

TO STORY STORY

4,1013

January 21, 1992

State of New Mexico Energy, Minerals and Natural Resources Dept. Oil Conservation Division P.O. Box 2088 Sante Fe, NM 87504-2088

Gentlemen:

SUBJECT: EXPANSION OF PRESSURE MAINTENANCE PROJECT

VACUUM GRAYBURG SAN ANDRES UNIT (VGSAU)

VACUUM GRAYBURG SAN ANDRES POOL

LEA COUNTY, NM

We request administrative approval to convert three VGSAU wells to water injection. Order No. R-4442, dated November 1, 1972, authorized Texaco to operate the VGSAU pressure maintenance project within the subject pool.

The wells to be converted are the VGSAU Well No.'s 148, 149 & 150. Form C-108 and attachments are enclosed.

As required, copies of this application with attachments has been sent to the surface owners and offset operators.

Please contact Todd Lackey at (505) 393-7191 with questions.

Sincerely,

J. A. Head

Hobbs Area Manager

/wtl

of the earlier submittal.

1.	Purpose: Secondary Recovery X Pressure Haintenance Disposal Storage Application qualifies for administrative approval? X yes no
II.	Operator: Texaco Exploration and Production Inc.
	Address: P.O. Box 730, Hobbs, NM 88240
	Contact party: James A. Head, Area Manager Phone: (505) 393-7191
111.	Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
IV.	Is this an expansion of an existing project? \overline{X} yes $\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $
٧.	Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
VI.	Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
VII.	Attach data on the proposed operation, including:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or <u>closed;</u> Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
111.	Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
IX.	Describe the proposed stimulation program, if any.
x.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.)
XI.	Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
XII.	Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
KIII.	Applicants must complete the "Proof of Notice" section on the reverse side of this form.
XIV.	Certification
	I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
	Name: James A. Head TitleArea Manager
	Signature: fames a. How Date: 1/22/92

See attached list of orders

•

III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
 - Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
 - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
 - (3) A description of the tubing to be used including its size, lining material, and setting depth.
 - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
 - (1) The name of the injection formation and, if applicable, the field or pool name.
 - (2) The injection interval and whether it is perforated or open-hole.
 - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
 - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
 - (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative amplications within 15 days from the date this application was mailed to them.

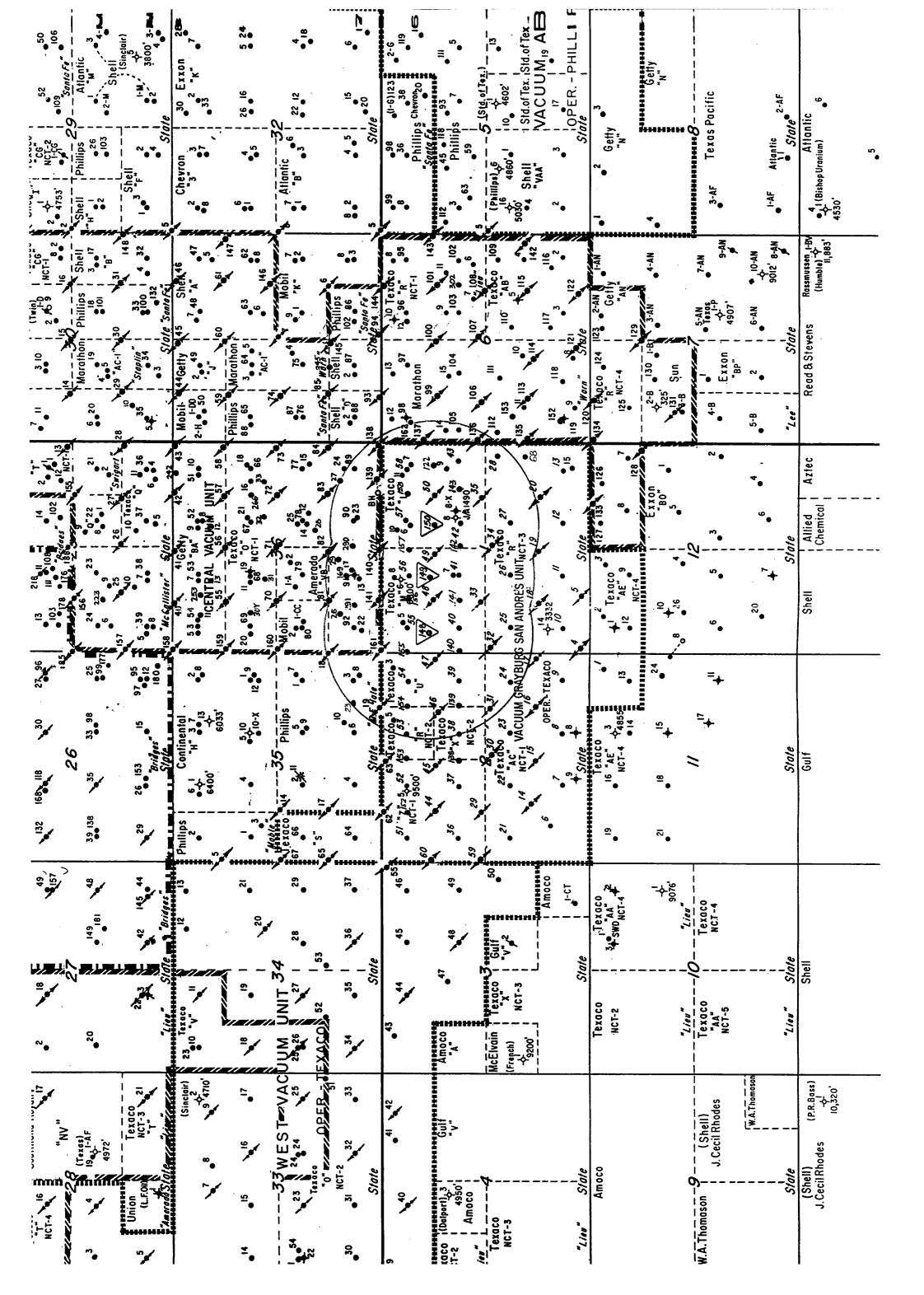
NEW MEXICO OIL CONSERVATION DIVISION - Form C-108, cont'd

Conversion of the following wells to water injection Vacuum Grayburg San Andres Unit

No. 148 - Ltr D, 1330' FNL & 660' FWL, Sec 1, T18S, R34E No. 149 - Ltr C, 1330' FNL & 1980' FWL, Sec 1, T18S, R34E No. 150 - Ltr G, 1390' FNL & 1980' FEL, Sec 1, T18S, R34E

- III. See attached injection well data sheets.
- IV. Expansion of existing project Order No. R-4442.
- V. See attached map.
- VI. See attached well information and schematics.
- VII. 1) Average injection rate 500 BWPD

 Maximum injection rate 1500 BWPD
 - 2) Closed injection system
 - 3) Average injection pressure 1300 psi (Avg in offset wells) Initial maximum injection pressure - 800 psi (0.2 psi/ft) Maximum injection pressure - 1800 psi (Possible after steprate testing)
 - 4) Grayburg San Andres produced water and Ogallala fresh water for make-up. See attached analysis and compatibility test.
 - 5) N/A
- VIII. Previously submitted. See attached orders.
- IX. Wells will be stimulated with 15% NEFE HCL.
- X. All logs have been previously submitted to local OCD office.
- XI. Previously submitted. See attached orders. The water analysis for VGSAU Water Well No. 4 has been attached. This is a fresh water well that is used for make-up water. It is located approximatly one mile to the SW of the proposed conversions.
- XII. N/A
- XIII. Copies of this application and attachments have been sent by certified mail to surface owners and offset operators (see attached). The legal notice and affidavit of publication in the Hobbs Daily News-Sun is also attached.



INJECTION WELL DATA SHEET

144			10.0	2:15
ELL NO.	FOOTAGE LOCATION	SECTION SECTION	I&S TOWNSHIP	34E RANGE
	- ·		_	
Sche	matic	· <u> </u>	Tabular Data	
		Surface Casing		
TIP	1	Size 9 5/8	" Cemented w	ith <u>1000</u> sx
0 0 0	0 0	TOC SURFACE	feet determined	by 218 SX CIRCULATED
1 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0 0 0 1 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Hole size 12 1/41		
6 . 9		Intermediate Casing		
553		Size	" Cemented w	ith s
6	•	TOC	-	
ا م	9/	Hole size	_	-
(a)	9			
6	00	Long string Size7	" Camantad	ith lasa
10		TOC SURFACE	_	
1270 0		Hole size 63/4		- CINCULATE
, A / O	PERFS	Total depth 500	oʻ	
0 01	4320 - 4690	Injection interval		
728	0, 0, 0, 9,	4320 feet (perforated)or open-h	to H1,90	feet
(br	BAKER AD-1 cand and model)	ed with		
(br or describ ther Data	GAKER AD-1 cand and model) be any other casing-tubi	packer	at <u>4270</u>	feet
(br or describ ther Data . Name of	GAKER AD-1 cand and model) be any other casing-tubing the injection formation	packer ing seal). GRAYBURG	SAN ANDRES	feet
(br or describ ther Data . Name of . Name of	CAKER AD-1 rand and model) be any other casing-tubing the injection formation field or Pool (if app)	packer ing seal). on Grayourg Grayour Grayour Grayourg Gr	at 4270 SAN ANDRES RAYBURG SAN ANG	feet
(br or describ ther Data Name of Name of	CAKER AD-1 rand and model) be any other casing-tubi f the injection formation f Field or Pool (if app) a new well drilled for	packer ing seal). GRAYBURG	SAN ANDRES PAYBURG SAN AND	feet
(br or describ ther Data . Name of . Name of . Is this If no,	CAKER AD-1 rand and model) be any other casing-tubi f the injection formation f Field or Pool (if appl a new well drilled for for what purpose was the	packer ing seal). On GRAYBURG S Licable) YACUUM GR T injection? /7 Yes	SAN ANDRES PAYBURG SAN AND No ed? SIL)? List all such	perforated interv

, QUEEN - 3700'

YATES - 2820' , 7-RIVERS - 3134'

INJECTION WELL DATA SHEET

		SECTION	TOWNSHIP	RANGE
Sche	ematic	· <u>1</u>	abular Data	
		Surface Casing		
	1	Size 13 3/8	Cemented wi	th 1700 s
3000	0,0	TOC SUPFACE	feet determined by	ZOO SX CIRCULAT
3 6 6	(a' 0' 0' 0' 0' 0' 0' 0'	Hole size 17 42"		
6 2 6	4 9 2	Intermediate Casing		
0	0,0	Size 95/8	" Cemented wi	th 1570
(0)	1 0	TOC SURFACE		
000	1 8 B	Hole size 12 1/4"		
σ (10.7			
10	61 61	Long string Size	" Cemented will	th 950
6,	9	TOC SURFACE		
185	1	Hole size 8 3		1 100 3% CIRCULATION
074	PERFS	Total depth 5000		
BIO /	4132 -4590			
	00 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	Injection interval	ha HKQICI	Sock
		(perforated) or open-ho	ole, indicate which	feet
		•		
	. "			
	2 ³ 8 line			
	BAKER AD-1 rand and model)			
(br	BAYER AD- 1	packer :		
(br or describ	BAKER AD-1	packer :		
(br or describ ther Data	BAKER AD-1	ng seal).	at <u>4085</u>	feet
(br or describ ther Data . Name of	BAKER AD- rand and model) be any other casing-tubin	packer : ng seal). C-FAYBURG	SAN ANDZES	feet
(br or describ ther Data . Name of . Name of	BAYER AD- 1 rand and model) be any other casing-tubing	packer : ng seal). CFAYBURG icable) Vacuum G	SAN ANDZES PAYBURG SAN A	feet
(bror describenther Data Name of Name of	BAYER AD- rand and model) be any other casing-tubin f the injection formation f Field or Pool (if appl	packer : ng seal). CFAYBURG icable) VACUUM C injection? /_7 Yes	SAN ANDZES PAYBURG SAN A	reet
(bror describent descr	BAYER AD- 1 rand and model) be any other casing-tubin f the injection formation f Field or Pool (if appl s a new well drilled for	packer and seal). Description of the control of th	SAN ANDZES -FAYBURG SAN A No d? CIL ? List all such p	NAPES erforated interv
(bror describent descr	BAYER AD-1 rand and model) be any other casing-tubin f the injection formation f Field or Pool (if appl s a new well drilled for for what purpose was th e well ever been perfora	packer and seal). Description of the control of th	SAN ANDZES -FAYBURG SAN A No d? CIL ? List all such p	NAPES erforated interv

INJECTION WELL DATA SHEET

ELL NO. FOOTAGE LOCATION	180' FEL I SECTION	18.5 34E TOWNSHIP RANGE
<u>Schematic</u>	<u>Tab</u>	ular Data
	Surface Casing	
(a)	Size 13 3/8 "	Cemented with 1700
0 0 0	TOC SURFACE F	eet determined by 250 Sk CIRCULA
	Hole size 17 ½"	
50	Intermediate Casing	
		Cemented with
		eet determined by 270 SX CIRCULA
100	Hole size 12 1/4"	
300		
	Long string	Cemented with 850
, 6		eet determined by 310 Sx CIRCULA
OAD PERFS	Hole size 8 3441	eet determined by 36 34 CIRCULA
4131 - 468		,
4798	•	**************************************
5000	Injection interval	(1) (1) 5
	(perforated) or open-hol	e, indicate which)
	•	
·		
ubing size 2 ³ /8' lin	ed with	CEMENT set in
	(mater	
ubing size 23/8" lin BAKER AD-1 (brand and model)	•	
BAKER AD-1	packer at	
BAKER AD-) (brand and model) or describe any other casing-tubi	ng seal).	: <u>4υqO</u> · feet
BAKER AD-1 (brand and model) or describe any other casing-tubi ther Data . Name of the injection formatio	ng seal). GRAYBURG S	the Andres
BAKER AD-) (brand and model) or describe any other casing-tubi	ng seal). GRAYBURG S	the Andres
BAKER AD-1 (brand and model) or describe any other casing-tubi ther Data . Name of the injection formatio	packer at ng seal). n GrayBurg Seal icable) Vacuum Gray	THUGO . feet AN ANDRES YBURG SAN ANDRES
(brand and model) or describe any other casing-tubi ther Data . Name of the injection formatio . Name of Field or Pool (if appl	packer at ng seal). In <u>GrayBurg Seal</u> icable) <u>Vacuum Gray</u> injection? /7 Yes /	HUGO Feet AN ANDRES YAURG SAN ANDRES NO
(brand and model) or describe any other casing-tubi ther Data . Name of the injection formatio . Name of Field or Pool (if appl . Is this a new well drilled for If no, for what purpose was th	packer at ng seal). In <u>GrayBurg Seal</u> icable) <u>Vacuum Gray injection? /7 Yes /2 injection? /7 Yes /2 injection?</u>	HUGO Feet HUGO Feet ANDRES HBURG SAN ANDRES NO OUL
(brand and model) or describe any other casing-tubi ther Data . Name of the injection formatio . Name of Field or Pool (if appl . Is this a new well drilled for If no, for what purpose was th	packer at ng seal). In <u>GrayBurg Seal</u> icable) <u>Vacuum Gray</u> injection? /// Yes // in well originally drilled?	HUGO feet ANDRES ANDRES NO OLL List all such perforated inter
(brand and model) or describe any other casing-tubi ther Data . Name of the injection formatio . Name of Field or Pool (if appl . Is this a new well drilled for If no, for what purpose was the	packer at ng seal). In <u>GrayBurg Seal</u> icable) <u>Vacuum Gray</u> injection? /// Yes // in well originally drilled?	HUGO feet ANDRES ANDRES NO OLL List all such perforated inter

YATES - 2795', 7-RIVERS - 3104', QUEEN - 3664',

WELLS WITHIN AREA OF REVIEW

		WELL	
LEASE NAME	WELL NO.	TYPE	COMPANY
VACUUM GRAYBURG SAN ANDRES UNIT	`24	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	`25	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	`26	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	\27	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	`28	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	-31	INJ	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	32	INJ	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	·33	INJ	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	-34	INJ	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	`35	INJ	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	\38	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	3 9	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	`40	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	41	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	-42	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	43	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	`46	INJ	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	47	INJ	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	48	INJ	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	`49	INJ	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	`50	INJ	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	53	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	54	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	55	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	`56	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	57	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	·58	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	122	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	139	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	140	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	141	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	~142	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	143	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	\154	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	`155	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	`156	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	`157	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	`158	OIL	TEXACO

		WELL	
LEASE NAME	WELL NO.	TYPE	COMPANY
*======================================	========	=======	========
OFNITOAL MA CHURALINIT	- 04		TT
CENTRAL VACUUM UNIT	`81	INJ	TEXACO
CENTRAL VACUUM UNIT	-82	INJ	TEXACO
CENTRAL VACUUM UNIT	-89	OIL	TEXACO
CENTRAL VACUUM UNIT	~90	OIL	TEXACO
CENTRAL VACUUM UNIT	`92	OIL	TEXACO
CENTRAL VACUUM UNIT	105	OIL	TEXACO
CENTRAL VACUUM UNIT	136	INJ	TEXACO
CENTRAL VACUUM UNIT	137	INJ	TEXACO
CENTRAL VACUUM UNIT	138	INJ	TEXACO
CENTRAL VACUUM UNIT	`139	INJ	TEXACO
CENTRAL VACUUM UNIT	140	INJ	TEXACO
CENTRAL VACUUM UNIT	`141	INJ	TEXACO
CENTRAL VACUUM UNIT	161	INJ	TEXACO
CENTRAL VACUUM UNIT	162	OIL	TEXACO
CENTRAL VACUUM UNIT	169	OIL	TEXACO
CENTRAL VACUUM UNIT	290	OIL	TEXACO
CENTRAL VACUUM UNIT	-291	OIL	TEXACO
N.M. "O" STATE (NCT-1)	-13	OIL	TEXACO
N.M. "O" STATE (NCT-1)	-17	OIL	TEXACO
N.M. "O" STATE (NCT-1)	22	OIL	TEXACO
N.M. "O" STATE (NCT-1)	23	OIL	TEXACO
N.M. "O" STATE (NCT-1)	24	OIL	TEXACO
N.M. "O" STATE (NCT-1)	· 26	OIL	TEXACO
N.M. "O" STATE (NCT-1)	~27	OIL	TEXACO
N.M. "O" STATE (NCT-1)	29	OIL	TEXACO
N.M. "M" STATE	- 5	OIL	TEXACO
N.M. "M" STATE	`7	OIL	TEXACO
N.M. "M" STATE	`8	OIL	TEXACO
N.M. "L" STATE	~6	OIL	TEXACO
N.M. "L" STATE	~7	OIL	TEXACO
N.M. "L" STATE	~9	OIL	TEXACO
N.M. "L" STATE	10	OIL	TEXACO
N.M. "L" STATE	11	OIL	TEXACO
N.M. "U" STATE	`3	OIL	TEXACO
N.M. "R" STATE (NCT-2)	`5	OIL	TEXACO
WARN STATE AC-2	`14	OIL	MARATHON
M.E. HALE	~3	OIL	PHILLIPS
M.E. HALE	~8	OIL	PHILLIPS
M.E. HALE	`18	INJ	PHILLIPS
M.E. HALE	`19	INJ	PHILLIPS
M.E. HALE	~23	OIL	PHILLIPS
<u> </u>		-· -	· · · · · · ·

LEASE NAME	WELL NO.	WELL TYPE	COMPANY
WELLS WHICH HAVE BEEN PLUGGED:			
CENTRAL VACUUM UNIT	91	P&A'd	TEXACO
CENTRAL VACUUM UNIT	98	P&A'd	TEXACO
N.M. "M" STATE	6	P&A'd	TEXACO
N.M. "L" STATE	8	P&A'd	TEXACO
N.M. "L" STATE	8-X	P&A'd	TEXACO
N.M. "R" STATE (NCT-3)	14	P&A'd	TEXACO
WELLS TO BE CONVERTED:			
VACUUM GRAYBURG SAN ANDRES UNIT	148	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	149	OIL	TEXACO
VACUUM GRAYBURG SAN ANDRES UNIT	150	OIL	TEXACO

VACUUM GRAYBURG SAN ANDRES UNIT NEW AND OLD WELL NAMES & NUMBERS

VGSAU WELL NO.		OLD LEASE WELL NO.	STATUS	DATE CONVERTED
======================================		23	====== P	========
2	N.M. "AE" STATE (NCT-4)	22	P	
3	N.M. "AE" STATE (NCT-4)	2	Р	
4	N.M. "R" STATE (NCT-3)	22	CI	6-16-82
5	N.M. "R" STATE (NCT-3)	23	CI	2-21-73
6	N.M. "AC" STATE (NCT-1)	10	Р	
7	N.M. "AC" STATE (NCT-1)	7	P	
8	N.M. "AC" STATE (NCT-1)	5	P	
9	N.M. "AC" STATE (NCT-1)	4	Р	
10	N.M. "R" STATE (NCT-3)	11	P	
11	N.M. "R" STATE (NCT-3)	10	P	
12	N.M. "R" STATE (NCT-3)	12	P	
13	N.M. "R" STATE (NCT-3)	13	P	0 04 00
14	N.M. "AC" STATE (NCT-1)	13	CI	8-01-82
15	N.M. "AC" STATE (NCT-1)	14	CI	1-14-73
16	N.M. "AC" STATE (NCT - 1)	15	CI	8-14-82
17	N.M. "AC" STATE (NCT-1)	16 10	CI CI	1-14-73
18 10	N.M. "R" STATE (NCT-3)	19 20	CI	5-19-83 2-25-73
19 20	N.M. "R" STATE (NCT-3) N.M. "R" STATE (NCT-3)	20 21	CI	4-16-83
21	N.M. "AC" STATE (NCT-1)	6	P	4-10-00
22	N.M. "AC" STATE (NCT-1)	3	Р	
23	N.M. "AC" STATE (NCT-1)	3 2	P	
24	N.M. "AC" STATE (NCT-1)	1	P	
25	N.M. "R" STATE (NCT-3)	9	P	
26	N.M. "R" STATE (NCT-3)	8	Р	
27	N.M. "R" STATE (NCT-3)	7	Р	
28	N.M. "R" STATE (NCT-3)	6	Р	
29	N.M. "Z" STATE (NCT-1)	8	CI	1-14-73
30	N.M. "AC" STATE (NCT-1)	12	CI	9-04-82
31	N.M. "AC" STATE (NCT-1)	11	CI	1-14-73
32	N.M. "R" STATE (NCT-3)	18	CI	9-27-82
33	N.M. "M" STATE	11	CI	2-05-73
34	N.M. "R" STATE (NCT-3)	17	CI	5-22-83
35	N.M. "L" STATE	12	CI	1-01-81
36	N.M. "Z" STATE (NCT-1)	4	P	
37	N.M. "Z" STATE (NCT-1)	3	Р	
38	N.M. "X" STATE (NCT-2)	3 2	P P	
39 40	N.M. "U" STATE	4	r P	
40 41	N.M. "M" STATE N.M. "M" STATE	⁴ 1	P	
41 42	N.M. "L" STATE	1	P	
42 43	N.M. "L" STATE	3	, P	
43 44	N.M. "Z" STATE (NCT-1)	7	CI	8-23-82
ਰਚ	14 2 01/112 (1401 1)	•	O.	- LU UL

VGSAU WELL NO.	OLD LEASE WELL NAME	OLD LEASE WELL NO.	STATUS	DATE CONVERTED
45	N.M. "Z" STATE (NCT-1)	6	CI	4-05-73
46	N.M. "X" STATE (NCT-2)		CI	9-01-82
47	N.M. "U" STATE	4	CI	4-04-73
48	N.M. "M" STATE	10	CI	1-26-83
49	N.M. "M" STATE	12	CI	2-16-73
50	N.M. "L" STATE	11	ČI	4-11-83
51	` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `	1	P	
52 50	N.M. "Z" STATE (NCT-1)	2	P	
53	N.M. "R" STATE (NCT-2)	4	P	
54 55	N.M. "U" STATE	1	P	
55 50	N.M. "M" STATE	2	P	
56 57		3	P P	
57 50	N.M. "L" STATE	4 2	P P	
58 50	N.M. "L" STATE VACUUM GRAYBURG SAN A	-	P DI	
59	VACUUM GRAYBURG SAN A		DI	
60 62	VACUUM GRAYBURG SAN A		DI	
			DI	
63 64	VACUUM GRAYBURG SAN AI N.M. "S" STATE	2	P	
65	VACUUM GRAYBURG SAN A		DI	
66	N.M. "S" STATE	1	P	
67	VACUUM GRAYBURG SAN A	NDRES LINIT	DI	
68	N.M. "R" STATE (NCT-3)		P	
122	VACUUM GRAYBURG SAN A		P	
138	VACUUM GRAYBURG SAN A		P	
139	VACUUM GRAYBURG SAN A		P	
140	VACUUM GRAYBURG SAN A		P	
141	VACUUM GRAYBURG SAN A		P	
142	VACUUM GRAYBURG SAN A		Р	
143	VACUUM GRAYBURG SAN A		Р	
148	VACUUM GRAYBURG SAN A	NDRES UNIT	Р	
149	VACUUM GRAYBURG SAN A	NDRES UNIT	Р	
150	VACUUM GRAYBURG SAN A	NDRES UNIT	Р	
152	VACUUM GRAYBURG SAN A	NDRES UNIT	Р	
153	VACUUM GRAYBURG SAN A	NDRES UNIT	Р	
154	VACUUM GRAYBURG SAN A	NDRES UNIT	Р	
155	VACUUM GRAYBURG SAN A	NDRES UNIT	P	
156	VACUUM GRAYBURG SAN A	NDRES UNIT	Р	
157	VACUUM GRAYBURG SAN A		Р	
158	VACUUM GRAYBURG SAN A	NDRES UNIT	P	

CI - Converted to injection
DI - Drilled as injector
P - Producer

707 North Leech P.O.Box 1499

Hobbs. New Mexico 88240

Company: TEXACO, INC. Date : 01-07-1992

Location: VGSAU - FRESH WATER (on 01-07-1992)

WELL NO. 4

	Sample 1
Specific Gravity:	1.002
Total Dissolved Solids:	3311
pH:	6.70
IONIC STRENGTH:	0.057

CATIONS:		me/liter	ma/liter
Calcium	(Ca ^{+ 2})	6.30	136
Magnesium	(Mq ⁺²)	2.80	34.0
Sodium	(Na ^{+ 1})	41.7	959
Iron (total)	(Fe ^{+ 2})	0.011	0.300
Barium	(Ba+2)	0.092	5.30
ANIONS:			
Bicarbonate	$(HCO_3 - 1)$	1.3.8	842
Carbonate	(CO ₃ - 2)	0	0
Hydroxide	(OH-1)	O	9
Sulfate	(SO ₄ - 2)	0.833	40.0
Chloride	(Cl-1)	36.7	1300

	SCALING INDEX	(positive	value indicate	es scale)
		-	Caldium	
Tempe	erature		Carbonate	Sulfate
86°F	30°C		0.07	-16
120°F	49°C		0.96	-16
130°F	54°C		1,1	-16
140°F	60°C		1.3	-16
160°F	71 °C		1.7	-16
180°F	82°C		2.1	-16

707 North Leech P.O.Box 1499

Hobbs. New Mexico 88240

Company: TEXACO. INC. Date : 01-07-1992

Location: VGSAU - PRODUCED WATER (on 01-07-1992)

	Sample 1
Specific Gravity:	1.071
Total Dissolved Solids:	99419
pH:	7.10
IONIC STRENGTH:	1.832

CATIONS:		me/liter	mg/liter
Calcium	(Ca ^{+ 2})	124	2480
Magnesium	(Mg ^{+ 2})	68.0	826
Sodium	(Na ⁺¹)	1510	34800
Iron (total)	(Fe ^{+ 2})	0 014	0.400
Barium	(Ba ⁺²)	0.096	6.60
Manganese	(Mn ^{+ 2})	0.002	0.060
ANIONS:			
Bicarbonate	(HCO ₃ - 1)	8.80	537
Carbonate	(CO ₃ - 2)	O	G
Hydroxide	(OH-1)	C	ņ
Sulfate	(SO ₄ - 2)	58.8	2830
Chloride	(Cl-1)	1640	58000

SCALING	INDEX	{positive	value	indicates	scalel
			C	al diama	Calcium

	Catchim	CALCIUM
erature	Carbonate	Sulfate
30°C	0.53	-17
49°C	1.4	-17
54°C	1.6	-17
60°C	1.8	-17
71°C	2.2	-13
82°C	2.6	-13
	30°C 49°C 54°C 60°C 71°C	erature Carbonate 30°C 0.53 49°C 1.4 54°C 1.6 60°C 1.8 71°C 2.2

707 North Leech

P.O.Box 1499

Hobbs, New Mexico 88240

Company: TEXACO, INC. Date: 01-07-1992

Location: VGSAU - PRODUCED & FRESH WATER COMPATIBILITY (on 01-07-1992)

Sample 1
Specific Gravity: 1.064
Total Dissolved Solids: 89808
pH: 7.06
IONIC STRENGTH: 1.654

CATIONS:		me/liter	ma/liter
Calcium	(Ca ^{+ 2})	112	2250
Magnesium	(Mg ^{+ 2})	61.5	747
Sodium	(Na ^{+ 1})	1360	31400
Iron (total)	(Fe ^{+ 2})	0.014	0.390
Barium	(Ba ^{+ 2})	0.096	6.57
Manganese	(Mn ^{+ 2})	0.002	0.054
ANIONS:			
Bicarbonate	(HCO ₃ - 1)	9.30	567
Carbonate	$(CO_3 - 2)$	0	0
Hydroxide	(OH-1)	0	0
Sulfate	(SO ₄ - 2)	53.0	2550
Chloride	(Cl-1)	1480	52300
DISSOLVED GASES			
Carbon Dioxide	(CO ₂)		0
Hydrogen Sulfide	(H ₂ S)		Ô
Oxygen	(O_2)		0
1 3	· • • • • • • • • • • • • • • • • • • •		• • •

SCALING INDEX (positive value indicates scale)

		Calcium	Calcium
Temp	perature	Carbonate	Sulfate
86°F	30°C	0.45	-22
120°F	49°C	1 . 3	-22
130°F	54°C	1.5	-32
140°F	60°C	1.7	-22
160°F	71°C	2.1	-18
180°F	82°C	2.5	-18

Comments: COMPATIBILITY= FRESH WATER= 10% PRODUCED WATER = 90%

707 North Leech

P.O.Box 1499

Hobbs. New Mexico 88240

Company: TEXACO. INC.
Date: 01-07-1992

Location: VGSAU - PRODUCED & FRESH WATER COMPATIBILITY (on 01-07-1992)

Specific Gravity: 1.054
Total Dissolved Solids: 75392
pH: 7.00
IONIC STRENGTH: 1.388

CATIONS:		me/liter	mg/liter	
Calcium	(Ca ^{+ 2})	94.7	1890	
Magnesium	(Mg ^{+ 2})	51.7	628	
Sodium	(Na ^{+ 1})	1140	26300	
Iron (total)	(Fe ^{+ 2})	0.013	0.375	
Barium	(Ba ^{+ 2})	0.095	6.52	
Manganese	(Mn ⁺²)	0.002	0.045	
ANIONS:				
Bicarbonate	(HCO ₃ - 1)	10.1	613	
Carbonate	(CO ₃ = 2)	Ο	0	
Hydroxide	(OH-1)	C	0	
Sulfate	(SO ₄ - 2)	44.3	2130	
Chloride	(Cl-1)	1240	43800	
DISSOLVED GASES				
Carbon Dioxide	(CO ₂)		a	
Hydrogen Sulfide	(H ₂ S)		0	
Oxygen	(O ₂)		Ω	

SCALING INDEX (positive value indicates scale)

		Calcium	Caldium
Тe	mperature	Carbonate	Sulfate
86°F	30°C	0.37	-29
120°F	49°C	1.3	-29
130°F	54°C	3.4	-29
140°F	60°C	1.6	-29
160°F	71°C	2.0	-25
180°F	82°C	2.4	-25

Comments:

COMPATIBILITY = FRESH WATER = 25% PRODUCED WATER = 75

707 North Leech

P.O.Box 1499

Hobbs, New Mexico 88240

Company: TEXACO, INC. Date: 01-07-1992

Location: VGSAU - PRODUCED & FRESH WATER COMPATIBILITY (on 01-07-1992)

	Sample 1
Specific Gravity:	1.037
Total Dissolved Solids:	51.365
pH:	6.90
IONIC STRENGTH:	0.944

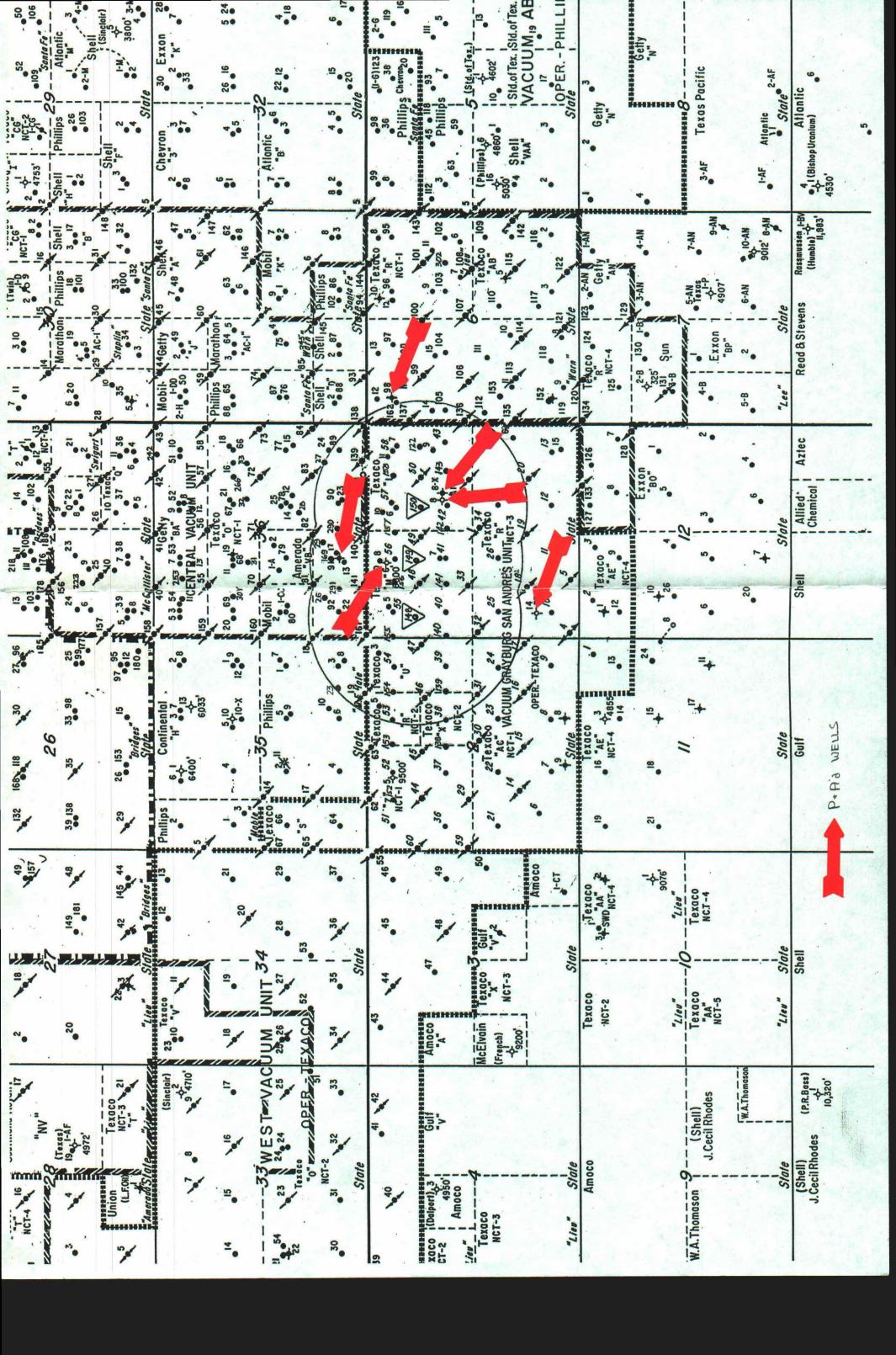
CATIONS:		me/liter	ma/liter
Calcium	(Ca ^{+ 2})	55.4	1310
Magnesium	(Mg+2)	35.4	430
Sodium	(Na ⁺¹)	777	17900
Iron (total)	(Fe ^{+ 2})	0.013	0.350
Barium	(Ba+2)	0.094	6.45
Manganese	(Mn ⁺²)	0.001	0.030
ANIONS:			
Bicarbonate	$(HCO_3 - 1)$	11.3	689
Carbonate	(CO ₃ - 2)	C	0
Hydroxide	(OH-1)	C	0
Sulfate	(SO ₄ - 2)	29.8	1430
Chloride	(Cl-1)	836	29700
DISSOLVED GASES			
Carbon Dioxide	(CO ₂)		0
Hydrogen Sulfide	(H ₂ S)		0
Oxygen	(O ₂)		0

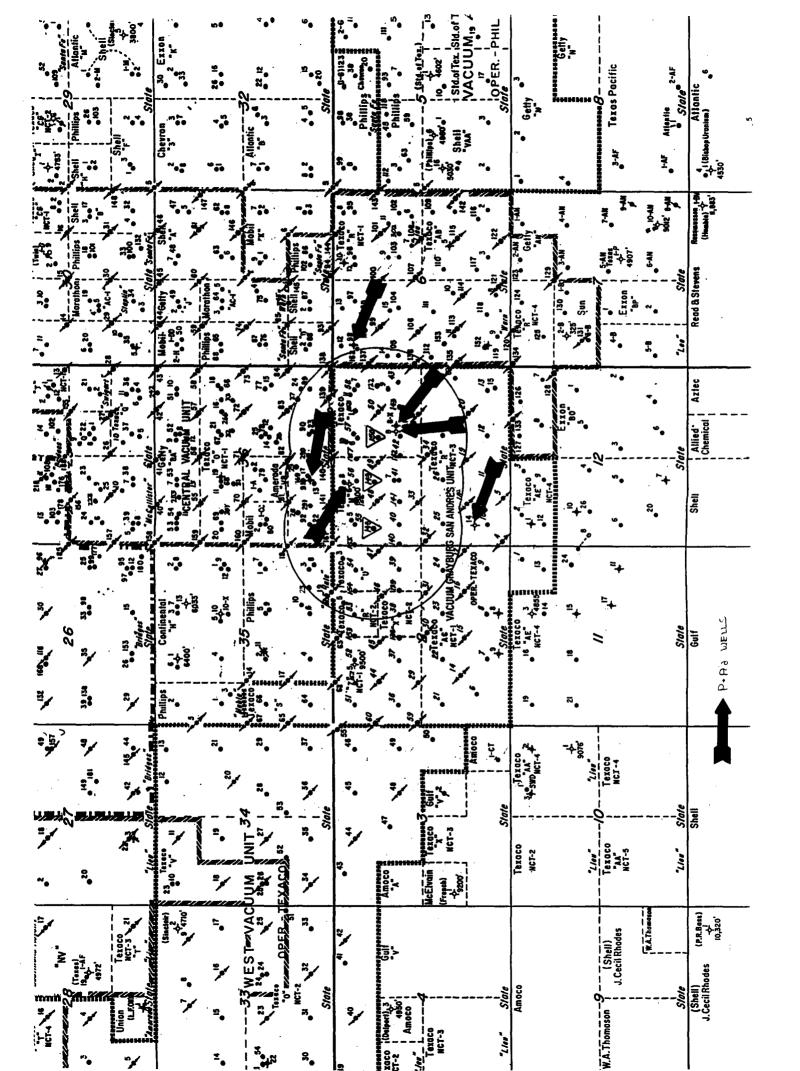
SCALING	INDEX	(positive	value	indicates	scale)
---------	-------	-----------	-------	-----------	--------

		Calcium	Caldium
Tem	perature	Carbonate	Sulfate
86°F	30°C	0.11	-38
120°F	49°C	1.0	-38
130°F	54°C	1.3	-38
140°F	60°C	1.4	-38
160°F	71°C	1.8	- 3.4
180°F	82°C	2.2	-34

Comments:

COMPATIBILITY = FRESH WATER = 50% PRODUCED WATER = 50%





CENTRAL VACUUM UNIT #98 LTR D, 660 FNL & HBH FWL SECLO, T-18-S, R-35-E

GL 3986 SPOT CMT FROM GOO TO SURF 103/4" SET AT 497 IN 12/2 hole w/ 225 SX (MT CMT CIRC TO SURF PERF 2 SOR Holes AT 795 CIRC UNT TO SURF SET CAT RET AT 1283, SOE COL LEAK W1 250 SK CMT. 2%" TBG CUT AT 1750 SDOO 276" CUTTOL 2950 PLUL BACK WITH CUT TO 2950' INTIDE AND OUTSIDE 278" CUT TAG IN 83/4" hale W/ 700 SX CMT COSP TA TUS UST STS CALC COT TOP ZOOO' 6 18 OPEN HOLE PLUG BACK TO 4250 - JUNK W/ SAND

TD 4710

NEW MEXICO"L" STATE # 8

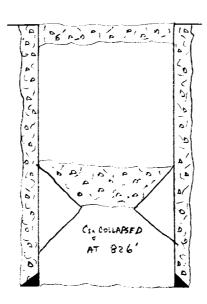
LTR G, SE Y4, NE Y4

SEC 1, T-18-5, R-34-E

GL 3987'

Spot 25 sx plug from 44' - SURF

SPOT 50 SX PLUC FROM BZG-738



113/4 23.72 SET AT 1490'

10 15" hole W/ 1000 SX CMT

CMT CIEC TO SURF

NEW MEXICO"L' STATE # 8-X

LTR G , 1900' FNL ! 1865' FEL

SEC 1 , T-18-5 , R-34-E

DF 3998

SPOT CMT FROM 10' - SURF

SPOT 30 St PLUG FROM 317 - 200

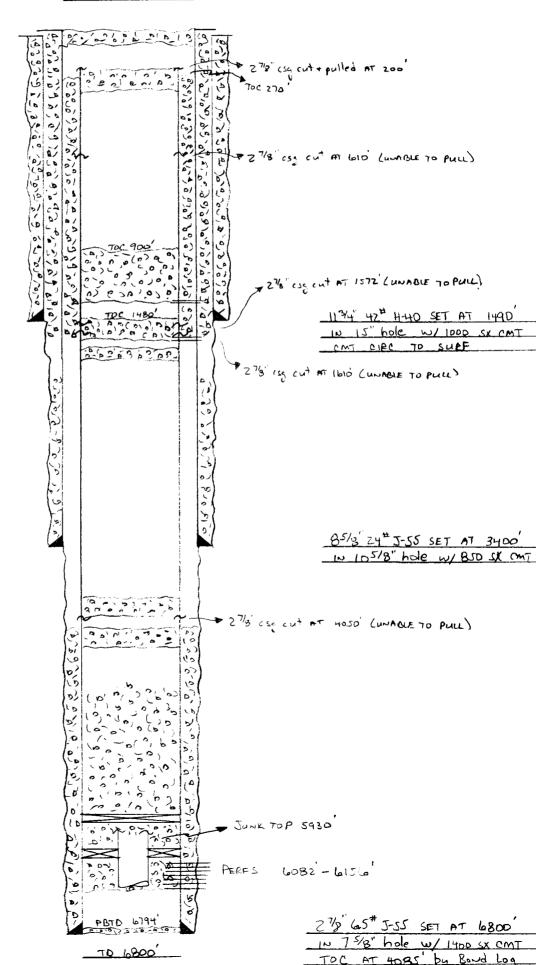
SERF SOR HOLES AT 1402'. SOR W/

SO SX CMT.

