PERMATERION OF LINE OF A LEGATOR INTO OF THE DIST AND MAXAGEMENT RECT. APPLICATE DEPONDED to divert and analyzed and the approxame of t		Drawer DD Artesis NH 98210
	UNITED STATES	
A derive and Tabephane No. P.O. BOX 730, MOBBS, NM 82240 Section The Section 23 Topics: Keach 31, 193 Section Tabephane No. P.O. BOX 730, MOBBS, NM 82240 Section 33 Topics: Keach 31, 193 Section 12 Section 33 Topics: Keach 31, 193 Section 34	une 1990IOIL CONSERVE DEBARTMENT OF THE INTERIOR	
Construction C	RECE VEUREAU OF LAND MANAGEMENT	
Construction C	· · · · · · · · · · · · · · · · · · ·	Fed
Do not use the form for proposels to thild or to design or methy to a different team of the team Use 'APPLICATION F FOR FERRING THE 'Unit or CA. Agreement Designation SUBMIT IN TRIFLICATE Well. Address and Telephone No. PO, BOX 730, HOBES, NM 88240 SAR STREAM OF THE VERNE SUBMIT IN TRIFLICATE Well. Mere and Telephone No. PO, BOX 730, HOBES, NM 88240 SAR STREAM OF THE VERNE SUBMIT IN TRIFLICATE Mere and Telephone No. PO, BOX 730, HOBES, NM 88240 SAR STREAM SUBMIT IN TRIFLICATE Mere and Telephone No. PO, BOX 730, HOBES, NM 88240 SAR STREAM SUBMIT IN TRIFLICATE Mere and Telephone No. PO, BOX 730, HOBES, NM 88240 SAR STREAM SUBMIT IN TRIFLICATE Mere and Telephone No. PO, BOX 730, HOBES, NM 88240 SAR STREAM SAR STREAM SAR STREAM OF THE STREAM OF THE STREAM MARKED STREAM OF THE STREAM MARKED STREAM OF THE STREAM OF THE STREAM MARKED STREAM OF THE STREAM MARKED STREAM OF THE STREAM OF THE STREAM MARKED STREAM OF THE STREAM OF THE STREAM MARKED STREAM OF THE STREAM MARKED STREAM OF THE STREAM		
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		7. If Unit or CA, Agreement Designation
TEXACO EXPLORATION & PRODUCTION INC. ANTESKA, OFFICE 91, #2 Address and Takephone No. P.O. BOX 730, HOBBS, NM 68240 397,0431 9. API Well No. 30-015-27068 #1 / 30-015-27068 #1		
Address and Talephone No. P.O. BOX 730, HOBBS, NM 88240 397-0431 B. APF Well No. 30-015-27058 #1 J. Location of Well (Floatege, Sec., T., R., M., or Survey Description) 10. Field and Pool, Exploratory Area Line	. Name of Operator C. D. TEXACO EXPLORATION & PRODUCTION INC. ARTESIA, OFFICE	#1,#2
Location of Well (Footage, Sec., T. R., M. or Survey Description) Int Letter	Address and Talashana Na	30 013 1000 #=
	Location of Well (Footage, Sec., T., R., M., or Survey Description)	
Line Section 33 Township 17-S Range 31-E EDDY, NEW MEXICO 2 Check Appropriate Box(s) To Indicate Nature of Notice, Report, or Other Data TYPE OF SUBMISSION TYPE OF ACTION Basedian Change of Pars Check Appropriate Box(s) To Indicate Nature of Notice, Report, or Other Data TYPE OF SUBMISSION TYPE OF ACTION Basedian Non-Routine Fracturing Casing Repair Ohange of Pars Casing Repair Water Shut-Off Casing Repair Dispose Water Progring Basek Dispose Water Casing Repair Dispose Water Vexter Casing Repair Dispose Water Parsenter of notice of training any proposed OTHER: change meth. of water disposed Provert. If well is directionally diffied, give subsurface tocations and measured and true vertical depths for all markers and zones partiment to this work. I*. ALWATER PRODUCED FROM THE DOW "5" FEDERAL LEASE WILL BE HAULED TO THE SKELLY UNIT TO BE USED AS NUMETOR TOKAGE: A SEPARATE 210 BARREL FIBERGLASS TANK IS USED FOR WELLS #1 AND #2. E- WATER MOVED BY: THE WATER IS HAULED BY EITHER ROWLAND TRUCKING OR LAND W TRANSPORTATION. F. INJECTION SYSTEMT TO WHICH THE WATER IS HAULED BY EITH		
2. Check Appropriate Box(s) To Indicate Nature of Notice, Report, or Other Data 2. Check Appropriate Box(s) To Indicate Nature of Notice, Report, or Other Data TYPE OF SUBMISSION TYPE OF ACTION 2. Check Appropriate Box(s) To Indicate Nature of Notice, Report, or Other Data TYPE OF SUBMISSION Preport of Mans Abandonment New Construction Plauging Back Non-Routine Fracturing 3. Describe Proposed or Completed Operations (Clearly state all perfinent details, and give perfinent dates, including estimate and and ary proposed work. If well is directionally diffed, give subsurface locations and measured and true vertical depths for all markers and zones perfinent to this work. ¹¹ 3. Describe Proposed or Completed Operations (Clearly state all perfinent details, and give perfinent dates, including estimate for a starting any proposed work. If well is directionally diffed, give subsurface locations and measured and true vertical depths for all markers and zones perfinent to this work. ¹¹ AL WATER PRODUCED FROM THE DOW "B' FEDERAL LEASE WILL BE HAULED TO THE SKELLY UNIT TO BE USED AS NUECTION SYSTEM TO WHICH THE WATER IS AULED BY ETHER ROWLAND TRUCKING OR I AND #2. E- WATER MOVED BY: The WATER B AULED BY ETHER ROWLAND TRUCKING OR I AND #2. E- WATER MOVED BY: The WATER BY AULED BY ETHER MORED BY ETHER WATER IS AULED BY ETHER HER DAVER BY AULED BY ETHER WATER IS AULED BY ETHER WATER IS AULED BY ETHER WATER IS AULED. SKELLY UNIT WATER FLOOD TITLE Engineering A	Line Section 22 Township 17.5 Bango 21.5	11. County or Parish, State
	Line Section 33 Township 17-5 Range 31-E	EDDY , NEW MEXICO
A Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated able of entry of the unit of the	2. Check Appropriate Box(s) To Indicate Nature of Notice,	Report, or Other Data
A Notice of Intent Audition Au	TYPE OF SUBMISSION	TYPE OF ACTION
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Inel Abandonment Notice	Subsequent Report Casing Repair	Water Shut-Off
	Final Abandonment Notice	Conversion to Injection
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14. I hereby certify that the foreform is true and correct SIGNATURE	INJECTANT AT THE SKELLY UNIT. A- PRODUCING FORMATION: CEDAR LAKE MORROW EAST B- AMOUNT OF WATER PRODUCED PER DAY: APPROXIMATELY 2 BWPD C- CURRENT WATER ANALYSIS ATTACHED D- WATER STORAGE: A SEPARATE 210 BARREL FIBERGLASS TANK IS USED FOR WELLS E- WATER MOVED BY: THE WATER IS HAULED BY EITHER ROWLAND TRUCKING OR I AND F- INJECTION SYSTEM TO WHICH THE WATER IS HAULED: SKELLY UNIT WATER FLOOD LEGAL: SEC. 22, TOWN. 17S, RANGE 31E	#1 AND #2. DW TRANSPORTATION.
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		 DATE 4/5/94
	TYPE OR PRINT NAME Darrell J. Carriger (This space for Federal or State office use) APPROVED BY (ORIG. SGD.) JOE G. LARATITLE OFTROLEUM EN-	CIENCE (Low

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Unichem International

707 North Leech

P.O.Box 1499

Hobbs, New Mexico 88240

Company : Texaco Inc. Date : 3-24-1994 Location: Dow FED (on 3-17-1994)

	Sample 1
Specific Gravity:	1.002
Total Dissolved Solids:	3358
pH:	6.40
IONIC STRENGTH:	0.064

CATIONS: Calcium Magnesium Sodium Dissolved Iron	(Ca+2) (Mg+2) (Na+1) (Fe+2)	me/liter 5.00 7.20 45.4 17.9	mg/liter 100 87.5 1040 500	·
ANIONS: Bicarbonate Carbonate Hydroxide Sulfate Chloride	(HCO3-1) (CO3-2) (OH-1) (SO4-2) (C1-1)	3.40 0 0 54.2	207 0 0 1920	
DISSOLVED GASES Carbon Dioxide Hydrogen Sulfide	(CO2) (H2S)		220 0	

	SCALING	INDEX	(positive	value indicate Calcium	es scale) Calcium
M	-				
Temper				Carbonate	Sulfate
86[F	30[C			-1.0	-19
110[F	43[C			-0.27	-19
130[F	54 [C			0.07	-19
140[F	60[C			0.26	-19
160[F	71[C			0.66	-18

Comments: Analysis performed by Bob Wallace - Hobbs Lab cc: Jay Brown Joe Hay I

BUREAU OF LAND MANAGEMENT CARLSBAD RESOURCE AREA

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Disposal of Produced Water From Federal Wells

Conditions of Approval

Approval of the produced water disposal methodology is subject to the following conditions of approval:

- 1. This agency be notified of any change in your method or location of disposal.
- 2. Compliance with all provisions of Onshore Oil and Gas Order No. 7.
- 3. This agency shall be notified of any spill or discharge as required by NTL-3A.
- 4. This agency reserves the right to modify or rescind approval whenever it determines continued use of the approved method may adversely affect the surface or subsurface environments.
- 5. All aboveground structures on the lease shall be painted sandstone brown, Federal Std. 595-20318, or 30318, within 90 days if you have not already done so.
- 6. Any on lease open top storage tanks or pits shall be covered with a wire screen or plastic/nylon netting to prevent entry by birds and other wildlife.
- 7. This approval does not constitute right-of-way approval for any off lease activities. If water is transported via a pipeline that extends beyond the lease boundary, you need to submit within 30 days an application for right-of-way approval to the Realty Section in this office if you have not already done so.

		@ .
	NM OIL, COL	ns commission
une 1990 RECEIVED DEPARTMENT	ED. STATES 394 Drawer DD Artesia, N	NM 88210 FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993
	AND MANAGEMENT	5. Lease Designation and Serial No. LC-029420-B
Do not use this form for proposals to drill	ND REPORTS ON WELLS For to deepen or reentry to a different reserve PERMIT—" for such proposals	6. If Indian, Allottee or Tribe Name /OIT.
SUBMIT I	IN TRIPLICATE	7. If Unit of CA, Agreement Designation
1. Type of Well Oil Well Well Other		8. Well Name and No.
2. Name of Operator Texaco Exploration and Production In		DOW B 33 FEDERAL #1
Texaco Exploration and Production Inc.	<u>.</u>	9. API Well No.
3. Address and Telephone No. P.O. Box 730, Hobbs, NM 88240	505-393-7191	30-015-27068 10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Desc		CEDAR LAKE MORROW EAST
UNIT LETTER J, 2180' FSL & 1980' FEI SEC. 33, T-17-S, R-31-E		11. County or Parish, State EDDY COUNTY, NEW MEXICO
2. CHECK APPROPRIATE BOX(s)	TO INDICATE NATURE OF NOTICE, RE	l
TYPE OF SUBMISSION	TYPE OF ACT	
Notice of Intent		Change of Plans
	Recompletion .	New Construction
X Subsequent Report	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off
Final Abandonment Notice	Altering Casing	Conversion to Injection
	Cther METHOD OF WATER DISPOSAL	(Note: Report results of multiple completion on Well
ETAILS OF WATER DISPOSAL: A) PRODUCING FORMATION: Cedar Lake Mo B) AMOUNT OF WATER PRODUCED PER DAY C) CURRENT WATER ANALYSIS ATTACHED D) WATER STORAGE: 210 barrel fiberglass	: App 1 barrel per day s tank Trucking to approved salt water disposal TRUCKED: LEGAL stall Sec 32, T-21-S, R-27-E Trucking Sec 31, T-18-S, R-36-E APPROVAL BUDJECT TO GENERAL RECUMPTION	I wells.
	Special Stipulations Attached	