SPOT 6 SX PLUG FROM 1709 - 1646

SPOT 63x PLUG FROM 4052'-3952'

SET CMT RET AT 5792'. SOZ W/ 25 SX CMT. CAP W/ SO SX CMT.



MENICO "R' STATE (NCT-3) # 14

SW 74 , SW 74

SEC 1 , T-18-5 , R-34-E

GL 4007

امال من دما داماره

(a) a) (a) (a) (a) (a) (b) (a)

SPOT 15 SX PLUG AT SURFACE

SPOT 30 SX PLUG FROM 1550'- 1650'

SPOT 25 SX PLUG FROM Z450'- 2550'

SPOT 25 SX PLUG FROM 2950 - 3155

85/8 24 SET AT 1605'
IN 11" hole W/ 550 SX CMT
CMT CIPC TO SURF

47 CSG STUB 2940'

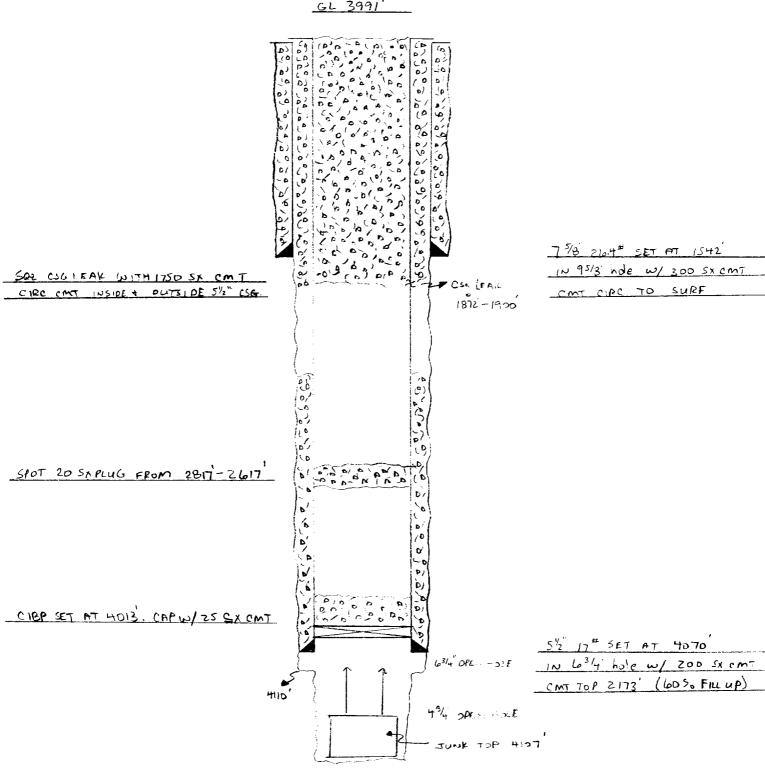
PERFS 3060 - 3120

Perfs 3168-3300' (Saz. W/100 Sx CMT)

10 7 7/8' hde w/ 150 sx cmT TOC @ 2575' by Temp Survey.

TD 3902





TD 4710

NEW MEXICO M" STATE #6 NE 14, NW 14 SECT, TIBS, R-34E 2mb P+A'd 12-22-64 (REENTERED)

DF 4006

SPOT 505X PLUG FROM 100 TOSUPF

SPOT 125 SX PLUG FROM 1700-1400 (1964)

SPOT 200 SI CMT AT 2500'

SPOT 25 SX CMT AT 2600

85/8" (Se Forled Cut + PULLED TOP 2483"

(1964)

SPOT SO SX PLUG AT SURFACE

SPOT 1503x CM- AT 1395'

/1980)

113/4" HZ# SET AT 1550'

10 15" HOLE W/ 1050 5x CMT

CMT CIRC TO SURF

SPOT 300 SX CMT AT 2530

85/8 24 SET AT 3400'

PERFS 5954-6028

45" 45 " SET AT 6797 TO 3357'

11 778" HOLE W/ 950 SX CMT

TOC 3820' BY Temp Survey

OFFSET OPERATORS WITHIN AREA OF REVIEW

OPERATORS

LEASE

Texaco Expl. & Prod. Inc. P. O. Box 730 Hobbs, New Mexico 88240

Vacuum Grayburg San Andres Unit

Texaco Expl. & Prod. Inc. P. O. Box 730 Hobbs, New Mexico 88240

Central Vacuum Unit

Phillips Petroleum Co. 4001 Penbrook Odessa, Texas 79762 M. E. Hale

Marathon Oil Company P. O. Box 552 Midland, Texas 79702 Warn State AC 2

SURFACE OWNERSHIP

T-18-S, R-34-E, NMPM

Section 1: N/2 NW/4

State of New Mexico P. O. Box 1148 Santa Fe, New Mexico 87504-1148

Section 1: SW/4 NE/4, SAVE AND EXCEPT that part of a 22.57 acre tract as described in Patent dated 7/12/65 as recorded in Volume 6, Page 4 of the Patent Records of Lea County, New Mexico. (copy attached)

State of New Mexico P. O. Box 1148 Santa Fe, New Mexico 87504-1148

Section 1: All that part of SW/4 NE/4 as described in Patent 6/4 described above.

Texaco Exploration & Production Inc. 1437 South Boulder Tulsa, Oklahoma 74102

G. P. L. FORM 11 37835			
State	of New M	exico	
	<u> </u>	No	2925
PAT	ENT FOR STATE L	AND STATE	OF NEW MEXICO UNTY OF LEA FILED
To All to Whom These Presents Shall Com	e, Greetings:		FILLO
Whereas, TEXACO, INC.		SE	P 2 0 1965
of MIDLAND,			oʻclock Z' M
<u> </u>	State 0/	and Record	
ha B purchased from the	TATE OF NEW MEVIC	By	HILE County Clark
	TATE OF NEW MEXIC		
according to the provisions of law, the following SEASEA and the SWASEA of Section and in the NEANEA and the NWANE the NMPM, Lea Country, New Mexic Section 36. North 89° 49' West tion 36 (a standard G.L.O. Rock West 425 feet; Thence South 89° 03' 443 feet to the point and place according to Plat of Survey pre	50" East, 1,162.4 feet of beginning describe	t; Thence South t; Thence North 0 ing 22.57 acres.	o 11 East.
Alese shi neises sheises qui chi in thicae x 1000 1000 1000 1000 1000 1000 1000 1			こしょうきょしんきょりご
этом же деля косколдной косную ядысты положений к	hercefs and		
Whereas, the said TEXACO,			· · · · ·
ha = paid to the STATE OF NEW MEXICO		the amount of Two T	housand Two
Hundred Fifty Seven and No/100-		Dollars (# 2.2)	57.00
whereof is hereby acknowledged in full.		Donars (p	
	se STATE OF NEW MEXICO,	by its Commissioner of	Public Lands, its dul
authorized officers according to law, does hereby			
	NT, BARGAIN, SELL and CON	IVEY	
unto the said TEXACO, INC.			
successors			
and toand the disigns, the said the	act of land above described, subject		
and reservations, and also subject to the right of			
and extend any existing water easements or leases			
to the State of New Mexico all minerals of what			
authorized by it, the right to prospect for, mine, f			
therewith, upon compliance with the conditions ar			
land so conveyed being a portion of the lands gra	inted to the State of New Mexico	by the United States, pu	rsuant to the Acts of
Congress, approved June 21, 1898, and June 20,			
To Have and to Hold, the some, toget	ther with all the rights, privileges	, immunities and appurte	nances of whatsoever
nature thereunto belonging or in anywise apperta	ining unto the said TEXA	CO, INC.	
			cessors . exand assigns forever.
Statement of the	In Witness Whereaf, the Com		
Comment of the second			
El Granish 3	Mexico, has hereunto set his ha		seal of the State Land
	Office, this	12th	day of
A Company of the Comp	July	A. D. 19_65	. [

State Record of Patents, Vol.

PO Box 730 Hobbs NM 88240 505 393 7191

January 21, 1992

CERTIFIED MAIL

Phillips Petroleum Co. 4001 Penbrook Odessa, Texas 79762

Gentlemen:

SUBJECT: FORM C-108 AND ATTACHMENTS

APPLICATION FOR AUTHORIZATION TO INJECT

VACUUM GRAYBURG SAN ANDRES UNIT, WELL NO'S 148, 149 & 150

SEC 1, T18S, R34E LEA COUNTY, NM

It is our intent to convert the subject wells to water injection for expansion of our pressure maintenance project. The New Mexico Oil Conservation Division requires that the surface owners of the tracts on which proposed injectors are located and offset operators within 1/2 mile of the wells be furnished a copy of the application to inject.

Accordingly, attached is a copy of our application. Included are Form C-108, Application for Authorization to Inject, and attachments that were submitted to the State of New Mexico in support of the application.

Please contact Todd Lackey at (505) 393-7191 with questions.

Sincerely,

J. A. Head

Hobbs Area Manager

/wtl

PO Box 730 Hobbs NM 88240 505 393 7191

January 21, 1992

CERTIFIED MAIL

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

Gentlemen:

SUBJECT: FORM C-108 AND ATTACHMENTS

APPLICATION FOR AUTHORIZATION TO INJECT

VACUUM GRAYBURG SAN ANDRES UNIT, WELL NO'S 148, 149 & 150

SEC 1, T18S, R34E LEA COUNTY, NM

It is our intent to convert the subject wells to water injection for expansion of our pressure maintenance project. The New Mexico Oil Conservation Division requires that the surface owners of the tracts on which proposed injectors are located and offset operators within 1/2 mile of the wells be furnished a copy of the application to inject.

Accordingly, attached is a copy of our application. Included are Form C-108, Application for Authorization to Inject, and attachments that were submitted to the State of New Mexico in support of the application.

Please contact Todd Lackey at (505) 393-7191 with questions.

Sincerely,

J. A. Head

Hobbs Area Manager

/wtl

PO Box 730 Hobbs NM 88240 505 393 7191

January 21, 1992

CERTIFIED MAIL

State of New Mexico P.O. Box 1148 Sante Fe, New Mexico 87504-1148

Gentlemen:

SUBJECT: FORM C-108 AND ATTACHMENTS

APPLICATION FOR AUTHORIZATION TO INJECT

VACUUM GRAYBURG SAN ANDRES UNIT, WELL NO'S 148, 149 & 150

SEC 1, T18S, R34E LEA COUNTY, NM

It is our intent to convert the subject wells to water injection for expansion of our pressure maintenance project. The New Mexico Oil Conservation Division requires that the surface owners of the tracts on which proposed injectors are located and offset operators within 1/2 mile of the wells be furnished a copy of the application to inject.

Accordingly, attached is a copy of our application. Included are Form C-108, Application for Authorization to Inject, and attachments that were submitted to the State of New Mexico in support of the application.

Please contact Todd Lackey at (505) 393-7191 with questions.

Sincerely,

J. A. Head

Hobbs Area Manager

/wtl

PO Box 730 Hebbs NM 88240 505 393 7191

January 21, 1992

State of New Mexico Energy, Minerals and Natural Resources Dept. Oil Conservation Division P.O. Box 1980 Hobbs, NM 88240

Gentlemen:

SUBJECT: EXPANSION OF PRESSURE MAINTENANCE PROJECT

VACUUM GRAYBURG SAN ANDRES UNIT (VGSAU)

VACUUM GRAYBURG SAN ANDRES POOL

LEA COUNTY, NM

We request administrative approval to convert three VGSAU wells to water injection. Order No. R-4442, dated November 1, 1972, authorized Texaco to operate the VGSAU pressure maintenance project within the subject pool.

The wells to be converted are the VGSAU Well No.'s 148, 149 & 150. Form C-108 and attachments are enclosed.

As required, copies of this application with attachments has been sent to the surface owners and offset operators.

Please contact Todd Lackey at (505) 393-7191 with questions.

Sincerely,

J. A. Head

Hobbs Area Manager

/wtl

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL

(See Reverse)

Se Si	(aciavariaci)	Sent to MARATHEN BIL COMPANY	58	1 00 '		Certified Fee	Special Delivery Fee	Restricted Delivery Fee	Return Receipt showing to whom and Date Delivered	Return Receipt showing to whom. Date, and Address of Delivery	TOTAL Postage and Fees S	Posimark or Date
---	---------------	------------------------------	----	--------	--	---------------	----------------------	-------------------------	---	---	--------------------------	------------------

Fold at fine over top of envelope to the right of the right.

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL

(See Reverse)

					-						
	ိုဝ		29166	ş						ક	
(acrosos appl)	Sent to AHLUPS PETROLEUM CO.	Street and No. HOO! PENABOOK		ŀ	Certified Fee	Special Delivery Fee	Restricted Delivery Fee	Return Receipt showing to whom and Date Delivered	Return Receipt showing to whom, Date, and Address of Delivery	TOTAL Postage and Fees	Postmark or Date
324-525-98er .O.9.2.U.s.							3861 anut ,000				

PS Form 38

Fold at line over top of envelope to the right of the return address CERTIFIED

334 579 790

RECEIPT FOR CERTIFIED MAIL NO INSURANCE COVERAGE PROVIDED NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to STRIK OF NEW MEXICO Street and No. P.O. BOX 114B

87504-1HB Return Receipt showing to whom. Date, and Address of Delivery SAUTE FE NA Return Receipt showing to whom and Date Delivered TOTAL Postage and Fees P.O., State and ZIP Code Restricted Delivery Fee Special Delivery Fee Certified Fee Postage PS Form 3800, June 1985

Postmark or Date

Fold at line over top of envelope to the right of the return address.

CERTIFIED

MAIL

AFFIDAVIT OF PUBLICATION
State of New Mexico, County of Lea.
I. Kathi Bearden
of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do soleranly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period
of
One weeks.
One weeks. Beginning with the issue dated
Dec. 22 , 1991 and ending with the issue dated
Dec. 22 . 19 <u>91</u>
Hachi Burdin
General Manager Sworn and subscribed to before
me this $\frac{23}{}$ day of
December, 1991
Marina Caliello
Notary Public.

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

My Commission expires_

July 22

(Seal)

LEGAL NOTICE December 22, 1991

Notice is hereby given of the application of Texaco Producing Inc., Attention: James A. Head, Area Manager, P.O. Box 730, Hobbs, New Mexico, 88249, Telephone (365) 373-7191, to the New Mexico Oil Conservation Commission, Energy and Minerals Department, for approval of the following injection wells for the purpose of pressure maintenance.

Lease/Unit Name: Vacuum Grayburg San Andres Unit

Well Number(s) and Location(s) 148 — Unit Letter D. 1330 FNL & 660 FWL, Section 1, T18S, R34E 149 — Unit Letter C. 1330 FNL & 1990 FWL, Section 1, T18S, R34E 150 — Unit Letter G. 1390 FNL & 1990 FEL, Section 1, T18S, R34E The injection formation is Vacuum Grayburg San Andres at a depth of 4906 feet below the surface of the ground. Expected maximum injection rate is 1000 barrels per day, and expected maximum injection pressure is 1400 pounds per square inch. Interested parties.

must file objections or requests for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico, 87501, within fifteen (15) days of this publication.

SUMMARY OF ORDER NUMBERS FOR TEXACO'S VACUUM GRAYBURG-SAN ANDRES PRESSURE MAINTENANCE PROJECT

R-4442	Nov. 1, 1972	Initiate secondary recovery
PMX-43	Jan. 31, 1973	Expansion
PMX-44	Jan. 31, 1973	Expansion
PMX-74	Jan. 8, 1979	Expansion
R-6094	Aug. 8, 1979	Remove the top unit allowable restriction
R-7010	May 26, 1982	Initiate tertiary recovery
R-7010-A	Jul. 30, 1982	Correction to R-7010
PMX-120	Nov. 2, 1982	Expansion

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

APPLICATION OF TEXACO INC FOR A PRESSURE MAINTENANCE PROJECT AND SPECIAL RULES THEREFOR, LEA COUNTY, NEW MEXICO.

CASE NO. 4852 Order No. R-4442

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on November 1, 1972, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 27th day of November, 1972, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Texaco Inc., seeks authority to institute a pressure maintenance project in its Vacuum Grayburg San Andres Unit Area, Vacuum Grayburg-San Andres Pool, Lea County, New Mexico, by the injection of approximately 1,500 barrels of water per day into the Grayburg and San Andres formations through each of eight injection wells proposed to be drilled at unorthodox locations in Sections 1 and 2, Township 18 South, Range 34 East, NMPM.
- (3) That the applicant also seeks authority to drill seven additional producing wells at unorthodox locations in said Sections 1 and 2.
- (4) That the applicant further seeks the designation of a project area and the promulgation of rules for the project area, including provision for the assignment of top unit allowable to all wells in the project area, top unit allowable to each of the 15 additional injection and producing wells to be drilled in the project area, and an additional 75 percent of top unit allowable to be assigned to each well in the project area as a bonus allowable for the injection of water.

-2-Case No. 4852 Order No. R-4442

- (5) That a pressure maintenance project area comprising all of the Vacuum Grayburg San Andres Unit Area, being all of Sections 1 and 2, the NE/4 NE/4 of Section 11, and the N/2 NW/4 of Section 12, all in Township 18 South, Range 34 East, is in the interest of conservation and should result in greater ultimate recovery of oil, thereby preventing waste.
- Andres Pool should be assigned to all wells in the project area upon initiation of substantial water injection, and each of the proposed 15 additional wells should also receive top unit allowable upon completion. That the project allowable should be the sum of the allowables assigned to the wells in the project area and should be permitted to be produced from any well in the project area, provided however, that any producing well in the project area which directly or diagonally offsets a well outside the project area producing from the same common source of supply should not be permitted to produce in excess of top unit allowable for the pool without a showing at public hearing that substantial response to water injection has occurred in said well.
- (7) That approval of the proposed eight injection wells and seven producing wells, all at unorthodox locations, and the proposed pressure maintenance project, subject to the provisions of Finding No. (6) above, will not cause but will prevent waste and will protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Texaco Inc, is hereby authorized to operate a pressure maintenance project in its Vacuum Grayburg San Andres Unit Area, Vacuum Grayburg-San Andres Pool, Lea County, New Mexico, to be designated the Texaco Vacuum Grayburg-San Andres Pressure Maintenance Project, by the injection of water into the Grayburg and San Andres formations through eight injection wells to be drilled at the following unorthodox locations in Township 18 South, Range 34 East, NMPM:

LEASE NAME	WELL NO	LOCATION	SECTION
New Mexico "M" State New Mexico "M" State New Mexico "AC" NCT-1 State New Mexico "AC" NCT-1 State New Mexico "AC" NCT-1 State	e 11 2630' e 14 1400' e 16 1400'	FNL & 2630' FSL & 1330'	FWL 1 FWL 1 FEL 2 FEL 2 FEL 2
New Mexico "R" NCT-3 State New Mexico "R" NCT-3 State New Mexico "Z" NCT-1 State	23 100'	FSL & 2630' FSL & 1420' FNL & 1310'	FEL 1 FWL 1 FWL 2

(2) That the applicant is hereby authorized to drill seven additional producing wells in its Vacuum Grayburg San Andres

-3-Case No. 4852 Order No. R-4442

Pressure Maintenance Project at the following unorthodox locations in Township 18 South, Range 34 East, NMPM:

LEASE NAME		WELL NO	٠	LOCAT	ION	SEC	TION
New Mexico New Mexico State		10 12	1330' 2630'		1330' 2630'	FWL FWL	1 2
New Mexico State	"AC" NCT-1	15	1400'	FSL &	1300'	FEL	2
New Mexico State	"R" NCT-3	17	2630'	FSL &	2630'	FEL	1
New Mexico	"R" NCT-3	18	2630'	FSL &	10'	FWL	1
State New Mexico	"R" NCT-3	19	1330'	FSL &	1330'	FWL	1
State New Mexico State	"R" NCT-3	22	100'	FSL &	100'	FWL	1

(3) That Special Rules and Regulations governing the operation of the Texaco Vacuum Grayburg-San Andres Pressure Maintenance Project are hereby promulgated as follows:

SPECIAL RULES AND REGULATIONS
FOR THE
TEXACO INC. VACUUM GRAYBURG-SAN ANDRES
PRESSURE MAINTENANCE PROJECT

RULE 1. The project area of the Texaco Inc. Vacuum Gray-burg-San Andres Pressure Maintenance Project, hereinafter referred to as the Project, shall comprise the area described as follows:

LEA COUNTY, NEW MEXICO
TOWNSHIP 18 SOUTH, RANGE 35 EAST, NMPM
Sections 1 and 2: All
Section 11: NE/4 NE/4
Section 12: N/2 NW/4

- RULE 2. The allowable for the project area shall be known as the project allowable and shall be equal to top unit allowable for the Vacuum Grayburg-San Andres Pool times the number of wells in the project area completed in the Grayburg and/or San Andres formations for production from, or injection into, said formations.
- RULE 3. The project allowable may be produced from any well or wells completed in the Vacuum Grayburg-San Andres Pool in the project area, provided however, that any well in the project area which directly or diagonally offsets a well outside the project area producing from the same common source of supply shall not be permitted to produce in excess of top unit

-4-Case No. 4852 Order No. R-4442

allowable for the Vacuum Grayburg-San Andres Pool until it has been established after notice and hearing that such well has experienced a substantial response to water injection.

- RULE 4. Each producing well in the project area shall be subject to the limiting gas-oil ratio (2500 to one) for the Vacuum Grayburg-San Andres Pool.
- RULE 5. Each month the project operator shall, by the 15th day of the month, submit to the Hobbs district office of the Commission a report for the previous month showing average daily water injection into each injection well, total water injected into each well, and total cumulative water injected into each well. The report shall also list each producing well, and average daily and total monthly production from same, together with a nomination of proposed daily allowable for each of said wells for the following month. The aforesaid report shall be filed in lieu of Form C-120 for the project.
- RULE 6. The Commission shall, upon review of the report and after any adjustments deemed necessary in accordance with Rules 3 and 4 of these rules, assign an allowable to each of the various producing wells in the project area for the next succeeding month.
- RULE 7. The conversion of producing wells to injection, or the drilling of additional wells for injection purposes shall be accomplished only after approval of the same by the Secretary-Director of the Commission. To obtain such approval, the Project operator shall file application with the Commission, which application, if it seeks authorization to convert additional wells to injection or to drill additional injection wells shall include the following:
- (1) A plat showing the location of proposed injection well, all wells within the project area, and offset operators, locating wells which offset the project area.
- (2) A schematic drawing of the proposed injection well which fully describes the casing, tubing, perforated interval, and depth showing that the injection of water will be confined to the Grayburg and San Andres formations.
- (3) A letter stating that all offset operators within one-half mile of the proposed injection well have been furnished a complete copy of the application and the date of notification.

The Secretary-Director may approve the proposed injection well, if within 20 days after receiving the application, no objection to the proposal is received. The Secretary-Director may grant immediate approval, provided waivers of objection are received from all offset operators.

-5-Case No. 4852 Order No. R-4442

Expansion of the project area may be approved by the Secretary-Director of the Commission administratively when good cause is shown therefor.

RULE 8. Additional producing wells may also be drilled at unorthodox locations anywhere within the project area not closer than 1320 feet of the outer boundaries of the project area. The Secretary-Director of the Commission shall have authority to grant permission to drill any well within the provisions of this rule without notice and hearing.

- (4) That the effective date of the allowable provisions of this order shall be the date that actual water injection operations commence in a minimum of four of the eight authorized injection wells.
- (5) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year herein-above designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

BRUCE KING, Chairman

ALEX J. ARMIJO, Member

A. L. PORTER, Jr., Member & Secretary

SEAL

APPLICATION OF TEXACO INC. TO EXPAND ITS VACUUM GRAYBURG-SAN ANDRES PRESSURE MAINTENANCE PROJECT IN THE VACUUM GRAYBURG - SAN ANDRES POOL IN LEA COUNTY, NEW MEXICO.

ADMINISTRATIVE ORDER PMX-43

ADMINISTRATIVE ORDER OF THE OIL CONSERVATION COMMISSION

Under the provisions of Order No. R-4442, Texaco, Inc. has made application to the Commission on January 31, 1973, for permission to expand its Vacuum Grayburg-San Andres Pressure Maintenance Project in the Vacuum Grayburg-San Andres Pool, Lea County, New Mexico.

NOW, on this 6th day of February, 1973, the Secretary-Director finds:

- 1. That application has been filed in due form.
- 2. That the proposed producing wells at unorthodox locations are eligible for approval under the terms of Order No. R-4442.
- 3. That the proposed expansion of the above-referenced pressure maintenance project will not cause waste nor impair correlative rights.
 - 4. That the application should be approved.

IT IS THEREFORE ORDERED:

That the applicant, Texaco Inc., be and the same is hereby authorized to drill to the Grayburg-San Andres formation, the following described producing wells, to wit:

Well No. 14, 1500 feet FSL and 1500 feet FWL of Section 2, Well No. 20, 1330 feet FSL and 1330 feet FEL of Section 1, Well No. 44, 1330 feet FNL and 1330 feet FWL of Section 2, Well No. 46, 1405 feet FNL and 1230 feet FEL of Section 2, and Well No. 50, 1330 feet FNL and 1330 feet FEL of Section 1, all in Township 18 South, Range 34 East, NMPM.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

A. L. PORTER, Jr. Secretary-Director

APPLICATION OF TEXACO INC. TO EXPAND ITS VACUUM GRAYBURG-SAN ANDRES PRESSURE MAINTENANCE PROJECT IN THE VACUUM GRAYEURG-SAN ANDRES POOL IN LEA COUNTY, NEW MEXICO. ORDER NO. PMX-44 ADMINISTRATIVE ORDER OF THE OIL CONSERVATION COMMISSION Under the provisions of Order No. R-4442 Texaco Inc. has made application to the Commission on January 31, 1973, for permission to expand its Vacuum Grayburg-Sau Andres Pressure Maintenance Project in the Vacuum Grayburg-San Andres Pool, Lea County, New Mexico. MOW, on this 20th day of February, 1973, the Secretary-Director finds: 1. That application has been filled in due form. 2. That satisfactory information has been provided that all offsat operators have been duly notified of the application. 3. That no objection has been received within the waiting period as prescribed by Order No. R-4442. 4. That the proposed injection wells are eligible for water injection under the terms of Order No. R-4442. 5. That the proposed expansion of the above-referenced pressure maintenance project will not cause waste nor impair correlative rights. 6. That the application should be approved. IT IS THEREFORE ORDERED: That the applicant, Texaco Ins., be and the same is hereby authorized to inject water into the Grayburg-Sen Andres formation through the following described wells for purposes of pressure maintenance, to wit: Well No. 35 located 2630' FML and 1330' FEL of Section 1, Well No. 45 located 1310' FNL and 2530' FML of Section 2, and Well No. 47 located 1330' FML and 10' FML of Section 2, all in Township 18 South, Range 34 East, NMPM. DONE at Santa Fe, New Mexico, on the day and year hereinabove designated. STATE OF NEW MEXICO OIL CONSERVATION COMMISSION A. L. PORTER, Jr. Secretary-Director SEAL



APPLICATION OF TEXACO, INC. TO EXPAND ITS PRESSURE MAINTENANCE PROJECT IN THE VACUUM GRAYBURG SAN ANDRES POOL IN LEA COUNTY, NEW MEXICO

ORDER PMX NO. 74

ADMINISTRATIVE ORDER OF THE OIL CONSERVATION DIVISION

Under the provisions of Order No. R-4442, Texaco, Inc. has made application to the Division on January 8, 1979, for permission to expand its Vacuum Grayburg-San Andres Pressure Maintenance Project in the Vacuum Grayburg-San Andres Pool in Lea County, New Mexico.

NOW, on this 29th day of January, 1979, the Division Director finds:

- 1. That application has been filed in due form.
- 2. That satisfactory information has been provided that all offset operators have been duly notified of the application.
- 3. That no objection has been received within the waiting period as prescribed by Order No. R-4442.
- 4. That the proposed injection well is eligible for conversion to water injection under the terms of Order No. R-4442.
- 5. That the proposed expansion of the above referenced water flood project will not cause waste nor impair correlative rights.
 - 6: That the application should be approved.

IT IS THEREFORE ORDERED:

That the applicant, Texaco, Inc., be and the same is hereby authorized to inject water into the Grayburg and San Andres formations through plastic-lined tubing set in packers at approximately 50 feet above the uppermost perforations in the following described wells for purposes of secondary recovery, to wit:

Vacuum Grayburg San Andres Unit Well No. 59, located in Unit E, and Vacuum Grayburg San Andres Unit Well No. 60, located in Unit D; both in Section 2, Township 18 South, Range 34 East, NMPM, Lea County, New Mexico.

IT IS FURTHER ORDERED:

That the operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

That the casing-tubing annulus shall be loaded with an inert fluid and equipped with a pressure gauge at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing, or packer.

That the injection wells or system shall be equipped with a pop-off valve or device which will limit the <u>wellhead</u> pressure to a <u>maximum of 900 pounds</u> per square inch; provided however that the Division Director may administratively authorize a pressure limitation in excess of the above upon the operator's establishing that such higher pressure will not result in fracturing of confining strata.

That the operator shall notify the supervisor of the Division's Hobbs District Office before injection is commenced through said wells;

That the operator shall immediately notify the Supervisor of the Division's Hobbs District Office of the failure of the tubing, casing, or packer in said well or the leakage of water from or around said wells and shall take such steps as may be timely or necessary to correct such failure or leakage.

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

-STATE OF NEW MEXICO OIL CONSERVATION DIVISION

JOE D. RAMEY / Division Director

SEAL

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

CASE NO. 6614 Order No. R-6094

APPLICATION OF TEXACO INC. FOR THE AMENDMENT OF ORDER NO. R-4442, LEA COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on August 8, 1979, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 10th day of September, 1979, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Texaco Inc., seeks the amendment of Order No. R-4442 to remove the top unit allowable restriction from producing wells in the Vacuum Grayburg San Andres Unit which are offset by "lease line" injection wells.
- (3) That the applicant is conducting a pressure maintenance project in said Vacuum Grayburg San Andres Unit Area.
- (4) That lease line injection wells are in operation along or around over 50 percent of the unit boundary.
- (5) That the top unit allowable restrictions for producing wells along the border of said Vacuum Grayburg San Andres Unit should be removed.

-2-Case No. 6614 Order No. R-6094

- (6) That Rule 3 of the Special Rules and Regulations for the Texaco Inc. Vacuum Grayburg San Andres Pressure Maintenance Project as promulgated by Division Order No. R-4442 should be amended to read in its entirety as follows:
 - "RULE 3. That the project area allowable may be produced from any well within the project area in any proportion provided, however, that any proration unit situated on the boundary of the Vacuum Grayburg San Andres Unit which proration unit is not directly or diagonally offset by a San Andres injection well located either closer to the boundary of or outside the Vacuum Grayburg San Andres Unit shall—not be permitted to produce in excess of 80 barrels of oil per day until it has been established after notice and hearing that such well has experienced a substantial response to water injection."

IT IS THEREFORE ORDERED:

- (1) That effective September 1, 1979, Rule 3 of the Special Rules and Regulations for the Texaco Inc. Vacuum Grayburg San Andres Pressure Maintenance Project as promulgated by Division Order No. R-4442 is hereby amended to read in its entirety as follows:
 - "RULE 3. That the project area allowable may be produced from any well within the project area in any proportion provided, however, that any proration unit situated on the boundary of the Vacuum Grayburg San Andres Unit which proration unit is not directly or diagonally offset by a San Andres injection well located either closer to the boundary of or outside the Vacuum Grayburg San Andres Unit shall not be permitted to produce in excess of 80 barrels of oil per day until it has been established after notice and hearing that such well has experienced a substantial response to water injection."
- (2) That 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 herein-above designated.

STATE OF NEW MEXICO
OIL CONSERVATION-DIVISION

JOE D. RAMEY

Director

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION DIVISION FOR THE PURPOSE OF CONSIDERING:

CASE NO. 7591 Order No. R-7010

APPLICATION OF TEXACO, INC. FOR AMENDMENT OF DIVISION ORDER NO. R-4442 AND APPROVAL OF A TERTIARY OIL RECOVERY PROJECT UNDER THE CRUDE OIL WINDFALL PROFITS TAX ACT OF 1980, LEA COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on May 26, 1982, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 30th day of June, 1982, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Texaco, Inc., seeks authority to convert its Vacuum Grayburg-San Andres pressure maintenance project to a polymer-augmented waterflood, and pursuant to Section 212.78 of the United States Department of Energy Regulations and Section 4993 of the Internal Revenue Code seeks certification of said project as a Qualified Tertiary Oil Recovery Project.
- (3) That said pressure maintenance project lies within the Vacuum Grayburg-San Andres Pool, Lea County, New Mexico.
- (4) That said pool was discovered in May, 1929, by Socony Vacuum Oil Company, experienced substantial development thereafter with waterflooding being initiated during 1973.
- (5) That Texaco, Inc., Vacuum Grayburg-San Andres Pressure Maintenance Project, consisting of approximately 1486 acres was

-2-Case No. 7591 Order No. R-7010

approved by said Division Order No. R-4442 on November 27, 197 and water injection was commenced within said Project beginning in 1973.

- (6) That the applicant now seeks approval for the installation of tertiary recovery polymer-augmented waterflood by the injection of polyacrylamide polymers into 25 project wells, and the designation of a qualifying tertiary recovery project area covering said pressure maintenance project.
- (7) That the New Mexico Oil Conservation Division has been designated by the Governor of the State of New Mexico as the appropriate agency to approve Qualified Tertiary Recovery Projects in New Mexico for purpose of the Crude Oil Windfall Profits Tax Act of 1980.
- (8) That the proposed Qualifying Tertiary Project Area (QTP Area) lies wholly within said Vacuum Grayburg-San Andres Pressure Maintenance Project in the Texaco Vacuum Grayburg San Andres Unit Area and consists of the following described acreage:

TOWNSHIP 17 SOUTH, RANGE 34, EAST, NMPM Section 35: E/2 SW/4

TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMPM Sections 1 and 2: All Section 11: NE/4 NE/4 Section 12: N/2 NW/4

containing 1486 acres more or less.

- (9) The proposed project is a tertiary recovery method described in Section 212.78(c) of the Department of Energy Regulations, and as defined in Section 4993(d)(1) of the Internal Revenue Code, and Section 150.4933-1(c).
- (10) The proposed Tertiary Recovery Project is expected to result in the recovery of an additional 1,700,000 barrels of crude oil which the Division finds is more than an insignificant increase in the ultimate recovery of crude oil.
- (11) The injection of polyacrylamide polymers will improve mobility ratio and vertical conformance, and the Texaco QTP Area project is designed, and will be operated, in accordance with sound engineering principles.
- (12) The entire Vacuum Grayburg-San Andres Pressure Maintenance Project will be affected and it is adequately delineated.

-3-Case No. 7591 Order No. R-7010

- (13) That the QTP Area tertiary recovery operations beginning date is after May, 1979, as scheduled polymer injection will begin during July, 1982.
- (14) That past production from the Vacuum Grayburg-San Andres Pool underlying the Vacuum Grayburg-San Andres Unit Area is 33,440,000 barrels through June 30, 1982. Future recovery without the proposed tertiary recovery project is estimated to be 30,390,000 barrels of oil. With the proposed tertiary recovery project an additional 1,700,000 barrels of oil will be recovered resulting in a total production of 32,090,000 barrels of oil.
- (15) The Vacuum Grayburg-San Andres Unit presently has thereon 46 producing wells, 13 injection wells and 3 shut-in production wells, and 1 water supply well. Twelve production wells will be converted to injection wells which will change the injection pattern from an inverted nine spot to a five spot with 40 acre injection patterns. In addition, lease line injections are also planned along the northwestern unit boundary. All injection wells located in the Vacuum Grayburg-San Andres Unit will receive polymer-augmented injection.
- (16) The projected future expense for the proposed tertiary project is nine million six hundred forty thousand dollars (\$9,640,000) for the cost of the polymer and ninety thousand dollars (\$90,000) for polymer handling equipment.
- (17) That the proposed tertiary recovery operations within said QTP Area meet all requirements of Section 4993 of the Internal Revenue Code.
- (18) That the approval of this application will prevent waste, protect correlative rights and promote conservation, provided however, that the production limitation provisions of Rules 2 through 6 of Division Order No. R-4442, dated November 27, 1972, as amended by Division Order No. R-6094, dated September 1, 1979, should remain in effect.

IT IS THEREFORE ORDERED:

- (1) That effective July 1, 1982, the Qualifying Tertiary Recovery Project Area, described in Finding No. (8) of this Order, being The Texaco Inc. Vacuum Grayburg-San Andres Unit Area, Vacuum Grayburg-San Andres Pool, Lea County, New Mexico, is hereby approved as a Qualified Tertiary Recovery Project under the Crude Oil Windfall Profits Tax Act of 1980.
- (2) That the applicant, Texaco Inc., is hereby authorized to inject water and polyacrylamide polymers into the approved

-4-Case No. 7591 Order No. R-7010

injection wells in this unit, and that Division Order No. R-44 dated November 27, 1972, is hereby amended to allow the injection of said polymers.

IT IS FURTHER ORDERED:

- (1) That the production limitation provisions of Rules 2 through 6 of Division Order No. R-4442, as amended by Division Order No. R-6094, shall remain in full force and effect until further order of the Division.
- (2) That 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

JOE D. FAMEY,

Director

SEAL

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

CASE NO. 7591 Order No. R-7010-A

APPLICATION OF TEXACO, INC. FOR AMENDMENT OF DIVISION ORDER NO. R-4442 AND APPROVAL OF A TERTIARY OIL RECOVERY PROJECT UNDER THE CRUDE OIL WINDFALL PROFITS TAX ACT OF 1980, LEA COUNTY, NEW MEXICO.

NUNC PRO TUNC ORDER

BY THE DIVISION:

It appearing to the Division that Order No. R-7010, dated June 30, 1982, does not correctly state the intended order of the Division,

IT IS THEREFORE ORDERED:

- (1) That Finding No. (8) on page 2 of Order No. R-7010 is hereby amended to read in its entirety as follows:
 - "(8) That the proposed Qualifying Tertiary Project Area (QTP Area) lies wholly within said Vacuum Grayburg-San Andres Pressure Maintenance Project in the Texaco Vacuum Grayburg San Andres Unit Area and consists of the following described acreage:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM Section 35: W/2 SW/4

TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMPM

Sections 1 and 2: All Section 11: NE/4 NE/4 Section 12: N/2 NW/4

containing 1486 acres more or less."

(2) That the corrections set forth in this order be entered nunc pro tunc as of June 30, 1982.

DONE at Santa Fe, New Mexico, on this 30th day of November, 1982.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

JOE D. RAMEY

Director

APPLICATION OF TEXACO INC. TO EXPAND ITS PRESSURE MAINTENANCE PROJECT IN THE VACUUM GRAYBURG-SAN ANDRES POOL IN LEA COUNTY, NEW MEXICO

ORDER No. PMX-120

ADMINISTRATIVE ORDER OF THE OIL CONSERVATION DIVISION

Under the provisions of Order No. R-4442, Texaco Inc. has made application to the Division on November 2, 1982, for permission to expand its Vacuum Grayburg-San Andres Unit Pressure Maintenance Project in the Vacuum Grayburg-San Andres Pool in Lea County, New Mexico.

NOW, on this 17th day of November, 1982, the Division Director finds:

- 1. That application has been filed in due form.
- 2. That satisfactory information has been provided that all offset operators have been duly notified of the application.
- 3. That no objection has been received within the waiting period as prescribed by Rule 701 B.
- 4. That the proposed injection well is eligible for conversion to water injection under the terms of Rule 701.
- 5. That the proposed expansion of the above referenced pressure maintenance project will not cause waste nor impair correlative rights.
 - 6. That the application should be approved.

IT IS THEREFORE ORDERED:

That the applicant, Texaco Inc, be and the same is hereby authorized to inject water into Grayburg-San Andres formations through plastic-lined tubing set in a packer at approximately 50 feet above the top most perforations in the following described wells for purposes of pressure maintenance to wit:

Vacuum Grayburg San Andres Unit Well No. 18, K-1-18S-34E;

Vacuum Grayburg San Andres Unit Well No. 62, C-2-18S-34E;

Vacuum Grayburg San Andres Unit Well No. 63, B-2-18S-34E;

Vacuum Grayburg San Andres Unit Well No. 65, M-35-17S-34E;

Vacuum Grayburg San Andres Unit Well No. 67, L-35-17S-34E;

all in Lea County, New Mexico.

IT IS FURTHER ORDERED:

That the operator shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface.

That the casing-tubing annulus (in each well) shall be loaded with an inert fluid and equipped with a pressure gauge

at the surface or left open to the atmosphere to facilitate detection of leakage in the casing, tubing, or packer.

That the injection wells or system shall be equipped with a pressure limiting device which will limit the wellhead pressure to a maximum of 875 pounds per square inch; provided however that the Division Director may administratively authorize a pressure limitation in excess of the above upon the operator's establishing that such higher pressure will not result in fracturing of the confining strata.

That the operator shall notify the supervisor of the Division's Hobbs District Office before injection is commenced through said wells.

That the operator shall immediately notify the Supervisor of the Division's Hobbs District Office of the failure of the tubing, casing, or packer in said wells or the leakage of water from or around said wells and shall take such steps as may be timely or necessary to correct such failure or leakage.

That the subject wells shall be governed by all provisions of Division Order No. R-4442 and Rules 702, 703, 704, 705 and 706 not inconsistent herewith.

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

STATE OF NEW MEXICO
OL CONSERVATION DIVISION

JUE D. RAMEY, Division Director

SEAL

		Expe	Type Workover	H /A
AH.	Journation .	D REMEDIAL WORK	Est. 1-3650 [1/7] Bran som (H)	
	RG SAN ANDRES UNIT WON	No. 35 (INJ) Data	7-23-8 Work Int 100%	
TX. Comp Date 3-27	KE - 3994 -73 @ T. D.4800 I. P.	ft. from ground level.	NEW MEXICO	-
GOR - Rrs 24	(INTECTION) Dump. Tom. P	resent T. D <u>4788</u> SEPECTIVE OR PAY ZO	Elevation 3993 DF	
Name or Type of Zon VACUUM SAH ANDRES	ne Top Base	The state of the s	Remarks	
Size Weight G	CASING AN Sacks irade Set At Cemen		Remarks	
	-55 357 300 -55 4800 650	12h* — 7%e* +360-4737	CMT. CIRC. Cont. Top AT 1030' BY CBL SQUEETED 7-74 To 510'	
	COMPLETION AND I	HARDIAL WORK RECO	RD	
Date Oil Water 3-27-13 HFW WE 7-10-74 SQJEEZ 10-14-74 3084	GOR HITS Type ACID FD CASING LIFAK CLASS H	Treatment Amount From To 6000 4360 473 3005X 20039 7000GAIS 4360 473	1115 500 - 24(VAC) 1NJ 30: - 24-(900PSi	
12-80 ATTEMPTE	SQUEEZE JOB AND	CASING COLLARED ()	000 SE DEPTH	
Remarks: THIS WE	IL HAS BEEN S	HUT-IN SINCE L	DECEMBER, 1980. PSI Flow	15 U en -1
Present Allow (INT)		Accum. Feet 1601703	Not 7-1-81 hea	1
Property Col	Water 720 BPD (3)	GEA	Hrs. C. Programmer	
Choke Size.	1/2 (JL)	Procedure O	Tog Presente 1950 PSC	
Ressons for Remedial Wo	TO REPLACE T	HE COLLAPSED CAS	ING POWN TO 1100' : 50 Below	the
ORIGINAL CEMENT	- TOP AT 1050')	AND THERERY RE	TURN THIS WELL TO	
ACTIVE INJECT	TION STATUS.			
	commendations and Proced		H LIME MUD SYSTEM	
1/	the first the second of the se	医血栓性畸形 化氯化铁矿 化二氯化二氯化铁矿	MECHANICALLY CUT	
	 Supplied to the state of the st		그는 그들은 그 사람들이 가는 사람들이 가장 가장 가장 사람들이 되었다. 그렇게 살아 먹었다.	
			(NOTE 1976 BOND LOG)	
	ENTS OF THE 4			•
	ACH SEGMENT W			7::
			EAR OR OVERSHIT WITH GRAFTE)
Total Control of the	T: Hallilowing		lane lea. H.	
Reviewed and Approved District		District Division	Petroleum Engineer	
Asst. Supt.		Engineering Geological Gen'l Supt.		
EXP-HS- INV.	CASH MOH TOTAL TEXA 126650 19860 146350 1463 O O O O	5c Date	OD. INCR (TX%) 56 (56)	
29	126650 19700 146550 1467	PA	YOUT 5 MONTHS W. I. 11-2	

STATE OF NEW MEXICO MINERALS DEPARTMENT	
DISTRIBUTION THE SANTA FE, NEW MEXICO 87501	Form C-103 Revised 19-1-78
Uss.o.s.	Sa. Indicate Type of Lease State Y
OPERATOR	5. State Oil & Gas Lease No. B-1733-1
SUNDRY NOTICES AND REPORTS ON WELLS [DO NOT USE THIS FORM FOR PROPOSALS TO BRILL ON TO DEEPEN OR PLUG OACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" FORM C-1011 FOR SUCH PROPOSALS.)	
on GA3 OTHER- Water Injection	Vacuum Grayburg San Andres Unit
Texaco Inc.	Vacuum Grayburg San Andres Unit
P.O.Box 728, Hobbs, New Mexico 88240	9. Well No. 35
4. Location of Well UNIT CETTER	10. Fleld and Pool, or Wildcat Vacuum Grayburg San Andres
THE East LINE, SECTION 1 TOWNSHIP 18-S RANGE 34-E HMPM	
15. Elayation (Show whether DF, RT, GR, etc.) 3988! (DF)	12. County
Check Appropriate Box To Indicate Nature of Notice, Report or Ot	
	T REPORT OF:
TEMPORARILY ABANDON COMMENCE DRILLING OPHS.	ALTERING CASING PLUG AND ABANDONMENT
OTHER	g
17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including work) SEZ HULE 1703.	estimated date of starting any propose
1. Rigged up. Pull 881' (22 Jts) 4½"Csg. Install BOP.	
2. Clean out to 903'. Recover addl. 129'Csg. Clean out. Csg.	Ran 1040' $4\frac{1}{2}$ " 10.5#
 Spot 10 sx. Cement plug from 4009'-3879'. Spot 10 sx. Cement plug from 2786'-2656'. 	
5. Cement 4½ "Csg w/350 sx. class 'H' cement containing cement @ 800' by temperature survey. WOC. DOC. Teste	
for 30 minutes, 10:15-10:45 AM, 10-1-81. 6. Drill out plugs. Clean out.	
7. Ran 2 3/8" OD plastic coated the w/pkr & set @ 4200' w/inhibited water.	. Load Annulus
8. Return to injection 11-11-81.	
18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.	
TITLE Asst. Dist. Mgr.	DATE 11-12-81
Orig. Signed by	NOV 1 C 1004
CONDITIONS OF APPROVALLIGANY	- DATE NOV 16 1981

CONDITIONS OF APPROVAL, IF ANYE



SANTA PE	-	P. O. BOX 2088			Form C-103
116	SANTA	FE, NEW MEXIC	O 87501		
V.S.O.S.	1			Sa. Indica	Type of Leuse
LAND DIF CE	7			State	y Foo 🔃
OPERATO]			5. State O	li 6 Gas Lease No.
	<u> </u>			B-173	3-1
(30 °C" , 25 THIS FORW FOR PRI	RY NOTICES AND RE	PE 4 OR Page 14 4 10 A DI	//CACHT RESERVOIR.		
USE "APPLICAT	TION FOR PERMIT -" (FORM C	-101: FOR 1 - PROPOSAL	8.1	7 Hou Ac	reement Signe
****	orner. Water T	njection Well			m_Grayburg
2. Name of Control	Water 1	illection Mett		8. Form or	Lease liame
Texaco Inc.					4
3. Address c: Zerator				9. Well No	
P. O. Box 728, Hobbs, 1	NM 88240			35	
4. Location of me.:				10. Field	and Pool, or Vildeat
wait Lerres G	2630 PEET FROM THE	North	1330	San A	m Grayburg indres
		100			
Fast LIME, SECTI	ONTOWNS	18S	34E	_ mmrm.	
innovement.	15. Elevation (Show subastan IsE PT C	P etc 1	12. County	<i>millititii</i> ,
			n, e.c./	. 35.	
	3988' D			l_Lea_	
	Appropriate Box To	Indicate Nature of	-		
NOTICE OF I	NTENTION TO:		SUBSE	QUENT REPORT	r OF:
PERFORM REMES AS WORK	PLUS AND	ABAHDON REMEDIAL		त्रा	ALTERING CASING
TEMPORARILY ASSESSOR	7236 1110		DRILLING OPHS.	~	PLUE AND ABANDONMENT
PULL OR ALTER CASING	CHANGE PL	1	ST AND CEMENT JOB	~	PEGE NEO YANDONMENT
		OTHER	ST AND CEMENT SEE [Г
67ut 4					
			 ,-		
17. Describe Franced or Completed Openh) SEE = ULE 1 (03.	setations (Crearry state att	pertinent ceiziis, and gi	ve pertinent aates, in	ctuaing estimatea a	are of starting any proposec
1) MIRU PU. Installed BO	OP. TOH w/2 3/8"	duolined tbg. &	pkr.		,
2) TIH w/3 7/8" bit and					
3) TOH w/bit.					
4) Perforated 4½" csg at				· A	
5) TIH w/pkr and 631' tz					
6) Acidize perfs 4254-47		elled 15% NEFE	in 3 stages,	2/4000 lb ro	cksalt. Air 5.3 F
7) TOH w/pkr and workst					
8) TIH w/inj. pkr on 2 :				mn a	. ppp 1 1 -
9) Set RBP at 4216'. Rep	paired leak in we	Ilnead, Could n	ot retrieve F	BP. Cut over	RBP and pushed t
bottom. TOH w/shoe. 10) TIH w/inj pkr on 2 3/	/0" Avolina tha	aira nkr fluið	cot plex at	4174! and +	rocted are to
500 psi for 30 min. (circ. pkr riuid	, set the ac	41/4 , and t	ested tsg w
11) Resumed injection. I		075 psi.			
		· · ·			
				•	
•					
18. I hereby centre that the information	above is true and complete	to the best of my knowle	edge and belief.		
1-10	•	,	•	•	
111/ Ma	umins	vince District A	dmin Sunoveri	COT	03/21/86
J.W. A.W.	www.	THE DISCLICE P	Parenti Princi Al	DATE_	
ORIGINAL SIGNED B	/ V }#257 CEVT/~:			•	100C
APPROVED AV RINTDICT I CI		* 1 T. P		2475	APR 2 - 1986

a.4-9-13-86

			RECOM		HAMBIAL	414		
	i. j.		1 41		~	Dosa 🛎		(116) Est.
, ,	on Gralen	se San And	hes Dhit	Well No		TI. We	y Mexico	&
S :	Date 8		7. D. 471			round level.	ρ Geo	791 MCF
HO		2	- Bag	Flow, Pres		47/0		7/4 D
				_	PECTIVE O	R PAY ZON		
	or Type of		Top	Base				
<u>n</u>	Cerayburg	Son Andres	4090	47/0	Resease	- Completion	Interval	
				-				
			CAS	Sacka	Hole	CORD		
	Weight	Grade	Bot At	Comeat	Size	Peri.	Req	eartic
_	3)	zw smls	1590	300 200	63/4		Cont Cir.	100' (60% CI
_					434	open hake	4090-4710	100 1 100 11 12 1
-				A AND DE	MEDIAL V	VORK RECOR	•	
. 1	Production	Test Bafes			Treatmen		Production	Ted After
_		ster COR	•			From To	OA Water	COR The
<u> </u>		a Complet	4321 -	Actural Frac 3		4090 4710 4090 4710	1236 <u>0</u> 74 9	640 24 F
<u> </u>	724 3	1 1096		1570 NEA	3000	4090 4710	118 65	1096 341
_								
_	-							كبست وبحيدياته وم
	٠ ـــ .	11 /))	,	• 1)	. / /.		
: -	This o	will be to	he first	workowa.	since the	initiation o	+ testialy	recovery
	This (initiation o	0.	,
	19.	O Me	x, Allow,	Unit	Acoum. Pro	4. 1,215, 593	12/37	/86
AI Tr	19 mt: 00	0 Me	x Allow	Unit	Acoum. Pro	d. 1,215, 593 OR 507	12/31 Hrs. 24	/86
AI Tr	19 mt: 00	0 Ma 108 W	x Allow	Unit 3 Ca 05-144, 129	Acoum. Pro 50 00 2" stk, 8 sp	1,215,593 08 507 m, 13/4"pmp,	12/31 Funtine 4	186
Al To	low 19. set: Oll g Equipm	100 West:	23 Alow 23 Alox 23 Alo	Unit Com DS-144, 129 recommen	Acoum Pro 50 0 2" stk, 858	1,215,593 01 507 m, 134" pmp, cleanout an	runtime 40 acid frac	/86 57. w:th 15,00
Al To	low 19. set: Oll g Equipm	100 West:	23 Alow 23 Alox 23 Alo	Unit Com DS-144, 129 recommen	Acoum Pro 50 0 2" stk, 858	1,215,593 08 507 m, 13/4"pmp,	runtime 40 acid frac	/86 57. w:th 15,00
Al Ti Cal	not: Oli g equipm or Remodi	O Ma 108 W ect! Luft al Wash:	23 Alow 23 23 640 -32 In 640 -32 12 12 12 12 12 12 12 12 12 12 12 12 12	Unit Composition Composition	Acoum Pro 50 0 2" stk 85F Lod to	1,215,593 10. 507 10. 13/4" pmp, cleanout ar a production	runtime 4 acid frac	/86 with 15,000
Al To	met: Other g equipm of soull	100 West:	In 640-3 It is I Linked I	Unit Con Cocommen NEFE to of 6 m	Acoum Pro 50 0 2" stk 850 Led to astain	1,215,593 01 507 m, 134" pmp, cleanout an	runtime 4 acid frac	/86 with 15,000
All The State of t	not: Oll g æguipn er Remedie s of s will Regiment	100 West: 1520 X- yield a	Aloward Along 23 In 640 -3 It is i	Unit Comment NEFE to of 6 m	Acoum Pro 50 0 2" stk 850 Led to astain	1. 1,215,593 02. 507 10. 13/4" pmp, cleanout ar a production of 9,5	runtime 4 decid frace	/86 with 15,000
All Colors	g equipment of swill Rupu	100 West:	Linked Payout and to	Unit Con OS-144, 129 Pecommen NEFE to of 6 m and Procedu Pump, ins	Acoum Pro 50 0 2" stk, 85P ded to astgin conths, a	1. 1.215, 593 M. 134" pmp. Cleanout an a production Post of 9.5	runtime 4 runtime 4 ad acidfrac and increase 7 and a	/86 with 15,000 c of 20 Be
Al Cal	g equipment of swill Rupu	100 West:	Linked Payout and to	Unit Con OS-144, 129 Pecommen NEFE to of 6 m and Procedu Pump, ins	Acoum Pro 50 0 2" stk, 85P ded to astgin conths, a	1. 1,215,593 02. 507 10. 13/4" pmp, cleanout ar a production of 9,5	runtime 4 runtime 4 ad acidfrac and increase 7 and a	/86 with 15,000 c of 20 Be
Al . To	Janes 19. g equipment of swill Rulu Rulu Rulu Rulu Rulu Rulu	100 West: 150 X- yield a full rod verse uni	In 640-32 In 640-32 It is larged Anyout And there I and there I and there	Unit Con Con Con Con Con Con Con Co	Acoum Pro 50 0 2" stk, 85P ded to astain conths, a tall BOP, to 47/0	1,215,593 M. 1,215,593 M. 13/4" pmp. Cleanout ar a production foot of 9,5 Post of tub	runtime 4 runtime 4 d acidfrac and increase 7 and a	186 with 15,00 c of 20 Be OKERNI of
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Jane 19. g aguipa g agui	100 West: Luft 1520 X- yield a pull rod verse uni	In 640-30 It is is Linked to Agyout Sand Is and 15 66/s	Unit Comment Personal Personal Pump, ins cleanout of amm	Acoum Pro 50 0 2" stk, 85P Led to Astain Donths, a tall Bop, to 47/0 Onium	1. 1.215, 593 M. 134" pmp. Cleanout ar a production for uf tub with 4	runtime 4 runtime 4 d acid frac and increase 7 and a 13/4" bit.	/86 with 15,00 of 20 Be OXFEDI of
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Jane 19. g aguipa g agui	100 West: Luft 1520 X- yield a pull rod verse uni	In 640-30 It is is Linked to Agyout Sand Is and 15 66/s	Unit Comment Personal Personal Pump, ins cleanout of amm	Acoum Pro 50 0 2" stk, 85P Led to Astain Donths, a tall Bop, to 47/0 Onium	1,215,593 M. 1,215,593 M. 13/4" pmp. Cleanout ar a production foot of 9,5 Post of tub	runtime 4 runtime 4 d acid frac and increase 7 and a 13/4" bit.	/86 with 15,00 of 20 Be OXFEDI of
2) 3)	Rufu, Rufu	100 Mare 100 Mare 1570 X- yield a pull rod werse uni o'. Spot	Linked A Linked A Payout S and A 15 66/5	Unit Comment Secomment NEFE to of 6 m Cump, ins cleanout of amm treating	Acoum Pro 50 0 2" stk, 85P Led to Astain worths, a tall BOP, to 47/a packer	1215, 593 M. 134" pmp. Cleanut ar a production frost u/tub with 4 star	runtime 4 runtime 4 d acid frac and increase 7 and a increase 3/4" bit. across open ads of teil	/86 with 15,000 of 20 Be OXFERT of Till approx when STO
2 2 3	Rufu, Rufu	100 Mare 100 Mare 1570 X- yield a pull rod werse uni o'. Spot	Linked A Linked A Payout S and A 15 66/5	Unit Comment Secomment NEFE to of 6 m Cump, inst cleanout of amm treating	Acoum Pro 50 0 2" stk, 85P Led to Astain worths, a tall BOP, to 47/a pocker	1. 1.215, 593 M. 134" pmp. Cleanout ar a production for uf tub with 4	runtime 4 runtime 4 d acid frac and increase 7 and a increase 3/4" bit. across open ads of teil	/86 with 15,000 of 20 Be OXFERT of Till approx when STO
2 2 3	Rufu, Rufu	100 Mare 100 Mare 1570 X- yield a pull rod werse uni o'. Spot	Linked A Linked A Payout S and A 15 66/5	Unit Comment Secomment NEFE to of 6 m Cump, inst cleanout of amm treating	Acoum Pro 50 0 2" stk, 85P Led to Astain worths, a tall BOP, to 47/a pocker	1215, 593 M. 134" pmp. Cleanut ar a production frost u/tub with 4 star	runtime 4 runtime 4 d acid frac and increase 7 and a increase 3/4" bit. across open ads of teil	/86 with 15,000 of 20 Be OXFERT of Till approx when STO
2) 3)	Rufu, Rufu	100 Mare 100 Mare 1570 X- yield a pull rod werse uni o'. Spot	Linked A Linked A Payout S and A 15 66/5	Unit Comment Secomment NEFE to of 6 m Cump, inst cleanout of amm treating	Acoum Pro 50 0 2" stk, 85P Led to Astain worths, a tall BOP, to 47/a pocker	1215,593 M. 1314" pmp. cleanout ar a production for uf tub with 4 star of 20%	runtime 4 runtime 4 d acid frac and increase 7 and a ing. across ofer across ofer MEFE acro	PEC With 15,000 of 20 Be OKEFOI of I FILL AFFROX PIES. STOPEN DIS
2 2 2 3 3 3 3 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	Rupu Paradi Apper	100 West: Luft 152 X- yield a pull rod verse uni '. Spot Luft Let at	Linked A Linked A Payout S and A 15 66/5	Unit Comment Secomment NEFE to of 6 m Cump, inst cleanout of amm treating	Acoum Pro 50 0 2" stk, 85P Led to Astain worths, a tall BOP, to 47/0 onium Cocker Loon gels	POH w/ tub Sor with 4 star	runtime 4 runtime 4 d acid frac and increase 7 and a increase 3/4" bit. across open ads of teil	PEC With 15,000 of 20 Be OKEFOI of I FILL AFFROX PIES. STOPEN DIS
All Signature of the state of t	Rufu Paradi Appropriate Approp	100 West: Luft 152 X- yield a pull rod verse uni '. Spot Luft Let at	Linked A Linked A Payout S and A 15 66/5	Unit Comment Secomment NEFE to of 6 m Cump, inst cleanout of amm treating	Acoum Pro 50 0 2" stk, 85P ded to altain ports, a tall Bop, to 47/a porter /poor gels Division	M. 1,215,593 M. 507 M. 134" pmp. cleanout ar a production frut of 9,5 Pot u/tub with 4 star of 20% District The production of 20%	runtime 4 runtime 4 d acid frac and increase 7 and a ing. across ofer across ofer MEFE acro	PEC With 15,000 of 20 Be OKEFOI of I FILL AFFROX PIES. STOPEN DIS
All Signature of the state of t	Rupu P A 4660 Set par	100 West: Luft 152 X- yield a pull rod verse uni '. Spot Luft Let at	Linked A Linked A Payout S and A 15 66/5	Unit Comment Secomment NEFE to of 6 m Cump, inst cleanout of amm treating	Acoum Pro 50 0 2" stk, 85P Led to Astain worths, a tall BOP, to 47/a packer /Don gels Division Geografia	M. 1,215,593 M. 507 M. 13/4" pmp. cleanout ar a production for with 4 clearbonde with 4 star of 20% District District The star of 20%	runtime 4 runtime 4 d acid frac and increase 7 and a ing. across ofer across ofer MEFE acro	PEC With 15,000 of 20 Be OKEFOI of I FILL AFFROX PIES. STOPEN DIS
All Signature of the state of t	Rufu Paradi Appropriate Approp	100 West: Luft 152 X- yield a pull rod verse uni '. Spot Luft Let at	Linked A Linked A Payout S and A 15 66/5	Unit Comment Secomment NEFE to of 6 m Cump, inst cleanout of amm treating	Acoum Pro 50 0 2" stk 85F Led to Astgin Division Division Con Con Con Con Con Con Con	M. 1215, 593 M. 13/4" pmp. cleanout ar a production four of 9.5 Pott u/ tub iscarbonste with 4 star of 20% District District 11. Sept.	runtime 4 runtime 4 d acid frac and increase 7 and a ing. across ofer across ofer MEFE acro	PEC With 15,000 of 20 Be OKEFOI of I FILL AFFROX PIES. STOPEN DIS
All Signature of the state of t	Rufu Paradi Appropriate Approp	100 West: Luft 152 X- yield a pull rod verse uni '. Spot Luft Let at	Linked A Linked A Payout S and A 15 66/5	Unit Comment Secomment NEFE to of 6 m Cump, inst cleanout of amm treating	Acoum Pro 50 0 2" stk 85F Led to Astgin Division Division Con Con Con Con Con Con Con	M. 1,215,593 M. 134" pmp. cleanout ar a production POH w/ tub with 4 star of 20% District Incoming	runtime 4 runtime 4 d acid frac and increase 7 and a ing. across ofer across ofer MEFE acro	PEC With 15,000 of 20 Be OKEFOI of I FILL AFFROX PIES. STOPEN DIS
All Signature of the second se	Rufu, Rufu	DO March: 100 West: 150 X- yield a pull rod verse uni Spot Luft Ler at	Linked Dayout Sand Jand John John Hora	Unit Con Con Con MEFE to Of 6 m Meren Cleanout of amm treating Pump	Acoum Pro 50 0 2" stk 85F Led to Astgin Division Division Con Con Con Con Con Con Con	M. 1,215,593 M. 134" pmp. cleanout ar a production for phytub with 4 star of 20% District District 1. Sept.	runtime 4 runtime 4 d acid frac and a increase 7 and a increase Across ofer across ofer MEFE acro MALLA 7-14	PELL STORES FILL SEPTENT STORES FIRE FI
All Trees of the second	Rufu Paradi Appropriate Approp	Do Marie 1000 West: Luft of West: Luft of Marie 15 to X- yield a market unit of Spot Lufe with the wit	Linked Dayout Sand Jand John John Hora	Unit Con Con Con Con Con Con Con Co	Acoum Pro 50 0 2" stk 85F Led to Astgin Division Division Con Con Con Con Con Con Con	M. 1,215,593 M. 134" pmp. Cleanout are a production POH w/ tub with 4 star of 20% District District PRO PAY PAY PAY	runtime 4 runtime 4 d acid frac and acid frac and a increase T and a increase MEFE acro ME	PERON STO

De 0 6/10/87
POLA 6-12-87
166 6-12-87

	•		MININE	REMEDIAL	Woer '	<i></i>	(1/6)	Rib ross (N) K-36
	Drillin	X Do u	man-Bi	ulline	Data_	2/11/26		/->0
	aybur San Had	me Unit	Well No	40	TX.	Work, Int.		
lepths measur	rayoure Son And		unty 129	_ft. from gr		New Mex	<u>.co</u>	
Comp. Date			J. P. Of		Water	Elevation		7MC
·				PECTIVE OF			750	<u></u>
Name or Tyr		Top	Base			Remarks		
	in San Ardres	4676		Proceed	concetio	al Intern	.7	
COUNT GIAVA	C San Hreve	<u>-7576</u>		Tresent	COPLETIO	N +1/1/E/V		
						······································		
		CAS	Sacks	Hole	ORD			
ise Wels	tht Grade	Set At	Coment	Size	Perf.		Remar	ts.
/k" 2:		1559	300	10:14			Cir. loba	
<u> </u>	7 <i>N</i> 4	<u> </u>	70.5	434	4076-471		7.7-7	0/cok.60747
			AND RE	MEDIAL W	ORK REC			
ate Oil	tion Test Before Water GOR	Hrs			rom To	Off		dos After
15-71 60	tal Completion	245	Natural 1576 A	<u> </u>	276 <u>47</u> "	10 <u>-38</u> 82	0	459 5F
:72 25 3-72 30	0 MG	24F	1570 A		00 471			7270 24×
23-74 41	12 12A		 ~		1076 471			2776 247 2379 247
1-77 37 30-90 64	<u> </u>	-			1076 47		<u> </u>	
			5th MEA	3000 ee	.200 -	5 57	20	459 24
erts: This c					^ } l			
ent Allow	161 May 105 W	ter_18 95 FM1, 84*5	Un. 7	GOI	874,429 282 282 285-216	Hrs. 2 ^t eX 537. The Free	12/85 1 Po 142: ¹ 5	mp. Flow,
sent Allow	16 Mar 1 105 We 1 105 We 1 13/4 Cuma 1 100 Week: 1	18 95 FM, 84° 5	Cas GAK, time low	Acoum. Prod	874,429 282 282 2000-216	Hre 2' ex 537. Tog Frank	12/85 142:15 Can fede	mp. Flow.
cent Allow	161 Mar 105 War 1000 Mar 1000	18 95 pm, 84° 5 -t is reco	Uniting la	Accum. Prod	874,47.9 282 2005-216 4 and acid	Hre 24 ex 537. The Free This will	12/85 142:15 Can fede	mp. Flow.
cant Allow	161 Marine Warder 105 Warder to obt 5 marths,	4 Allow. 18 95 pm, 84° S 1 is reco	Consider the local starting of 4.93 a	Acoum. Prod 37 GOI 57. Capacity Active Acreose of and a CCFRC	874,47.9 282 2005-216 4 and acid	Hre 24 ex 537. The Free This will	12/85 142:15 Can fede	mp. Flow.
cons for Ben	161 Maring Recomme	4 Allow 18 95 pm, 84° 5 This reco	Cas CAK, time low more ded soluctions is of 4.93 and Procedure	Accum. Prod 37 GOI 50 Capacity Accepted Ac	874,42.9 282 2000-216 4 and acid 30 BOFF	Hre 24 ex 5372 Tog Press lise the	12/85 142 its Can fedr Lyield	
cont Allow. Casons for Ben fay had release Engin	161 Marine Warder 105 Warder to obt 5 marths,	4 Allow 18 95 pm, 84° 5 This reco	Cas CAK, time low more ded soluctions is of 4.93 and Procedure	Accum. Prod 37 GOI 50 Capacity Accepted Ac	874,42.9 282 2000-216 4 and acid 30 BOFF	Hre 24 ex 5372 Tog Press lise the	12/85 142 its Can fedr Lyield	
cont Allow	order to obtaining Recommends of Supering Recommends	95 FM, 84°S This reco a fuz a functions functions	Martine los momended ductions:	Acoum. Prod 37 GOI 5. Cafacily 13 CROCKIT ACTROSE of 101 a LCFRO 101 101 101 101 101 101 101 1	874,429 282 282 20050-216 200600000000000000000000000000000000	Hre 24 ex 5372 Tog Press lise the	12/85 142 its Can fedr Lyield	
fay not for Bond for	order to obtaining Recommendation South 18 100 100 100 100 100 100 100 100 100	4 Allow 18 95 FM, 84° 5 1 is reco a fw I a modetions as pump, ins	HK, time low more ded adactions of 4.93 and Procedure	Accum. Prod 37 GOI 50 CAFACT ACRESSE OF ACRESSE OF	874,47.9 282 200-216 200 BOFF T of loc 15.75. I	Hr 22 ex 537. The fine.	12/85 142:1s Ear fide Tyield	
fay not for Bond for	order to obtaining Recommends of Supering Recommends	4 Allow 18 95 FM, 84° 5 1 is reco a fw I a modetions as pump, ins	HK, time low more ded adactions of 4.93 and Procedure	Accum. Prod 37 GOI 50 CAFACT ACRESSE OF ACRESSE OF	874,47.9 282 200-216 200 BOFF T of loc 15.75. I	Hr 22 ex 537. The fine.	12/85 142:1s Ear fide Tyield	
fay in further for the form the first for the form the fo	order to obtain Recommendation full rode in pole in the contraction of	Allow. 18 95 pm, 84° 5 1 is reco a fw I a pump, in berrels 5'3' ir	HK, time low Muchail By A Coole The coole	Accum. Prod 37 GOI 50 Cafecily Acceptation Acceptatio	874,47.9 282 200-216 200 BOPL 30 BOPL 30 STON. Stords	Hr 22 ex 537. The Fine. This will of failing	12/85 142:15 Ean fide Lyield	a ·
fay to Horizolaum Engin	order to obtain Recommendation full rode in the factor of	Allow. 18 95 FM, 84° S 14 is reco a fwz a a fwz a charrels berrels 1/200°. Si	HK, time low morney de d Auction 1 A . 93 a A Procedure Call Exting fact with back	Acoum. Prod 37 GOI 5. Capacity Acreose of Acreose of ACFRO CONVENTED HER AND 4 FEEL AGE TESTAGE	874,429 282 200-216 1 and acid 20 BOPS Tofloo Sing. I	Hre 22 ex 5372 The Production This will be failed and	12/85 142:15 Ean fide Tyield The class The force	a ·
fay to Horizolaum Engin	order to obtain Recommendation full rode in pole in the contraction of	Allow. 18 95 FM, 84° S 14 is reco a fwz a a fwz a charrels berrels 1/200°. Si	HK, time low morney de d Auction 1 A . 93 a A Procedure Call Exting fact with back	Acoum. Prod 37 GOI 5. Capacity Acreose of Acreose of ACFRO CONVENTED HER AND 4 FEEL AGE TESTAGE	874,429 282 200-216 1 and acid 20 BOPS Tofloo Sing. I	Hre 22 ex 5372 The Production This will be failed and	12/85 142:15 Ean fide Tyield The class The force	a ·
fay in fur for Harris of the fay in the fay	order to obtain Recommendation full rode in pole in the contraction of	Allow. 18 95 FM, 84° S 14 is reco a fwz a a fwz a charrels berrels 1/200°. Si	HK, time low morney de d Auction 1 A . 93 a A Procedure Call Exting fact with back	Acoum. Prod 37 GOI 5. Capacity Acreose of Acreose of ACFRO CONVENTED HER AND 4 FEEL AGE TESTAGE	874,429 282 200-216 1 and acid 20 BOPS Tofloo Sing. I	Hre 22 ex 5372 The Production This will be failed and	12/85 142:15 Ean fide Tyield The class The force	a ·
fay in function for Ranging 1 function 1 fun	order to obtain Recommendation full rode in the factor of	Allow. 18 95 FM, 84° S 14 is reco a fwz a a fwz a charrels berrels 1/200°. Si	HK, time low morney de d Auction 1 A . 93 a A Procedure Call Exting fact with back	Acoum. Prod 37 GOI 5. Capacity Acreose of Acreose of ACFRO CONVENTED HER AND 4 FEEL AGE TESTAGE	874,429 282 200-216 200 BOFF 20 BOFF 20 STON. STON. STONE 100 Bock.	Hre 22 ex 5372 The Production This will of tailpip ends and call and	12/85 142:15 Ean fide Ayield Are close Sooks	a ·
sons for Ren fay to fay to for Horizon f	order to obtain Recommendation full rode in hole in the call injection of the call injection of the call in hole in the call in th	Allow. 18 95 FM, 84° S 14 is reco a fwz a a fwz a charrels berrels 1/200°. Si	HK, time low morney de d Auction 1 A . 93 a A Procedure Call Exting fact with back	Accum. Prod 37 GOI 30 Capacity According	874,47.9 R 382 B 8050-216 G and acid J of loo Sing. I SION. Stands John Fact. District	Hre 22 ex 5372 The Production This will be failed and	12/85 142:15 Ean fide Ayield Are close Sooks	a ·
riewed and A District Geological -	order to obtain Recommendation full rode in hole in the call injection of the call injection of the call in hole in the call in th	Allow. 18 95 FM, 84° S 14 is reco a fwz a a fwz a charrels berrels 1/200°. Si	HK, time low morney de d Auction 1 A . 93 a A Procedure Call Exting fact with back	Accum. Prod 37 GOI 30 Capacity Accum. Prod 30 Capacity Accum. Prod Accum. Pro	874,47.9 R 382 B 8050-216 G and acid J of loo Sing. I SION. Stands John Fact. District	Hre 22 ex 5372 The Production This will of tailpip ends and call and	12/85 142:15 Ean fide Ayield Are close Sooks	a ·
relewed and Alastrict Geological - Asst. Supt.	order to obtain Recommendation full rode in hole in the call injection of the call injection of the call in hole in the call in th	Allow. 18 95 FM, 84° S 14 is reco a fwz a a fwz a charrels berrels 1/200°. Si	HK, time low morney de d Auction 1 A . 93 a A Procedure Call Exting fact with back	Accum. Prod GOI Capacity Accum. Prod GOI Capacity Accorded	874,429 R 382 Deso-216 A god acid A god acid So Bopt Tof loo Sion. Stands Its rock District Completed	Hre 22 ex 5372 The Pro- lise the second of tailpipe Ede and salt and	12/85 142:15 Ean fide Ayield Are close Sooks	a ·
fay in further for Bond for Bo	order to obtain Recommendation full rode in hole in the call injection of the call injection of the call in hole in the call in th	Allow. 18 95 FM, 84° S 14 is reco a fwz a a fwz a charrels berrels 1/200°. Si	HK, time low morney de d Auction 1 A . 93 a A Procedure Call Exting fact with back	Accum. Prod GOI Capacity Accum. Prod GOI Capacity Accorded	874,429 R 382 B 850-216 G and acid Jo BOPE T of loo Stands Jord back Mes rock District Cordina	Hre 22 ex 5372 The Pro- lise the second of tailpipe Ede and salt and	12/85 142:15 Ean fide yield Are close Sooks	a ·
relewed and Alastrict Geological - Asst. Supt.	order to obtain Recommendation full rode in hole in the call injection of the call injection of the call in hole in the call in th	Allow. 18 95 FM, 84° S 14 is reco a fwz a a fwz a charrels berrels 1/200°. Si	HK, time low morney de d Auction 1 A . 93 a A Procedure Call Exting fact with back	Accum. Prod 37 GOI 5. Cafacily Accum. Prod 5. Cafacily Accum. Prod 5. Cafacily Accum. Prod 6. Cafacily Accum. Prod Accum. Pro	874,429 R 382 Deso-216 A god acid Bond acid Slow. Slow. Stands District Sage. District Sage.	Hre 22 ex 5372 The Pro- lise the second of tailpipe Ede and salt and	12/85 142:15 Ean fide yield Are close Sooks	a ·
sent Allow Sent Test: Ol Ca come for Rem fay and A fay and A coloum Engin Lu Es- riewed and A latrict Geological - Asst. Supt.	order to obtain Recommendation full rode in hole in the call injection of the call injection of the call in hole in the call in th	Allow. 18 95 FM, 84° 5 1 is reco a fw I a matters as fump, in: 2 b-rrels 17003'. Si isr. with	Marine last start and procedure for scale exting for water.	Accum. Prod GOI Converted Ling DO Division Engin Good Good Apr	874,429 R 382 B 850-216 G 90 BOPE T of loo Stands Joseph Back District Sering Fical Supt. Droved	Hre 22 ex 537. Tog Product ise the service of dailpa side and cald and Petroleum	12/85 142:15 Ean field Ayield Experse Sools Engineer	a ·
sons for Bone fay to de fa	161 Mar. 105 W. 105 W. 106 J. 107 J. 108	Allow 18 95 FM, 84'S This reco a fwz a pump, ins berrels 1/200'. Si isri with	MACO :	Accum. Prod GOI Converted Ling DO Division Engin Good Good Apr	874,429 R 382 B 850-216 G 90 BOPE T of loo Stands Joseph Back District Sering Fical Supt. Droved	Hre 22 eff 5372 The Product increase frage the services of tailpressed and self	12/85 142:15 Ear field Apriled Sools Engineer	a ·
fay for Rem fay f	Jos War Plant Proposed By:	Allow 18 95 pm, 84° s 14 is reco a fwz a pump, in berrels 1/200°. Si isr) with	Maria la Mar	Accum. Prod GOI Converted Ling DO Division Engin Good Good Apr	874,429 R 382 Deso-216 G and acid So Boff Slow. Stands Joned back. District Bapt. Sroved Proved	Hre 22 ex 5372 Tog Product ise the This will of tailpp side and call and Petroleum There is the The product of tailpp side and Petroleum	12/85 142:15 Ear field Apriled Sools Engineer	a ·

Pool/_All dept. TX. C	ACUM GB ACUM GD hs measured omp. Date 1660 Hi	- SAN AN from K -16-38 @ rs. 7	<u> </u>	SO I. P. Oi Flow. Pre	_ft. from groun ft. from groun l/93 sent T. D9	_State^_ ad levelWater 770	ck. Int. 100° Me v. Cas Clevation 40	MCF
Nan	ne or Type o		Top	OF PROSE	PECTIVE OR P		arks	
SAN	Annres		4450	4710	PRESENT	COMPLE	TION INTE	RVAL
			CAS	ING AND	LINER RECOR	D		
Size	Weight	Grade	Set At	Sacks Cement	Hole Size	Perf.	Rema	
75/2 7" 5/2"	40# 40# 24# 17#	NA NA NA N-80	1554 4100 4445	250 3 50 250 25	12/4 N 85/8 N 6/4 N	lone (CMT, CIRC CACCIMTTO CACCIMTTOPC LINEV SET GO	10 539@100 9 2713@166 03-4145
Date		COI Test Befor iter GOR	·e	AND REI		RECORD	Production Oil Water	Test After
12-21-7 9-5 -72	4 50 0		8(F) 30 <u>24(F)</u> 1 <u>24(P)</u> 50	TORNATIO	4100 - SKR & 1380 900 4100 3-1945 DILL 70	4550	193 0 152 0 17 5 93 2	1660 7(F 933 24(F 21,489 24(F 860 24(r
4-2982					125 SXCMT @1565			
Remarks Present	Allow. UN	VIT Max	x. Allow(ZNIT .	75 54647 @ 1565 75 54647 @ 1400 Accum. Prod. 5	49,524 as		
Remarks Present 8-/- Present	Allow	Max Wa	ter	GasPre	125 Start @ 1565 75 Start @ 1400 Accum. Prod. 5GOR ssure	44,574 as — Hrs	Pressure	ump. Klow:
Remarks Present 8-/- Present Reasons He Subject UBSTANTIA LAS Never Petroleu Petroleu RIG UP RIG UP Petroleu RIG UP RIG UP RIG UP RIG UP RIG UP RIG UP BLAC OPE BNULSI BLAC UP BLAC	Allow. UN 72 Test: Oil Choke for Remedia T Well AL PRODUCT BEEN FRAC MILLING ALINTENAN ALD IN O IM Engineerin FULL ROD PAC TUBING TRAC W/ 1 FRAC W/ 2 1000 GAL A	Size I Work: To THIS WELL TON INCR TORAS PI REASE PI CE PROJECT BTAINING RECOMMENT S, PUMP, THIS TO THE PACE TO BOM TO THE PACE TO BOM TE THE PACE TO BOM TE THE PACE TO BOM TE	LET O LIS IN THE LIS IN THE	Gas Pre SC PRODUCE VICINITY SEE ATTA OON PRE IS NOT CO ALLOWAB d Procedure BING. RTTS IN ULSIFRACE SCAL CMI COMP 500 LROSSE	Accum. Prod. 5 Accum. Prod. 5 GOR SSURE CTION BY S TOF WELLS CHED TABULA EVIOUS RESULA E	The Hrs The SO BOPD B THAT HAVE THE SON SHE THE SON S	Pressure By Hydrauli Brew Fractor THE S MILAR WE IN THE VACE TOP ALLOWABI CLIOWS: a) A OSD, d) 2 KAI 20-405 H 30% KCI W J 400# RO	C FRACTURE TURED FOR TURED FOR TURES, FRACTU THIS WORLD