1

Unichem International

707 North Leech

P.O.Box 1499

Hobbs, New Mexico 88240

Company : Date : 07-06-1993 Location: DOW-B - 33 FED #1 (on 7-2-1993)

	Sample 1
Specific Gravity:	1.026
Total Dissolved Solids:	36590
pH:	6.10
IONIC STRENGTH:	0.632

	me/liter	mg/liter
(Ca+2)	3.33	66.7
(Mg+2)	4.00	48.6
(Na+1)	618	14200
(Fe+2)	17.9	500
(HCO3-1)	2.00	122
(CO3-2)	0	0
(OH-1)	0	0
(SO4-2)	2.95	142
(Cl-1)	621	22000
	(Mg+2) (Na+1) (Fe+2) (HCO3-1) (CO3-2) (OH-1) (SO4-2)	$\begin{array}{cccc} (Ca+2) & 3.33 \\ (Mg+2) & 4.00 \\ (Na+1) & 618 \\ (Fe+2) & 17.9 \end{array}$ $\begin{array}{cccc} (HCO3-1) & 2.00 \\ (CO3-2) & 0 \\ (OH-1) & 0 \\ (SO4-2) & 2.95 \end{array}$

	SCALING INDEX	(positive	value indicate	s scale)
			Calcium	Calcium
Temper	ature		Carbonate	Sulfate
86[F	30[C		-2.6	-68
110[F	43[C		-1.9	-68
130[F	54[C		-1.5	-68
140[F	60[C		-1.3	-68
160[F	71[C		-0.94	-64

Comments: cc: Jay Brown Joe Hay I

I,

Submit S Copies Appropriate District Office DISTRICT I		Minerals and N		rces Departm	ة و	af e caved	See Ins	d 1-1-89 structions
P.O. Box 1980, Hobbs, NM 88240 DISTRICT II 011 CO P.O. Drawer DD, Artesia, NM 88210	OIL C DNSERVA ON DI RECEIVED SA		Box 2088		DN	ny 2 → 199		tom of Page
DISTRICT III 1000 Rio Brizos Rd., Azzec, NM(57,419 1.	AN REQUEST F	OFALLOWA	ABLE AND	AUTHORI	AS		£.	_,
Openior Texaco Exploration and Pro	aduction Inc.		-		1	API No. -015-2706	20	
				<u></u>		*V 10	<u>o</u>	
	ew Mexico 8824	0-2528						
Reason(s) for Filing (Check proper box)		<u> </u>	Out	ner (Please expla	ain)		<u></u>	
New Well	Change in	n Transporter of:	-					
Recompletion		Dry Gas						
Change in Operator	Casinghead Gas	Condensate	1			<u></u>		
If change of operator give name and address of previous operator				<u> </u>				<u> </u>
I. DESCRIPTION OF WELL	AND I FACE	1 N. L.	/, 1.	The second		p 2.22		
I. DESCRIPTION OF WELL Lesse Name		Pool Name, Inclu		<u></u>		of Lease	L	esse No.
DOW "B" 33 FEDERAL	1	WILDCAT MO	- \	St P.L	State, FEDE	Federal or Fee		29420-В
Locationa Unit Letter		_ Feet From The S		e and198		eet From The	EAST	Line
			_					
Section 33 Townshi	ip 17-S	Range 31-	-E ,N	MPM,		EDDY		County
			TITAL CAS					
II. DESIGNATION OF TRAN Name of Authorized Transporter of Oil TTTI	NSPORTER OF O		Address (Gim		••	t copy of this for LAND, TEXA		
Name of Authorized Transporter of Casing CONOCO INC.		or Dry Gas	Address (Give	e address to whi	ich approved	copy of this for MIDLAND	rm is to be se	ent)
if well produces oil or liquids, ive location of tanks.		Twp. Rge		•	When	7		
	J 33	175 31E		NO		<u></u>		
this production is commingled with that in V. COMPLETION DATA		-				Deck It	Darly	
Designate Type of Completion	- (X)	Gas Well X	New Well	Workover	Deepen	Plug Back S	ame Kes v	Diff Res'v
Date Spudded	Date Compl. Ready to		Total Depth	l	·ł	P.B.T.D.		1
8-5-92	•	-492		12050'	,	P.B.1.0.	11900	\ ?
ilevations (DF, RKB, RT, GR, etc.)	Name of Producing For		Top Oil/Gas Pa			Tubing Depth		
GR-3760', KB-3777'	MORI			11614'	, 1	10000	11495	.,,
erforations 11614-11618, 11718-11						Depth Casing S		
		CASING AND			<u> </u>			
HOLE SIZE	CASING & TU		!	DEPTH SET			CKS CEME	
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	ſ]]		RFACE W	
11		8 5/8		5000'			0 SX. (CIF	
7 7/8		5 1/2		12050'		2300 57	X, TOC @	4000
TEST DATA AND REQUES			· · · · · · · · · · · · · · · · · · ·	to- alla	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · ·		
	covery of total volume of Date of Test	fload oil ana musi		exceed top allow hod (Flow, pum	the second s	and the second se	full 24 nours.	.)
ILE FIRST NEW OIL RUIL TO TAME	Date of Test		Producing	100 (<i>r 1041 pm.</i> ,	р, заз 191,	;.)		
ngth of Test	Tubing Pressure	<u></u>	Casing Pressure	;		Choke Size		
-	-				+	Gas-MCF		
	Oil - Bbls.	- <u></u>	Water - Bbls.					
AS WELL	Oil - Bbls.		Water - Bbls.					
AS WELL tual Prod. Test - MCF/D	Length of Test		Water - Bbls.	e/MMCF		Gravity of Conc	lensale	
AS WELL tual Prod. Test - MCF/D 1580 MCF	Length of Test 20 HR		Bbls. Condensat	57		•	idensale 54.4	
AS WELL tual Prod. Test - MCF/D 1580 MCF sting Method (pilor, back pr.)	Length of Test			57		Gravity of Conc Choke Size	54.4	
AS WELL tual Prod. During Test AS WELL tual Prod. Test - MCF/D 1580 MCF sting Method (pilot, back pr.) FLOWING	Length of Test 20 HR Tubing Pressure (Shut-in	n) ·	Bbls. Condensat	57		•		
AS WELL Stual Prod. During Test AS WELL Stual Prod. Test - MCF/D 1580 MCF sting Method (pilor, back pr.) FLOWING I. OPERATOR CERTIFICA I hereby certify that the rules and regulati Division have been complied with and th	Length of Test 20 HR Tubing Pressure (Shut-in ATE OF COMPL tions of the Oil Conserva nat the information given	n) LIANCE ation	Bbls. Condensat	57 : (Shut-ia)	SERVA	Choke Size	54.4 11/64 IVISION	4
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INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.