WO: This workover will result in the recovery of new identifiable production and reserves that will not therwise be recovered by the present impletions. 2000 (H) 2116 > RECOMMENDED REMEDIAL WORK Well No. 42 TX. Work, Int. County Lea hool State Ul depths m ft. from ground level. X. Comp. Dete. I. P. OIL MCF .Water. **XOR** Step. Flow. Present T. D. _Elevation_ DF DESCRIPTION OF PROSPECTIVE OR PAY ZONES Base Name or Type of Zone fromsed find, 6 CASING AND LINER RECORD **Sacks** Hole Size Weight Grade Set At Size Perf. Remerks 13. 301' Cm- Cm 40 = 121/4 15 39 Cmr top @ 160' (cric 24 = 4/26 8 5/8 4128-46-5 61/4 OFFI COMPLETION AND REMEDIAL WORK RECORD n Toot Before **Production Test After** COR Hrs Type To 00 Amount Water COR Bre From 1260 4/28 4697 205 0 58 24 P 4343 4890 121 246 (33) 40 2105 246 Erdr HJ-50/Acià ion Acid 24 F 119 2654 26 6 lemerts: Cearan 15', ICL workover. Acoum. Prod. 1.107.270 Max Allow Unit _Water_60 besent Test: Oll... GOR 2299 .Gas. leasons for Remedial Work: To increase induction 35 GOFC injections welle since 1973. All four injection stroleum Engineering Recommendations and Procedure: 4-4 Ar College 4725 scale converter (amm. bicarb elman District Petroleum Engineer viewed and Approved By: District Division Geological Engineering W.B. Wh Asst, Supt Geological Sapt. Gen'l. Sapt. EDM 1-20-25 Approved ab-1-29-36 32 32 רפתרה <u>מערה</u> פת בנברה

12.49 [Literal 1000



Expense Type Workover

			•						(1167		(H) es-a
			ricci		LANDI.	al wo				F-	27
ase V	ACHUM GRAY	ZUDG SAN	AMODESU	HO Well No	n <u>43</u>		Date	4/26 Fork. In)	
ol Vacuu	IM GRAYDUP	or CAN AN	OPES C	ounty	<u>A</u>		State	NW			
depths Con	measured i	4/39' @	T. D. 4711	2I. P. O	_ft. from		i svel Water_	0	Gas	185	MCF
-	oy Hr			. Flow. Pre			0	Elevat	$\frac{390}{}$	12 K	3_DF
		DISC	ZIPTIC N	of pros	PECTIVE	OR PA	Y ZON	E5			
	or Type of		Top 4090	Base 4710	Ţ	DOFLERTT	Production	emarks	ENAL		
WORLD OF				en energia di	* ************************************						
											
			CAS	die on	LINER	ilcore	>				
				Seeks	Hole						
Size	Weight	Grade	Set At	Cement	Size		Peri.		Rem	arks	
35/B 51/2	28,00 14,00	LW EW	1486	300	10			CMT	CIRC CO	RSERVE	200
172	14.00	<u>- EW</u>	4090	.220	6 Y4	4090	- 4710				007.5

		COI	MPLETION	i and be	MEDIAL	WORK	RECOR	D			
Date	Production Oil Wat		e Hrs	Type Ar	Treatme mount	est From	To	Pr Oii	eduction Water		ifter Ers
14/39	THITIAL	COMPLETION	4 N	+TUDAL		4090	4710	261		707	6 F
127/71 31/74	51 0 80 8	- 137		30NEA RONHO 502. 4		4090 2460	4710	<u>87</u> 86	7	1955	24 F 24 P
28/86	401 6	341	<u>@</u>	M/UZNEA	2000	4100	4710	496	35	327	24 P
11-88			^{[2}	dlad 507 40	क्षाराम्य द	1505	CMT CRC	70 Sup	F		
marks:	120 H.P.	CENTRILIFT	2.3HOUH	SuB, PUMP	10 5 Pd						
				TIME	12 64B	- 1/2	1				
122/88		Sise		GasPn			7				
· <i>-</i> -	or Remedial	TTPanh.						•	,		
Market I	AT SAMETAMENT	, week.)	awocd 1	SEBRISED.	Mer	L (44)	, ωπ	. 1	~ ~ .	166 7	-po/000 Cu
lengs	Profesionia	e Desamme	udatlama av	id Procedurs	• •						
		_									
				AND TRU			 				
	-	• • • • • • • • • • • • • • • • • • • •		5 1/211 666				rest as	P, S101	<u> 25%, c</u>	AND, PO
		· · · · · · · · · · · · · · · · · · ·		JET SHOT (-0.5	*D>4-A	Elme	CHANNE
		•						NCE /	1,000	1,0011	
	CEMENT			Pot w/	PER AND	160.					
				Cacl AN	0.7500	CAC E	La- CBEV	12/ 70	DEE ST		CAPC CE
				93 QuA 3							
							DO SAS.	DOWN	CHRNN	- L	*
				RESQUEE TO PRODUCT			, 1	1	<u> </u>		
<u></u>	, - <u>413 FA</u>	171.59	B					Ils	ner		
	and Approv	red By:				Dį	strict Pe	troleum	Engine	er .	
District		·			Divisi	_	_				
	Supt				•	rincering ological					
Supt.						17. Supt.			1-11		
	4/26/88				4	pproved		7/1	M	_	
	4/26/88					ote)ate		4-29	88		
4/5	4/16/88						_				

#	W NV. II	tions of the	Mal Workove	r on the sub	ject weil	der termo		
,) . · · · · · · · · · · · · · · · · · ·	RECOM	MENDED S	il be) initi	ADUK	13/21	(In) Est	9-
	Caupula Son Ar		Well Na	46 WIL	✓_TX. ₩		100 %	
the mostly	3/12/73	T. D. 4/800	L. P. OIL		und level	a	226	
285	29		Piew. Proce OF PROCE	mt T. D	PAY ZON	_M+104600_ 86	4019 K/	·
or Type		Top	Bess	· /a · · · ·		marks		···
our Gar Wi	e can Andros	42/9	<u> </u>	Helent	Injection	- Hitelua I		سسيه
		CAS		LINER RECO				
Weigh		Set At	Sacks Coment	Hole Size	Perí.		Remarks	-
20 14	H-40 K-55	356 4800	300 500	12/4 278 4	1319-4617		0 3465 (6	
Product	CO for Took Befor	MPLITTON N		Treatment		Produ	etten Test	LFtgg
	Water COR	Z Z Z Z		xx /3/	9 4697		7 2225	241
74 56 92 52	24 825	24 F	ر <u>، ح</u>	139 " 1511 2 "	,, ,,	. <u>129</u> . <u>Ini</u> 3	7 1530 201 @ 0 F	2y
- :- :- :- :- :- :- :- :- :- :- :- :- :-	will be the	e fire wo	skover sind	e the ini-	tiotinal o	f dertia	r recover	
			<u> النوات التي ين سادل توطال السا</u>	7.3	C & 11C	4/0	7	,7
t Tuet: Oil.		2) 111		ann Prod.	l		Inject	7000.
and there	ehi reduce	To increase	e inject	opii 001	the subject from 19	ect well 2.9 to 16	Injec-	BWF 1:5
and there	wiisi Week:	To increase	e inject	opii 001	the subject from 19	ect well 2.9 to 16	Injec-	BWF 1:5
and then	ehi reduce esult in t	offset p	e injection	opicionaline J decline ME	the subject from 19	ect well 2.9 to 16	Injec-	BWF 1:5
and there will M	e hi reduce esult in t	offset phe secon	e injection	decline So ME	the subject from 19	ect well 2.9 to 16	Injec-	BWF 1:5
and there will re) Rufu 2) ToH	ehis reduce esult in the	offset phe recomposer,	ie injort	opii oor J decline 86 ME OP.	the subject of addition	ed well 1.9 to 16 1.3.Jal re	Injec-	swf fis
and there will re 1) Rufu 2) TOH 3) TIH	ebi reduce esult in the sult in the sult inject:	offset is he iscon	ie injordisportisport	decline Sto ME Sto. Lestine Lestine Action	the subject of additional change	ect well 1.9 to 16 1.5.Jal re	Injec-	RWF
and there will re Nofe Z) TOH TIH	e his reduce esult in the sold in the sold release whiniect: w/ 43/4" I w/ 43/4" I	offset is he iscon	ie injordis production per of install B install B 27/4" wor Set REP a	decline Ab ME Ar. Letine 4720:	the subject of additional classes of the subject of	ect well 1.9 to 16 1.5.Jal re	Injec-	RWF
and there will re Nofe Z) TOH TIH	ebi reduce esult in the sult in the sult inject:	offset is he iscon	ie injordis production per of install B install B 27/4" wor Set REP a	decline Ab ME Ar. Letine 4720:	the subject of additional classes of the subject of	ect well 1.9 to 16 1.5.Jal re	Injec-	RWA his and
and there will re Nofe Z) TOH TIH	e his reduce esult in the sold in the sold release whiniect: w/ 43/4" I w/ 43/4" I	offset is he iscon	ie injordis production per of install B install B 27/4" wor Set REP a	decline Ab ME Ar. Letine 4720:	the subject of additional classes of the subject of	ect well 1.9 to 16 1.5.Jal re	Injec-	RWF
and there will re 1) RUFU 2) TOH 3) TIH 4) TIH acins	e by reduce esult in the A release whinject: w/ 43/4" w/ KBP an incls. to	offset is he iscon	ie injordis production per of install B install B 27/4" wor Set REP a	decline Ab ME Ar. Letine 4720:	the subject of additional classes of the subject of	ect well 1.9 to 16 1.5.Jal re	Injec-	RWF
and there and there will re Norc J Rofe J ToH TIH acincs	e by reduce esult in the A release whinject: w/ 43/4" w/ KBP an incls. to	offset is he iscon	ie injordis production per of install B install B 27/4" wor Set REP a	Division	the subject of additional changes of additional changes of the subject of the sub	ect well 1.9 to 16 1.5.Jal re	Injec-	RWF
and there and there will re Note Total TIH ALINES	e by reduce esult in the A release whinject: w/ 43/4" w/ KBP an incls. to	offset is he iscon	ie injordis production per of install B install B 27/4" wor Set REP a	Division	the subject of additional changes of additional changes of the subject of the sub	ect well 1.9 to 16 1.5.Jal re	Injec-	RWF
and there and there will re Norc J Rofe J ToH TIH acincs	e by reduce esult in the A release whinject: w/ 43/4" w/ KBP an incls. to	offset is he iscon	ie injordis production per of install B install B 27/4" wor Set REP a	Division Control Co	the subject of additional changes of additional changes of the subject of the sub	ect well 1.9 to 16 1.5.Jal re	Injec-	RWF
and there and there and There is the control in the	e by reduce esult in the Include Remain Incl	packer, A PKr.	install B	Division Continue Contin	the subject of additional changes of additional changes of the subject of the sub	ect well 1.9 to 16 1.5.Jal re	Injec-	RWF
and there and there will re Norc J Rofe J ToH TIH acincs	e his reduce esult in the A release whinject: w/ 43/4" w/ KBP and incless to	packer, bit and luce and	install B	Division Control Co	the subject of additional descriptions of additional description descriptions of additional description descriptions of additional description descriptions of additional description d	ob. INCH ITX9	Injec-	RWF

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-103

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

OIL	CONSERVA	TION DIVI	SION
	D 0 D	2000	

	Reviews	1-1-1

WELL API NO.

NICTORY W	P.U. Box 208	1 .JU)-025-24364
DISTRICT II P.O. Drawer DD, Artesia, NM #8210	Santa Fe, New Mexico	87504-2088 ELL FILE 5. Is	adicate Type of Lease STATE X FEE
DISTRICT III 1000 Rio Bennos Rd., Azzec, NM 87410	.		STATE X FEE LAND OIL & Gas Lease No.
(DO NOT USE THIS FORM FOR PROPOSA DIFFERENT RESERVOIR	AND REPORTS ON WEL ALS TO DRILL OR TO DEEPEN L. USE "APPLICATION FOR PEI FOR SUCH PROPOSALS.)	OR PLUG BACK TO A 7. L	sase Name or Unit Agreement Name
1. Type of Well: Off. GAS WELL WELL WELL	ones Injec	Uni	uum Grayburg San Andres
2 Number Operator Texaco Producing Inc.	1 27 2 7	/el No.	
1. Address of Operator P.O. Box 730 4. Well Location	71.77.	l ·	ooi name or Wildon cuum Grayburg San Andres
Unit Letter H : 1455	est From The North	Line and1230	_ Fost From The EastLine
Section 2	ownship 18S Ra	age 34E NMPM DF, RKB, RT, GR, etc.)	Lea County
	4018 DF	 	
NOTICE OF INTENT	_	Nature of Notice, Report, SUBSEQ	, or Other Data UENT REPORT OF:
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON	CHANGE PLANS	COMMENCE DRILLING OPNS	PLUG AND ABANDONMENT
PULL OR ALTER CASING		CASING TEST AND CEMENT	JOB L
OTHER:		OTHER:	
12 Describe Proposed or Completed Operations (Control SEE RULE 1103. 6-25-90 the second SEE RULE 1103. 6-25-	TOH w/inj tbg —TI ate across perfs 43 x/2 JSPI @ 4412, 16 34, 49, 66, 69, 75 785 w/ 6000 gal 157 Min 1500, AIR 4 B okr laying down WS in to 500 psi. set	H w/4.75 bit — c/o 19 - 4697 TOH w/tbg , 53, 60, 65, 4510. , 79, 85. (24 int. NEFE in 3 stages w PM, TSIP 1400, 15 m - TIH w/inj pkr & t to inj.	to 4788 3 13, 17, 38, 45, 90, 97, 48 Holes) 7/3000 lbs rock salt &
hereby certify that the information above is true and on Richard D	minister to the best of my knowledge and b	eder. Engineering Tech	7-28-90
TRORPENTAME Richard DeSoto	III.	magneting recu	THESTHONE NO.
This space for State Use) ORIGINAL SIGNIES			

							Rev	ised 1-1-65
SANTA FE		NEW	MEXICÓ O	IL-CONSERV.	ATION CO	NAMES ON	1 -	cate Type of Lease
FILE'	i z					EPORT AND L	OG Stat	e K
`U.S.G.S.						LI OKI AND L	5. State	Oil & Gas Lease No.
LAND OFFICE								57-1
OPERATOR .					, `			
la. TYPE OF WELL		GAS					7, Unit VOC	Agreement Name LIM GRAYDURE Andres Unit
b. TYPE OF COMPLE	. WE		دلا ،	DRY L O	THER	WECTION	8. Farm	or Lease Name
MEN I WON	RK DEEP	EN PLU			THER			
PEXACO, TH	C.						9. Well	
P.O. BOX 71		a. New Mo	rteo	C6240			vacii San	andres
Location of Well	, ,,,,,,,,,	2) 1000 FAC	A A A A A	CCE TO			11111	
н		1425		Month.		% 32		
NIT LETTER	LOCATED	1330 FEET	FROM THE	1102.032	TITITI	TXTTTTT	ом 12. Cou	
HE LINE OF	sec. 2	IWF. 15-5 p.	34-F	NMPM	10 Flore	Hons (DE RKR R	T CP at all	No. Flow Cochimbons
3-24-73	4-1-73	i.	4-73	say to 1 rou.	4.70		1, OK, etc.)	4003
ASO)		ig Back T.D.	22. If M	Multiple Comp any	l., How	23. Intervals F Drilled By	otary Tools	Cable Tools
4. Producing Interval(s	s), of this comple	tion - Top, Botto	m, Name				<u> </u>	25. Was Directional Surve
								. No
6. Type Electric and C	ther Logs Run						2	7. Was Well Cored
8.		CA	SING RECOR	D (Report all :	strings set	in well)		
CASING SIZE	WEIGHT LB		H SET	HOLE SIZE		CEMENTING		AMOUNT PULLED
C 5/C	80	.55:		12 1/4	1	3.5 sx		
4 1/6	9.5	4500		1 1/5		9)) sx		
								
^		LINER RECORD 30.		20		ECODD		
		· · · · · · · · · · · · · · · · · · ·	SACKS CE	MENT SCI	DEEN			ECORD PACKED SET
9. SIZE	ТОР	BOTTOM	SACKS CE	MENT SCI	REEN	SIZE	DEPTH SET	
SIZE	ТОР	воттом			REEN			
SIZE	ТОР	воттом				SIZE D, SHOT, FRACTU	RE, CEMENT	PACKER SET.
SIZE	ТОР	воттом			ACil	SIZE D, SHOT, FRACTU	RE, CEMENT	PACKER SET.
SIZE 1. Perforation Record (93,445,62,69)	TOP (Interval, size ar	BOTTOM d number) 2 3 45				SIZE D, SHOT, FRACTU	RE, CEMENT	PACKER SET
SIZE 1. Perforation Record (93,445,62,69)	TOP (Interval, size ar	BOTTOM d number) 2 3 45			ACil	SIZE D, SHOT, FRACTU	RE, CEMENT	PACKER SET.
SIZE 1. Perforation Record (93,445,62,69)	TOP (Interval, size ar	BOTTOM d number) 2 3 45			ACil	SIZE D, SHOT, FRACTU	RE, CEMENT	PACKER SET.
SIZE 1. Perforation Record (93,4407,10,34,45,62,69) 0c. 77,4708	TOP (Interval, size ar	BOTTOM d number) 2 3 45			ACIE	SIZE D, SHOT, FRACTU	RE, CEMENT	SQUEEZE, ETC.
SIZE 11. Perforation Record (93,4477,10,34,45,62,69) 00,77,4708,	TOP (Interval, size ar 20,51,65) 175,69,9 19,29 &	BOTTOM d number) 2 3 45	3PI 64 00,15,2 ,32,30	PRODUCTION	ACIE	SIZE D, SHOT, FRACTU	RE, CEMENT	PACKER SET.
SIZE 1. Perforation Record (93, 4437, 10, 34, 45, 62, 69 06, 77, 4708) 3. enter First Production	TOP (Interval, size ar 20,51,65) 175,69,9 19,29 &	BOTTOM d gumber) 2 3 45, 5, 45 4, 452, 24	3PI 64 00,15,2 ,32,30	PRODUCTION t, pumping - S	ACIE	SIZE D, SHOT, FRACTU	RE, CEMENT	SQUEEZE, ETC.
SIZE 1. Perforation Record (93,447,15,34,45,62,69) 34,45,62,69 35. 3c. T7,4700, 3c. ate First Production	(Interval, size ar 20,51,65 1,75,69,9 19,29 &	BOTTOM Id number) 14.12.24 17.33 Unction Method (Flower Choke Size Calculated 2	owing, gas lif	PRODUCTION t, pumping — S	ACIE	SIZE D, SHOT, FRACTU FRVAL e pump)	RE, CEMENT	SQUEEZE, ETC. KIND MATERIAL HSED atus (Prod. or Shut-in)
SIZE 1. Perforation Record (93, 4437, 10, 34, 45, 62, 69) 3. 45, 62, 69 3. ate First Production ate of Test low Tubing Press.	Prod Hours Tested Casing Pressu	BOTTOM Id number) 15-5-45 14739 uction Method (Flo	owing, gas lif	PRODUCTION t, pumping — S	ACIE	SIZE D, SHOT, FRACTU ERVAL e pump) Gas — MCF	Well St.	SQUEEZE, ETC. KIND MATERIAL USED atus (Prod. or Shut-in) Gas-Oil Ratio Oil Gravity - API (Corr.)
SIZE 11. Perforation Record (93,4457,15,34,45,62,69) 13. Associate First Production Date of Test Plow Tubing Press.	Prod Hours Tested Casing Pressu	BOTTOM Id number) 15-5-45 14739 uction Method (Flo	owing, gas lif	PRODUCTION t, pumping — S	ACIE	SIZE D, SHOT, FRACTU ERVAL e pump) Gas — MCF	RE, CEMENT	SQUEEZE, ETC. KIND MATERIAL USED atus (Prod. or Shut-in) Gas-Oil Ratio Oil Gravity - API (Corr.)
SIZE 11. Perforation Record (93,4437,10,34,45,62,69) (C,77,4706). 13. Date First Production Date of Test Flow Tubing Press. 14. Disposition of Gas (19,40) (C,40) (C,4	Prod Hours Tested Casing Pressu	BOTTOM Id number) 15-5-45 14739 uction Method (Flo	owing, gas lif	PRODUCTION t, pumping — S	ACIE	SIZE D, SHOT, FRACTU ERVAL e pump) Gas — MCF	Well St.	SQUEEZE, ETC. KIND MATERIAL USED atus (Prod. or Shut-in) Gas-Oil Ratio Oil Gravity - API (Corr.)
SIZE 11. Perforation Record (93, 4457, 10, 34, 45, 62, 69, 60, 77, 47, 47, 47, 47, 47, 47, 47, 47, 47	Prod Hours Tested Casing Pressu	BOTTOM Id number) 1. 1. 2. 24 4. 7. 3. 4. 5 Unction Method (Flow Choke Size Calculated 2 Hour Rate el, vented, etc.)	prod'n. F Test Per.	PRODUCTION t, pumping = S or Oil = E	ACIE EPTH INTI N ize and typ Bbl. GS - MCF	SIZE D, SHOT, FRACTU ERVAL e pump) Gas — MCF Water — E	Well St. Water — Bbl. Test Witnesse	SQUEEZE, ETC. KIND MATERIAL JISED atus (Prod. or Shut-in) Gas—Oil Ratio Oil Gravity — API (Corr.)
11. Perforation Record (93, 4437, 10, 34, 45, 62, 69	Prod Hours Tested Casing Pressu	BOTTOM Id number) 1. 1. 2. 24 4. 7. 3. 4. 5 Unction Method (Flow Choke Size Calculated 2 Hour Rate el, vented, etc.)	prod'n. F Test Per.	PRODUCTION t, pumping = S or Oil = E	ACIE EPTH INTI N ize and typ Bbl. GS - MCF	SIZE D, SHOT, FRACTU ERVAL e pump) Gas — MCF Water — E	Well St. Water — Bbl. Test Witnesse	SQUEEZE, ETC. KIND MATERIAL USED atus (Prod. or Shut-in) Gas-Oil Ratio Oil Gravity - API (Corr.)
SIZE 1. Perforation Record (93, 44, 71, 10, 34, 45, 62, 69) 3. 45, 62, 69 3. Andre First Production Date of Test Clow Tubing Press. 4. Disposition of Gas (15, List of Attachments)	Prod Hours Tested Casing Pressu	BOTTOM Id number) 1. 1. 2. 24 4. 7. 3. 4. 5 Unction Method (Flow Choke Size Calculated 2 Hour Rate el, vented, etc.)	prod'n. F Test Per.	PRODUCTION t, pumping = S for Oil = E lod m is true and g	ACIE EPTH INTI N ize and typ Bbl. GS - MCF	SIZE D, SHOT, FRACTU ERVAL e pump) Gas — MCF Water — E	Well St. Water — Bbl. Test Witnesse	SQUEEZE, ETC. KIND MATERIAL JISED atus (Prod. or Shut-in) Gas—Oil Ratio Oil Gravity — API (Corr.)

Submit 3 Copies b:-Appropriater District Office	Energy, Minerals and Natural Resources Departmen	Form C-103 Revised 1-1-89
DISTRICT I P.O. Box 1980, Hobbs, NM 88240	OIL CONSERVATION DIVISION P.O. Box 2088	WELL AFI NO. 30-025-24365
DISTRICT II P.O. Drawer DD, Arasia, NM \$8210	Santa Fe, New Mexico 87504-2088	5. Indicate Type of Lease STATE K FEE
DISTRICT III 1000 Rio Brazos R4., Aziac, NM 87410	WELL FILE	6. State Oil & Gas Lesse No. B-867-1
OO NOT USE THIS FORM FOR PROPERTY BESSEL	ICES AND REPORTS ON WELLS OPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A RIVOIR. USE "APPLICATION FOR PERMIT" -101) FOR SUCH PROPOSALS.) OTHER Injection	
Name of Operator		8. Well No.
Texaco Producing Inc		9. Pool same or Wildoxt
P.O. Box 730	las non	Vacuum Grayburg San Andres
4. Well Location Unit Letter H : 1	330 Feet From Tax North Line and	}
Section 2	Towaship 18S Range 34 54E- 10. Elevation (Show weather DF, RKB, RT, GR, etc.) 4003 GR	- NMPM Lea County
	Appropriate Box to Indicate Nature of Notice,	•
NOTICE OF INT	TENTION TO:	JBSEQUENT REPORT OF:
ERFORM REMEDIAL WORK	PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
EMPORARILY ABANDON ULL OR ALTER CASING	CHANGE PLANS COMMENCE DRILL CASING TEST AND	
THER:	OTHER:	
12. Describe Proposed or Completed Opera	nices (Clearly state all pertinent details, and give pertinent dates, in	icluding estimated date of starting any proposed
. Spot 300 gal 47 NA Pe	o thru 6-25-90 w - NV BOP - TOH w/tbg & pkr - TIH v erborate across perfs 4361 - 4739 TO guns found tight spot @ 1075'	
. Swage csg @ 1075 - gt . TIH w/RBP set @ 1547	uns well not go - TIH w/pkr set @ 15 - repair wellhead - NV BOP - TIH w/	
. RV WL - perf 4.5 csg 46, 4712 (16 mt. 32	w/2 JSPI @ 4403,12, 20, 34, 46, 55, holes)	, 96,4512,25,50,58, 81, 85,4616
. Acidize perfs 4361 -	4739 w/6000 gal 15% NEFE in 3 stage	
	Nin 800 AIR 4 BPM, ISIP 900 15min 6	
30 min	pkr & tbg - circ hole w/pkr fld set	pkr (4280 test csg to 1997)
		AUG 1990
Prior 314 BWPD @ B20 I hereby certify that the information above in tree		i HELEIVEN
Richard	11.9-1	ng Technician PATE X 28-90
SIGNATURE		

Richard DeSoto TYPE OR PROVI HAVE ORIGINAL SIGNED BY JERRY SEXTON

DISTRICT I SUPERVISOR

AUG - 9 1990

Expense Dy = 10 minutes | 120

		Form PO-90(
	REMEDIAL WORK	23. 000 000 . ,
Pase Vacuum Graybura San Andres Unit Pool Vacuum Graybura San Andres Unit Con All depths measured from KB or 11 TX. Comp. Date 1-8-73 @ T.D. 4800 I.1 GOR 2296 Hrs. 24 Pump. Flow. Pres	Well No. 48 wiw T	Tx. Work Int. 100%
111 depths measured from KB or 11	ft. from grou	and level.
GOR 2296 Hrs. 24 Pump. Flow. Pres	e. 011 <u>-2/6</u> wate sent T.D.<u>47</u>88	FF Elevation 4005 KB
DESCRIPTION OF PRO		
Name or Type of Zone Top	Base	Remarks
Vacuum Grayburg Son Andres 4280	4730 Present	Injection Interval
CASING A	ND LINER RECORD	
Sacks Size Weight Grade Set At Cement		Remarks
85/8 20 H-40 355 300 51/2 14 K-55 4800 500	11 3/4 7 7/8 4280-473	Cont Circ. Cobserved)
* Perfs (2 TSPF): 4280, 84 43, 4301, 10, 14, 27, 33, 2 4506, 28, 36, 42, 66, 94, 81, 4646, 59, 2	15,50,56,67,72,89,	HHOR, 10, 38, 45, 75, 80,90, 96
4506, 26, 36, 42, 66, 74, 81, 4646, 59, 2 COMPLETION AND	82, 78, 88, 4705, 13 REMEDIAL WORK RE	, 19, & 4730. (38 intervals) CORD
Production Test Before		
Date Oil Water GOR Hrs Type		
2-8-73 Initial - Completion 20% NEFE H-27-74 82 0 NA 2412 Emulsifrace 1-26-83 Convert to Injection 15% NEFE	20/28 H389 H73	0 162 18 1987 24P
8-23-87 In 240 @ 750 psi 15% Gelled NE	9000 4280 473	•
Remarks:		
Present Allow Press. 875 Max. Allow Ress.		•
Present Test: 62 Water@ 875	GasGOR	Hrs. 24 Pump. Plow
Choke SizePress	ure 7	Tha Pressure
Reasons for Remedial Work: Clean - out a		_
water injection	na Clivovia e	CD WELLER CADE
-		
Petroleum Engineering Recommendations and	nd Procedure:	
	See A	Hached
•	,	
Reviewed and Approved By:	District	Petroleum Engineer
District Geological	Division	
Asst. Dist. Mgr	Geological	
Dist. Manager	Gen'l. Supt	
CASH MOH TOTAL TEXACO	1	
Eige 25 100	Date	
INV.	PROD. INC:	TX. \$

SIGNED

TITLE ABSt. Dist. Supt. DATE 2-16-73

	1				:	B-37
Vacuum Grayburg SA Unit //-3-2 (EXP)	49	11-29-76	8-5/8" @ 358 4-1/2" liner @ 4373-4731	RU Well Units 11-29-76. Pld inj tbg & pkr. Western Co. ran E-Z Drill cmt rtnr on wireline set in 4-1/2" csg @ 4175'. Perf 4-1/2" csg w/ spiral gum @ h065-4067 (6 shots). Job comp 4:30 p.m. 11-29-76. Prep to run tbg & pkr to tst perf. No. of Days: Cash: Est: 13 Est: \$22,000 Comm: 1 Corm: \$ 2,000		1400 1788 PB
Valum Grayburg SA Unit /2-/ (EXP)	49	11-29-76	8-5/8" @ 358 4-1/2" liner @ 4373-4731	Set pkr 4035'. P/into perfs 4065-4067'. Would not break dn. Pushed pkr dn 1 jt. Load bkside. Spt 200 gals 15% HCl acid. Pld up, set pkr @ 4035. Could not pmp into perfs. Moved bk dn, P/l bbl. Pld up, set pkr. P/into perfs. Max press 2500%, broke bk to 1600%. P/1/2 BPM @ 1600%, 2 BPM @ 1900%. P/10 BFW. ISIP 1600%, 15 min SIP 600%. Load 74 BFW. Unseat pkr. P/dn bkside. RU. S/31 bbls fluid in 2 hrs. No. of Days: Cash: Est: \$22,000 Comm: 2 Comm: \$ 3,400	4°00 4788 PB	1:800 1:788 PB
Vacuum Grayburg SA Unit /2 - 2 (EXP)	49	11-29-76	8-5/8" @ 358 4-1/2" liner @ 4373-4731	S/2 hrs, 70 BLM. S/dry. FL h030' FS. Prep to bull the & bkr. No. of Days: Cash: Est: 13 Est: \$22,000 Comm: 3 Comm: \$ h,000	4800 4788 PR	11800 11788 FB
Vacuum Grayburg SA Unit /2 -2 (EXP)	49	11-29-76	8-5/8" @ 358 4-1/2" liner @ 4373-4731	Pld tbg & pkr. Ran stinger on tbg/Stung into rtnr. Fet to inj. No. of Days: Cash: Est: 13 Est: \$22,000 Corm: 4 Corm: \$ 5,000	1800 1783 PB	11800 14788 PB

ENERGY AND WARRALS DEPARTMENT	
P. O. BOX 2086	Form C-103 Revised 10-1
SANTA FE, NEW MEXICO 87501	
U.S.G.S.	Sa. Indicate Type of Lesse State X Fee
OPERATOR	5, State Oti & Gas Lease No.
	B-1080-1
SUNDRY NOTICES AND REPORTS ON WELLS 120 NOT - SE THIS FORM FOR PROPOSALS TO PRILL OR TO DECERN OR PLUS SEE TO A DIFFERENT RESERVOIR.	
well orner Injection Well	Vacuum Grayburg San Andres Unit
Texaco Inc.	6. Farm or Lease Hame
3. Address c: Derator	9. Well No.
P. O. Box 728, Hobbs, NM 88240	10. Field and Pool, or Vildeat
UNIT LETTED F 1390 PEET FROM THE N LINE AND 2580 PEET PROM	Vacuum Gravburg San
West Line RESTION # / TOWNSHIP 18S RONGE 34E	
15. Elevation (Show whether UF, RT, GR, etc.) 3991 GR	Lea
Check Appropriate Box To Indicate Nature of Notice, Report or Oth	·
NOTICE OF INTENTION TO: SUBSEQUENT	the contract of the contract o
PERFORM REWES AL WORK PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
TEMPORABILY ASSOCIATION COMMENCE DRILLING OPHS.	PLUG AND ABANDONMENT
PULL OR ALTES : SINC CHANGE PLANS CASING TEST AND CEMENT JOB	
OTHER	
OTHER	
17. Describe Friconed or Completed Operations (Clearly state all pertinent dessits, and give pertinent dates, including work) SEE FULE 1603.	estimated date of starting any proposi
1) Rig up. Install BOP, pull packer & 2 3/8 tubing.	
2) Cleanout to 4778 with 3 7/8" bit.	
3) Perforated 4½" csg w/l JSPF from 4284-4360.	
4) Acidized pers w/8000 gals 15% NEFE in 3 stages w/4000 lb rocksalt betw Max psi 2000, min 1200, air 5.5 BPM. ISIP 200.	meen stages.
5) TIH w/4½ Baker loc set to 4153, load backside w/pkr fluid, set and tes	sted to 500 lbs.
6) Return to inj. Rate 480 BPD @ 700 psi.	
·	
•.	·
18. I hereby cer - that the information above is true and complete to the best of my knowledge and belief.	3
• HENCO AW Downing THE District Admin. Supervisor	DATE 03/07/86
ORIGINAL SIGNED BY JERRY SEXTON	MAR 1 4 1986
DISTRICT I SUPERVISOR	DIAL WALL T A 100

DISTRIBUTION							عدا	R	evised -1-1-65
SANTA FE		MEW NEW	NEVICÓ (NI -CON	ISERVATION	I COMMIS) ,	5a. In	dicate Type of Lease
FILE		WELL COMPL					T AND	LOG St	ate X Fee
U.S.G.S.	•		_ ,,,,,,,			11,12, 0,1		S. Sta	te Oil & Gas Lease No.
LAND OFFICE								. B.	-1733-1
OPERATOR						•			
la. TYPE OF WELL								7. ₩2	culli Grayburg
b. TYPE OF COMPLE		LL X WELL		DRY	OTHER_			Sa	n Andres Unit
NEW 1 2 WOT OVE		PŁUG BACK	011	rr. 🗀				° Va	icuum Trayburg
2. Namesof Operator	R DEEP	ENL_1 BACK	L_I RE	SVR.	OTHER			9. We	n Andres Unit
TEXACO Inc.	•							50	_
P. O. Box 728: Hobbs, New Mexico 88240							10 V E	Vacuum Grayburg San Andres	
4. Location of Well							·	111	
UNIT LETTER G	LOCATED	1330	ROM THE	Nort	h LINE AND	1330	FEET		
THE East LINE OF	sec. 1	TWP. 18-8 RG	E. 34	-Еммрм				12. Co	ea ())
15. Date Spudded	16. Date T.D. i	headled 17. Date	Compl. (Re	eady to P	rod.) 18. E			RT, GR, etc.) 19. Elev. Cashinghead
2-19-73	3-4-7	g Back T.D.	3-8-73		e Compl., Hov	3990		Batan Table	39901
48001	. ,	47881	,	Many		Dr	illed By	48001	
24. Producing Intervalle	of this comple	8. 4402.	28. 3:	3. 40	. 48. 7	3. 80	94.	4503.	25. Was Directional Surve:
2 JSPI @ 438		47, 56, 6	3, 80,	92,	95, 46	75, 8	90	4703,	
26. Type Electric and Compensated	-	Log							27. Was Well Cored Yes
28.	110401 011		SING RECO	RD (Repo	ort all strings	set in well			169
CASING SIZE	WEIGHT LB.				ESIZE			RECORD	AMOUNT PULLED
8 5/8"	20		54'	12	Ţ.,		300		
	14	48	00	<u> </u>	7/8"		500	BX.	
29.		LINER RECORD				30.	·····	TUBING	RECORD
SIZE	ТОР			EMENT	ENT SCREEN		SIZE D		PACKER SET
						2 7	/8"	4776	
			CDT 6	<u>_</u>	T::				
31. Perforation Record (4389, 94, 98				73	 	NTERVAL	, FRACT		IT SQUEEZE, ETC.
80, 94, 4503	21, 25	30, 36,	41.4	17,	4389-4		-	8000 g	
56, 63, 80,	92, 95,	4675, 82,	90, 4	703,					
33, & 4743.				•					
33.				PPODI	UCTION	.,		 	<u></u>
<u> </u>			wing, gas l		ing - Size and	type pump)	Well	Status (Prod. or Shut-in)
Date First Production	Prod	uction Method (Flo						1	Dood
3-8=73	1 .	umping							Prod.
! <u>~</u>	1 .		Prod'n. Test Pe		он – вы. 213	Gas —	мсғ 195	Water - Bb	
3-8=73 Date of Test	P Hours Tested	Choke Size	Test Pe	bl.	213 Gas - M	CF	195 Water =	Вы.	Gas—Oil Ratio 2325 Oil Gravity — API (Corr.)
3-8=73 Date of Test 3-12-73	Howrs Tested 24 Casing Pressur	Choke Size Calculated 2. How Rate	Test Pe	bl.	213	CF	195 Water =	13	Gas - Oil Ratio 2325 Oil Gravity - API (Corr.) 36
3-8=73 Date of Test 3-12-73 Flow Tubing Press. - 34. Disposition of Gas (Sold - TEXAC	Hours Tested 24 Casing Pressur Sold, used for fu	Choke Size Calculated 2. How Rate	Test Pe	bl.	213 Gas - M	CF	195 Water =	Bbl. 13 Test Witnes	Gas - Oil Ratio 2325 Oil Gravity - API (Corr.) 36
3-8=73 Date of Test 3-12-73 Flow Tubing Press 34. Disposition of Gas (Hours Tested 24 Casing Pressur Sold, used for fu	Choke Size Calculated 2. How Rate	Test Pe	bl.	213 Gas - M	CF	195 Water =	Bbl. 13 Test Witnes	Gas—Oil Ratio 2325 Oil Gravity — API (Corr.) 36 Ised By
3-8=73 Date of Test 3-12-73 Flow Tubing Press. 34. Disposition of Gas (Sold - TEXAC 35. List of Attachments	Howrs Tested 24 Casing Pressur Sold, used for fu O Inc.	Choke Size Calculated 2-Hour Rate el, vented, etc.)	Test Pe	bl.	213 Gas - M 49	CF 5	195 Water –	Bbl. 13 Test Witnes A. J.	Gas—Oil Ratio 2325 Oil Gravity — API (Corr.) 36 sed By Gernandt
3-8=73 Date of Test 3-12-73 Flow Tubing Press. - 34. Disposition of Gas (Sold - TEXAC	Howrs Tested 24 Casing Pressur Sold, used for fu O Inc.	Choke Size Calculated 2-Hour Rate el, vented, etc.)	Test Pe	bl.	213 Gas - M 49	CF 5	Water -	Bbl. 13 Test Witnes A. J.	Gas—Oil Ratio 2325 Oil Gravity — API (Corr.) 36 Ised By Gernandt

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVIS DISTRIBUTION P. O. BOX 2088 Form C-103 . Revised 10-1-71 SANTA FE, NEW MEXICO 87501 BANTA FE FILE 5a. Indicate Type of Lease U.S.G.S. State XX LAND OFFICE 5. State Oil & Gas Lease No. DPERATOR SUNDRY NOTICES AND REPORTS ON WELLS (DO HOY USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A C USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSA Vacuum Grayburg Sir X San Andres Unit 2. Name of Operator Vacuum Grayburg San Andres Unit TEXACO Inc 3. Address of Operator 9. Well No. 50 Hobbs, New Mexico 88240 P. 0, Box 728, Vacuum Grayburg San Andres 4. Location of Well 1330 1330 PEET FROM North UNIT LETTER _ 18-S 15. Elevation (Show whether DF. RT. GR. etc.) 12. County 3990' (GR) Lea Check Appropriate Box To Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: ORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK ALTERING CASING COMMENCE DRILLING OPHS PORARILY ABANDON PLUG AND ABANDONMEN CASING TEST AND CEMENT JOS CHANGE PLANS Convert to Water Injection 17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed Rig up. Pulled rods & pump. Checked TD W/tubing. Washed perfs. 4389'-4743' W/500 gals. 15% NE Acid. Flush well. Pulled tubing. Ran 2 3/8" OD plastic coated tubing W/pkr. Set pkr. @ 4344'. Load Annulus W/inhibited water. Convert to water injection, 4-11-83. 18. I hereby certify that the information above is true and complete to the best of my knowledge and belief. Asst. Dist. Mgr. ORIGINAL SIGNED BY JERRY SEXTON