2) All sections of this form must be filled out for allowable on new and recompleted wells.

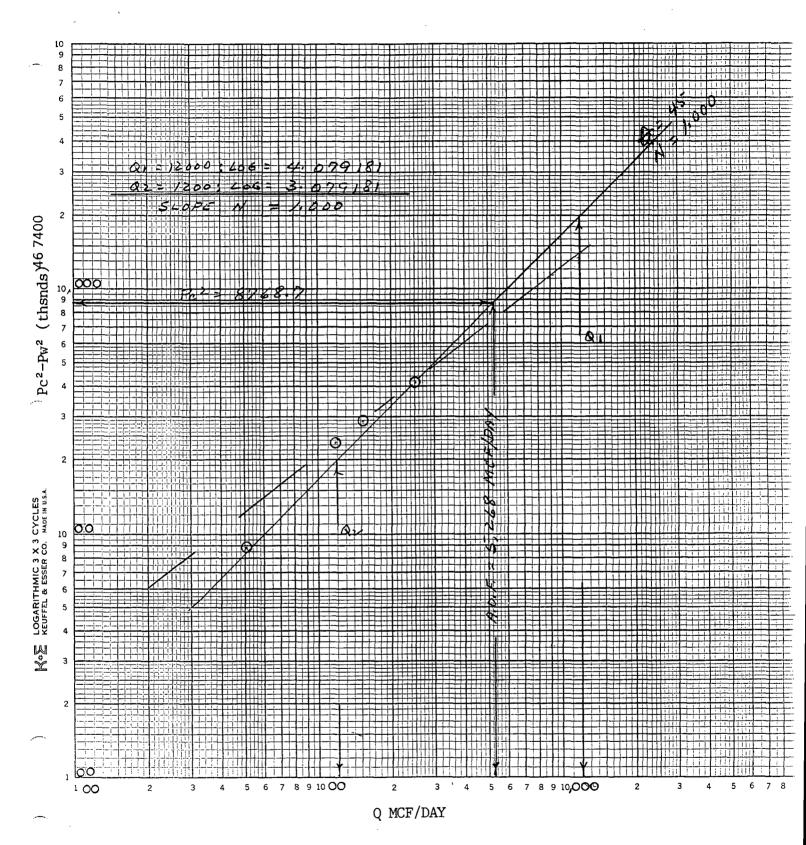
3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.

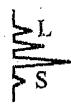
4) Separate Form C-104 must be filed for each pool in multiply completed wells.

miti	n duplicate to			مند ع 28سید ≎نرور	😁 En	ergy, M	Sta inerals a	ate of New and Natura	Mexico I Resou	rces D	Department				m C-122
propri	ate district of 401 & Rule	fice	MUN		532 	· ·	CONS	ERVAT	ION-D	IVIS	SION			Civit (rised 4-1-91
		, . 1	78 54). 	Sa	nta Fe,	P.O. Box New Mexi	2088 ₋ co 875(04-20	D 88		Ŀ	Kour	小言儿
		Μ	JLTIP	OINT	ANI	ONE	POIN	т в́Аск	PRES	SUR	E PESPF	OR GA	S WE	ELL 🧉	equo 850
Opera		.CO.	INC.	/						Lease	or Unit Name DOW B	- 33 FEL).		
Type				nnual				·····		Test I			Well N	o. 1	
Comp 10	letion Date -5-92			Depth 12050)		Plug Bac	^{k TD} 1190(Eleva			Unit Li 33	$\frac{1}{1 Sec 1}$	WP - Rge. 31
Csg. S		Vt.	d	12070	Set At		Perforatio			l			County		
5 ¹ /2		17			120	50	From:	11614		To:	11777		E	Eddy	
Tbg. S		₩t.	d		Set At		Perforation	ons:					Pool		
	7/8 Well - Single -	6.5	2.4		114		From:	Packer Set	<u></u>	To:	<u></u>		Format	ion	
	sing	gLe				•			114	93			Mor	row	
	cing Thru F	188.	9'C11	493 ^{Mea}		al Temp. ⁹		Baro, Press	<u> </u>	3.2	·			zented	
l 149	н 93 114	. 03	Gg	658	% CO	² .54	% 1	• 2 .52	% H	l ₂ S	Prover		Meter I 4.0		Taps Flg.
<u> </u>			FLOW I		1			• 52	Т	UBIN	G DATA	C		DATA	Duration
NO.	Prover Line X	Orif	ice	Pre		Diff.		Temp.	Pres		Temp.	Pres		Temp.	of Flow
SI	Size	Siz	æ	p.s.i	g.	h		°F	p.s.i 2948	-	•F	p.s.i Pkr.		°F	72 hr.
.	4 X 1	. 500)	540)	2	.6	105	2793			п —			1 hr.
		500		558			.00	77	2521		•				1 hr.
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10.	(24 HOUF 10.84	0		h _w P _m 7.93			<u>53.2</u>		or FL 9594	_	Fg. 1.233		or, F pv.	50	Q, Mcfd
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	10.84			6.88			71.2		005		1.233		.068	153	
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·	.85	<u> </u>	1	1/43		.91		cific Gravity	•	-	.658			XXX	XXXXXX
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	ute Open Flow		5,26	8			Mcfd	@ 15.025	Angl	e of Sk	оре Ө 45			Slope, n	1.000
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Type Test	<u>ک</u>	INITIAL		ANNUAL	· · · · · · · · · · · · · · · · · · ·	знсса		10	0q13-92	Lease Na or Serial No.	
ompany	'TÈXA	ACO, INC.			Connecti	an				Allottes	
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Cample (10) 10-5	-92	Total (120	lorrow Jepin 150		Plug dacs 119		ē	levalion		Farm or Lease Name DOW B 33 FED.	———·
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Type Comp	tetion	(Describe)		<u>, , , , , , , , , , , , , , , , , , , </u>			<u></u>	Packer	Set At	County or Parish	<u> </u>
Producing Ti	Single	Raser	vor lemp.	F	Mean Ar	inuai Temp	p. F E	an. Pres	13 Pg	Eddy Store	
		н	69.		% CO1	% N2		%н5	Prov		
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TEXACÓ, INC. Dow B 33 Federal, Well #1 33-17-31 Eddÿ County, New Mexico 10-13-92