DISTRICT I SUPERVISOR

/NI	STATE OF NEW MI	-		J
	**. 19.00 10 *1111110	T		
	CITE SUTION			
	TANTA FE	1		
	FILE	1.		
	U.S.G.S.	\mathbf{I}_{-}		
	LAND OFF CE	\mathbb{J}_{-}		
			$\overline{}$	

ONDITIONS OF APPROVAL, IF ANYI

L CONSERVATION DIVISION P. O. BOX 2088 SANTA FE, NEW MEXICO 87501

Form C-103 - Revised 10-1-78

SANTA FE, NEW MEXICO 87501	
V.S.C.S.	Sa. Indicate Type of Lease
LAND OFF CE	State K Fee
OPERATCO CONTRACTOR OF THE PROPERTY OF THE PRO	5. State Oli & Gas Lease No.
CHARDY MATICES AND DEPOSTS A MEDIA	N111133
SUNDRY NOTICES AND REPORTS ON WELLS	
USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR 1.:- PROPOSALS.)	
1.	7. Unit Agreement Hame
well other Injection Well	Yacum Grayburg San Andres Unit
2. Name of Contrar	8. Farm or Lease Hame
Texaco Inc.	
3. Address c: Derator	9. Well No.
P. O. Box 728, Hobbs, NM	50
4. Location :: ••.1	10, Field and Pool, or Wildcat
•	
UNIT LETTE G 1330 FEET FROM THE N LINE AND 1330 FEET	Vacuum Grayburg San
	(
THE Fast LINE, SECTION 1 TOWNSHIP 185 MANCE 34F	MMPM.
15. Elevation (Show whether DF, RT, GR, etc.)	12. County
4003' KB	Iea
16	
Check Appropriate Box To Indicate Nature of Notice, Report of	
NOTICE OF INTENTION TO: SUBSEQ	UENT REPORT OF:
	_
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
TEMPORARILY ASSESSOR	. PLUG AND ABANDONMENT
PULL OR ALTER SASING CHANGE PLANS CASING TEST AND CEMENT JOB	
OTHER	
	· ·
VINER	
17. Describe Frazosed or Completed Operations (Clearly state all pertinent dessils, and give pertinent dates, inc work) SEE FULE 1103.	luding estimated date of starting any proposed
1) mt m m t 11 mon w 11 w to w 1 0 0 /0 1 1/2 /	
1) Rig Up. Install BOP, pull packer and 2 3/8 tubing.	
2) Cleanout to 4763' with 4 3/4 bit.	
3) Perforated 5 1/2 casg w/l JSPF from 4320-4358.	
4) Acidized perfs with 8000 gals 15% NEFE in three stages with 2500	lb rocksalt between stages.
Max PSI 2100, min 1400. AIR 5.2 BPM, ISIP 1000.	
5) TIH w/5 1/2 Baker loc set to 4270', load backside w/pkr fluid, se	t and tested to 500#.
6) Return to injection. Rate 336 BPD @ 250 psi.	
o, lecturi to injection. Rate 550 Mb (250 par.	
•	
•	
	`
·	
	,
8. I hereby sense that the information above is true and complete to the best of my knowledge and belief.	
16460 All Downing Time District Admin. Supervis	or 03/06/86
	03/00/00
ORIGINAL SIGNED BY JERRY SEXTON	
DISTRICT I SUPERVISOR	MAR 1 4 1986
PROVED BY	DATE WIFIN 1 1 1000

		s San Andse		Well ounty		Date/ Tx. Work. State//ew	Int	(1/6) Est.	
11 depths	measured	fromK	8or_	12	_ft. fro	om ground le	vel.		•
x. Comp. D OR754		/39 6				D. 47/0	ter <u>o</u> Elev	Gas <u>/24</u> /ation <u>402</u>	MCI ≥ K(1
		ne				R PAY ZONES			
Name or	Type of	Zone		Bottom	CCITYL OF	Remarks			
	•		•		ρ_{α}		/.	/	
vacuum o	rayburg se	in Hadies			TiPse	nt Completio	N ANTErug		
			CAS	ING AND L	INER RECO	ORD			
Si	خوان ا	Consider		Sacks	Hole	Done	0		
	Weight	Grade	Set At	Cement	Size	Perf.	,	marks	1
85/8	28.0 # 17.0	LW SMLS	<u> 1596</u> 4(7)	300 250	NA 6 3/4			Cobserved	<u>/</u>
					43/4	open Hole	4171-4		
_		.		on and rem			.		â.
ite 01	1 Wat		_	ype Am	Treatmen ount	nt From To		ion Test Af ter GOR	ter Hrs
	<u>aital C</u>	mple-lion		latusul		<u>4771 4710</u> 4771 4710	164 0		6F 24P
1/18/72 3	33 0		24 6	OF 3	0/30	4/7/ 4710	/03 _ ≤	1670	248
2/10/80 _ 8	<u>05</u>	6 988	24 Brd	nHd Sgz S	90 Sx5	/62/ -	_/35	7988	ZYA
resent All	ow <u>524</u> t: 011_	/ <u>Max</u>	c Allow	Unit Gas	Accum. Pr	rod. 1.3 mm	30as o	f <u> 5/8?</u> Pump ##	
resent Alloresent Tes Equipment easons for Subject u	owszy et: 0i1 :Lufk; • Remedia	Max 164 Wate 16400: 11 Work: Is	Allow er_297 -305-168, / is second	Unit Gas 2'4" pum moneraled 1 production	Accum. Proposition of the classic of	rod. 13 MMA OR 427 Stk. 9.2 SPA out, Scale Co 15 BOPD 90	Hrs 24 M; 912 Bl Muest and	Pump acidize the decl.	tire 14
resent Alloresent Tes Equipment easons for Subject a	ow	Max. Mate Mate Mate Mark: Is ander to 242	er_297 -305-168, is second increase . This	Gas 2 14" pum mented 1 production will fayour	Accum. Pro 70 Go	rod. 1.3 MM M OR 427 Stk. 9.2 SP out, Scale co	Hrs 24 M; 912 Bl Muest and	Pump acidize the decl.	Tire 14
resent Alloresent Tes Equipment easons for Subject a Tate from etroleum E	owszy it: 0i1 :	Maximum Maximu	er_297 -305-168 / is recommendations	Gas 244" pum mended 1 production will fayout and Proce	Accum. Proposed for the change dure:	rod. 1.3 MMA OR 427 Stk. 9.2 SPA Out, Scale Co 15 BORD 90 'nuestment	Hrs 24 M; 912 Bl Muest and Jeduce	Pump acidize the decl.	tire 14
resent Alloresent Tes Equipment easons for Subject us Fate From etroleum E	owszy it: 0i1 :; Remedia cve// in ingineeri	Maximum Maximu	er 297 -305-168 / is recommended in crease This conditions stall Bo	Gas 2'4" pum mended 1 production will fayout and Proce P. Pull f	Accum. Production of the induced of	rod. 13 MMA OR 427 Stk. 9.2 SPA Out, Scale Co 15 BOPD 90 'nuestment	Hrs 24 M; 912 Bl Neest and Jedine	Pump == Pump == acidize the declination of months.	Tire 14
resent Alloresent Tes Equipment easons for Subject us Fate From etroleum E	owszy it: 0i1 :; Remedia cve// in ingineeri	Maximum Maximu	er 297 -305-168 / is recommended in crease This conditions stall Bo	Gas 2'4" pum mended 1 production will fayout and Proce P. Pull f	Accum. Production of the induced of	rod. 1.3 MMA OR 427 Stk. 9.2 SPA Out, Scale Co 15 BORD 90 'nuestment	Hrs 24 M; 912 Bl Neest and Jedine	Pump == Pump == acidize the declination of months.	live Ne
resent Alloresent Tes Equipment easons for Subject a Tate from etroleum E 1) Ric up 2) Go in	owszy it: 0i1 :	Maximum Maximu	Allow	Gas 244" pum mended 1 production will fayout and Proce P. Pull for collars an	Accum. Production of the induced of	rod. 13 MMA OR 427 Stk. 9.2 SPA Out, Scale Co 15 BOPD 90 'nuestment	Hrs 24 M; 912 Bl Neest and Jedine	Pump == Pump == acidize the declination of months.	live Ne
resent Alloresent Tes Equipment easons for Subject a Tate from etroleum E 1) Ric up 2) fo in a circulate	owszy	Maximum Maximu	er_297 -305-168, / is reconsisted to see the	Unit Gas 2'4" pum mented 1 production will fayout and Proce p. pull for collars and hole.	Accum. Proposed for the interest of 27/2"	rod. 13 MMA OR 427 Stk. 9.2 SPA Out, Scale Co 15 BOPD and Investment on equipm Lubing Ch	Hrs 24 M; 912 Bl Movert and Jedore	Pump single of sold of	die
resent Alloresent Tes Equipment easons for Subject us Fate from etroleum E 1) Ric up 2) Go in circulate 3) Go in	owszy it: 0i1 : Lufk; Remedia well in a ingineeri pulling hale wi hale wi hale w	Maximum Maxim	er_297 -305-168 / is reconstructed se increase increase this condations stall Bo lit, Irill packer condactions	Unit Gas 2'4" pum mented 1 production will fayout and Proce p pull for collars and hole. with 10	Accum. Production of 21/2"	rod. 13 MMA OR 427 Stk. 9.2 SPA Style Co 15 BOPD 90 Nove stonent Sold equipm Lubing. Ch	Hrs 24 M; 912 Bi Might gald Jedine Lean not +	Pump acidize the decl. A months.	die
resent Alloresent Tes Equipment easons for Subject us Fate from etroleum E 1) Ric up 2) Go in circulate 3) Go in	owszy it: 0i1 : Lufk; Remedia well in a ingineeri pulling hale wi hale wi hale w	Maximum Maximu	er_297 -305-168 / is reconstructed se increase increase this condations stall Bo lit, Irill packer condactions	Unit Gas 2'4" pum mented 1 production will fayout and Proce p pull for collars and hole. with 10	Accum. Production of 21/2"	rod. 13 MMA OR 427 Stk. 9.2 SPA Style Co 15 BOPD 90 Nove stonent Sold equipm Lubing. Ch	Hrs 24 M; 912 Bl Movert and Jedore	Pump acidize the decl. A months.	die
resent Alloresent Tes Equipment easons for Subject us Fate from etroleum E 1) Ric up 2) Go in circulate 3) Go in	owszy it: 0i1 : Lufk; Remedia well in a ingineeri pulling hale wi hale wi hale w	Maximum Maxim	er_297 -305-168 / is reconstructed se increase increase this condations stall Bo lit, Irill packer condactions	Unit Gas 2'4" pum mented 1 production will fayout and Proce p pull for collars and hole. with 10	Accum. Production of 21/2"	rod. 13 MMG OR 427 Stk. 9.2 SP Out, Scale Co 15 BOPD and Avestment on equipm Lubing Ch of tailpipe	Hrs 24 M; 912 Bl Medice in ent. Spot 6	Pump acidize the decl. M months.	die
resent Alloresent Tes Equipment easons for Subject w Tate from etroleum E 1) Ric up 2) Go in Circulate 3) Go in Scale con eviewed an	it: 0i1	Maximum Maxim	er_297 -305-168 / is reconstructed se increase increase this condations stall Bo lit, Irill packer condactions	Unit Gas 2'4" pum mented 1 production will fayout and Proce p pull for collars and hole. with 10	Accum. Production Accum. Produc	rod. 13 MMA OR 427 Stk. 9.2 SPA Out, Scale Co 15 BORD and Nuestment On equipm Lubing. Ch Of tailpipe I per gal a	Hrs 24 M; 912 Bl Medice in ent. Spot 6	Pump acidize the decl. M months.	lie
resent Alleresent Tes Equipment easons for Subject us Fate from etroleum E 1) Ric up 2) fo in Circulate 3) Go in Scale con eviewed an istrict	it: 0i1	Maximum Maxim	er_297 -305-168 / is reconstructed se increase increase this condations stall Bo lit, Irill packer condactions	Unit Gas 2'4" pum mented 1 production will fayout and Proce p pull for collars and hole. with 10	Accum. Production of the individual of the indiv	rod. 13 MMA OR 427 Stk. 9.2 SPA Suf, Scale Co 15 BOPD 90 Investment Aubing. Ch District Pe ision	Hrs 24 n; 912 Bl nvert and d reduce in sport 6 of fresh) troleum En	Pump acidize the decl. M months.	lie
resent Alleresent Tes Equipment easons for Subject w Tate from etroleum E 1) fix up 2) fo in Circulate 3) fo in Scale con eviewed an istrict Geologica Asst. Sup	it: 0il; Lufk; Remedia well in a ingineeri by fulling hole wi hole w nverter and Approve and Ap	Maximum Maxim	er_297 -305-168 / is reconstructed se increase increase this condations stall Bo lit, Irill packer condactions	Unit Gas 2'4" pum mented 1 production will fayout and Proce p pull for collars and hole. with 10	Accum. Production of the individual distribution of the indivi	rod. 13 MMA OR 427 Stk. 9.2 SPA Out, Scale Co IS BORD 9A Avestment Avestment District Pe ision Engineering Geological Geological	Hrs 24 n; 912 Bl nvert and d reduce in sport 6 of fresh) troleum En	Pump acidize the decl. M months.	die
resent Alleresent Tes Equipment easons for Subject w Tate from etroleum E 1) fix up 2) fro in Circulate 3) fo in Scale con eviewed an istrict Geologica Asst. Sup Supt.	it: 0il	Maximum Maxim	er_297 -305-168 / is reconstructed se increase increase this condations stall Bo lit, Irill packer condactions	Unit Gas 2'4" pum mented 1 production will fayout and Proce p pull for collars and hole. with 10	Accum. Production of the individual distribution of the indivi	rod. 13 MMA OR 427 Stk. 9.2 SP Suf, Scale Co IS BORD 90 Nuestment Aubigs. Ch District Pe ision Engineering	Hrs 24 n; 912 Bl nvert and d reduce in sport 6 of fresh) troleum En	Pump acidize the decl. M months.	die
resent Allinesent Tes Equipment easons for Subject w Tate from etroleum E 1) fix up 2) fo in circulate 3) fo in scale con eviewed an istrict Geologica Asst. Sup Supt.	it: 0il_ it: 0il_ it: 0il_ it: 0il_ it: Approximate the wing the w	Maximum Maxim	er_297 -305-168 / is reconstructed se increase increase this condations stall Bo lit, Irill packer condactions	Unit Gas 2'4" pum mented 1 production will fayout and Proce p pull for collars and hole. with 10	Accum. Production of the induction of th	rod. 13 MMA OR 427 Stk. 9.2 SP Suf, Scale Co IS BORD 90 Nuestment District Pe ision Engineering Geological Gen'l. Supt pproved pproved	Hrs 24 1 912 Bl Need and Lean not to Sport 6 Affresh) troleum En	Pump acidize Anonths. All do 47 acidize Anonths.	die
resent Allinesent Tes Equipment easons for Subject w Tate from etroleum E 1) fix up 2) fo in circulate 3) fo in scale con eviewed an istrict Geologica Asst. Sup Supt.	it: 0il_ it: 0il_ it: 0il_ it: 0il_ it: Approximate the wing the w	Maximum Maxim	er_297 -305-168 / is reconstructed se increase increase this condations stall Bo lit, Irill packer condactions	Unit Gas 2'4" pum mented 1 production will fayout and Proce p pull for collars and hole. with 10	Accum. Production of the induction of th	rod. 13 MMA OR 427 Stk. 9.2 SPA Out, Scale Co IS BORD AN Avestment Avestment District Pe ision Engineering Geological Gen'l. Supt	Hrs 24 n; 912 Bl nvert and d reduce in sport 6 of fresh) troleum En	Pump acidize Anonths. All do 47 acidize Anonths.	die
resent Alleresent Tes Equipment easons for Subject w Tate from etroleum E 1) fix up 2) fo in Circulate 3) fo in Scale con eviewed an istrict Geologica Asst. Sup Supt.	it: 0il_ it: 0il_ it: 0il_ it: 0il_ it: Approximate the wing the w	Maximum Mater Mark: Is and full am feed By:	er_297 -305-168, / is recommended in crease increase This conditions stall Bo lit, Irill // out of packer in monium b	Unit Gas 2'4" pum mented 1 production will fayout and Proce p pull for collars and hole. with 10	Accum. Production of the individual of the indiv	rod. 13 MMA OR 427 Stk. 9.2 SPA Out, Scale co IS BORD 9A Avestment Out equipm Lucios Ch Of 4a/p.pe I per 9a/ a District Pe ision Engineering Geological Gen'l. Supt pproved ate ROD. INCR (T	Hrs 24 1 912 Bl Need and Lean not to Sport 6 Affresh) troleum En	Pump acidize Anonths. All do 47 acidize Anonths.	die

								Date_	11-	13-	90	·	
												·	
Pool <u>Vacuu</u> All denthe	<u>IM GRAY</u>	<u>BUKS</u> 1 from	S SAN A	<u> </u>	CZ	it t	rom ground	i level	M_M	XICO			
TX. Con	in Deta	11-16-	38_ @ 1	r. D. 171	<u>oʻ</u> J. F	. OIL 101	3	_Water	0	Gas	5003	LKCF	
GOR_780		Hrs_					C. D. 4710			on 401	3′	DF	
						•	ne oa pa	_	_				
Name	or Type	of Z	me	Top	Bes	34		Re	marks				
SCAYBURG	SITAN	ANDR	<u> </u>	4031		D PRE	SEAT COL	7745	۸٠ ۸٠٠	ERVAL			
								~~~					
				CE		AID LINE	R RECORD	 					
					Seci								
Sixe	Weight	.	Grade	Set At			Je	Perf.		Rem	arks		
75/8	26.4		6.W	1551	300	2 5	<u>%</u>		CHT	CIRCU	ベナー		
51/2				4091		2	<u></u>		CMT	CALCO	2500		UUP
							3/4 OPE	N HOLE	109/	- 4710			
						Breens		EVERN					
	Production				a Kru		et moss	RACORL		eduction	Mark A	K an	
Date				Hrs	Type		tment From	To		Water			
				,			/4.6.1	47.40			700		
							<u> 1091</u> <u> 4362</u>		-			24 P	
							4091		<u>51</u>	25	TSTM	24 P	
<u>-7-79</u>	. <u> </u>	61	610				<u>4360</u> _4360		18	103	710	24 P	
11-7-83		78				7 8000				220			
									 -	 -			
Remarks	5 :			•									
Bracani	- alla	. 9	4	Way	2110	ر صل ا	+ Acc	um Dro	a 8171	600	20.0	€ 1-1-9	0
										-		_	
Present	t Test	: Oi	1	Wate	er <u>25</u>	6Ga	18	GOR		_Brs	34(Pump. 4	'10
								· · · · · · · · · · · · · · · · · · ·		· 	· 		
	Choke	e Si	z e			Pressur	e		_Tbg	Pressu	re		
Reasons	s for 1	Reme	dial W	ork: <	lean .	out A	cidize	A Scal	e 59	40020	to	increase	
0	il prod	udi.	on t	5) ow	ا ان	decline			_				-
	,											-	
			_	_		_							
Petrole	eum Eng	gine	ering	Recomme	endati	ons and	Proced	ure:	See	Attac!	ned		
							•						
									 -				
Paulau	ed and	Ann	roved	Rv:				Distri	ct Pe	trole	m eng	neer	
Distr	ict						Divisio						
Geol	logical	ļ	<u> </u>		 								
	t. Dist						Gen'l	gical <u> </u>					
		J = 0.			-,			•					_
1	1 CAS	SH L	МОВ	LATOT	J TE	I COAX		roved _					
_IDC		1		1			Date	e _					
INV							PRO	D. INC:		ጥነ	(, 1		l
TOTAL				<u> </u>				711T					l

DCFROI

						Date) 7 -99
Lease_	lacours Grane	- Can Andi	= Unit		No_ <i>SS</i>	_Tx. Work.	Int
All de	oths measured	from 0		unty <u>Leq</u> 11	ft. from	_State_ <u>/ve</u> , n_ground_le	vel.
Tx. Con	mp. Date <u> 11/7</u> >32 Hrs	/39	9 T. D. <u>471</u>	O_I.P.	011 <u>/03</u> esent T. D	,Wa	ter <u>O</u> Gas <u>106</u> MC Elevation <u>4002</u> 0A
		D			PECTIVE OR		
Name	or Type of	Zone	Тор	Bottom		Remarks	
Vacque	m Orayburg San	Andres	4082	4710	Acsen	t Completion	s Interval
			CAS	ING AND L	INER RECOR	RD	
Size	Watabe	Grade	Set At	Sacks Cement	Hole Size	Perf.	Remarks
	•					ren.	
85/8 51/2		SMLS	1547 4082	3 <u>3</u> 1\ 250	77/8	- 	cmt Ty- @ 2900 (602)
					6/4	Open Hale	4082-4710
			COMPLETIO	N AND REM	EDIAL WORK	RECORD	
Date	Production Oil Wat			ype Am	Treatment ount f	rom To	Production Test After 011 Water GOR Hrs
11/7/39 9/11/46	To -1: a) C			070 501	4	1087 4710	103 0 1032 6F
10/19/62	102 0	133×	24 25	TNEA 2		/330 4710	NA
12/18/71	$\frac{28}{260} = 0$	<u>860</u> 635				1082 <u>4710</u> 1577 <u>5</u> 01f	151 41 1178 24F
2/24/87	256 240	327	24 Kon	14/FL 152	8000	4082 4710	290 350 300 248
Remarks	:						
Present	Allow_3/8)Ma:	x Allow. <u>_</u> _	n.l	Accum. Pro	od. <u>7,397,25</u>	9 as of 11/82
Present	Test: 011	127 Wat	er 232	Gas	<u> 3メ</u> GOF	<u> 300</u>	Hrs 24 Pump Fibw.
lumpin	Equipmen	1: DOT S.	ibmers ble	152 R9	1 stas 45	- HP Capac	740 BPD
	=						acidize with 8000
							productions increase
U	_						good in 4 months.
						Swill Pay	4017 11 7 110117h 3
	um Engineeri	•				1 ,	
	IPU, install			\sim		•	
							4710', POH.
3) 6	TH W/5"	1 1184-	. of packe	or with	Colands	of tailf	ipe. Set fackor
a.l	4000:	· · · · · · · · · · · · · · · · · · ·					
4) (ood backs	Je and	Ple Lare	· to ac	idise u	u/ 2000 aa	1: 15% NEFE golled
	<u> </u>					7	
						District No	tualaum Engineau
	d and Approv	ed By:					troleum Engineer
Distric Geolo	t gical				Divi:	sion ngineering_	
Asst.	Supt				Ge	eological _	
Supt.						en'l. Supt_	
504 1	6 ~ 2 ~ 4 5".4				Ap; Dat	proved te	
FXP-1	CASH 23 VX		OTAL TEX	ACO		OD. INCR (T	XX) 10 (10)

JWC LouingTon secondary recovery injection IDC WO: This is the ial werkover on the subject well un operations where were or (will be) initiated in RECOMMENDED REMEDIAL WORK Date_ Lease VACHUM GOODING - SAL ANDREW HUT Well No. 56 Lease VACUUM CREMENT - DA PARCOS MAT Well No. 56 Work, Int. Pool VACUUM GREEFURG - SENT ANGES County LEA Wate Novel.

All depths measured from DF or 1/1 it. from ground level. TX. Comp. Data 4-21-40@ T. D. 4710 I. P. Oil 246 Water C Gas GOR 1321 Fis. 6 In 1 Flow. Present T. D. 4710 Elevation DESCRIPTION OF PROSPECTIVE OR PAY ZONES Name or Type of Zone VACUUM GB- SAN ANDRES 3968 PRODUCING INTERVAL YEESENT . 4710 CASING AND LINER RECORD Sacks Hole Size Weight Grade Set At Cement Size Perf. Remarks 26,4 300 CMT CIRCULATED LOBSERYER) 1521 TOP 2057 FERLE, @ 60 FOR (MT COMPLETED TALIB RUNLEMAL WORK HERWID Production Test Before Treatment Production Test After Oil Water GOR Type Amount From INITIAL COMPLETION 4710 MATHERS 24 NEA/15% 1000 Remarks: No REMEOIAL CANAL T MORK Max. Allow 80 Accum. Prod 22 45 MCF GOR .Water. Present Test: Oil _Pemp. [...] Choke Size_ __Presoure ___Tbg Pressure___ THE THE CHANGET MITTEL Reasons for Remedial Work: To INCREME TO PRODUCT AND EST ACIDIZING AND TRACTURE - STATES OF THE SAME PLANT 1747 703 WELLBORE DAMAGE AND ENLIGHT THE EARLY WELLBY. PRODUCED WATER HAS SHOWN POUR SUITARE COND OF OR CORDERATION WITH OFFERY PRODUCTION WHENES IN THE VG. Petroleum Engineering Recommendations and Procedure: 1. KIG UP POLICIES LITHT, PULL TOS AND PURP, STOOMER TO PULL THEMSE CLEAN OUT TO "TD (4710) AS NEEDED, USING A MEROSTATIC BARGE RUN GRICH FROM TO TO ZOO CONTIGION ON NO STATE OF WELLBORE RUN CONTRE KINN CHE CHILL FROM IN TO THE CHART SHOE (3963).

LOS TRIOM TO TO CRENG SHOE (3963).

RUN Z 3/8" TUMMS WITH SPOT CONTION VALUE & SPOT & WITH SCHOOL CONVENTER IN BELO.

CALL WATER ACROSSI OPEN HOLE FROM TO (4710) TO SECOL. P.O.H. SHIT-IN FREE ZA SHIEL.

THE WATER WATER PROPERTY THEMS ACKNOW HELE OFFICE SOUND BANKEY. 4. Pick up of their me more when 3h FREE PREMIS ASK SET Francisco (11) 15% ALL MI S ENGLY STONE TO ACIDITE GART HOLE = 4375 TO FILE WITH 5000 . IN MEDED ROCK SALT MAD LEWISHE LAND HONKESTOR DIVERSAL FROM PROMISE FREE WILDDOOR HA NEEDED DISPLACE WITH TOOM HOW 2% ROLL MAD FOREST . . Such to RECOVER LEAFLY. NEEDED. DEPENDED WITH TAND HOLD IN 1881 INTO FORMER ...

Division

SEE NOTE, - PLEAR 3

Reviewed and Approved By:

District

14400 11/18

District Petroleum Engineer

		.		- 1		D	ate	Jan	17	1990	
Lease_V	acuum	Grayburg	San And	res Unit	Well N	0. <u>58</u>	Tx	. Work	Int.	100%	2
All dept	ths meas	ured fr	om DF	vesC or 1710I	<u> // ft</u>	. from	groun	d leve	$\frac{N(\omega)}{1}$	116X1CO	 -
TX. Comp	Date_	11-14-38		<u> 4710</u> I Flow. Pr	.P. Oil_	239 D	_Water	<u>0</u>	Gas	33°	2 M
GOR			_						evacio	··	
		1	DESCRIPT	ION OF P	ROSPECTI	VE OR	PAY ZO	nes			
Name	or Type	of Zone	е	Top	Base			Re	marks		
Grayburo	- 50n	Andres		4295	4710	P,	resent	Produ	cing 1	nterva	Ţ
											
				CASING	AND LINE	R RECO	RD				····
				Sacks							
Size	Weight	Grade	Set At	Cement		Pe	rf.		Remar	ks	
7 5/8 "	26.4	5mLS	1507	300	9 5/8 "				Circ. (
5 1/2 "	17	smls	H087	200	63/4"			Cmt 50	Top ueeze 15	2825	(Bond Lo
					H 3/H''	OPEN	Hole	408	7-4710	, 	- - - -
			COM DT.	-(۳۵ _۷ '85) ETION AN	> 6 1/4"				1- 4665	•	
			CORPL	EIION AN	D KEMEDI	AL HUK	K KECO	KD			
Pro Date				Туре		ment			uction Water		
									Macer		
7-17-69	Dead	Flowing		Natura 1570 NEF		4087	4710	239	<u> </u>	1-390	
5-23-80	170		1550 24 P	20% NEA	10,000	4087	4710	171	8	1763	
12-27-84	292	235 .	- 54D	15% NEA	1,000	4087	4710	292	235		24 8
5-6-85 7-23-57	175	325 .	$\frac{24p}{240}$	15% Gelled	3000	4087	4710	331	372 440	417	24 F
		324	= 24P = 24P	Son we lank		4087	4710	205	502		24P
Remarks:				Set Cie Jone		And the superconduction of the State of the	a or the second second		- (1500.245.004		
Present	Allow	~	Max.	Allow	nit A	ccum.	Prod. I	70770	laso	of /-/	- 89
				397							
Present	Test: O:	11 10 H	Water_	397	_Gas	GO	R	Hrs	· <u> </u>	_Pump.	T-L-CW
	Choke S	i 70		Press	aure '		т Ъ.	n Drace	SUFA	-	
Reasons	for Reme	edial Wo	ork: R	pair Ca	sing Le	ak t	flow	from	, ⊇an	366.	. 0 71
to the	e frest	n water	sand s	•							
									•		
Petroleu	m Engine	ering E	Recommend	dations a	and Proce	edure:					
	_	-					See	Page	2		
					-						
						Dist	trict I	Petrole	eum Enc	i neer	
Reviewed		proved E	By:							,	
Distric	t			•	Divisi						
					Engi Geol	ineerin Logical	ng l				
					_ Gen'	1. Sup	ot				
				-	- <u>A</u> r	proved	đ f				
	CASH	МОН	TOTAL	TEXACO	1	ate		 			····
IDC											
1				•	1 1						,

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-105

Submit to Appropriate District Office

State Lease - 6 copies	i			,,								<u> </u>	<u> </u>	VELIDOR	7-7-62	
Fee Lease - 5 copies DISTRICT I			ΛΠ	CONC	SERVAT	MUN	JINT	MOTOTA	N	W	MAN	ما الما				
P.O. Box 1980, Hobbs	NM 88240	,	OIL	COM	P.O. Box			A 1721.C	JN	30	0-025-3	0721				
DISTRICT II P.O. Drawer DD, Arte	cia. NM 887	210		Santa Fe	P.O. Box New Mex			2088		5.	Indicate T	ype of Leas	STATE	<u> </u>	FE	E 🗌
DISTRICT III 1000 Rio Brazos Rd.,	·										State Oil 4 57948	k Gas Lease	No.			
			DD BE	COMPLI	ETION REF	PORT	AND	100				777777	7777	7777	7777,	77777
1a. Type of Well: OIL WELL		S WELL	_	DRY [OTHER	CONT	MID	LOG			Lease Nan VACUUM					<u>/////</u>
b. Type of Completion	#: K	_			N/98						VACCUM	UKATBU	NG 3	AN AN	DNES	ONLI
WELL WORL			HUO HUO	<u> </u>	RESVR OT	HER				بـــ						
2. Name of Operator TEXACO PROD	I ICING IN	<u>~</u>								-	. Wali No. 22					
3. Address of Operato	r									1	Pool name	or Wildcat				
P. O. Box 31	09, Mid	iland,	Гехаз	79702						V	ACUUM (RAYBUR	G SA	JN AND	RES	
4. Well Location Unit Letter	н ,	1336	Feet	l From The	NORTH		L	ine and	660	<u> </u>	Foot	From The	EAST	 Г		·Line
Section 1	-			veship 18–		Dana	. 34–	-					-			
	11. Date T.	D. Beach			Compl. (Ready I					NMI	RKB, RT, C		1,4	Elan Ca		ounty
10. Date Spudded 05-22-90	06-06-	_	,6Q	06-20-	• • •	O Fran		GR-39				iK, WC.j		Elev. Ca 85'	ingre-	4
15. Total Depth		Plug Bac	± T.D.		17. If Multiple	Compl.	How	18.	Inter	evals :	Rotary Too	akc		ole Tools	<u></u>	
5000'		85'			Many Zon	es?			Dnu	led By	0-5000)*	<u>i</u>		1475	
19. Producing interval(4317' - 4728';		-	-		B							20. Was Di YES	rection	al Surve	y Made	
21. Type Electric and C			ANUNI	<u>E3</u>							22. Was W			3		- <u>6</u>)
GR-CNL-CCL	Mist says on	A								1	NO NO	on Coles	ي'	-3	۴, ۱	→ 20
23.			CA	SING D	ECORD	Penc	all								199	- 19
CASING SIZE	WEI	GHT LB			TH SET		OLE S		1 80		ENTING I	PECORD	 -	THE	INTE	ULLED
18 5/8	87.5	<u> </u>		400'		22	<u> </u>		CL		O SX CIF				DIVE	35/
13 3/8	48#			1546'		17 1/					OO SX CII		- 35	,	·07.53	مرد
7	26			5000'		8 3/	4		CL	H 220	00 SX CII	R. 250 S	X			
						ļ			├							
24.			LIN	ER RECO	ORD	L			╌	25.	π	JBING R	FCO	RD		
SIZE	TOP	,		MOTTC	SACKS CE	MENT	S	CREEN			SIZE		TH SE		PACK	ER SET
					T				_	2 7/8		4774'				
26. Perforation rec	and Cimber		~-d :		1	لـــــا	L	4 (MD)		YOT E	- 4 CMT IT	- CTT 41		SOUTH	-	
26. Perforation rec 4317-21,4333-5					1.2 JSPF,8	82		ACID,			RACTUR	UNT AND				
HOLES. 4476-82	,4486-9	2,4529	36,4	1554-64,	4568-76,		L	7'- 444				1200 GAL				364
4588-93,2 JSPF JSPF,100 HOLES		ES. 465	56–74,	,4678–99	9,4717-28	3,2		6'- 459				1500 GAL				
JOPF, IOU HOLLO	•				==			6'- 472	28'		ACID - 5	000 GAL	_S, 1	55 NE	FE	
28. Date First Production			Paradisanti.	14-thod /	PRODU							337-11-4			- Class 1	
06-15-90			SUB-P		Flowing, gas li	Ji, puny n	ne - or	и вла сурт	e pu	Ψ (P)		PROD.		(Prod. or	· Simi-m	A)
Date of Test	Hours T			Choke Size	Prod'a Fo	x	Oil - B	Ы.	G	45 - MC	F	Water - Bbi		G)as - O	il Ratio
07-01-90	24				Test Perio		73		61		92			335.6		
Flow Tubing Press.	Casing I	Pressure		Calculated 24 lour Rate	I- ОіІ - ВЫ.	•	G	M - MCF	-	Wate	er - Bbl.	Oil 0	-	- API - ((Corr.)	
29. Disposition of Gas (Sold, used fo	r fuel, ve	nsed, esc	.)								Witnessed B	•			
SOLD											KIRB	Y LOCKL	AR			
30. List Attachments	~															
DEVIATION SURVE		mation !	shown a	m both side	s of this form	is true	and c	omplete t	o the	e best o	f my know	ledge and	belief	,		
	_							<i></i>			,,					i
Signature 4	Back	Su	<i>12.</i>	DA	Printed C.I	P. BAS	MAH			Title	DRLG.	SUPT.		_ Date.	07-1	7-90

Submit to Appropriate District Office State Lease — 6 copies Fee Lease — 5 copies DISTRICT I

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-104

OIL CONSERVATION DIVISION

-	1	Revised 1-1-8
7	WELL API NO.	
١.		

P.O. Box 1980, Hobbs,	NM 88240			P.O. Box	2088			. [3	30-025-30	755		
DISTRICT II P.O. Drawer DD, Artesi	a, NM 88210		Santa Fe,	New Mex			880		5. Indicate Ty	STA	TE X	PEE
DISTRICT III 1000 Rio Brazos Rd., A	ziec, NM 87410						112	_	6. Sime Oil & 857948	Gas Lesse N	D.	
WELLO	OMPLETION (OR RE	COMPLE	TION REF	PORT	AND L	OG					
ia. Type of Well:									7. Lease Nam	e or Unit Agn	ement N	ame
OIL WELL	_	Ш	DRY [OTHER								ANDRES UNIT
NEW WORK WELL OVER	DESERBIN	MUG BACK		DEFF RESVR OT	HER A	DD PER	FS &	TEST				
2. Name of Operator TEXACO PRODU				-					& Well No. 139			
3. Address of Operator P. O. Box 310	9, Midland,	Texas	79702					- 1	9. Pool name VACUUM G		SAN AI	NDRES
4. Well Location								<u>.</u>	· · · · · · · · · · · · · · · · · · ·			
Unit Letter H	: 1980	Poet	Prom The	NORTH	·	Line	and 1	202	Foot F	rom The EA	ST	-Line
Section 2	II Day ED Bard		nahip 18-			34-E	2 171		I BYD DE C	n 403 19	4 Floor	County
02-24-90	11. Date T.D. React 03-06-90		07-26-			G	R-40	06	& RKB, RT, G		006'	Casinghead
15. Total Depth 5000'	16. Plug Bac 4900'	k T.D.		17. If Mukiple Many Zon		. How	18.	Intervals Drilled By	Rotary Tool 0-5000'	•	Cable To	ols
19. Producing Interval(s) GRAYBURG—SAN A	•	•	ottom, Name							20. Was Direc YES	tional Su	rvey Made
21. Type Electric and Ori GR-DLL-MG-CAL,		-CAL						-	22. Was Wo	NI Cored		
23.		CA	SING R	ECORD				set in	well)			
CASING SIZE	WEIGHT LI	BIFT.		'H SET		OLE SIZ			MENTING R		AM	OUNT PULLED
9 5/8	36#		1570'		12 1/				56 SX CIR			
7	26#		5000'		8 3/	4		CL H 1	200 SX CIR	. 15 SX	↓	
										····		
												
24.			ER RECO	T				25.		BING REC		
SIZE	ТОР	BC	MOTTO	SACKS CE	MENT	SCI	REEN		SIZE	DEPTH	SET	PACKER SET
								2 7/	8	4823'		
As Desfection con	-4 (1			l		1	A CTID	STIOT	ED A CTT ID	CCMCN	T COI	TODOTO TOTO
 Perforation records 4347–4551,4376- 				0 4408-44	412			SHU1, ERVAL				JEEZE, ETC. ERIAL USED
4420-4424,2 JSF							- 44			200 GALS		
54, 2 JSPF, 128 H		-	-	-	6-		– 45			200 GALS		
78, 2 JSPF,86 HC)LES.4750-48	06,2 J	ISPF,56 H	ЮLES.			- 46			200 GALS		
28.				PRODU	CTIC				<u> </u>			
Date First Production		Production	on Method (/	Flowing, gas li			and type	pump)		Well Stat	us (Prod	or Shut-in)
07-21-90	PUME	- 2	1/2 X 1 3	3/4 X 24						PROD.		
Date of Test 07-30-90	Hours Tested 24	C	hoke Size	Prod'n Fo	. 4	О іі - Вы . 330	1	Gas - M 46	CF 1	Vater - Bbl.	139	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure		alculated 24 lour Rate	- Oil - Вы.	•	Gas -	MCF	- w	ater - Bbi	Oil Grav	ity - AP	- (Corr.)
29. Disposition of Gas (S	old, used for fuel, ve	insed, esc	.)	•				•		itnessed By		
30. List Attachments						····						
31. I hereby certify tha	t the information :	shown o	n both side	s of this form	is true	and com	plete to	the best	of my knowl	edge and be	ief	
Signature O	Book	an		Printed Name C.I	P. BAS	SHAM		Ti	tle DRLG. S	SUPT.	Da	te 07-31-90

JAH FORM C-104 State of New Mexico Appropriate District Office Energy, Minerals and Natural Resources Department Revised 1-1-89 See Instructions at Button, of Fr RSP RWB P.O. Box 1980, Hobbs, NM 88240 kgc OIL CONSERVATION DIVISION DISTRICT II P.O. Drawer DD, Artesia, NM 88210 P.O. Box 2088 Santa Fe, New Mexico 87504-2088 JDU DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410 LWJ CPM PAK REQUEST FOR ALLOWABLE AND AUTHORIZATION witte بملاجع TO TRANSPORT OIL AND NATURAL GAS TWA Well API No Operator HMC Yexaco Producing Inc. 3002530756 OLH FILE P.O. Box 730, Hobbs, NM 88240 Reason(s) for Filing (Check proper box) Other (Please explain) WELL XNew Well Change in Transporter of: Dry Gas Recompletion Oil Casinghead Gas Condensate Change in Operator If change of operator give name and address of previous operator IL DESCRIPTION OF WELL AND LEASE Well No. Pool Name, Including Formation Kind of Lease Lease No. Vacuum Grayburg San Andres Unit State, Federal or Fee 140 Vacuum Grayburg San Andres 857948 Location -1.6 1980 Feet From The North Line and East Η Unit Letter ____ Feet From The . Line 18-S 34-E Lea Township Range NMPM, County III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS Address (Give address to which approved copy of this form is to be sent) Name of Authorized Transporter of Oil me of Authorized Transporter of Oil

Texas New Mexico Pipe Line Co. or Condensate P.O. Box 2528, Hobbs, NM 88240 Name of Authorized Transporter of Casinghead Gas or Dry Gas Address (Give address to which approved copy of this form is to be sent) X P.O. Box 1137, Eunice, NM 88231 If well produces oil or liquids, give location of tanks. Unit Sec. Twp. Rge. Is gas actually connected? When? F 2 | 18S | 34E Yes 04-03-90 If this production is commingled with that from any other lease or pool, give commingling order number: IV. COMPLETION DATA Oil Well Gas Well New Well | Workover Deepen Plug Back Same Res'v Diff Res'v Designate Type of Completion - (X) Total Depth Date Spudded Date Compl. Ready to Prod. P.B.T.D. 03-08-90 04-12-90 5000' 4900' Top Oil/Gas Pay Name of Producing Formation Elevations (DF, RKB, RT, GR, etc.) Tubing Depth 4378' GR 4000' KB 4013' 48391 Grayburg San Andres eriorations Depth Casing Shoe 4378-4724' (208 holes, 4754-4792' (38 holes, 2 JSPF) 2 JSPF) TUBING, CASING AND CEMENTING RECORD CASING & TUBING SIZE HOLE SIZE **DEPTH SET** SACKS CEMENT 12-1/4" 9-5/8" 1550 800 sx Cl H Cir 95 sx 8-3/4" 5000 1150 sx Cl H Cir V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.) Producing Method (Flow, pump, gas lift, etc.) Date First New Oil Run To Tank Date of Test Pump 2-1/2" X 1-3/4" X 04-03-90 04 - 22 - 90Casing Pressure Length of Test Tubing Pressure 24 hours Water - Bbls Actual Prod. During Test Oil - Bbls. 96 256 88 **GAS WELL** Actual Prod. Test - MCF/D Bbis. Condensate/MMCF Length of Test Gravity of Condensate Testing Method (pitot, back pr.) Tubing Pressure (Shut-m) Casing Pressure (Shut-in) Choke Size

VL OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above

is the sud comblete to the pest of my	nowleage and belief.
Ryhand Dox	20
Signature R. B. DeSoto	Engineer's Asst.
Printed Name	Title
_05-18-90	(505) 393-7191
Date	Telephone No.