Laboratory Services 1331 Tasker Drive Hobbs, New Mexico 88240

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Telephone: (505) 397-3713

FOR:Texaco E & P Inc.SAMPLEAttention: Mr. Richard LemmonsIDENTIFICATION: Dow B 33 Federal #1P. O. Box 730COMPANY: TEPIHobbs, New Mexico 88240LEASE:PLANT:PLANT:

S DATE: 12 RE - PSIG	2-13-92 558,00	5 PGAS (XX) SAMPLED ANALYSIS	LIQUID () Richard Lemmons Vickie Walker
 TEMP. °F TEMP. °F	50.00 78.00		

COMPONENT ANALYSIS

		MOL	•	
COMPONENT		PERCENT	GPM	
Oxygen	(02)			
Hydrogen Sulfide	(H2S)	0.00		
Nitrogen	(N2)	0,52		
Carbon Dioxide	(CO2)	0,54		
Methane	(C1)	85.80		
Ethane	(C2)	8.40	2.241	
Propane	(C3)	3.24	0,892	
I-Butane	(IC4)	0.36	0.117	
N-Butane	(NC4)	0.70	0.220	
I-Pentane	(IC5)	0.15	0,055	
N-Pentane	(NC5)	0.13	0.047	
Hexane	(C6+)	0.16	0.057	
Heptanes Plus	(C7)	0.00	0.000	
·		100.00	3.639	
BTU/CU.FT DR	Y	1150	MOLECULAR WT	19,0598
AT 14.650 DRY	•	1147		••••
AT 14,650 WET		1127	26# GASOLINE -	0.242
AT 15.025 DRY		1176		
AT 15.025 WET		- 1156		
SPECIFIC GRAVIT	Υ-			
CALCULATE		0.658		
MEASURE		0.000		
MEAGURE	<i>م</i> ا	0.000		

Form 3160-3 (July 1989) (formerly 9-3	t 31C) ∂rtesi DELosi DEL		STATES F THE I		CONTACT R OFFICE FOR 1 OF COPIES RI (Other instructio reverse side) OIL CONS	NUMBER EQUIRED ns on	BLM Roswie BLM Roswie Modified Fo NM060-316	orm No. 50-2	ND SERIAL NO.	
						FC ()	the second s	C-0294	OR TRIBE NAME	
	TION FOR	PERMIT TO I	JKILL,	DEEPEN	1, OR PLUG I		m 2 54		UK INIDE NAME	
1a. TYPE OF WORK	DRILL		eepen		PLUG BAC		7. UNIT AGREEN			
		OTHER WIL		SINGLE			8. FARM OR LE			
2. NAME OF OPERAT		PRODUCTION IN	c/		3a. AREA CODE & PH (915) 688-46		9. WELL NO.	'B' 33	FEDERAL	
3. ADDRESS OF OPEN					1010/000		1	1		
P. 0. Box		nd, Texas 797					10. FIELD AND	POOL, OR	WILDCAT	
At surface		clearly and in accord	lance with	any State requi	rements:*)	<u></u>	X II SEC T D	WILDO		
2180' FSL &	· · · ·	JNIT LETTER: J			يە مەر مەنبە مەر مەربە <u>بەر يەر مەر</u> بەر	** * *	11. SEC., T., R. AND SURVE	Y OR ARE	рьк. А	
SAME	M. 20115		_				SEC. 33.	, T-17	S, R-31-E	
14. DISTANCE IN MI	LES AND DIRECTION F	ROM NEAREST TOWN	OR POST OF	FICE*	· · · · · · · · · · · · · · · · · · ·		12. COUNTY OR	PARISH	13. STATE	
		LS, NEW MEXK	<u>xo</u>	16 NO OF 4	CRES IN LEASE	17 NO 0=	EDDY		NM	
15. DISTANCE FROM LOCATION TO NE PROPERTY OR LI	EASE LINE, FT.	1980'		10. NU. OF A			S WELL	0/40		
18. DISTANCE FROM	drig. unit line, if a PROPOSED LOCATION	•		19. PROPOSED	720 DEPTH	20. ROTAR	JZ	0/40 LS		
TO NEAREST WE	LL, DRILLING, COMPL , ON THIS LEASE, FI	ETED, 1st W	ELL		12,100'			TARY		
-	w Whether DF, RT,	GR, ETC.)					.]	DATE WORK WILL START *		
GR-3760'		DDODOSI					JUL	Y 20,	1992	
			ED CASIN		ENTING PROGRA	м ——————	. <u></u>	r		
HOLE SIZE	CASING SIZE	WEIGHT/FOOT		ADE C-40	THREAD TYPE	SETT	SETTING DEPTH		QUANTITY OF CEMENT	
14 3/4	11 3/4	42#		<u>C-40</u> C-40	ST&C		675' CIRCU			
11	8 5/8	32#	J-55	& S-80	LT&C	5	000°(+ie ba		المحدد فيالمحدوق المحدول المحدول المحدول المحدول	
77/8	5 1/2	17#	J-5	5 & L-80	LT&C	¹ 12	2100'(+6 ab Welfa			
NTERMEDIATE (, 9.9gw/s). PRODUCTION CA PPg, 1.28f3/s TAGE: 1000 \$	CASING - 1200 F/B 250 SACK SING - 1st ST/ 3, 5.75gw/s) SACKS 50/50 F	CLASS C w/ 2 SACKS 35/65 F S CLASS H w/ 2 GE: 850 SACK F/B 500 SACKS POZ CLASS H w/ 6ppg, 1.18f3/s	POZ CLA: 2% Cacl2 S 50/50 CLASS I / 2% GEL	SS H w/ 6% (15.6ppg, POZ CLASS H (15.6ppg , 5% SALT	GEL, 5% SALT 1.19f3/s, 5.2 S H w/ 2% GEL , 1.18f3/s, 5.	* & 1/4# 2gw/s). , 5% SAL 2gw/s).	FLOCELE (1 .T & 1/4# FI DV TOOL @	LOCELE 8700.	E (14. . 2nd	
ABOVE SPACE DESC proposal is to drill any.	RIBE PROPOSED PRO	ORS IN THIS QU/ GRAM: If proposal is ally, give pertinent d	to deepen d	w plug back, gi	ve data on present ;					
signed	P. Basham	/cwH	TITLE	DRILLI	NG OPERATIONS	MANAGE	R DATE	06	-25-92	
(This space for Fe	deral or State office	use)				<u></u>	.			
DEDMITING				40000	NAL DATE					
PERMIT NO.	12. 1	7 ~			VAL DATE			~ ~		
APPROVED BY CONDITIONS OF A APPROVAL	SUBJECT TO	nyth	זוד_	E	·	<u> </u>	DATE	<u>/a</u>	2-92	
SPECIAL R	EQUIREMENTS IPULATIONS		See Inst	ructions O	n Reverse Side	8				

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.

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

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DISTRICT I P.O. Box 1980, Hobbs, NM 88240

DISTRICT II P.O. Drawer DD, Artesia, NM 88210

DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Well No. 2362 DOW "B" 33 FEDERAL 1 TEXACO EXPLORATION AND PRODUCTION INC. Unit Letter Section Township Range County EDDY 31-East 17-South J 33 NMPM Actual Footage Location of Well: feet from the East 1980 2180 South feet from the line line and Ground level Elev. Producing Formation Pool Dedicated Acreage: 320 3760 Morrow; Atoka Widlcat Acres 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.? Yes No If answer is "yes" type of consolidation If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if neccessary. No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division. **OPERATOR CERTIFICATION** I hereby certify that the information contained herein in true and complete to the best of my knowledge and belief. Signature Printed Nan Royce D. Mariott Position Division Surveyor Company Texaco Expl. & Prod. Inc. Date June 17, 1992 SURVEYOR CERTIFICATION 33 I hereby certify that the well location shown on this plat was plotted from field notes of 1980 actual surveys made by me or under my supervison, and that the same is true and correct to the best of my knowledge and belief. Date Surveyed June 16, 1992 Signature & Seal of Professional Surveyor 2180 Certificate No. 7254 Piper John S. 1500 1000 330 660 990 1320 1650 1980 2310 2640 2000 500 0 Sheet of () = Found 2 or 3" Iron Pipe with GLO Brass Cap O = Found 1" Iron Pipe with GLO Brass Cap

Submit to Appropriate District Office State Lease - 4 copies Feé Lease - 3'copies

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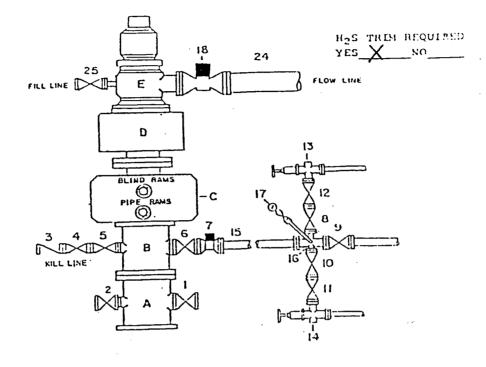
WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator 2350 Well No. DOW "B" 33 FEDERAL 1 TEXACO EXPLORATION AND PRODUCTION INC. Unit Letter Section Township Range County EDDY 17-South 31-East 33 NMPM Actual Footage Location of Well: feet from the East 1980 2180 South line feet from the line and Ground level Elev. **Producing Formation** Pool Dedicated Acreage: 40 3760 Bone Spring Widlcat Acres 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.? If answer is "yes" type of consolidation Yes] No If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if neccessary. No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division. OPERATOR CERTIFICATION I hereby certify that the information contained herein in true and complete to the best of my knowledge and belief. and Printed Name Royce D. Mariott Position Division Surveyor Company Texaco Expl. & Prod. Inc. Date June 17, 1992 SURVEYOR CERTIFICATION 33 I hereby certify that the well location shown on this plat was plotted from field notes of 1980 actual surveys made by me or under my supervison, and that the same is true and correct to the best of my knowledge and belief. 40 ALTES Date Surveyed June 16, 1992 Signature & Seal of Professional Surveyor 2180 MM Certificate No. 7254 John S. Piper 330 660 1980 2310 2640 2000 1500 1000 500 990 1320 1650 0 Sheet of ()= Found 2 or 3" Iron Pipe with GLO Brass Cap O = Found 1" Iron Pipe with GLO Brass Cap