OIL CONSERVATION DIVISION MAY 2 2 1990

ORIGINAL SIGNED BY JERRY SEXTON
By DISTRICT I SUPERVISOR

Title V

- 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.

Submit 5 Copies
Appropriate District Office
DISTRICT 1
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

Energy, Minerals and Natural Resources Department IL CONSERVATION DIVISION

P.O. Box 2088 Santa Fe, New Mexico 87504-2088 Form C-104 Revised 1-1-89
See Instructions at Bottom of Page

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I	Ţ	OTRA	NSPORT (OIL AND NA	TURAL GA				
Operator						Well	API No.		
Texaco Producing Inc	c				****		-025-30	797	
Address P.O. Box 730, Hobbs	NM 8	8240							
Reason(s) for Filing (Check proper box)	, 1111 01	3240		O	her (Please expla	zin)			
New Well		Change in	Transporter of:			,			
Recompletion	Oil		Dry Gas	3					
Change in Operator	Casinghead	$\overline{}$	Condensate						
If change of operator give name									
and address of previous operator									
II. DESCRIPTION OF WELL			5					<u> </u>	
Lease Name Vacuum Graybu San Andres Un		Well No. 141		luding Formation n Grayburg			of Lease Federal or Fe		.e2se No. 048
Location		171	74044	u oray bar a	5 Dan Inia				740
Unit Letter E	. 13	09	East Error The	West Li	1	980 -	et From The.	Nort	h Line
Ont Letter	- •		rea rion the	u	DC 2001	re	et riom me.		Line
Section 1 Township	1	88	Range	34E , N	ІМРМ,		L	ea	County
· · · · · · · · · · · · · · · · · · ·			 .						
III. DESIGNATION OF TRAN Name of Authorized Transporter of Oil		or Condens			ve address to wh	ich approved	come of this f	orm is to be s	
Texas New Mexico Pi	LA			ı	30x 2528,	• •		240	eru j
Name of Authorized Transporter of Casing			or Dry Gas		ve address to wh				ent)
Texaco Producing In		تستع		- ₁	3ox 1137,				,
If well produces oil or liquids,	 -	Sec.	Twp. R	ge. Is gas actual		When			
give location of tanks.	F	2	18S 341		Yes	1	04-	21-90	
If this production is commingled with that f	rom any othe	r lease or p	ool, give commi	ingling order nun	nber:		_		
IV. COMPLETION DATA		Oil Well	Gas Well	New Well	Workover		Div Davis	le- n	Dia n
Designate Type of Completion	· (X)	I X	Cas well	X	WOLKOVEL	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl	. Ready to	Prod.	Total Depth	· 1_,,,,,,		P.B.T.D.	l	
04-07-90		06-16	90		6004'			5030'	İ
Elevations (DF, RKB, RT, GR, etc.)	Name of Pro	_		Top Oil/Gas	•		Tubing Dept		
GR 4000' KB 4013'	Grayb	urg Sa	in Andres		42581			4759'	
4258-4705							Depth Casin	g Shoe	
4230-4703	п	IRING (CASING AN	D CEMENT	NG RECOR	n	<u> </u>		
HOLE SIZE			BING SIZE	CENTERNI	DEPTH SET			SACKS CEM	ENT
12-1/4"		9-5/			1550'				Cir 5 sx
8-3/4"		7"			60041		C1 H 1	100 sx	T.S. 800'
	 						-		
V. TEST DATA AND REQUES	ST FOR A	LLOWA	RLE						
OIL WELL (Test must be after r				uusi be equal io o	r exceed top allo	wable for this	depik or be 1	ior full 24 kou	71.)
Date First New Oil Run To Tank	Date of Tes				lethod (Flow, pu			o. y.c. 27 100	
04-21-90	<u> </u>	06-24-	-90		Pumping 2	2-1/2" >	C 2" X 2	4'	
Length of Test	Tubing Pres	sure		Casing Press	aue .		Choke Size		
24 hrs Actual Prod. During Test	Oil - Bbls.			Water - Bbls	· · · · · · · · · · · · · · · · · · ·		Gas- MCF		
Actual Flod. During Test	Oil - Bois.	,	101		398		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		38
GAS WELL	<u> </u>		20,25	2027283	370		L		30
Actual Prod. Test - MCF/D	Length of To	est	100	Bbls. Coode	sate/MMCF		Gravity of C	ondensate	
		/		J. 3	3/		0.0, 0. 0		
Testing Method (pitot, back pr.)	Tubing Press	sure (Shukri	P) 1/2	Casing Press	une (Shut-in)		Choke Size		
		5	6/	139					
/I. OPERATOR CERTAIN	ATE OF	COMKĨ	JANCE			OED) //	71011		\\ \ \ \ \
I hereby certify that the rules and regular	tions of the O	il Conserva	tion (3 3	Approved	OEKVA	HION	אפועור	N
Division have been complied with and the is true and complete to the best of my kn	nat the inform powledge and	ution given belief.	aboye	المراجع الم			1111 9	5 199	1
0 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	<u></u>		12131	up Date	Approved	·	S S S	<u> </u>	
Kichard West	eto .					ጎ መያ/አኔላ፣	ereaism n	y seppy (SEYTON
Signature R. B. DeSoto	Ingineer	ing T	echr.ician	∥ By_	•		skomed b Trict i su		
Printed Name	griicel		Fitte			2.47			-
07-20-90	(505)	393-7		Title					
Date		Teleph	hone No.	11					
			300		Segue College	2.00	Version 1		

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

Submit 5 Copies Appropriate District Office DISTRICT 1		Ę O , N			ew Mexico ural Resour	ces Departin	en en		Form C Revised See 141	
P.O. Box 1980, Hobbs, NM 88240		OTL.C	'ONS	ERVA	TTON I	DIVISIO)N		RSR4 Botte	
DISTRICT II P.O. Drawer DD, Artesia, NM 88210			OIN		ox 2088	71 V 151 C	71		KGC	_ MLG
DISTRICT III		Sa	ınta Fe	, New M	exico 8750	04-2088			RBD	_ PDH
1000 Rio Brazos Rd., Aziec, NM 87410	REQ	JEST F	OR AI	TOWAR	BLE AND	AUTHOR	ZATION		REH	CPM
A. Operator		TO TRA	ANSP	ORT OIL	AND NA	TURAL G		API No.	PAK	MGR
Texaco Producing In	ic.						1	API NO. 00253084	RTM	JY
Address	····							00233001	SDN	GLH
P.O. Box 730, Hobbs Reason(s) for Filing (Check proper box)	, NM	88240			·	er (Please emp			RJR	PWM
New Well		Change in	а Тгаларс	orter of:	Ou	ci (riedsi espi	PDH		MAS	
Recompletion	Oil		Dry G		-	_				
Change in Operator If change of operator give name	Casinghe	nd Gas	Conde							
and address of previous operator							·			
Less Name Vacuum Crawbe			TD 131		- Fameia		Vind	of Lesse		Na
Vacuum Graybu San Andres Ur		142		•	ayburg	San Andr		Federal or Fe		23.55 No. 48
Location										
Unit Letter F	_:2	628	_ Feat Fi	om The	est لنه	e and19	80 F	eet From The	North	1 Line
Section 1 Townshi	i p 18	-s	Range	34-	-	мрм,		Lea		County
III. DESIGNATION OF TRAN Name of Authorized Transporter of Oil		or Conde		<u>D NATU</u>		ne address to w	hich approved	d coor of this f	orm is to be se	ent)
Texas New Mexico Pi	X ipe Li	ne Co.			1	ox 2528,				,
Name of Authorized Transporter of Casin	-	XX	or Dry	Gas	1	e address to w				pre)
Texaco Producing Ir	Unit	Sec	Twp	Rge		ox 425,	Lovingt		88260	
give location of tanks.	F	2	18		1 -	Yes			24-90	_
If this production is commingled with that	from any ou	per lease or	pool, gi	ve comming	ling order num	ber:				
IV. COMPLETION DATA		Oil Well	1 1	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Designate Type of Completion	- (X)	Oil Well	i (Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Designate Type of Completion	Date Com	X pl. Ready to	o Prod.	Gas Well	•	<u>i </u>	Deepen	Plug Back P.B.T.D.	İ	Diff Res'v
Designate Type of Completion	Date Com	X pl. Ready to 10-13-	• Prod. -90		X	5000 '	Deepen	<u>i </u>	4764 '	Diff Res'v
Designate Type of Completion Date Spudded 09-06-90 Elevations (DF, RKB, RT, GR, etc.) GR 3993', KR 4006'	Date Com	X pl. Ready to	o Prod. -90		X Total Depth	5000 '	Deepen	P.B.T.D. Tubing Dep	4764' uh 4683'	Diff Res'v
Designate Type of Completion Date Spudded 09-06-90 Elevations (DF, RKB, RT, GR, etc.) GR 3993', KR 4006' Perforations	Date Com	pi. Ready to 10-13- roducing F	o Prod. -90		X Total Depth	5000'	Deepen	P.B.T.D.	4764' uh 4683'	Diff Res'v
Designate Type of Completion Date Spudded 09-06-90 Elevations (DF, RKB, RT, GR, etc.) GR 3993', KR 4006'	Name of F Gray	pl. Ready to 10-13- roducing F burg S	o Prod. -90 ormatica San A	ndres	X Total Depth Top Oil/Gas	5000' Pay 4192'		P.B.T.D. Tubing Dep	4764' uh 4683'	Diff Res'v
Designate Type of Completion Date Spudded 09-06-90 Elevations (DF. RKB. RT. GR. etc.) GR 3993', KR 4006' Perforations 4192-4690' HOLE SIZE	Name of F Gray	pl. Ready u 10-13- roducing Faburg S	o Prod. -90 comstice San A	ndres	X Total Depth Top Oil/Gas	5000' Fay 4192' NG RECOR	<u>i</u>	P.B.T.D. Tubing Dep Depth Casin	4764 ' th 4683 ' g Shoe	ENT
Designate Type of Completion Date Spudded 09-06-90 Elevations (DF, RKB, RT, GR, etc.) GR 3993', KR 4006' Perforations 4192-4690' HOLE SIZE 17-1/2"	Name of F Gray	pl. Ready under 10-13-roducing Faburg Struck	o Prod90 comstice San A	ndres	X Total Depth Top Oil/Gas	5000' Pay 4192' NG RECORDEPTH SET 1550'	<u>i</u>	P.B.T.D. Tubing Dep Depth Casin	4764 th 4683 th 4683 th SACKS CEM	ENT ir 309 s
Designate Type of Completion Date Spudded 09-06-90 Elevations (DF. RKB. RT. GR. etc.) GR 3993', KR 4006' Perforations 4192-4690' HOLE SIZE	Name of F Gray	pl. Ready under 10-13-roducing Faburg Struck	o Prod. -90 comstice San A	ndres	X Total Depth Top Oil/Gas	5000' Fay 4192' NG RECOR	<u>i</u>	P.B.T.D. Tubing Dep Depth Casin C1 H 17 C1 H 15	4764 th 4683 th 4683 th SACKS CEM	ENT ir 309 s ir 485 s
Designate Type of Completion Date Spudded 09-06-90 Elevations (DF. RKB. RT. GR. etc.) GR 3993', KR 4006' Perforations 4192-4690' HOLE SIZE 17-1/2" 12-1/4" 8-3/4"	Name of F Gray	pl. Ready to 10-13-roducing Fiburg S TUBING, SING & TI 13-3 9-5	o Prod. -90 constica San A: CASII UBING S	ndres	X Total Depth Top Oil/Gas	5000' Pay 4192' NG RECORDEPTH SET 1550'	<u>i</u>	P.B.T.D. Tubing Dep Depth Casin C1 H 17 C1 H 15 DV Tc	4764 ' th 4683 ' g Shoe SACKS CEM (00 sx c) 570 sx c) 501 @ 15	ENT ir 309 s ir 485 s
Designate Type of Completion Date Spudded 09-06-90 Elevations (DF. RKB. RT. GR. etc.) GR 3993', KR 4006' Perforations 4192-4690' HOLE SIZE 17-1/2" 12-1/4" 8-3/4" V. TEST DATA AND REQUES	Name of F Gray	pl. Ready to 10-13- Producing Factoring String & TI SING & TI 13-3 9-5	o Prod90 comation Gan Ai CASII UBING 9	ndres NG AND SIZE	X Total Depth Top Oil/Gas	5000' Pay 4192' NG RECOR DEPTH SET 1550' 2800'	ND .	P.B.T.D. Tubing Dep Depth Casin C1 H 17 C1 H 15 DV Tc C1 H 95	4764' th 4683' g Shoe SACKS CEM 00 sx c 570 sx c 501 @ 15	ENT ir 309 s ir 485 s 56' r 102 sx
Designate Type of Completion Date Spudded 09-06-90 Elevations (DF, RKB, RT, GR, etc.) GR 3993', KR 4006' Perforations 4192-4690' HOLE SIZE 17-1/2" 12-1/4" V. TEST DATA AND REQUES OIL WELL Test must be after to Date First New Oil Run To Tank	Name of F Gray	pl. Ready to 10-13-Producing Faburg Structure	o Prod90 comation Gan Ai CASII UBING 9	ndres NG AND SIZE	X Total Depth Top Oil/Gas CEMENTI be equal to or	5000' Pay 4192' NG RECOR DEPTH SET 1550' 2800'	omable for the	P.B.T.D. Tubing Dep Depth Casin C1 H 17 C1 H 15 DV Tc iC1 H 95	4764' th 4683' g Shoe SACKS CEM 00 sx c 570 sx c 501 @ 15	ENT ir 309 s ir 485 s 56' r 102 sx
Designate Type of Completion Date Spudded 09-06-90 Elevations (DF, RKB, RT, GR, etc.) GR 3993', KR 4006' Perforations 4192-4690' HOLE SIZE 17-1/2" 12-1/4" V. TEST DATA AND REQUES OIL WELL (Test must be after to Date First New Oil Run To Tank 09-24-90	Name of F Gray CA ST FOR A ecovery of te	pi. Ready u 10-13- roducing Fi burg S IUBING, SING & TI 13-3 9-5 ALLOW, Stal volume 3 0-27-9	o Prod90 comstion San Ai CASI UBING 9 8/8" 6/8"	ndres NG AND SIZE	X Total Depth Top Oil/Gas CEMENTI be equal to or Producing Me Sub	5000' Pay 4192' NG RECOR DEPTH SET 1550' 2800' 5000' exceed top all ethod (Flow, pi	omable for the	P.B.T.D. Tubing Dep Depth Casin C1 H 17 C1 H 15 DV Tc iC1 H 95	4764' th 4683' g Shoe SACKS CEM 00 sx c 570 sx c 501 @ 15	ENT ir 309 s ir 485 s 56' r 102 sx
Designate Type of Completion Date Spudded 09-06-90 Elevations (DF. RKB, RT. GR. etc.) GR 3993', KR 4006' Perforations 4192-4690' HOLE SIZE 17-1/2" 12-1/4" V. TEST DATA AND REQUES OIL WELL (Test must be after to the content of the conten	Name of F Gray CA ST FOR A ecovery of u Date of Te	pi. Ready u 10-13- roducing Fi burg S IUBING, SING & TI 13-3 9-5 ALLOW, Stal volume 3 0-27-9	o Prod90 comstion San Ai CASI UBING 9 8/8" 6/8"	ndres NG AND SIZE	X Total Depth Top Oil/Gas CEMENTI be equal to or Producing Me	5000' Pay 4192' NG RECOR DEPTH SET 1550' 2800' 5000' exceed top all ethod (Flow, pi	omable for the	P.B.T.D. Tubing Dep Depth Casin C1 H 17 C1 H 15 DV To C1 H 95 is depth or be juic.)	4764' th 4683' g Shoe SACKS CEM 00 sx c 570 sx c 501 @ 15	ENT ir 309 s ir 485 s 56' r 102 sx
Designate Type of Completion Date Spudded 09-06-90 Elevations (DF, RKB, RT, GR, etc.) GR 3993', KR 4006' Perforations 4192-4690' HOLE SIZE 17-1/2" 12-1/4" V. TEST DATA AND REQUES OIL WELL (Test must be after to Date First New Oil Run To Tank 09-24-90	Name of F Gray CA ST FOR A ecovery of te	pl. Ready to 10-13- Producing Factoring Structure Struct	o Prod90 comstion San Ai CASI UBING 9 8/8" 6/8"	ndres NG AND SIZE	X Total Depth Top Oil/Gas CEMENTI be equal to or Producing Me Sub	5000' Pay 4192' NG RECORDEPTH SET 1550' 2800' 5000' exceed top all ethod (Flow, pi	omable for the	P.B.T.D. Tubing Dep Depth Casin C1 H 17 C1 H 15 DV To C1 H 95 is depth or be acc.) Gay MCF	4764 ' th 4683 ' g Shoe SACKS CEM (00 sx c 570 sx c 501 @ 15 (00 sx ci	ENT ir 309 s ir 485 s 56' r 102 sx
Designate Type of Completion Date Spudded 09-06-90 Elevations (DF, RKB, RT, GR, etc.) GR 3993', KR 4006' Perforations 4192-4690' HOLE SIZE 17-1/2" 12-1/4" V. TEST DATA AND REQUES OIL WELL (Test must be after to the content of Test 24 hrs. Actual Prod. During Test	Name of F Gray CA CT FOR A Ecovery of to Date of Te Tubing Pre	pi. Ready to 10-13-roducing Fiburg S FUBING. SING & TI 13-3 9-5 ALLOW. Stal volume is 0-27-9 Essure	o Prod90 comstion San Ai CASI UBING 9 8/8" 6/8"	ndres NG AND SIZE	X Total Depth Top Oil/Gas CEMENTI be equal to or Producing Me Sub Casing Press	5000' Pay 4192' NG RECORDEPTH SET 1550' 2800' 5000' exceed top all ethod (Flow, p) pump are	omable for the sump, gas lift,	P.B.T.D. Tubing Dep Depth Casin C1 H 17 C1 H 15 DV To C1 H 95 is depth or be acc.) Gay MCF	4764' th 4683' g Shoe SACKS CEM 00 sx c 70 sx c 001 @ 15 00 sx ci for full 24 hou	ENT ir 309 s ir 485 s 56' r 102 sx
Designate Type of Completion Date Spadded 09-06-90 Elevations (DF, RKB, RT, GR, etc.) GR 3993', KR 4006' Perforations 4192-4690' HOLE SIZE 17-1/2" 12-1/4" V. TEST DATA AND REQUES OIL WELL (Test must be after re Date First New Oil Run To Tank 09-24-90 Length of Test 24 hrs. Actual Prod. During Test	Date Com Name of F Gray CA ST FOR A ecovery of te Date of Te Tubing Pre Oil - Bbls.	pl. Ready to 10-13- roducing Fiburg S FUBING, SING & TI 13-3 9-5 7'' ALLOW Stal volume is 0-27-9 BERITE 30	o Prod90 comstion San Ai CASI UBING 9 8/8" 6/8"	ndres NG AND SIZE	X Total Depth Top Oil/Gas CEMENTI be equal to or Producing Me Sub Casing Press Water - Bbis	5000' Pay 4192' NG RECORDEPTH SET 1550' 2800' 5000' exceed top all ethod (Flow, p) pump are	omable for the sump, gas lift,	P.B.T.D. Tubing Dep Depth Casin C1 H 17 C1 H 15 DV To C1 H 95 is depth or be acc.) Gay MCF	4764' th 4683' g Shoe SACKS CEM 00 sx c 70 sx c 001 @ 15 00 sx ci for full 24 hou	ENT ir 309 s ir 485 s 56' r 102 sx
Designate Type of Completion Date Spudded 09-06-90 Elevations (DF, RKB, RT, GR, etc.) GR 3993', KR 4006' Perforations 4192-4690' HOLE SIZE 17-1/2" 12-1/4" V. TEST DATA AND REQUES OIL WELL (Test must be after to the content of Test 24 hrs. Actual Prod. During Test	Name of F Gray CA CT FOR A Ecovery of to Date of Te Tubing Pre	pl. Ready to 10-13- roducing Fiburg S FUBING, SING & TI 13-3 9-5 7'' ALLOW Stal volume is 0-27-9 BERITE 30	o Prod90 comstion San Ai CASI UBING 9 8/8" 6/8"	ndres NG AND SIZE	X Total Depth Top Oil/Gas CEMENTI be equal to or Producing Me Sub Casing Press Water - Bbis.	5000' Pay 4192' NG RECOF DEPTH SET 1550' 2800' 5000' exceed top all ethod (Flow, pi	omable for the ump, gas lift,	P.B.T.D. Tubing Dep Depth Casin C1 H 17 C1 H 15 DV To C1 H 95 is depth or be etc.) Gay MCF	4764' th 4683' g Shoe SACKS CEM 00 sx c 70 sx c 001 @ 15 00 sx ci for full 24 hou	ENT ir 309 s ir 485 s 56' r 102 sx
Designate Type of Completion Date Spadded 09-06-90 Elevations (DF, RKB, RT, GR, etc.) GR 3993', KR 4006' Perforations 4192-4690' HOLE SIZE 17-1/2" 12-1/4" V. TEST DATA AND REQUES OIL WELL (Test must be after re Date First New Oil Run To Tank 09-24-90 Length of Test 24 hrs. Actual Prod. During Test	Date Com Name of F Gray CA CA The Covery of the Cover	pl. Ready to 10-13- roducing Fiburg S FUBING, SING & TI 13-3 9-5 7'' ALLOW Stal volume is 0-27-9 BERITE 30	o Prod90 consticution Gan A: CASII UBING: 6/8" ABLE of load of	ndres NG AND SIZE	X Total Depth Top Oil/Gas CEMENTI be equal to or Producing Me Sub Casing Press Water - Bbis.	5000' Pay 4192' NG RECOF DEPTH SET 1550' 2800' 5000' exceed top all ethod (Flow, pi	omable for the ump, gas lift,	P.B.T.D. Tubing Dep Depth Casin C1 H 17 C1 H 15 DV To C1 H 95 is depth or be etc.) Gay MCF	4764' th 4683' g Shoe SACKS CEM 00 sx c 70 sx c 001 @ 15 00 sx ci for full 24 hou	ENT ir 309 s ir 485 s 56' r 102 sx
Designate Type of Completion Date Spudded 09-06-90 Elevations (DF. RKB, RT, GR. etc.) GR 3993', KR 4006' Perforations 4192-4690' HOLE SIZE 17-1/2" 12-1/4" V. TEST DATA AND REQUES OIL WELL (Test must be after to the content of the content	Date Com Name of F Gray CA CA Tubing Pro Cil - Bbla. Length of Tubing Pro ATE OF ations of the that the information of the company o	pl. Ready to 10-13- roducing For burg S FUBING, SING & TI 13-3 9-5 ALLOW Mal volume as 0-27-9 HERE SERVICE (Shirt COMF Cil Conser rematice give	o Prod90 constice San A: CASII UBING: 5/8" ABLE of load a	ndres NG AND SIZE Dil and must	X Total Depth Top Oil/Gas CEMENTI be equal to or Producing Mi Sub Casing Press Water - Bbls. Bbls. Conden	5000' Pay 4192' NG RECORDEPTH SET 1550' 2800' 5000' exceed top all ethod (Flow, p) pump are	omable for the sump, gas lift, 199031-	P.B.T.D. Tubing Dep Depth Casin C1 H 17 C1 H 15 DV To C1 H 95 is depth or be acc.) Garante C	4764 ' th 4683 ' g Shoe SACKS CEM '00 sx c 570 sx c 501 @ 15 50 sx ci for full 24 hour	ENT ir 309 s ir 485 s 56' r 102 sx
Designate Type of Completion Date Spadded 09-06-90 Elevations (DF, RKB, RT, GR, etc.) GR 3993', KR 4006' Perforations 4192-4690' HOLE SIZE 17-1/2" 12-1/4" V. TEST DATA AND REQUES OIL WELL (Test must be after re Date First New Oil Run To Tank 09-24-90 Length of Test 24 hrs. Actual Prod. During Test GAS WELL Actual Prod. Test - MCF/D Testing Method (pitot, back pr.) VI. OPERATOR CERTIFIC I hereby certify that the rules and regulation have been complied with and	Date Com Name of F Gray CA CA Tubing Pro Cil - Bbla. Length of Tubing Pro ATE OF ations of the that the information of the company o	pl. Ready to 10-13- roducing For burg S FUBING, SING & TI 13-3 9-5 ALLOW Mal volume as 0-27-9 HERE SERVICE (Shirt COMF Cil Conser rematice give	o Prod90 constice San A: CASII UBING: 5/8" ABLE of load a	ndres NG AND SIZE Dil and must	X Total Depth Top Oil/Gas CEMENTI be equal to or Producing Mi Sub Casing Press Water - Bbls. Bbls. Conden	5000' Pay 4192' NG RECORDEPTH SET 1550' 2800' 5000' exceed top all ethod (Flow, p) pump ure 9000	omable for the samp, gas lift, 1000 of	P.B.T.D. Tubing Dep Depth Casin C1 H 17 C1 H 15 DV To C1 H 95 is depth or be acc.) Cravity of A Choice Size ATION	4764' th 4683' g Shoe SACKS CEM 00 sx c 70 sx c 001 @ 15 00 sx ci for full 24 hour	ENT ir 309 s ir 485 s 56' r 102 sx
Designate Type of Completion Date Spudded 09-06-90 Elevations (DF. RKB, RT, GR. etc.) GR 3993', KR 4006' Perforations 4192-4690' HOLE SIZE 17-1/2" 12-1/4" V. TEST DATA AND REQUES OIL WELL (Test must be after to Date First New Oil Run To Tank 09-24-90 Length of Test 24 hrs. Actual Prod. During Test GAS WELL Actual Prod. Test - MCF/D Testing Method (pitot, back pr.) VI. OPERATOR CERTIFIC I hereby certify that the rules and regulation is true and complete to the best of my in the complete set of my in the complete set of the best of my in the complete set of the best of my in the complete set of the best of my in the complete set of the best of my in the complete set of the best of my in the complete set of the best of my in the complete set of the best of my in the complete set of the best of my in the complete set of the best of my in the complete set of the best of	Date Com Name of F Gray CA CA CA CA Date of Te Date of Te Tubing Pre Dil - Bbla. Length of Tubing Pre ATE OF stions of the that the informowledge are	pl. Ready to 10-13-roducing Fiburg S FUBING, SING & TI 13-3 9-5 ALLOW, Stall volume as 0-27-9 Essure Shute COMF Cil Conser resation give and belief.	o Prod. 90 consticution Gan A: CASII UBING: 9/8" ABLE of load of	ndres NG AND SIZE Dil and must	X Total Depth Top Oil/Gas CEMENTI be equal to or Producing Mi Sub Casing Press Water - Bbls. Bbls. Conden	5000' Pay 4192' NG RECORDEPTH SET 1550' 2800' 5000' exceed top all ethod (Flow, p) pump ure 9000	omable for the smp. gas lift. Tolding to the smp. gas lift. Tolding to the smp. gas lift. Tolding to the smp. gas lift.	P.B.T.D. Tubing Dep Complete Casin Complete Casin Complete Com	4764' th 4683' g Shoe SACKS CEM 00 sx c 70 sx c 001 @ 15 00 sx ci for full 24 hour	ENT ir 309 s ir 485 s 56' r 102 sx
Designate Type of Completion Date Spudded 09-06-90 Elevations (DF, RKB, RT, GR, etc.) GR 3993', KR 4006' Perforations 4192-4690' HOLE SIZE 17-1/2" 12-1/4" V. TEST DATA AND REQUES OIL WELL (Test must be after to Date First New Oil Run To Tank 09-24-90 Length of Test 24 hrs. Actual Prod. During Test VI. OPERATOR CERTIFIC I hereby certify that the rules and regulated Division have been complied with and its true and complete to the best of my is Signature R. B. De Soto Engir	Date Com Name of F Gray CA CA Tubing Pro Cil - Bbla. Length of Tubing Pro ATE OF ations of the that the information of the company o	pl. Ready to 10-13-roducing Fiburg S FUBING, SING & TI 13-3 9-5 ALLOW, Stall volume as 0-27-9 Essure Shute COMF Cil Conser resation give and belief.	o Prod90 comstice San Ai CASI UBING 9 6/8" ABLE of load of	ndres NG AND SIZE Dil and must	X Total Depth Top Oil/Gas CEMENTI be equal to or Producing Mi Sub Casing Press Water - Bbls. Bbls. Conden Casing Press Date By By	5000' Pay 4192' NG RECORDEPTH SET 1550' 2800' 5000' exceed top all ethod (Flow, p) pump ure 9000	omable for the smp. gas lift. Tolding to the smp. gas lift. Tolding to the smp. gas lift. Tolding to the smp. gas lift.	P.B.T.D. Tubing Dep Complete Casin Complete	4764' th 4683' g Shoe SACKS CEM 00 sx c 70 sx c 001 @ 15 00 sx ci for full 24 hour	ENT ir 309 s ir 485 s 56' r 102 sx
Designate Type of Completion Date Spudded 09-06-90 Elevations (DF. RKB, RT, GR. etc.) GR 3993', KR 4006' Perforations 4192-4690' HOLE SIZE 17-1/2" 12-1/4" V. TEST DATA AND REQUES OIL WELL (Test must be after to Date First New Oil Run To Tank 09-24-90 Length of Test 24 hrs. Actual Prod. During Test GAS WELL Actual Prod. Test - MCF/D Testing Method (pitot, back pr.) VI. OPERATOR CERTIFIC I hereby certify that the rules and regulation is true and complete to the best of my in the complete set of my in the complete set of the best of my in the complete set of the best of my in the complete set of the best of my in the complete set of the best of my in the complete set of the best of my in the complete set of the best of my in the complete set of the best of my in the complete set of the best of my in the complete set of the best of my in the complete set of the best of	Date Com Name of F Gray CA CA This of Telescovery of u Date of Telescovery of u Date of Telescovery of u Date of telescovery of u Tubing Pro ATE OF account of the that the info on ownedge as a complete of the the that the info on ownedge as a complete of the the that the info on ownedge as a complete of the the the the the info on ownedge as a complete of the the the the the the the the the the	pl. Ready to 10-13-roducing Fiburg S burg S TUBING, SING & TI 13-3 9-5 TUBING & TEST TUBING S TUBING S TUBI	o Prod. 90 ormstion Gan A: CASII UBING: 8/8" ABLE of load of 00 I-m) PLIAN vation en above	ndres NG AND SIZE Dil and must	X Total Depth Top Oil/Gas CEMENTI be equal to or Producing Mi Sub Casing Press Water - Bbis. Bbis. Conden	5000' Pay 4192' NG RECORDEPTH SET 1550' 2800' 5000' exceed top all ethod (Flow, p) pump ure 9000	omable for the smp. gas lift. Tolding to the smp. gas lift. Tolding to the smp. gas lift. Tolding to the smp. gas lift.	P.B.T.D. Tubing Dep Complete Casin Complete Casin Complete Com	4764' th 4683' g Shoe SACKS CEM 00 sx c 70 sx c 001 @ 15 00 sx ci for full 24 hour	ENT ir 309 s ir 485 s 56' r 102 sx

- 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 filled for each pool in multiply completed wells.

P.O. Drawa DD, Artesia, NM 88210

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

Energy, Minerals and Natural Resources Department

Santa Fe, New Mexico 87504-2088

OIL CONSERVATION DIVIS P.O. Box 2088

I.	REQUEST						UTHORI URAL G		ION	W	ELL FI	E
Operator	101	חאו	NOF OF	11 OIL	. 110 11	<u> </u>	OI IAL C	70	Well A	PI No.		
Texaco Producing Inc									30-0)25-3084	4	
Address	······································									300.		
P.O. Box 730, Hobbs,	NM 88240)			<u>-</u>							
Reason(s) for Filing (Check proper box)						Other	(Please exp	lain)				
New Well			Transporter	of:								
Recompletion	Oil		Dry Gas][-						
Change in Operator	Casinghead Gas	<u> </u>	Condensate	<u> </u>						·		
if change of operator give name and address of previous operator	<u></u>											
IL DESCRIPTION OF WELL	ANDIFACE											
	997.40	No.	Pool Name	Includi	ng Formatio	**			Kind o	f Lease	T L	ease No.
Vacuum Graybur San Andres Uni	14	- 1			-		San And	ires	State,	Federal or Fe		
Location									·		- 	
Unit Letter H	. 1250	1	Feet From	The E	ast 1	ine s	nd 19	980	Fe	et From The	North	Line
	•		. • • • • • • • • • • • • • • • • • • •									
Section 1 Township	18-S	1	Range	34	<u>-Е</u>	NMI	PM,		Lea	1		County
					·	_		-				
III. DESIGNATION OF TRAN				NATU			- 4 4 4	.1.7.1				
Name of Authorized Transporter of Oil	LX	ndens			i .				• •		orm is to be st	ert)
Texas New Mexico Pip Name of Authorized Transporter of Casing			or Dry Gas							M 8824	orm is to be st	1
Texaco Producing Inc		, ۱	or Diy Ga	• •	1		425, I		• •		8260	pe)
If well produces oil or liquids,	Unit Sec.	(·	Twp.	Ree	Is gas actu			<u> </u>	When		0200	
give location of tanks.	F 2	•	18-S	-		Ye			i		08-90	
If this production is commingled with that i	rom any other leas	e or po	ool, give o	ommingl	ing order nu	mbe	r:		-			
IV. COMPLETION DATA												
Designate Time of Completion	Oil 1		Gas	Well	New We	n	Workover	D	еереа	Plug Back	Same Res'v	Diff Res'v
Designate Type of Completion		X			X Total Dept						<u> </u>	1
Date Spudded	Date Compl. Read	-			100% Debr	Д	5000	,		P.B.T.D.		
08-21-90 Elevations (DF, RKB, RT, GR, etc.)	Name of Producing				Top Oil/Ga	ıs Pa	<u>5000'</u>			Tubing Dep	4790'	
GR 3983', KB 3996'	J			* ***			, 4208'	ì		Tubing Dep	4694'	}
Desforations	Grayburg				0.045.0					Depth Casin		
4208-18,4330-34 4400',4404-06,08-10 2J	(,48-3 0,36- (SPF-72 hol	-6U, les.	4429	,80-8 -34,3	32,84-8 36-38.4	16-	91-93,4 48.64-7	+396 72.9	2-96			
4501-06,15-20,30-32,72-	76. TUBIN	VG, (CASING	AND	CEMEN	TIN	G RECOP	SD.	4614-	-24¹ 2 J	SPF-94	holes.
HOLE SIZE	CASING	& TUE	BING SIZI			D	EPTH SET				ACKS CEM	
17-1/2"		3-3/					560 '					ir 180 sx
12-1/4"	9	9-5/	/8"			2	800'					<u>ir 510 sx</u>
9.2//1		711					0001				01 @ 16	
8-3/4" V. TEST DATA AND REQUES			RIF		L		000'			ICL H 90	<u>U sx C1</u>	r 30 sx
OIL WELL (Test must be after re				and must	be equal to	or ex	rceed top all	lowabl	e for this	depth or be j	or full 24 hou	rs.)
Date First New Oil Run To Tank	Date of Test						od (Flow, p				<u></u>	
09-08-90	09-17-	-90			Sub	Pu	mp					
Length of Test	Tubing Pressure				Casing Pre	saure	;			Choke Size		
24 hrs										0 1/05		
Actual Prod. During Test	Oil - Bbls.				Water - Bb		2.2			Gas- MCF	16	
	425						32			<u> </u>	15	
GAS WELL												
Actual Prod. Test - MCF/D	Length of Test				Bbls. Cond	ien 11	ie/MMCF			Gravity of C	ondensate	
					A		7 6 0 a 151			Chala Can		
Testing Method (pitot, back pr.)	Tubing Pressure (Shut-n	D)		Casing Pre	##IIITE	(SOUE-LE)			Choke Size		
										l		
VI. OPERATOR CERTIFICA				E	!	0	II CON	NSF	RV	MOITA	DIVISIO	N
I hereby certify that the rules and regula Division have been complied with and t	tions of the Cil Co	ESCEVA GIVEN	u showe							กลา	DIVISIO	igh
is true and complete to the best of my k										, •	n •:	. 7
0110	/				Da	ie v	Approve	- u				
Kichard Nester	R)				D.,			Į	Orig. S	نابر		
Signature		- T	. L		Ву			<u>ئۇ</u>	Paul	Kautz		
R. B. DeSoto Er	ngineering		chnici Title	an		_		82	THE TOO	logist		
09-28-90	(505) 39	-	7191		Titl	e_		<u> </u>			40.20	131
Date .			hose No.								9101112	-10 14 ₇₅
										/:		
INSTRUCTIONS: This form	n is to be filed i	in co	mpliance	with I	kule 1104	1				56.	* * S	

 Request for allowable to heary with Rule 111.
 All sections of this form must be filled out for allowable on new and recompleted wells.
 Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
 Separate Form C-104 must be filled for each pool in multiply completed wells. 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation taken in accordance

ropriste District Office P.O. Box 1980, Hobbs, NM 88240

Energy, Minerais and Natural Resources Departme OIL CONSERVATION DIVISION

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

P.O. Box 2088

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

Santa Fe, New Mexico 87504-2088

I. /			_				TURAL G		ION				
Operator		9 11 17	1101	0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				Well .	API No.			
Texaco Producin	g Inc.							ļ	30-	-025-308	301		
P.O. Box 730, H	lobbs, N	——— М 882	240		-						1 20	Mult.	1.51
Reason(s) for Filing (Check proper box)						Ou	het (Please exp	riain)			1,		
New Well		Change in			-								
Recompletion	Oil Codostantes	<u>ا</u>	Dry C	_	J 1	-							
Change in Operator If change of operator give name	Casinghead	GEE	Cond	comic [<u>. </u>				-				
and address of previous operator													
IL DESCRIPTION OF WELL	AND LEA	SE											
Lesse Name Vacuum Graybu	-6	Well No.	1		uding Form					of Lesse Federal or F			228 No.
San Andres Un	it	154	Vac	uum Gi	raybur	g S	an Andre	S	State,	recent or r	8.	<u> 5794</u>	8
Location Unit LetterB	_ :6	60	. Feet I	From The .	North	_ Lio	ne and1	331	Fe	et From The	Eas	st	Line
Section 2 Townshi	p 18	8S	Range	£ 3	34E	, N	МРМ,		I	.ea			County
			_					_					
III. DESIGNATION OF TRAN Name of Authorized Transporter of Oil		or Conden		ND NAT			ve address to w	uhich an		com of this	form in to		1
Texas New Mexico Pi	[A]		1200		i		ox 2528,	-	•		•	, oe 36	~ .)
Name of Authorized Transporter of Casin		\overline{X}	or Dr	y Gas			ve address to w					be se	
Texaco Producing In	-	بعث			~		ox 1137.		-		3231		,
If well produces oil or liquids,	•	-	Twp.	•		ctrail	ly connected?	Ī	When		_		
we location of tanks.	F	2	18				Yes .			05-	<u>-09-90</u>)	
If this production is commingled with that IV. COMPLETION DATA	from any other	riesse or i	pool, g	ive commi	ngling order		ber:	 .					
Designate Type of Completion	- (X)	Oil Well		Gas Well	New X	Well	Workover	De	epen	Plug Back	Same R	es'v	Diff Res'v
Date Spudded	Date Compl		Prod		Total D	epth	.1	-1		P.B.T.D.	_1		
04-27-90		06-02-					5000	1		i	490	001	
Elevations (DF, RKB, RT, GR, etc.)	Name of Pro	•			Top Oil	/Gas	-	_		Tubing De	•	-	
GR 4000' KB 4013'	Graybı	urg Sa	an A	ndres			4326	'		Depth Casi	431	<u>.9'</u>	
SEE ATTACHME	, .	26-4		·						Depail Call			
					D CEME	NTI	NG RECOR				010/0		-1 C
HOLE SIZE 12-1/4"	CAS	ING & TU	5/8"				1550'			1	SACKS		
8-3/4"	<u> </u>	<u>9-3</u>	0/0		-		5000'						ir 175 s ir 200 s
	<u> </u>	2-7	7/8"		1		4319 '			<u>, y= ,, ,</u>		<u> </u>	11 200 0
V. TEST DATA AND REQUES		LLOWA	BLE					laura bila	for this	d	(4.II 3		diffic
OIL WELL (Test must be after n Date First New Oil Run To Tank	Date of Test		of load	ou and mi			ethod (Flow, p				jor juli 2	~~	Killing
05-09-90	Date of 16%	06-06	5-90				A Sub Pu		, .	ŕ		11.	J'all I
Length of Test	Tubing Press				Casing					Choke Size	,		7 3
24 hrs										Gas- MCF			
Actual Prod. During Test	Oil - Bbls.	1.0			Water -	ROIL				UZE- MCF	70		ĺ
	1	18	3 /				476			<u> </u>	79_		
GAS WELL Actual Prod. Test - MCF/D	Length of Te	est			Bbls. C	onden	mie/MMCF		_	Gravity of	Condensa	ie	
esting Method (pitot, back pr.)	Tubing Press	ure (Shut-	m)		Casing	resa	ure (Shut-in)			Choke Size			
VL OPERATOR CERTIFIC	ATE OF		TTAP	VCF	1					1			
I hereby certify that the rules and regula		_					DIL CON	VSE	RV	NOITA	DIVIS	SIO	N
Division have been complied with and t is true and complete to the best of my k	that the inform	nation give		•		ate	Approve	ed			JUI	N 2	2 1990
Richard Dootet	Σ	_	 			y		RIGIN	AL SI	GNED BY	JERRY	SEX	
Signature R. B. DeSoto	Engineer	ring T	Cechi	niciar	11	, —			DISTR	HCT I SUP	ERVISC	JK .	
Printed Name 06-20-90	(505)	_	Title		11	itle .	<u> </u>			·			
Date			hone à	<u></u>	- II								

- 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.

DISTRICT II P.O. Drawer DD, Arlesia, NM 88210 P.O. Box 2088
Santa Fe, New Mexico 87504-2088

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION

<u>I</u>	TOTF	IANSPORT OIL	AND NA	TURAL G				
Operator						API No.		
Texaco Producing I	nc.				30	-025-308	300	
Address	.m. 600/5							
P.O. Box 730, Hobb			· ·					
Reason(s) for Filing (Check proper box		in Tours of the		et (Please expl	air)			
New Well AX	• • • • • • • • • • • • • • • • • • • •	in Transporter of:						
Recompletion U	Oil L	Dry Gas Condensate	-	-	NAMES T	EN F		
Change in Operator I change of operator give name	Casinghead Gas				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Fill. L.		
ad address of previous operator								
•	I AND I DACE							
L DESCRIPTION OF WELL		. Pool Name, Include	ing Formation		Kind	of Lease	1	tase No.
Vacuum Grayb San Andres U	,urg	Vacuum Gr	-	San Andre	0-4-	Federal or Fee		
Location	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		aybulg	Dan Midi	-3		102/2	40
A	. 660	Feet From The	North		ء 10		East	
Unit Letter A	:	Feet From The	HOT CIT	e and	Fe	et From The _	Last	Line
Section 2 Towns	hin 18S	Range 34	E N	мрм.		Lea		County
30000 - 10WE	uip	Range .					····	COLLINY
II. DESIGNATION OF TRA	NSPORTER OF	OIL AND NATU	RAL GAS					
Name of Authorized Transporter of Oil				e address to w	hich approved	copy of this fo	rm is to be 34	m)
Texas New Mexico F	[A]	<u> </u>	1	ox 2528,				
Name of Authorized Transporter of Cas		or Dry Gas		re address to wi				PE)
Texaco Producing I				ox 1137,				•
If well produces oil or liquids,	Unit Sec.	Twp. Rge.		ly connected?	When		- • · · · · · · · · · · · · · · · · · · 	,
ive location of tanks.	F 2	18S 34E	_	Yes	1	05-2	29-90	
f this production is commingled with th	at from any other lease	or pool, give comming!	ing order num	ber:				
V. COMPLETION DATA								
	Oil W	ell Gas Well	New Well	Workover	Doepen	Plug Back	Same Res'v	Diff Res'v
Designate Type of Completio	n - (X)	X	X		1			1
Date Spudded	Date Compl. Ready	to Prod.	Total Depth			P.B.T.D.		
05-06-90		-24-90		5000	<u>o'</u>	<u>:</u>	4650'	
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing		Top Oil/Gas			Tubing Dept	h	
GR 4019', KB 4032'	Grayburg	San Andres		4268	<u>8'</u>	!	44281	
Perforations						Depth Casing	g Shoe	
4268-4630						<u> </u>		·
		G, CASING AND				,		
HOLE SIZE		TUBING SIZE		DEPTH SET			ACKS CEM	
12-1/4"		<u>-5/8"</u>		1550'			000 sx (
8-3/4"		7 /011		5000'				Cir 175
		-7/8"	1	4428'		1891011	1270	
TECT DATA AND DECLU	CCT FOR ALLOY	UADIE	<u> </u>			10-	- 433	 -
V. TEST DATA AND REQUIDED IL WELL (Test must be after	est FUR ALLUV rrecovery of total volum	V PLD Lies so of lood oil and must	he equal to o	exceed too all	/ • • •		ر الأنظر 24 المام معا	I
Date First New Oil Run To Tank	Date of Test	e oj toda ou ana musi	Producing M	ethod (Flow, pu	omn eas lift o	161 1933	7/1	<u>, (3.)</u>
05-29-90	06-28-	00	Sub	n	4. 9	11. 8/11		50
Length of Test	Tubing Pressure	90	Casing Press			Cheke Size	Wig Co	31
24 hrs.	I doing Liessue				945) 1970	6/1/	Š	آ /
Actual Prod. During Test	Oil - Bbls		Water - Bbis		<u> </u>	Gas-MCF		/
The same and		37		241		.	67	
		<u> </u>	<u>!</u>				_0/	
GAS WELL	-11 3 7		Vibra Carda	A D (CE		10		
Actual Prod. Test - MCF/D	Length of Test	•	BOIL CORDE	BRIE/MMCF		Gravity of C	CHOCK SALE	
Series Marked (Sine Last as	Tubing Pressure (Sh	uid-in)	Caging Drace	ure (Shut-in)		Choke Size		
esting Method (pitot, back pr.)	I munik Lizestie (20	······································	Caning Fices	(340		
			 			<u> </u>		
VL OPERATOR CERTIFI				OIL CON	ISERV	ATION I	אועופור	M
I hereby certify that the rules and reg			'	JIL OON			71 4 101C	/ (V
Division have been complied with an is true and complete to the best of m				_	A	UG - 6	4000	
IN TARE WIND COMPLEXE TO THE DEST OF IN	y anowange and belief.	•	Date	Approve	q	30 : B	1990	
$ \nu$ \wedge \wedge \wedge	Not.							*. * . f
NY NOW Y	16 NOW		∥ By_	OR!		122 DA 12.		32.1
Signature R. B. DeSoto Er	ngineering Te	chnician	-, -		\$711.85°	T v drahižar.		
Printed Name	-0	Title	Title					
08-01-90	(505) 393-71	91	11 11110					
Date .		elephone No.	11					

- 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.

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II P.O. Drawer DD, Arlesia, NM 88210 P.O. Box 2088
Santa Fe, New Mexico 87504-2088

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Operator							Well	API No.		
/ Texaco Producing	Inc.							30-025-30	0851	
Address										
P.O. Box 730, Hot	bs, NM	88240			-					
Reason(s) for Filing (Check proper box)					Ouh	es (Please expl	ам)			
New Well		Change in T	•	r of:						,
Recompletion	Oil	_	Dry Gas		_	-				
Change in Operator	Casinghea	d Gas 📙 🤇	Condensa							
If change of operator give name and address of previous operator		. <u></u> .								-
IL DESCRIPTION OF WELL	AND LEA	SE								
Lease Name Vacuum Graybur	g	Well No. P	Pool Nam	e, Includi	ng Formation			i of Lesse		ease No.
San Andres Uni	t	156	Vacu	um Gr	ayburg S	San Andr	es Sum	Federal or Fee	8579	48
Location C	. 66	.0 -		_ N	orth Lin	. and 13:	30		West	••
Ome Detter	- :	F						Feet From The _	11000	Line
Section 1 Townshi	ip 18S	F	Range	34E	, NI	мрм,		Lea		County
III. DESIGNATION OF TRAN Name of Authorized Transporter of Oil		or Condense		NATU	RAL GAS	a address to w	Liek ennen	ed copy of this fo	in to be a	
•	_AA				1		• • •			(A)
Texas New Mexico Pip Name of Authorized Transporter of Casin			or Dry Ga					NM 882		
Texaco Inc.	gnead Oas	<u> </u>	я му С	•	1			on, NM		(Mar)
If well produces oil or liquids.	Unit	Sec. 17	Twp.	Poe	is gas actuali		When I was		30200	
give location of tracks.	F	2	185	34E	1	Yes		11/04	/90	
If this production is commingled with that IV. COMPLETION DATA	from any other	er lease or po	ool, give	commingl	ing order numi	ber:				
Designate Type of Completion	.00	Oil Well	Car	Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Data Spudded		X . Ready to F			Total Depth	<u> </u>	<u>i</u>	P.B.T.D.		-
20/09/90						E0001			/ O 1 E f	ļ
Elevations (DF, RKB, RT, GR, etc.)		/03/90 oducing For			Top Oil/Gas	5000'		Tubing Dept	4815'	
GR 3998', KB 4011'	1	-		C A	i .	-		1 .		1
Perforations	vacuu	ım Grayl	burg	<u>san A</u>	nares	4226'		Depth Casing	4188 † z Shoe	
4226-4680'							ž.		•	
4220-4000	т	UBING. C	CASINO	AND	CEMENTI	NG RECOR	D	 		
HOLE SIZE		SING & TUE				DEPTH SET		S	ACKS CEM	ENT
17-1/2"		13-3/	8"			1560'		C1 H 1	700 sx	Cir 359 s
12-174"		9-5/	8''			2820'				Cir 310 s
								DV to	01 @ 16	20'
8-3/4"		7"_				5000'		C1 H 9	00 sx C	ir 100 sx
V. TEST DATA AND REQUES										
OIL, WELL (Test must be after r	ecovery of tol	al volume of	load oil	and must					or full 24 hou	FS.)
Date First New Oil Run To Tank	Date of Test				_	shod (Flow, pu	160	felch to face	*. _v	
11-04-90	<u> </u>	11-09-	- 90			<u>Sub pump</u>	/10	A	· · · · · · · · · · · · · · · · · · ·	
Length of Test	Tubing Pres	ante			Casing Pressu	ure /	(O)	Choke Size	` `	
24	1				Water - Bbls.		7 6	FUG: MCE		
Actual Prod. During Test	Oil - Bbls.	10.	-		Water - Dole	695	(c)	eceived		
		107	<u>/</u>			690	: P	Texaco	101	
GAS WELL							(4K)	whopps Hios	<u> </u>	
Actual Prod. Test - MCF/D	Length of T	ध्य			Bbis. Conden	ste/MMCF	1.4	Gravity of C	Ondensale	
	<u> </u>				A		<u> </u>	· 2	<u>/</u>	
Sesting Method (pitot, back pr.)	lubing Pres	sure (Shut-in	1)		Casing Press.	ire (Snuii⊣ii)	·** .	Choke Size		
VL OPERATOR CERTIFIC	ATE OF	COMPI	IANO	F						
I hereby certify that the rules and regula				٠.		DIL CON	ISERV	/ATION [DIVISIO	N
Division have been complied with and I								DEC.	1 2 199	חנ
is true and complete to the hear of my k					عزيم ال	1	ci .		1 6 133	JŲ
$D \cdot D \cdot D \wedge$	VA /				السالم	·	u			
_ Kichard L) pan	\mathcal{O}				Cn.		w .		
Signature			_		By		5,000	F. 14	 	'\'\
	ngineer		•	<u>ian</u>			** ~***	16.2.10	1.0	
Printed Name 12-07-90	(505		ัเป๋ย 7101		Title.					
Date .	כטכן		/191 cos No.							_
		. 5-4945			ll					

- 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.

Submit 5 Copies
Appropriate District Office
DISTRICT 1
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II P.O. Drawer DD, Artesia, NM 88210 Energy, Minerals and Natural Resources Department
OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Revised 1-1-89
See Instructions
at Bottom of Page

Operator							461	API No.		
Texaco Producing I	nc.						30-	-025-30	717	
ddress	·····			······						
P.O. Box 730, Hobb	s, NM 88	3240								
lesson(s) for Filing (Check proper ba					Oth	et (Please expl	ain)			
New Well XX	•	Change in	Такко	inter of:						
Recompletion	Oil		Dry Ga							
· —		46	Conde	_	_					
Change in Operator	Casinghea	- CALL	Conde							·
change of operator give name ad address of previous operator										
L DESCRIPTION OF WEL	L AND LEA	ASE								
Vacuum Gray San Andres	burg	Well No.	Pool N	ame, Includ	ing Formation		,	of Lesse		Lease No.
San Andres	Unit	157	Vac	enna Gi	ravburg	San Andr	es State.	, Federal or F	₩ 8579) 48
ocation	. <u></u>				7					
Unit Letter C		710		_ 1	North	. 2	530 F		. West	
Unit LetterC	:	/10	Feet Fr	om The	North Lin	e and	<u> </u>	eet From The		Line
Section 1 Town	ushin 18-	-S	Range	34-	-E N	мрм,		Lea		County
Socioli ~ 10wi	mip 10	. <u> </u>	Vanke			Att IAT	-			County
I. DESIGNATION OF TR				D NATU		<u></u>				
ame of Authorized Transporter of Oi	1 1 1	or Condens	rate .		1	e address to w			-	sent)
Texas New Mexico P		Co.				ox 2528,				
lame of Authorized Transporter of Ca	_	XX	or Dry	Gas 🗔	1 '	ne address 10 w			•	sent)
✓ Texaco Producin g I	nc.				P.O. B	ox-1137,	Euni ce	,- NM 8	8231	
f well produces oil or liquids,	Unit	Sec.	Twp.	Rge	is gas actuali	y connected?	When	-		
ve location of tanks.	F	2	18S	34E		Yes	1	08	-06-90	
this production is commingled with the	as from any oth	er lease or p	ool, giv	e comming	ing order num	ber:				
V. COMPLETION DATA				*						
		Oil Well	7	Jas Well	New Well	Workover	Doepen	Plug Back	Same Res'v	Diff Resv
Designate Type of Completic	on - (X)	X	i	•	X	İ	1	1	İ	i
ate Spudded	Date Comm	L Ready to	Prod.		Total Depth	-	•	P.B.T.D.		
06-27-90	1 -	08-11-9			1	5000'			4990'	ı
levations (DF, RKB, RT, GR, etc.)	Name of Pr				Top Oil/Gas			Tubing De		
		-				_		I moing De	•	,
GR 3993' KB 4006'	Grayi	ourg Sa	an Ar	ndres		4178'		Dorth Con	4880'	
erforations								Depth Cas	-	
4178-4258' 2 JSPF-								<u>' 2 JSPF</u>	<u>-52 hole</u>	<u> </u>
	T	UBING,	<u>CASI</u>	<u>NG AND</u>	CEMENTI	NG RECOR	D			
HOLE SIZE	CAS	UT & DAK	BING S	IZE	1	DEPTH SET			SACKS CEN	<u>AENT</u>
22"		18-5/	/8"		i	415'		C1 H	900 sx (Cir 275 s
17-1/2"		13-3/	/8"		1	1545'		C1 H 1	500 sx 0	Cir 380 s
12-1/4"	<u> </u>	9-5/				2800'				Cir 300 s
8-3/4"		711		-		5000'				rs @ 1510
. TEST DATA AND REQU	FST FOR A	LLÓWA	RLE		<u>.</u>	3000		; 01 11	000 3A 1	<u>.0 6 1710</u>
IL WELL (Test must be afte				il and mus	he equal to or	exceed ton allo	numble for this	e denth ar he	for full 24 hos	ere i
ute First New Oil Run To Tank	Date of Test		, 1000 0	4 6/23 //453		thod (Flow, pu			<i>yor y</i> =. 2 + <i>1</i> =.	
	Date of 168					•	,, p., gas 191, s	 .,		
08-06-90		08-20	<u>)-90</u>		Sub Pu			Choke Size	 _	
ength of Test	Tubing Pres	arie			Casing Pressu	Æ		Choke Size		
24 hours					1	•				
ctual Prod. During Test	Oil - Bbls.				Water - Bbls.			Gas- MCF		
		32				797			43	
AS WELL										
chial Prod. Test - MCF/D	Length of To	-et			Bbls. Condens	ate/MMCE		Gravity of	Ondenesta	
4 1000 4 1000 - 111001 /D	-cugui or 10				JULE CARRELL			CLEVILY OF		
Mina Markara C. N. J. J. J.	Tubing Page		-\		Casing Pressu	m (Chim in:		Onche Cia		
ting Method (pilot, back pr.)	Tubing Press	-u- (30U-0	u)		Carried Literatur	(BFAHA)		Choke Size		
								l		
L OPERATOR CERTIFIC	CATE OF	COMPL	JAN	CE		^^	<u> </u>		5 11.461.5	
I hereby certify that the rules and reg						IL CON	SERVA	ŧПQЩ,	IJŖĮŲ	10a
Division have been complied with an						IL CON		81	トーとい	טענ
is true and complete to the best of my					1					
^ .	1				Date	Approved	·			
Kich and Al	a Arti	-		. [Orio Si	igned by	/20	3031
Simon N.	typu			—— i	By		Paul	Kautz	128 1	
R. B. DeSoto En	ngineerin	o Tech	nici	an			Geo	logist	792	
Printed Name	. HALLOCE TH		itie	<u> </u>			Minney.			The section
	(505) 393			.	Title_				(E)	
Date .	(303) 373		ose No.						4 1	25 13

1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests (alten in accordance

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

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

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

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

with Rule 111.

Submit 5 Copies
Appropriate District Office
DISTRICT!
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

Form C-104 Revised 1-1-89 See Instructions at Bottom of Page

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

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

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

Contained Cont	000 Rio Brazos Rd., Azzec, NM 87410		BLE AND AUTHORIZATIO	N
Season Part	·			ell API No.
P. O. BOX 730, Hobbs, NN 88240 Research for filing (Chebr Proper bur) **General Description of Configuration of Change in Transporter of Change in Configuration of Change in Configuration of Change in Configuration of Proposed Configuration of Confi	Texaco Producing Inc	2.		30-025-30718
Change of Pilling (Cheat proper host) Change in Transporter of Change of Operator give nature	· 	NM 88240	•	
Contagnetion Coll		,	Other (Please explain)	
Continged of common by an anne and stellands of previous operators Lange of copyratory or name and stellands of previous operators Lange of previous operators Lange of previous operators San Andres Unit 158 Vacuum Grayburg San Andres State_Federal or Fee 857948 Location Vacuum Grayburg Weel No. Pool Name, including Formation Unit Letter B 6660 Feet From The North Line and 1330 Feet From The East Section 1 Township 188 Range 34E NoMPM. Lea C. In Description Of Transprorer of Company 188 Range 34E NoMPM. Lea C. In Description Of Transprorer of Company 188 Range 34E NoMPM. Lea C. In Description Of Transprorer of Company 188 Range 34E NoMPM. Lea C. In Description Of Transprorer of Company 188 Range 34E NoMPM. Lea C. In Description Of Transprorer of Company 188 Range 34E NoMPM. Lea C. In Description Of Transprorer of Company 188 Range 34E NoMPM. Range 188 Range 4 Authorities 188 Range 54E NoMPM. Range 188 Range 6 Authorities 188 Range 74E No. Company 188 Ran	√ew Well ∑	Change in Transporter of:		
Compared of Operator give name and address of Great or give transport of Cardyburg San Andres San San Andres San Andres San Andres San Andres San Andres San Andres San Andres San Andres San Andres San San San San San San San San San San	· —	_ · _		
Lase Name Vacuum Grayburg San Andres Unit 158 Vacuum Grayburg San Andres Unit 158 Vacuum Grayburg San Andres Unit 158 Vacuum Grayburg San Andres Unit 158 Vacuum Grayburg San Andres San Andres Unit 158 Vacuum Grayburg San Andres San Andres San Andres Unit 158 Vacuum Grayburg San Andres San Andres San Andres Unit Letter B 660 Feet From The North Line and 1330 Feet From The East Section 1 Township 188 Range 34E NOMPM. Lea College San Andres San Andre		Casinghead Gas Condensate		
Sean Andres Unit 158 Vacuum Grayburg San Andres State Federal or Fee 857948 Contion Unit Letter B 660 Feet From the North Line and 1330 Feet From the East Contion Section Township 188 Rage 34E NMPM Lea Co. I. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS Section Township Land Co. P. O. Box 2428 Robbs NM 88240 Taxas New Mexico Pipe Time Co. P. O. Box 2428 Robbs NM 88240 Taxas New Mexico Pipe Time Co. P. O. Box 2428 Robbs NM 88240 Taxas New Mexico Pipe Time Co. P. O. Box 2428 Robbs NM 88240 Taxas New Mexico Pipe Time Co. P. O. Box 2428 Robbs NM 88240 Taxas New Mexico Pipe Time Co. P. O. Pox 2428 Robbs NM 88240 Taxas New Mexico Pipe Time Co. P. O. Pox 2428 Robbs NM 88240 Taxas New Mexico Pipe Time Co. P. O. Rage Is parability connected? When 7 Taxas New Mexico Pipe Time Co. P. O. Rage Is parability connected? When 7 Taxas New Mexico Pipe Time Co. P. O. Rage Is parability connected? When 7 Taxas New Mexico Pipe Time Co. P. O. Rage Is parability connected? When 7 Taxas New Mexico Pipe Time Co. P. O. Rage Is parability connected? When 7 Taxas New Mexico Pipe Time Co. P. O. Rage Is parability connected? When 7 Taxas New Mexico Pipe Time Co. P. O. Rage Is parability connected? When 7 Taxas New Mexico Pipe Time Co. P. O. Rage Is parability connected? When 7 Taxas New Mexico Pipe Time Co. Rage P. O. Rage Is parability connected? P. O. Rage Is parability connected? P. O. Rage Is parability connected? P. O. Rage Is parability connected? P. O. Rage Is parability connected? P. O. Rage Is parability connected? P. O. Rage Is parability connected? P. O. Rage Is parability connected? P. O. Rage Is parability connected? P. O. Rage Is parability connected? P. O. Rage	change of operator give name ad address of previous operator			
San Andres Unit 158 Vacuum Grayburg San Andres State_Federal or Fee 857948 B			<u></u>	****
Unit Letter B 660 Fost From The NOTTH Line and 1330 Feet From The East Section 1 Township 185 Range 34E NOTM, Lea Co II. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS Sums of Authorized Transporter of Oil CO. P.O. Box 2428, Hobbs, NM 88240 TEXAS New Mexico Pipe Line Co. P.O. Box 2428, Hobbs, NM 88240 Lams of Authorized Transporter of Canaghead Gas XD or Dry Cas Address (Give address to which approved copy of this form is to be sent) TEXAS New Mexico Pipe Line Co. P.O. Box 2428, Hobbs, NM 88240 Lams of Authorized Transporter of Canaghead Gas XD or Dry Cas Address (Give address to which approved copy of this form is to be sent) TEXACO Proceedings in Co. P.O. Box 2428, Hobbs, NM 88240 Lams of Authorized Transporter of Canaghead Gas XD or Dry Cas The Control of Cash Pipe Line Co. P.O. Box 1137, Europe of this form is to be sent) TEXACO Proceedings (Give Authorized Transporter of Cash Pipe Line Co. P.O. Box 1137, Europe of this form is to be sent) F 2 185 34E Yes 07-72-90 The Designate Type of Completion · (X) X X X X Designate Type of Completion · (X) X X X X X X X X X X X X X X X X X X			_	
Unit Letter B 660 Feet From The North Line and 1330 Feet From The East Section 1 Township 18S Range 34E NMPM, Lea C T. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS Authorized Transporter of OI NT or Condemates Address (Give address to which approved copy of that form as obe sent) TEXAS New Mexico Pipe Tine Co. 1 P. O. Box 2428, Hobbs, NM 88240 1 P. O. Po. Box 2428, Hobbs, NM 88240 1 P.		ilt 158 Vacuum Gr	ayburg San Andres	85/948
International Content Inte	D	. 660 Feet From The _	North Line and 1330	Feet From The East Line
International Content Inte	Santian] Tamahi	: 18S Barra 34	E NROTEA	I ea
Texas New Mexic o Fipe Line Co. Texas New Mexic o Fipe Line Co. Address (Give address to which approved copy of this form us to be seed) Texaco Produceding Inc. Texaco	Section 1 (Owner)	p 100 Kinge 34	, NMPM,	Lea County
Texas New Mexico Pipe Line Co. James of Authorited Transporter of Cassinghead Gas All or Dry Gas Address (Give address to which appropriate of Cassinghead Gas All or Dry Gas Address (Give address to which appropriate of Cassinghead Gas All or Dry Gas Address (Give address to which appropriate of Cassinghead Gas All or Pro-Rox-1137, Eunice NM 88231 F 2 188 34E Yes 07-12-90 this production of indust. F 2 188 34E Yes 07-12-90 this production of too contraling which that from say other lease or pool, give commanding order number: V. COMPLETION DATA Designate Type of Completion - (X)		an Condenses		wed come of this form is to be sent?
Authorized Transporter of Cataloghead Gas Texaco Prodespeshing Inc. Texaco Prodespeshing Inc. Veril produces of a biguida. F 2 18S 34E Yes 200 77-12-90 When 7 7-12-90 When 8231 When 7 7-12-90 When 7 8 7-12-90 When 7 7-12-90 When 7 8 7-12-90 When 7 8 7-12-90 When 7 8 7-12-90 When 7 8 7-12-90 When 7 8 7-12-90 When 7 8 7-12-90 When 7 8 7-12-90 When 7 8 7-12-90 When 7 8 7-12-90 When 7 8 7-12-90 When 7 8 7-12-90 When 7 8 7-12-90 When 7 8 7-12-90 When 7 8 7-12-90 When 7 8 7-12-90 When 7 8 7-12-90 When 7 8 7-12-90 When 7 8 7-12-90 When 7 8 7-12-90	-	$\Lambda\Lambda$		
Texaco Preoduces in Junia Junia Sec. Twp. Rgs. is gas accusing connected? When 7 we location of naixs. Fe 2 188 34E Yes 07-12-90 This production is commissible with that from any other lease or pool, give commissions or including the production of naixs. This production is commissible with that from any other lease or pool, give commissions or including the production of naixs. This production is commissible with that from any other lease or pool, give commissions or including the production of the producti				
West Page Sec. Twp. Reg. Is a scalarly connected? When ? Ves Notes				
this production is communicated with that from any other lease or pool, give communication or number: V. COMPLETION DATA Designate Type of Completion - (X) Date Compl. Ready to Prod. O6-11-90 O8-13-90				
Designate Type of Completion - (X) Date Compl. Ready to Prod. O6-11-90 O6-11-90 O6-11-90 O6-11-90 O7-11-90 O8-13-90 O9-13-03-03-03-03-03-03-03-03-03-03-03-03-03				07-12-90
Designate Type of Completion - (X) X X X X Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	•	from any other lease or pool, give comming	gling order number:	
Date Compl. Ready to Prod. 06-11-90 06-13-90 08-13-90 100 Ol/Gas Pay Carayburg San Andres Forayburg San Andres TUBING, CASING AND CEMENTING RECORD HOLE SIZE CASING & TUBING SIZE DEPTH SET 22" 18-5/8" 420" C1 H 900 Sx Cir. 17-1/2" 13-3/8" 15500 C1 H 1500 Sx Cir. 2-7/8" TEST DATA AND REQUEST FOR ALLOWABLE IL WELL Test mans be after recovery of total volume of load oil and must be senal to or exceed top allowable for this depth or be for full 24 hours) 07-12-90 08-18-90 Reda Sub Pump Casing Pressure Choke Size Choke Size Choke Size Orig. Signed by, Path Kasturg Geologists, Title Title Title Title Test Marses Title Title Title Title Title			New Well Workover Deeper	n Plug Back Same Res'v Diff Res'v
Name of Producing Formation Sound		**		
Name of Producing Formations Top ON/Cas Pay Tubing Depth 4811	•	1	i ·	
GR 3987', KB 3798' Grayburg San Andres 4234' 4811' TUBING. CASING AND CEMENTING RECORD TUBING. CASING AND CEMENTING RECORD HOLE SIZE CASING A TUBING SIZE DEPTH SET SACKS CEMENT 22" 18-5/8" 420' C1 H 900 sx Cir. 1 17-1/2" 13-3/8" 1550' C1 H 1500 sx Cir. 1 8-3/4" 7" 5000' C1 H 2300 sx Cir. 1 TEST DATA AND REQUEST FOR ALLOWABLE IL WELL Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.) 18 First New Oil Run To Tank O1-12-90 Date of Test Producing Method (Flow, pump, gas ift, etc.) 07-12-90 Reda Sub Pump Choke Size Chial Prod. During Test Oil - Bbla. Water - Bbls. Gravity of Coodensate/MMCF Long Method (picor, back pr.) Tubing Pressure (Shist-in) Choke Size LOPERATOR CERTIFICATE OF COMPLIANCE 1 hereby certify that the rules and regulations of the Cit Conservation Date of Test Sing Method (picor, back pr.) Tubing Pressure (Shist-in) Condensate/MMCF OIL CONSERVATION CHORS Size OIL CONSERVATION CHORS Size Orig. Signed by, Paul Krautz, Geologist, Title Title		<u> </u>		
TUBING, CASING AND CEMENTING RECORD HOLE SIZE CASING & TUBING SIZE DEPTH SET SACKS CEMENT 22" 18-5/8" 420' C1 H 900 sx Cir 17-1/2" 13-3/8" 1550' C1 H 1500 sx Cir 2-7/8" ABIL TEST DATA AND REQUEST FOR ALLOWABLE IL WELL (Test must be after recovery of total wolsme of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.) O7-12-90 O8-18-90 Reda Sub Pump Casing Pressure Casing Pressure Choke Size Chila Prod. Test Dil - Bbls. AS WELL Chila Prod. Test DOPERATOR CERTIFICATE OF COMPLIANCE I hereby certify that the rules and regulations of the Oil Conservation Division bave been complied with and that the informations gives above is true and complete to the best of my knowledge and belief. Signature Choke Size Orig. Signed by; Paul Kestles Geologists, Title Title	•		1 .	, ,
TUBING, CASING AND CEMENTING RECORD HOLE SIZE CASING & TUBING SIZE DEPTH SET SACKS CEMENT 22" 18-5/8" 420" C1 H 900 sx C1r 17-1/2" 13-3/8" 1550" C2 H 1500 sx C1r 18-3/8" 1550" C1 H 1500 sx C1r 18-3/4" 7" 5000" C1 H 2300 sx C1r 18-3/4" 7" 5000" C1 H 2300 sx C1r 18-3/8" 1550" C2 H 2300 sx C1r 18-3/8" 1550" S2 H 2300 sx C1r 18-3/8" 1550" S2 H 2300 sx C1r 18-3/8" 1550" S2 H 2300 sx C1r 18-3/8" 1550" S2 H 2300 sx C1r 18-3/8" 1550" S2 H 2300 sx C1r 18-3/8" 1550" S2 H 2300 sx C1r 18-3/8" 1550" S2 H 2300 sx C1r 18-3/8" 1550" S2 H 2300 sx C1r 18-3/8" 1550" S2 H 2300 sx C1r 18-3/8" 1550" S2 H 2300 sx C1r 18-3/8" 1550" S2 H 2300 sx C1r 18-3/8" 1550" S2 H 2300 sx C1r 18-3/8" 1550" S2 H 2300 sx C1r 18-3/8" 1550" S2 H 2300 sx C1r 18-3/8" 1550" S2 H 2300 sx C1r 18-3/8" 1550" S2 H 2300 sx C1r 18-3/8" 1550" S2				
HOLE SIZE CASING & TUBING SIZE 18-5/8" 18-5/8" 1550' C1 H 900 sx Cir 1 17-1/2" 13-3/8" 1550' C1 H 1500 sx Cir 1 8-3/4" 7" 5000' C1 H 2300 sx Cir 1 2-7/8" 4811' TEST DATA AND REQUEST FOR ALLOWABLE IL WELL (Test must be either recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.) TEST DATA AND REQUEST FOR ALLOWABLE IL WELL (Test must be either recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.) Take Firs New Oil Run To Tank 07-12-90 08-18-90 Reda Sub Pump Casing Pressure Casing Pressure Casing Pressure Casing Pressure Choke Size Casing Pressure (Shus-in) Casing Method (picot, back pr.) Tubing Pressure (Shus-in) Casing Pressu	enorations 4234–4556 2	JSPF-264 holes, 4605-4	796' 2 JSPF-168 holes	Depth Casing Shoe
22" 18-5/8" 420' C1 H 900 SX C1T 17-1/2" 13-3/8" 1550' C1 H 1500 SX C1T 8-3/4" 7" 5000' C1 H 2300 SX C1T TEST DATA AND REQUEST FOR ALLOWABLE IL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.) IL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.) IL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.) Reda Sub Pump Choke Size 24 hours Casing Pressure Casing Pressure Casing Pressure Casing Pressure Casing Pressure Casing Pressure Cooke Size AS WELL Could Prod. Test - MCF/D Length of Test Bills Condensate/MMCF Gravity of Coodespate Cooke Size Corvivy of Coodespate Cooke Size Corvivy of Coodespate Cooke Size Corvivy of Coodespate Cooke Size Corvivy of Coodespate Cooke Size Corvivy of Coodespate Cooke Size Corvivy of Coodespate Cooke Size Corvivy of Coodespate Cooke Size Corvivy of Coodespate Cooke Size Corvivy of Coodespate Cooke Size Corvivy of Coodespate Cooke Size Corvivy of Coodespate Cooke Size Corvivy of Coodespate Cooke Size Corvivy of Coodespate Cooke Size Corvivy of Coodespate Cooke Size Corvivy of Coodespate Cooke Size Corvivy of Coodespate Cooke Size Corvivy of Coodespate Cooke Size Corvivy of Coodespate Cooke Size Corvivy of Cookes Size Corvivy of Coodespate Cooke Size Corvivy of Coodespate Cooke Size Corvivy of Coodespate Cooke Size Corvivy of Coodespate Cooke Size Corvivy of Cookes Size Corvivy of Cookes Size Cookes Size Corvivy of Coodespate Cooke Size Corvivy of Cookes Size Cookes Size Corvivy of Cookes Size Cookes Size Cookes Size Cookes Size Cookes Size Cookes Size Cookes Size Cookes Size Cookes Size Cookes Size Cookes Size Cookes Size Cookes Size Cookes Size Cookes Size Cookes Size Cookes Size Cookes Size Cookes Size Cooke		TUBING, CASING AND	CEMENTING RECORD	
17-1/2" 13-3/8" 1550' C1 H 1500 SX CIT 1 8-3/4" 7" 5000' C1 H 2300 SX CIT 3 18-3/4" 7" 5000' C1 H 2300 SX CIT 3 18-3/4" 7" 5000' C1 H 2300 SX CIT 3 18-3/4" 7" 5000' C1 H 2300 SX CIT 3 18-3/8" 1550' C1 H 1500 SX CIT 3 18-3/4" 7" 5000' C1 H 2300 SX CIT 3 18-3/8" 1550' C1 H 1500 SX CIT 3 18-3/4" 7" 5000' C1 H 2300 SX CIT 3 18-3/8" 1550' C1 H 1500 SX CIT 3 18-3/8" 1550' C1 H 1500 SX CIT 3 18-3/8" 1550' C1 H 1500 SX CIT 3 18-3/8" 1550' C1 H 1500 SX CIT 3 18-3/8" 1550' C1 H 1500 SX CIT 3 18-3/8" 1550' C1 H 1500 SX CIT 3 18-3/8" 1550' C1 H 1500 SX CIT 3 18-3/8" 1550' C1 H 1500 SX CIT 3 18-3/8" 1550' C1 H 1500 SX CIT 3 18-3/8" 1550' C1 H 1500 SX CIT 3 18-3/8" 1550' C1 H 1500 SX CIT 3 18-3/8" 1550' C1 H 1500 SX CIT 3 18-3/8" 1550' C1 H 1500 SX CIT 3 18-3/8" 1550' C1 H 1500 SX CIT 3 18-3/8" 1550' C1 H 1500 SX CIT 3 18-3/8" 15500' CI H 1500 SX CIT 3 18-3/8" 16-3/90' CI H 1500 SX CIT 3 18-3/90' CI H 1500 SX CIT 3 18-3/90' CI H 2300 SX CIT 3 18-3/90' SEP 19-3/90 SX CIT 3 18-3/90' CI H 2300 SX CIT 3 18-3/90' SEP 1 18-3/90 SX CIT 3 18-3/90' CI H 2300 SX CIT 3 18-3/90' SEP 1 18-3/90 SX CIT 3 18-3/90' CI H 2300 SX CIT 3 18-3/90' CI H 2300 SX CIT 3 18-3/90' SEP 1 18-3/90' Choke Size Orice Size Orice Signed by Corice Signed by		CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
8-3/4" 7" 5000' C1 H 2300 sx Cir 3 2-7/8" 4811' TEST DATA AND REQUEST FOR ALLOWABLE IL WELL (Test must be eigher recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.) 1		18-5/8"		C1 H 900 sx Cir 326 s
TEST DATA AND REQUEST FOR ALLOWABLE IL WELL	• =	· · · · · · · · · · · · · · · · · · ·	1550'	C1 H 1500 sx Cir 150 s
TEST DATA AND REQUEST FOR ALLOWABLE IL WELL Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.) Date of Test 07-12-90 08-18-90 Reda Sub Pump Choke Size 24 hours Casing Pressure Choke Size Chail Prod. Test - MCF/D Length of Test Chail Prod. Test - MCF/D Length of Test Chail Pressure (Shus-in) LOPERATOR CERTIFICATE OF COMPLIANCE Thereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Dispanse B. De Soto Engineering Technician Title Title Title Title Title Title Title	8-3/4"	·		C1 H 2300 sx Cir 318 s
IL WELL Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.) ate First New Oil Run To Tank 07-12-90 08-18-90 Reda Sub Pump Choke Size 24 hours Choke Size 24 hours Choke Size Choke Si			4811'	
Producing Method (Flow, pump, gar lift, etc.) 07-12-90 08-18-90 Reda Sub Pump Casing Pressure Casing Pressure Casing Pressure Casing Pressure Casing Pressure Casing Pressure Casing Pressure Casing Pressure Casing Pressure Casing Pressure Casing Pressure Casing Pressure Choke Size Case MCF 1670 51 Casing Pressure (Shut-in) Casing Pressure			n be equal to or exceed too allowable for	this depth or be for full 24 hours.)
on Test 24 hours chusi Prod. During Test 24 hours chusi Prod. During Test Oil - Bbls. 246 Casing Pressure Casing Pressure Choke Size Choke Si		T		
could Prod. During Test 24 hours Choke Size 24 hours Choke Size Choke Siz	07-12-90		Reda Sub Pump	
Chail Prod. During Test Oil - Bbls. 246 Dil - Bbls. Dil - Bbls. Case MCF 1670 Sas WELL Chail Prod. Test - MCF/D Sting Method (puot, back pr.) Tubing Pressure (Shus-in) Casing Pressure (Shus-in) Casing Pressure (Shus-in) Coolegnate Choke Size Coolegnate Coolegnate Choke Size Coolegnate C				Choke Size
AS WELL CIUSI Prod. Test - MCF/D Length of Test Bills. Condensate/MMCF Gravity of Condensate Bills. Condensate/MMCF Gravity of Condensate Casing Pressure (Shus-in) Casing Pressure (Shus-in) Condensate/MMCF Casing Pressure (Shus-in) Condensate/MMCF Casing Pressure (Shus-in) Condensate/MMCF Casing Pressure (Shus-in) Condensate/MMCF Casing Pressure (Shus-in) Condensate/MMCF Casing Pressure (Shus-in) Condensate/MMCF Casing Pressure (Shus-in) Condensate/MMCF Casing Pressure (Shus-in) Condensate/MMCF Casing Pressure (Shus-in) Condensate/MMCF Casing Pressure (Shus-in) Condensate/MMCF Casing Pressure (Shus-in) Condensate/MMCF Casing Pressure (Shus-in) Condensate/MMCF Casing Pressure (Shus-in) Condensate/MMCF Casing Pressure (Shus-in) Condensate/MMCF Casing Pressure (Shus-in) Condensate/MMCF Casing Pressure (Shus-in) Condensate/MMCF Casing Pressure (Shus-in) Condensate/MMCF Casing Pressure (Shus-in) Condensate/MMCF Casing Pressure (Shus-in) Choke Size Condensate/MMCF Casing Pressure (Shus-in) Choke Size Condensate/MMCF Casing Pressure (Shus-in) Choke Size Condensate/MMCF Casing Pressure (Shus-in) Choke Size Condensate/MMCF Casing Pressure (Shus-in) Choke Size Choke Size Condensate/MMCF Casing Pressure (Shus-in) Choke Size Choke Size Condensate/MMCF Casing Pressure (Shus-in) Choke Size Choke Size Condensate/MMCF Casing Pressure (Shus-in) Choke Size Choke Size Choke Size Condensate/MMCF Casing Pressure (Shus-in) Choke Size Choke S				
Sing Method (pilot, back pr.) Length of Test Bibls. Condensate/MMCF Gravity of Condensate Casing Pressure (Shut-in) Casing Pressure (Shut-in) Condensate/MMCF Casing Pressure (Shut-in) Choke Size Condensate/MMCF Condensate/MMCF Condensate/MMCF Condensate/MMCF Condensate/MMCF Condensate/MMCF Cond	ctual Prod. During Test	Oil - Bbls.	Water - Bbis.	Gas- MCF
Eting Method (pilot, back pr.) Length of Test Bbls. Condensate/MMCF Gravity of Condensate Choke Size Choke Si		246	1670	51
Eting Method (pilot, back pr.) Length of Test Bbls. Condensate/MMCF Gravity of Condensate Choke Size Choke Si	AS WELL			37-123400
L OPERATOR CERTIFICATE OF COMPLIANCE I hereby certify that the rules and regulations of the Cil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature R. B. De Soto Engineering Technician Printed Name Casing Pressure (Shut-in) Cloke Size 7 OIL CONSERVATION DIVISION Date Approved Orig. Signed by Paul Kautza Geologist, Title		Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
L OPERATOR CERTIFICATE OF COMPLIANCE I hereby certify that the rules and regulations of the Cil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature R. B. DeSoto Engineering Technician Printed Name OIL CONSERVATION DIVISION SEP 1 2 1990 Orig. Signed by Faul Kauta Geologist Title	sting Method (pitot, back =)	Tubing Pressure (Shut-m)	Casing Pressure (Shut-in)	$-l \sim l \sim l \sim l \sim l \sim l \sim l \sim l \sim l \sim l \sim$
I hereby certify that the rules and regulations of the Cil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Date Approved Orig. Signed by: Faul Kautz Geologist. Title Title	stractor (prest) order pr)	,		22
I hereby certify that the rules and regulations of the Cil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Date Approved Orig. Signed by: Faul Kautz Geologist. Title Title	L OPERATOR CERTIFICA	ATE OF COMPLIANCE		10
Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Date Approved Orig. Signed by: Figure R. B. De Soto Engineering Technician Printed Name Title			OIL CONSER	VATION DIVISION
Signature R. B. DeSoto Engineering Technician Printed Name Date Approved Orig. Signed by: Paul Kautz Geologist. Title	Division have been complied with and to	that the information given above		SEP 1 2:1990
Signature R. B. DeSoto Engineering Technician Printed Name By Orig. Signed by: Paul Kautz Geologist.	is true and complete to the best of my k	nowledge and belief.	Date Approved	OEI - Celegral at 1
R. B. DeSoto Engineering Technician Printed Name Title Title Title	$\rho_{N} = \rho_{N}$	L		16 05 to 3.
R. B. DeSoto Engineering Technician Printed Name Title Title Title	_ Kichard D	edito	Orig	. Signed by
Printed Name Title Title	Signature D B Do Cotto	incoring Technisis	Dy — Pa	ul Kautz
				eologis <u>u</u> ,
09/07/90 (505) 393-7191			Title	
Date . Telephone No.				