DRILLING CONTROL

CONDITION IN-B-5000 PSI WP



CRILLING CONTROL

MATERIAL LIST - CONDITION IV - B

- Texaco Wellhead λ
- 5000# W.P. drilling spool with a minimum 2" flanged outlet for kill line and 3" minimum flanged outlet for choke line.
- 5000; W.P. Dual ram type preventer, hydraulic operated with 1" steel, 5000; W.P. control lines. 5000; W.P. Annular preventer, hydraulic operated with 1" steel, 3000; W.P. control lines. с
- D
- Rotating Head with fill up outlet and extended Blooie line. ε

2" minimum 5000# W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve. 1,2,4,5, 2,10,11, 12

- 2" minimum 5000# W.P. back pressure valve.
- 3]" minimum 5000∉ W.P. flanged full opening steel gate valve, or Halliburton Lo Torc Plug valve. 6,9
- 3" minimum 5000# W.P. flanged hydraulic valve 7
-)" minimum Schedule 160, Grade B, scamiess line pipe 15
- 2" minimum x]" 5000# W.P. flanged cross 16
- 2" minimum 50004 W.P. adjustable chokes with carbide 13,14 trim.
- Cameron Hud Gauge or equivalent (location in choke line optional). 17
- 6" minimum 1000¢ hydraulic flanged valve. : 5
- 8" minimum steel flow line. 24
- 2" minimum 30001 W.P. flanged or threaded fill opening steel gate valve, or Halliburton to Torc Plug valve. :5

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TEXACO, INC مانان دمانات -----

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W::{:(0(0))/20 = (0)N = = 2(0): REISSUES PI# 30-T-0001 11/15/96 SEC 33 TWP 17 30-015-27068-0001 **17S RGE** 31E PAGE. NMEX EDDY * 2180FSL 1980FEL SEC NW SE TEXACO EXPL & PROD WSX WS CLASS INIT STATE DOW 'B' 33 FEDERAL 1 WELL NO. 3760GR UNNAMED ****** FIELD/POOL/AREA OPER ELEV * API 30-015-27068-0001 STATE PERMIT OR WELL I.D. NO. LEASE NO. 10/09/1996 WO-UNIT 10/18/1995 VERT D&AW STATUS 3750 GRAYBURG NOT RPTD PROJ. DEPTH ***** PROJ. FORM ********** CONTRACTOR DTD 12050 OTD 12050 FM/TD MORROW LOCATION DESCRIPTION 7 MI SE LOCO HILLS, NM WELL IDENTIFICATION/CHANGES FINAL STATUS CHGD FROM TA PRODUCTION TEST DATA MORROW 11614-11777 PERF PERF 11614-11777 BRPG @ 7965 11614-11777 GRAYBURG PERF PERF 3688- 3726 ACID 3688- 3726 W/ 104/IT 3688- 3726 ACID 3688-15% NEFE HCL PLUG @ 1830 3000GALS 3688- 3726 LOGS AND SURVEYS /INTERVAL, TYPE/ LOGS 3000- 4000 GR 3000- 4000 CCL 3000- 4000 CBL PLUGGING RECORD / INTERVAL PLUGGED CEMENT/ 3777-3937 25 SACKS 1830-1950 564-703 160 SACKS 0-100 PERF 3885, UNABLE TO PUMP INTO PERFS PERF 1950, 703 & SQZ 1830- 1950 0- 100 65 15 SACKS SACKS CONTINUED IC# 300157000896 COPYRIGHT 1996 **Petroleum Information** PI-WRS-GET Corporation

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REISSUES PI# 30-T-0001 11/15/96 SEC 33 TWP 17 30-015-27068-0001 17S RGE 31E PAGE 2

TEXACO EXPL & PROD

WSX WS

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DOW 'B' 33 FEDERAL

DRILLING PROGRESS DETAILS

TEXACO EXPL & PROD BOX 3109 MIDLAND, TX 79702 915-688-4100 OWWO: OLD INFO: FORMERLY TEXACO EXPL & PROD 1 DOW 'B' 33 FEDERAL. ELEV 3760 GR, 3777 KB. SPUD 8/5/92. 11 3/4 @ 653 W/590 SX. 8 5/8 @ 5000 W/1770 SX. 5 1/2 @ 12050 W/2300 SX. 0TD 12050. PB 11900. COMP 10/4/92. IPCAOF 21882 MCFGPD. PROD ZONE: MORROW 11614-11777. LOC/1995/ 12050 TD COMP 10/9/96. D&A REISSUE TO CORRECT FINAL STATUS & ADD PLUG DETAILS REPLACEMENT FOR TICKET ISSUED 1/12/96

10/15 11/12

11/12

REPLACEMENT FOR TICKET ISSUED 1/12/96

SEC 33 TWP 17 30-015-27068-0001 COMPLETIONS 17S RGE 31E PI# 30-1-0009 01/12/96 PAGE * 2180FSL 1980FEL SEC NMEX EDDY NW SE STATE COUNTY FOOTAGE SPOT TEXACO EXPL & PROD WSX WS DOW 'B' 33 FEDERAL 1 WELL NO. LEASE NAME 3760GR UNNAMED ****** FIELD/POOL/AREA OPER ELEV # API 30-015-27068-0001 LEASE NO. PERMIT OR WELL I.D. NO. 10/18/1995 10/25/1995 WO-UNIT VERT TAW STATUS STATUS 3750 GRAYBURG NOT RPTD PROJ. DEPTH ***** PROJ. FORM ***** CONTRACTOR PB 7965 OTD 12050 FM/TD MORROW DTD 12050 DRILLERS T.D. WINNING LOG T.D. WINNING PLUG BACK TD WINNING OLD T.D. LOCATION DESCRIPTION 7 MI SE LOCO HILLS, NM PRODUCTION TEST DATA MORROW PERF 11614-11777 PERF 11614-11777 BRPG @ 7965 11614-11777 GRAYBURG PERF PERF 3688- 3726 ACID 3688- 3726 W/ 104/IT 3688- 3726 **3000GALS** 15% NEFE HCL WELL SI PENDING EVAL LOGS AND SURVEYS / INTERVAL, TYPE/ LOGS 3000- 4000 GR 3000- 4000 CCL 3000- 4000 CBL DRILLING PROGRESS DETAILS TEXACO EXPL & PROD BOX 3109 MIDLAND, TX 79702 915-688-4100 OWWO: OLD INFO: FORMERLY TEXACO EXPL & PROD 1 DOW 'B' 33 FEDERAL. ELEV 3760 GR, 3777 KB. SPUD 8/5/92. 11 3/4 @ 653 W/590 SX, 8 5/8 @ CONTINUED IC# 300157000896 COPYRIGHT 1995 **Petroleum Information** PI-WRS-GET Corporation

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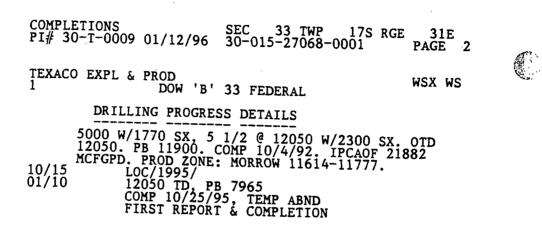
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VVHS REISSUES PI# 30-1	COMPLI -0002 01	ETIOI /28/94	N REP SEC 30-0	ORT 33 1 15-270	TWP 168-0	17S 0000	RGE	3 PAG	1E E 1
NMEX STATE	EDDY	* 2	180FSL	1980F	FEL S	EC		NW S	E
TEXACO E	XPL & PR	OD					FUL CL		
1	-	DOW "F	" 33 F	EDERAL				~~~~~	
3777KB	3760gr	LEASE NA	VIE		C	EDAR	LAK	ΕE	
				A	NPI 3	0-01	5-27	068-	0000
08/05/1	.992 10/	04/199	LEASE NO. *	RY V	^{∞ permi ∕ERT}	F OR WE	ELL I.D.	NO. GA	
SPUD DATE	RROW Z	P. DATE	TYPE T	00L 👐 HO	LE TYPE			UB	
PROJ. DEPTH	PROJ. FORM	CON				с. У МЗ	ע א חד	0880	ົ. ພ
DRILLERS T.D. 8	LOG 1	r.D	TI900 PLUG BA	CK TD *****	× OLD 1	.D. *****		FORM	.D
7 MI SE 3/4 MI W	LOCO HIL 1/11893 (LS, NM MRRW)	GAS PR	OD IN	MESC	UITE	FLD)	
	WELL	IDENT	TIFICAT	ION/CH	IANGE	S			
	IGD FROM IGD FROM								
		CAS	NG/LIN	ER DAT	TA				
CSG 8 5	3/4 @ 65 5/8 @ 500 1/2 @1205	0 W/ 1	1770 SA	CKS					
		1	TUBING	DATA					
TBG 2 3	3/8 AT 1	1495							
]	INITIAL	POTEN	ITIAI	•			
IPF 21E MORROW PERF 116	3CPD 88 PERF 514-11618	11718	3-11722	 8/IT 1 11742	1614 2-117	- 117 58 1	77 0 1770	ROSS	1HRS 77
	@11493	SITP 2	2758 B	HT 189	F				
	1151M	CFD TH	2686 2662	BHFP 2	2702				
	4960M	CFD TH	2461 9 1961	BHFP 2	2532				
			CO	NTINUE		:# 30	0157	0221	92

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SEC 33 TWP 17: 30-015-27068-0000 17S RGE 31E REISSUES 2 PI# 30-T-0002 01/28/94 PAGE WDD TEXACO EXPL & PROD WD DOW "B" 33 FEDERAL 1 INITIAL POTENTIAL BH 2771 FPCAOF GTY 52.5 GOR 36472 GAS GTY .662 21882MCFD /RESERVOIR FIELD /MORROW 1ST PT TEST IN 30 MINS, CK - NO DETAILS 2ND & 3RD PT TEST IN 60 MINS 4TH PT TEST IN 75 MINS TREATMENT - NO DETAILS DRILLING PROGRESS DETAILS TEXACO EXPL & PROD BOX 3109 MIDLAND, TX 79702 915-688-4100 LOC/1992/ 07/09 08/04 08/18 08/25 09/01 09/08 09/15 09/30 09/30 LOC/1992/ MIRT DRLG 5393 DRLG 6953 DRLG 10753 DRLG 11805 12050 TD, TITE HOLE 12050 TD, PB 11900, WOPT RIG REL 09/20/92 12050 TD, PB 11900 COMP 10/4/92, IPF 8861 MCFGPD, CAOF 21882, 21 BCPD, GTY 52.5, GAS GTY .662, GLR 36472-1, SITP 2758, BHSIP 2771 PROD ZONE - MORROW 11614-11777 TITE HOLE (MORROW DISCOVERY - DEEPER POOL) 01/18 02/01 (MORROW DISCOVERY - DEEPER POOL) REISSUE TO CORRECT FIELD REPLACEMENT FOR CT ISSUED 2/5/93 02/01 09/20 REISSUE TO CORRECT IP & ADD FOUR POINT TEST 01/24 **REPLACEMENT FOR CT ISSUED 9/24/93**

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