- 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 weils.
- 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.

NO. OF COPIES RECEIV	(6					Form C	-105 -1 11-1-14
DIS TRIBUT ION							o Type of Lease
SANTA FE	الماكد الماكد	NEW	MEXICO OIL	CONSERVATIO	N COMMISSION		٠ار
FILE	WIND W				N REPORT AND	LOG State [A Gas Lease No.
U.S.G.S.	M_{i}					1 '	
LAND OFFICE						B-21	46
OPERATOR							
Id. TYPE OF WELL				_			menent Name
b. TYPE OF COMPLE	011 WELL	WEL:	ءه لــاــ	Y OTHER	ater Inject	ion Cent	ral Vacuum Unit
		Page 4	D:FF.			į	
2. Name of Operator	DEEPEN	PLUG BACE	DIFF. RESVE	T.L. OTHER		Cent	ral Vacuum Unit
TEXACO	Two.					1	!
3. Address of Cretator	LIIC.					12, Field	mili col. or Wildcat
P O Bo	ох 728, Ho	hha New	Merico	88240		Vacuum	Grayburg
4. Location of Well	JA 120, 110	bbb, item	MCXICO	00240	· · · · · · · · · · · · · · · · · · ·	San Ap	Trittimini !
UNIT LETTER L	13	32	S S	outh	1310		
		FEE/ P		Till	mmm:	11/1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
THE Westine of	sec. 36	. 17-S -	ь. 34-E	(////// May		Too	
15. Date Spudded	15. Date T.D. Re	sched 17. Date	Compl. (Read	y to Prod.) 115.	Elevations (DF, RKB)	RT, GR, etc.) 13.	Ellev. Cashinghead
	3-18-79	4-	5-79		3998' (GR)		39981
20. Total Depth	21. Flu;	Back T.D.	22. If h.	fultiple Compl., Ho	w 23. Intervals Drilled By	, Rotary Tools	, Cable Tools
48001	47	41'	Man	ıy	Drilled By	0-48001	-0-
24. Producing Interval(s						<u> </u>	25. Was Directional Survey
4322' -	4705' Gra	ayburg	San And:	res		j	Made No
26. Type Electric and C	•					27.	Vas Well Cored
Gamma Ra	y - Compe	nsated N	eutron				No
28.		CA	SING RECORD	(Report oli string	s set in well)	٠.	
CASING SIZE	WEIGHT LB. F	T. DEPT	HSET	HOLE SIZE	CEMENTIN	G RECORD	AMOUNT PULLED
13 3/8"	48#	35	5'	17 1/2"	400 sx		-0-
9.5/8"	32#	150	01	12 1/4"	800 sx		-0-
7	23#	276	31	8 3/4"	650 sx		-0-
4 1/2"	10.5#	480	0'	6 1/8"	800 sx		-0-
29.	LIN	ER RECORD		······································	3C.	TUBING REC	ORD
SIZE	TOP	BOTTOM	SACKS CEMI	ENT SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	42671	42671
					- - // - 		
31. Perforation Record (Interval, size and n	umber) Per	f. 4 1/2	2" 32.	ACID, SHOT, FRACT	TURE, CEMENT SQ	UEEZE, ETC.
Csg w/2-JSPF 18,90,99,450 18,24,34,42,	' @ 4322', <u>:</u>	30,44,51	,60,4416	S', DEPTH	INTERVAL		ND MATERIAL USED
18,90,99,450	9,18,25,7 ¹	4,79,91,	97,4604	,10, 4322) - 470F'	7500 Gal.	15% NE Acid
18,24,34,42,	48,59,64,	70,84,90	,4700 ' 8	& The state of t			
4705'.			•				
						-	
33.				PRODUCTION			
Date First Production	Producti	ion Method (Flor	cing, gas lift,	pumping - Size an	d type pump)	Well Statu	s (Prod. or Shut-in)
WATER IN	JECTION WE	ELL - NO	POTENT	IAL TEST			
Date of Test	Hours Tested	Choke Size	Fred'n, For Test Perior		Gas = MOF	Water - Bri.	Gля → Cil Retto
			J ====	→			
Flow Tubing Press.	Casing Fressure	Calculated 24 Hour hate	- CH - PM.	Gas - N	ICF Water =	Ebl. Cil	Gravity - AFI (Corr.)
	<u>ļ.,,,,,,,,,</u>	1 →	·				
To Albertaethine of the f	Sold, used for fuel,	tented, etc.)				Test Witnessed E	, y
54. Etajesitien et o.s.						1	i
35. List of Attachments			т				
35. List of Attachments	d Shut-In	Water I		4-5-79			
	d Shut-In	Water Th	jection	4-5-79 is true end complete	e to the best of my kn	iontodge and teleof	
Complete Ob. I hereby certify that	1 //	<u>Water_T</u> prior both side					
Complete Ob. I hereby certify that	d Shut-In the information sho	Water I ^N			e to the best of my kn		

.

DISTRIBUTION	.16	N •						in, C+475 vise i itite8
SANTAFE	NG	นยพ เม	MEXICO	ou có	USERVATION	COMMISSION	: 1	it rate Type of Lease
FILE	101	WELL COMPL	ETION (DP REC	OMPLETION	A REPORT	AND LOG	ne y
U.S.G.S.						11121 0111 7	17,313	e il a las Leise No.
LAND OFFICE						•	g l	-2146
OPERATOR							im	
<u></u>								
14. TYPE OF ALLE					······································			A Reedwit II to e
.	c·_) We	+ 02 T2 +		
E. TYPE OF COMPL		∞٤ لمانان	نــا۔	54 V L	01454 <u>0</u>	ter inj	ection cen	tral Vacuum Unit
NEA TO 6	584			(FF ESVA				+ +
2, Name of German	566	BASI	<u> </u>	ESVA.L	OTHER	 	-Cen	tral Vacuum Unit
TEXACO Inc.								. 82
3. Address of Crerator							44.55	
-		Mora Mos	riao.	RRali		4		dum Grayburg
P. O. Box 7	20, noods	s, New Me.	XICO_	0024	0			San Andres
4, 2					,			
T/	٦:	222		Court	h	2528		
UNIT LETTER K	LOCATED LL	DOD FEET	FROV THE _	30uc	LINE AND	2220	FEET FROM	
Work	26	17 a	الد	Tr.		HHHH	1111111	<i>!!!!!!!!!!</i>
THE West LINE OF							Lea	
15. Date Spudded	1	i		cady to .	rrod.) 1ê. i			19. Ellev. Cashinghead
1-29-79 20, Total Depth		<u> 3</u> .				3994		3994'
4800'	-1	I TOO I	22.	If Multip Many	le Compl., How	23. Interva	Is , Hotary Tools	
		4790'					-> 0-4800	
24. Freducing Interval	(s), or this comple	tica - Top, Betto	m, Name	•				25. Was Directional Survey Made
holio: hea	01 0							
<u> 4340 - 471</u>		ourg San A	andres	;	-			No
26. Type Electric and						•		27. Was Well Cored
Gainnia Ray -	Compensa	ited Neuti	con		-]	No
23.	•	· CA	SING REC	ORD (Rep	ort all strings	set in well)		
CASING SIZE	. WEIGHT LB	FT. DEPT	H SET		LE SIZE.	CEMEN	TING RECORD	AMOUNT PULLED
13 3/0	54.5%	39	51'	17	[/2]		400 sx.	-0-
9_5/8"	32#	150	701	12	1/4"		800 sx.	-0-
7"	20# & 2	276	00.1	8	3/4"		450 sx.	-0-
4 1/2"	10.5%	4-1480	יי סכ	6	[/8"		750 sx.	-0
29.		INER RECORD		<u> </u>		32.	TUBING	RECORD
S!ZE	TOP	воттом	SACKS	FMENT	SCREEN	SIZE	DEPTH SE	
			1			2 3/8		42951
			 			12 1/0	7690	7690
31, Perferation Record	(Interval. size on	d numbers The seed	ר ול פ	1011-	- Lu3-	CID SHOT F	RACTURE, CEMEN	T SOUREZE ETC
/O TODE &	hahat sa	E8 75 70	92 0	/2 CS	ili orna	UTED 11	AMOUNT AND	i
W/とつりのとは (3)	4340,53,	20, 12, 19,	03,0	92,	, H4 3351 1 1	NIERVAL	AMOUNTAN	D KIND MATERIAL USED
1600 10 19	00,14,20,	2(,41,47,	50,92	,97,	haliai	1,000		
w/2-JSPF @ 37,94,4509,4602,12,18,73,83,88,94	C+,5€,50,	40,50,50,	JD,60	,05,	143401	- 4/19	youo gal.	15% NE Acid
(Also 4498	۱۶۲۶۴و۱۲۶۶ برایاده	ω 4/19'.	11)					
	`)				1			
33.		ation Mark 1971			UCTION			See A Park Town
Date Pirst Production	1	ation Methal (Flo	•		-	type pump)	Well	Etitus (Prod. or Shut-in)
WATER INJE								
Date of Test	Hours Testri	Chicke Sire	Fridti Text i		Cil = Fil.	Gas = MOF	$\frac{1}{1} \text{Water} = \text{Fit.}$	Cast+Oil flates
	+							
Flow Turing Press.	Costny Pressur	e Talzal ne i 2 Hour hate	4- (1)1 = 3 	·rl.	Gas = MC	TET Will	ter = Fal.	CC Gravity = AFT (Corr.)
	<u> </u>	<u>, l </u>	<u> </u>					
34. Pun; enttion of Gene	(Nedd, used for fa	er, rented, etc.;					lest Witness	ser by
3., I not of Amarkonia								
COMPLETED 10. Thereby comp. tha	AS SHUT-I	N MATER I	NJECT	LOM, L	3-2-79			en de l'entre de la company de
so, Thereby cemps that	t the superments is a	diones on lest's side	ex of the st	.a : 15 tr	a and complete	to the history	res knowledge and b	elief.
11.	10							i
SIGNED) 1 0	K Clar	Acor -	T 1 7	ne As	st. Dis	t, Subt.	· . DATE	3-8-70
	/	<u> </u>						

				THING (VIE)		מ	ara I	an.	10,	1991	
CEN	TRAL	ACUUM	UNIT	Well No.	89	T	I. Wa	rk, Int.		92314	%
VACL	herman	from DE	Or	coty_LE	It from	ground l	tate_NE	W r	TEXIC	<u> </u>	
Com	. Data 2	2/23X	T. D. 471	QI. P. OII	<u> </u>	Y	Vater	0	_Gee		LMCF
400)Hı			Flow, Pres					a3	996	DP
				OF PROSE	FCTIVE	OR PAY	ZONE	5			
Name (x Type o	¿Zone ANDRES	Top 4099	Base 4710	PROD	UCING	Res INTERV	narks	APF N	HOLE)
7001				-		V 51.40	JIVILEIS		<u> </u>		
				- 						····	
		•	CAS	ING AND	UND I	HOORD					
			5 2 5 2	Sacks	Hole			,			
Size 5/8"	Weight	Grade	8et At 1537	Cement 300	9-7/8	Pe	el.	CMT	TOP		
1/2"	17		4093	200	6-3/4	~		CMI	JOP	N. A.	
				•	4 3/4	4019.	סוקע	DPE	1 HOL	Ε	
		,				-		******			
		CO	MPLETION	N AND RE	MEDIAL	WORK I	ricord	ı			
	Profestion	a Test Befe		Туре Аг	Treatme		•		duction		
Date 27-38	NEW	WELL WELL	!	VATURAL		4099	To 4710	00	Water	008 4∞	24F
4-70	50 348	186 -		CID 28% 10 Inder-ream		4099	4710				
6-85	278 _		_ & =	15 % 15		4099	4710.	767	560	486	24 P
					 -		······································	,			
						-			***************************************		
marks	:										
esent	Test:	oi18	7Wat	er_62/1	Gas_		_GOR		_Hrs.	24	Pump.
	Choke	Size	~	Pr	essur e			Tha	Press	ure	_
								_			
asons	PIN L	emediai	WOLK:	To inc	Yease	ار <i>ن</i> + مع	pro	auch	on c	24 e.	STIMO IE
0 60	YOU D	lectine.	zing.	After	TYPAIN	nenc	Scale	5qu	ee2 e	to	Slow
10000		VICTIME:									
trole	um Eng	ineering	Recomm	nendation.	s and 1	Procedu	ire:		See 1	Atlach	red
	÷				•						
							·				·····
. 1		5 on the case of	l n				Distr	ict P	etrole	Բեռև En	gineer
nstri	• •				D:	ivisior	1				
Geol	ogical			· •• •		Engine	erina		· variance resident	w	
Asst Dist	. Dist	. Mgr ger		· · · · · · · · · · · · · · · · · · ·		Geolog Gen'l	gical . Sunt				
U	, nana	3					_				
1	I CAS	H I MOH	1 TOTA	L I TEXA		Appr	coved.		· · · · · · · · · · · · · · · · · · ·		
IDC		11 1100	10.0	m ress	<u></u>	Date	е.				
JNY.	1		1			0000	7 ***	<u></u>		nv 4	
TOTAL						1	D. INC	i		- L	
•	1	L	3	ı	1	I PAY(DUT				

DMD 1-10-91

RECOMMENDED REMEDIAL WORK
Form PO-90 (M)
Est 60050092

				Ex	pende Typ	e V V(rknyer.	Date	12-26-	90			
Lease CEN				weJ	гт ио <u>ао</u>		1x.	MOLK. 1	nt 44.9	2314			
Pool VACU	UM GRAYB	URG SAN	ANDRES		county LI	EΆ		Stat	e NEW M	EXICO			
All depth													
Tx. Comp.					<u>1710'</u> I. I p Flow.								
GUR 485	nr:	5 24		Pull	ib rrow.	PLE	sent 1	. D. <u>4</u>	710		ETEAGET	OII 3991	<u> </u>
			DESC	RIPTIC	N OF PRO	OSPE	CTIVE	OR PAY	ZONES				
	r Type o				Botto								
GRAYBURG	SAN ANDR	<u>es</u>		4093	4710	<u> </u>	PRESE	INT COMP	LETION	INTERV	AL		
													
				C7	SING ANI) LI	NER RE	CORD					
							Hole						
Size	Weight	Grad	ie i	Set At	: Cemer	nt	Size	P	erf.		Remark	s	
7 5 (01)	06 4#		15	401	200 07		0 = 1011			CER	III OTT	ATT SITTED	
7 5/8" 5 1/2"	26.4# 17#		154 409	48 · 93 '	280 SX 200 SX		6 3/4"			CEN	ENT TOP	22001	,
5 1/2	<u> </u>		= = 0.		200 DA		6 1/4"	409	3'-4710		N HOLE	2200	
					· 		<u> </u>		- 1, 1, 2		<u></u>		
			car	MPLETI	ON AND F	REME	DIAL W	ORK REC	ORD				
T-	roduction	n Mest T	Rafora				∏тоэ ↓	ent		Drod	uction	Tect 75	ter
		n Test E ater (Hrs	Туре	Zm∽	ırcaul ımt	From	To				
11-19-39				III.S	NATTIRAT.	PHIL	uic	40931	4710'	1168	0		
12-20-71	40	0		24P	NATURAL BW FRAC 15%ACID	30	/45	4093'	4710'	93	11	1275	
04-18-85	447	148		24P	15%ACID	15.	000GAL	S 4093'	4710'	680	567	350	
02-11-88				24P	15%ACID	10,	000GAI	S 40931	4710'	481	901	431	
													
Remarks:_													
December 3	11		7	11	TINTTO		344	Donad	2 165 (200	6	10 01 0	١٥
Present A	TTOM		Max A	TTOM.	UNIT		_ACCUIII.	Prod.	2,165,0	000	_as or_	12-01-9	90
Present To	est: Oil	117	Water	413	Gas	54		COR		Hre	24	Pimm Fl	∩₩.
TIODOIG I			_,,,,,,,,,,,	_ 440				· · · · · · · · · · · · · · · · · · ·			21	- ca.ip + -	
Boncoma f	on Domod	inl Worl	ira T+	ic ro		.a +1	ast the	a gubica	at mall	ho na	idizad	aloono	~ ~u+
Reasons fo	or Relieu	IAI WOLF	N. 10	12 16	2011IIIEI ME	u u	iac uit	<u>s subjec</u>	r well	ne ac	rarzea,	Creane	a ouc,
and scale	squeeze	d in ord	der to	lower	the inj	ect:	ion wit	hdrawa	ratio	and d	ecline	rate in	produ
					<u> </u>								
tion. Si	nce 1988	, the we	<u>ell has</u>	been	on a 48	<u>% de</u>	<u>ecline</u>	rate, u	while th	ne maj	<u>ority o</u>	f the f	<u>ield i</u>
Petroleum	Engineer	sing Rec	commenda	ations	and Pro	cea	ure:						
See attacl	anser bad												
bee accac	neu page										_ 		
													
···········													
													
								•					
									Area Ma	nager			
Reviewed a	and Appro	oved By:)·										
Engineer							D	ivision					
Production	n Foreman	ı							ed				
Area Engi	neer					-		Date					
!	1 02 077	MOTT 1							 				
	CASH	: IMOH :	TOTAL	ਜਾਂਸ !	XACO !		Ţ	PROD.	INCR (יוי	X%)	1		7.1
EXP	CASH	MOH	TOTAL	TE	XACO		1	PROD.	INCR (T	X%)			

FORM PO DO (14)

								10-22-				
		UM UNIT										
		IRG SAN ANDR										
		d from DF								 .		
		-04-36 @ 3 4										MCF
30R	n.s	` *	Pull	D LIOM.	FLESEII	L 1.	D. 47	10		_erevert	OII 40	01.
		DE	SCRIPTIO	N OF PR	OSPECTIV	ZE OF	R PAY 2	CONES				
	or Type of		Top					marks				
GRAYBURG	SAN ANDRE	<u>s</u>	4096'	4267	' OPI	EN HO	<u>IE</u>					
			·									
												
			·									 -
			C7	SING AN	D LINER	RECO	DRD					
						_						
a!		a 3 a	Gat 34			ole	70-			Damania	_	
Size	weight	Grade	Set At	: Ceme	nt si	Lze	Pe	ET.		Remark	S	
7 5/8"	26 1#	IW	15401	300	g	5/8"	·		CME	r circul	Διτείτη	
5 1/2"	17#		4096							TOP @		O% FTT
	·									EN HOLE		<u> </u>
										N HOLE		
	•											
			COMPLETI	ON AND	REMEDIAI	WOR	K RECC	RD .				
		Most Nofes			(The co				~~~	Brakian 1	Tack 1	£4
		Test Befor ter GOR		Пирос			rom From		_	fuction ' Water	rest a Gor	
				Type NATURAL						Water 0		
		OMPLETION										
12-16-71		<u>0</u>								0		<u> 24</u>
		0	24							122		
<u> </u>		303			12000 0	ALS	4096	4/10.	482_	6/5	435	24
				REAM						•		
												
Remarks:												
Menaltas:_				·								
Present A	llow	Max	Allow.	UNIT	Acc	um. I	Prod.	1,479.0	000	as of	03~01	-91
			· · · · -					 				
Present T	est: Oil	61 Wate	r 937	Gas	42	GC	I R		Hrs	24	Pumo F	low.
	_										-	
_				_					_			
Reasons f	or Remedi	al Work: 1	o increa	se prod	uction	64 B	OPD, W	e recor	mend	that the	e subje	ect we
	aa		a									
œ acidiz	ea ana sc	ale squeeze	<u>a.</u>		 							
The	well is d	urrently pro	aducina (61 BOPD	and dec	liniı	norat a	a rate	of 249	k. Offs	et wel	No.
1110	WC11 15 C	CELCULTY DE	MUCTING !	01 10115	<u>una uco</u>		19 00	<u> </u>	<u> </u>	<u></u>	<u> </u>	<u></u>
etroleum	Engineer	ing Recomme	ndations	and Pro	ocedure:							
	_	•										
see attac	hed page											
												
 												
					-		A	rea Mai	nager			
Reviewed	and Appro	ved By:										
						Div	ision					
						A	pprove	d				
rea Engi	neer						ate					
J					-							
	 								-A:			
	CASH	MOH TOT	AL TE	XACO				NCR (T	X&)			
EXP	<u> </u>					↓ P	AYOUT					
INV.	1	ļ	;			P	WI		D	CFROI		

Form PO-90 (M) Est # 60080066

							08-31-				
		IM UNIT									
		RG SAN AND									
		d from <u>Kl</u> 12-39 (Gaq	700	MCI
	Hrs				Present T.						
										<u></u>	
		DI	ESCRIPTIO	ON OF PRO	SPECTIVE C	R PAY 2	CONES				
		Zone					marks				
RAYBURG	SAN ANDRES	5	4105	4705	PRESEN	T COMPI	ETION	INTERV	AL		
											
											
			CZ	ASTNG AND	LINER REC	ORD.					
			-								
				Sacks	Hole						
Size	Weight	Grade	Set At	cemen	t Size	Pe	erf.		Remark	S	
5/8"				200 SX					ENT TOP		
1/2"	<u>17#</u>		4105'	800 SX	<u>8 1/4"</u>	OPE	N HOLE	CEM	ENT TOP	CIRC.	
				-							
											
			COMPLETO	CON AND R	EMEDIAL WO	RK RECC)RD				
		Test Befor							luction !		
ate					Amount			Oil	Water		
	INITIAL CO			NATURAL.							
		<u>502</u>			<u>12,000gals</u>						
<u> 13-04-87</u>	209 24	<u> 394</u>	<u>24P</u>	15%NEFE	<u>10,000gals</u>	4105'	4705 '	212	313	394	<u>24P</u>
							·				
											
Remarks:_		- · · · · - 									
resent T	est: Oil_	134 Wate	er 297	Gas_	<u>58</u> G	OR		Hrs_	_241	Pump F]	LOW.
easons f	or Remedia	al Work:	In order	to incre	ease produc	ction i	n the s	subjec	t well,	it is	recom
ended th	at the we	ll be clear	ned out.	acidized	l. and sca	le sque	ezed.	Scale	deposit	tion ha	s cau
roductio	n to decli	ne 70 BOPI	and 100) BWPD si	nce Novemb	er 1989) <u>. </u>				 .
etroleum	Engineeri	ing Recomme	endations	and Pro	cedure:						
		_									
ee attac	hed page										
											
									,		
										• • •	
	 										
							1 -	11	$\left(\cdot \right)$		
							Ja	Hou	-		
						/A)	rea Mai	nager			
	and Approv					•					
ngineer					-	vision					
roductio	n Foreman				_		d				
rea Engi	neer]	Date					
	I CN CTT 1	MOTT I MOT	7 T T T T T T T T T T T T T T T T T T T	W100	1	PROD. I	MOD (III	V&1)!
7777	CASH	MOH TOI	AL TE	∞							
EXP			i	<u></u>	<u>ن</u> ــــــــــــــــــــــــــــــــــــ	PAYOUT			CEDOI		

DISTRIBUTION			·	•		•	Form C+10 Revised	
SANTA FE-	1	NEW	EXICO OIL C	ONSERVATIO	N COMMISSION	ſ		ype of Lease
FILE!	W	ELL COMPLE					State X	Fee
U.S.G.S.	, 07	LLL COM LL	TION ON ICE	COM LETT	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	"""	S. State ()II &	Gis Lease No.
LAND OFFICE						-	B-1	113-1
OPERATOR	•						777777	
		 		· · · · · · · · · · · · · · · · · · ·				
IC. TYPE OF WELL	A !!			۰,		i i	7. Unit Agree:	
b. TYPE OF COMPLE	· WELL	GAS WELL	ORY L	OTHER_	water in,	ection	Centra Furm of Le	1 Vacuum Uni
NEW [] WO		PLUG BACK	DIFF.			1		Vacuum Unit
2, Name of Operator	EN CO DEEPEN	. BACK L		OTHER			Well No.	14044411 011110
Texac	eo Inc.					1	136	
3, Address of Operator	- 0			00 - 1-			Vacuum	Grayburg-
	Box 728,	Hobbs, No	ew Mexico	8824	0		San A	
4. Location of Well								
UNIT LETTER E		450	North	1	40			
UNIT LETTER _ P.	LOCATED	FEET FA	OM THE TIOT OF	LINE AND	iniin	FEET FROM	2. County)
West West	6	.18-S	35-E				Lea	
West Line or	16. Date T.D. Re	ached 17, Date C	Compl. (Ready to	Prod.) 18.1	Elevations (DF ,	RKB, RT, GR	etc.) 19. E!	ev. Cashingl.ead
10-24-78 20. Total Depth	11-6-78	12-1	19-78		3979! (39791
	21. Plug	Back T.D.	22. If Multi	ple Compl., Ho	w 23. Interva Drilled	ls Rotary		Cable Tools
<u>4800 '</u>	47	772 '	,			→ 0-48	300'	-0-
24. Producing Intervail	s), of this completion	n - Top, Bottom,	Name				25.	Was Directional Survey Made
4362 t 26. Type Electric and C	- 4700' (rayburg S	San Andre	es				NO
			•				•	Well Cored
	Ray-Comp					 		NO
CASING SIZE	WEIGHT LB./F		NG RECORD (Re	 -			<u> </u>	410000 000 1 50
13 3/8"	54.5#	7651		JE SIZE		SX		AMOUNT PULLED
9 5/8"	32#	1450		2111) sx		-0-
7"		2775	' 8	3 3/4") sx		-0-
4늘"	23# 10.5#	4800	7	7 7/8"	600	sx		-0-
29.	LIN	ER RECORD			30.	Tυ	ING RECOR	D
SIZE	тор	BOTTOM :	SACKS CEMENT	SCREEN	SIZE		HSET	PACKER SET
				<u> </u>	2 3/8	3" 43	35'	4335'
		Domfo	111 00	1	1		1	
31. Perforation Record	(Interval, size and r	661 681	3 4g CS 70 1 82 1	32.	ACID, SHOT, FF			
2-JSPF @ 436 90',4472',th 4527',42',49 90',92',461	mi 4478 1.8	31.901.45	522 thm	4362'-	INTERVAL			MATERIAL USED 5% NE acid
45271,421,49	521,631	731,751,8	34,86,	7,02	+100	1300	<u> 801 1</u>	J/6 IVE acia
901,921,461	0'thru 461	6,34,40),431,					
531,671,731	,821,871,9	121,961, 8	£ 4700°			•		,
33,				DUCTION				
Date First Production	Product	ion Method (Flowi	ng, gas lift, pum	iping - Size and	l type pump)		Well Status (Prod. or Shut-in)
	JECTION WE		POTENTIAL					
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas MCF	Water -	- Вы. С	as - Oil Ratio
Plaw Tubing Press.	Casing Pressure	Calculated 24- Hour Rate	ОП – ВЫ.	Gas - M	ICF Was	ter - Bbl.	Cil Gr	uvity - API (Corr.)
14. Disposition of Gas (Sold, used for fuel,	vented, etc.)	<u> </u>			Test W	itnessed By	
35. List of Attachments								
	Completed	Shut-In To	Jator Tri	iection	12_10_78	}		
35. I hereby certify that							and belief.	
^ //	11 11			·	·		•	
SIGNED	Wohn //		T.T. 5 A	sst. Di	st. Supt.	•	ATE 1-8-	-79
JIGHEU								

					•				D	C.10t
NO. OF COPIES RECEIV	<u> </u>	ال 🛋								C-105 sed 11-1-14
DISTRIBUTION SANTA FE					·				Sa. Indic	ate Type of Lease
FILE					SERVATIO			ND 1 00	State	. Toe □
U.S.G.S.	- N	WELL COMPL	ETION	IN RECU)MPLE NU	א אנ	EPURIA	ND LUG	5. State (Oll 6 Gas Lease No.
LAND OFFICE 1	(1)								10	155
OPERATOR /	U *								Print	vinninishi
OPERATOR P										
Id. TYPE OF WELL		·							7. Unit A	Igreement Name
I THE OF WEEL	OIL	[GAS		١ا		T.T. a. 4	Tw -1	cation		•
b. TYPE OF COMPLE	OIL WE	.L wei	· 🗆	DRY	OTHER_	wat	er m	66.010	8. Farm	tral Vacuum Un
NEW WO	•• [[PLU		FF.						ral Vacuum Uni
2. Name of Operator	DEEPE	N L BACI	CL_I RI	ESVR.	OTHER				9. Well N	
1	. T 0									138
Texac	o inc.	 								hadraybunga
		Hobba	More Me	wi oo	8824	^				Andres
1. Location of Well	Box 728	, HODDS,	new Me	XIGO	0024	<u> </u>	 		2011	71/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/
1. Location of well	•									
_		10		Courth	•	-	70			
UNIT LETTER P	LOCATED	IU FEET	FROM THE _	South	LINE AND	1	o , , , , , , , , , , , , , , , , , , ,	EET FROM	12. Coun	
	26	7 F G	alı r	•		////				, <i>UIIIIII</i>
THE East LINE OF	sec. 30 T	wp. 1/-5 R	6e. 34-E	NMPM	MIIII	777	MIII		Lea	9. Elev. Cashinghead
					rod.) 15. 1				K, elc.) 1	3986 1
11-28-78	12-13-	- (0 15				_	3986' (
20. Total Depth	21. Plu	g Back T.D.	22.	If Multiple Many	Compl., Ho	w	23. Interval Drilled	By O-1	Y Tools	, Cable Tools
48001								> : 0~ ′	+000 .	
24. Producing Interval(s	i), of this complet	tion Top, Botto	m, Name		•					25, Was Directional Surve
1,076	lizoli i g	an arthur man C	^					•		NO
	-4724' G	rayburg S	an And	ires						J
26. Type Electric and C	-	ho to a co	Moute						27.	. Was Well Cored NO
Gamma	Ray-Cor	npensaced	Neuti	-011						NO
28.	· · · · · · · · · · · · · · · · · · ·	CA	SING REC	ORD (Repo	ert all strings	set	in well)			
CASING SIZE	WEIGHT LB.	/FT. DEPT	H SET	HOL	ESIZE			TING REC	ORD	AMOUNT PULLED
13 3/8"	54.5		621	17	<u>, † 11</u>		400_	SX		
9 5/8"	32.3	4 14	50'	12	를 II		800	SX		-0-
7"	20# & 2		621		3/4"		600	SX		-0-
41/2"	10.5	5# 48	001	7	7/8"		600	sx	,	-0-
29.	L	INER RECORD					30.	T	UBING RE	CORD
SIZE	TOP	воттом	SACKS C	EMENT	SCREEN		SIZE	DE	PTH SET	PACKER SET
							2 3/8	42:	11'	4211'
										
31, Perforation Record (Interval, size and	number)Perf	. 4늘"	csg	32.	ACID	, SHOT, FR	ACTURE,	CEMENT S	SQUEEZE, ETC.
w/2-JSPF @	42761,90	',4308',1	י8וֿ, יצ	,33°,	DEPTH	INTE	ERVAL	AMOU	NT AND H	CIND MATERIAL USED
45,54,58	66,741,8	301,861,4	4021,0	77,	42761	-47	724'			15% NE Acid
391,851,921	45001.08	',16',22'	.27'.3	321,39	1.	·				
w/2-JSPF @ 45',54',58', 39',85',92', 44',50',56' 32',38',44',	731,921	.46001.08	161.	241.						·
321.381.441.	501.561.6	501.721.8	61.941	.4764	1.					
33. 12'. & 47	241.			PRODU	CTION		<u>-</u>			
Date First Production		ction Method (Flo	wing, gas			d typ	е ритр)		Well Sta	tus (Prod. or Shut-in)
WA	TER INJEC	CTION WEL	L - NO	POTF	NTIAL	TES	ST	•		• *
Date of Test	Hows Tested	Choke Size	Prod'n.	For C	Oil - Bbl.		Gas - MCF	Wate	r – Bbl.	Gas - Oi! Ratio
		İ	Test Pe							
Flow Tubing Press.	Casing Pressure	Calculated 2	4- Oil — B	bl.	Gas - N	ICF	Wat	er – Bbl.	To	oil Gravity - API (Corr.)
	,	Hour Rate			1	-			۱	,,
34. Disposition of Gas (Sold, used for fue	l, vented, etc.)	-1					Test	Witnessed	i By
	, , , , , ,									•
35. List of Attachments										
· ·	completed	3 Shut -	Tn Wat	er In	iectio	n	10-20	-78		
36. I hereby certify that									o and hali	el .
	\ . / 1	hi	any mas je	19 11110	and complet		nest oj m	. , nametal	, who bett	*P
()	11.1.1			Λασ	t. Dis	+	Sunt		(7	1-8-79
SIGNED	po jone /		TIT	LE HOS	DIS		Dapo.		DATE	L U-17

Costal Vacuum Dait		Wall N	Date	7 7 8 7	-13
Pool Vacuum Unit Pool Vacuum Grayburg San Andr Ul depths measured from K TX. Comp. Date 2-17-79 @ T.I FORHrsPump.	res (werr w	10	state New Mexico	
11 depths measured from K	B or	<u>/2</u> ft.	. from group	nd level.	**
ORHrsPump.	. Plow. Pr	esent T.	D. 4790' PBT	D Elevation 3986 €	RD
			VE OR PAY I		
Name or Type of Zone			· ·	Remarks	
			Quant in		********************
Vacuum Gray burg San Andres	4263	4/30	rresent inj	ection interval	
		•			
	CASING	WAD TINES	R RECORD	•	
The second secon		Hole	- 4		
Size Weight Grade Set /			•	Remarks	
13 3/8" 54.5	0' <u>400</u> 800 /	17.74"		Cmt. Circulated	
7 23 K <u>55</u> 274	3 650	8 3/4		Cmt. Circulated	***************************************
4'/2 10.5 KSS 484		6 '/8		Cmt, Circulated	
COMI	PLETION AN	ID REMEDIA	AL WORK REC	ORD	
Production Test Before		Treat		Production Test A	
Date Oil Water GOR H					
2-17-79 Initial Completion	15% NE	9500 gal.	4263 4730	Shut in WIW	***************************************
			-		-
		-			
First Workover since interested	nitiation o	of terriary	y recovery =	⇒ IDC .	
Present AllowMax	411mg	- A	INJ.	2 47.809 an at 6-1	-87
				•	
Present Test: 011 - Water Present Injection: 713 BWPD (0 850 psi	Gas	GOR	HrsPump.	Flow
Choke Size			,		
Reasons for Remedial Work:		•		-	,
cleaning out and acidizing.			· ·	•	リナ
in a 23 BOPD increase in		,		bject well was	
Petroleum Engineering Recomm					
1. Rig up pulling unit. Unseat			,		
2. TOH W/ 41/2" pKr and 2					
, 1		•			
		· ·	· <u></u>		
Annumund Byra		-	District	Petroleum Engineer	
Reviewed and Approved By: District		Divis		•	
Geological		Eng	ineering		
Asst. Dist. Mgr Dist. Manager			logical 'l. Bupt		
-			pproved		
CASH MOR TOTA	L TEXAC	n I	ate		
IDC 21,000 0 21,00	00 21,000	2	ACT		
INV. O O O	0	ع ا	ROD. INC.	23 BOPD TX.	1
21 000 0 21 00	2 2		//		1

P.W.I. 17.88

DEFROI 1000.

LM 7-1-87

	VEO			•	•			Form C Revine	-105 d n-1-ж n
DISTRIBUTION	1 110	N					اع	u. Indicat	e Type of Lease
SANT FR				OIL CONSER'				State	X Fee
FILE	711NO	WELL COMPI	LETION O	R RECOMPL	ETION	REPORT A	1D LOG		l & Gas Lease No.
U.S.G.S.	WU							B	-155
LAND OFFICE	<u> </u>						k	irirr	$\sigma m mim$
OPERATOR		•		•					
ta. TYPE OF WELL					 -			. Unit Aur	rement Nume
.d. Tree or NECC	OI1	GA:	, []·		٠		1.	•	I Vacuum Unit
b. TYPE OF COMPLE	OIL WE	LL WE	ندليا	CHY	OTHER Wat	er Inject	TOTAL L		Leuse Name
NEW [V] WO	оя к []	PLU	JG 01	ee. 🗀			į,	Centra	I Vacuum Unit
2. Name of Operator	ER L DEEP	EN L BAC	K L J RE	SVR. L.J	OTHER		[. Well No.	
TEXACO Inc.							1	140	
3. Address of Cperator									ni Poel, or Wildent Grayburg San
P. 0. Box 72		New Marico	88240				V.	acuum (ьгауригд San Andre
4. Lecation of Well	.0 110003,	NOW MEXICO	00240					77777	Tilinini
UNIT LETTER N		10		South		2571	ET FROM	/////	
ONIT LETTER	LOCATED	TO FEET	FROM THE		TTTTT	TITIKIT		2. County	
	36	170						Lea	
THE West LINE OF	16. Date T.D. F	Reached 17. Da	te Compl. (R	endy to Prod.)	16. Elev	ntions (DF, R.	KB, RT, GR,	etc.) 19.	Elev. Cashinghead
12-15-78	1-2-7	· ·	2-7-79			3988			3988 '
20. Total Depth		ug Back T.D.		If Multiple Com	pl., How	23. Intervals		ools	Cable Tools
48001	į.	47841		Many	• • •	Drilled B	3y i > : 0−480		-0-
24. Producing Interval			om, Name			1	, 0-40		25. Was Directional Su
•		• •	, ,]	Made
4260-47021	Gravburg Sa	n Andres	:						No
26. Type Electric and (27. W	as Well Cored .
Gamma Ray Co	-	Neutron				-			No
28.			ASING PECC	RD (Report all	strings set	in well)			
CASING SIZE	WEIGHT LB		TH SET	HOLE SIZ			ING RECOR	D	AMOUNT PULLE
13-3/8"	54.5#		651	17-1/4			0 sx		-0-
							0 sx		
9-5/8"	1 37 3#	1 14	7011	17-1/4					
9-5/8" 7"	32.3#		50' 40'	12-1/4 8-3/4					-0-
7"	23#	27	40'	8-3/4	f1	65	0 sx		-0-
7" 4-1/2"	23# 10.5#	27 48			f1	65	0 sx 0 sx	SING REC	-0- -0-
7" 4-1/2" ^{29.}	23# 10.5#	27 48 INER RECORD	40' 00'	8-3/4 7-7/8	n 11	65 75	0 sx 0 sx TUE	SING REC	-0- -0- CRD
7" 4-1/2"	23# 10.5#	27 48	40'	8-3/4 7-7/8	f1	65 75 30.	O SX O SX TUE	H SET	-0- -0- GRD PACKER SET
7" 4-1/2" ^{29.}	23# 10.5#	27 48 INER RECORD	40' 00'	8-3/4 7-7/8	n 11	65 75	O SX O SX TUE	H SET	-0- -0- CRD
7" 4-1/2" 29.	23# 10.5# L	27- 48- INER RECORD BOTTOM	SACKS C	8-3/4 7-7/8 EMENT SC	REEN	65 75 30. size 2-3/8"	0 sx 0 sx TUE DEPT 422	н set 28 •	-0- -0- CRD PACKER SET 4228 1
7" 4-1/2" 29. SIZE	23# 10.5# TOP	27. 48 INER RECORD BOTTOM d number) Perf	401 001 SACKS C 4-1/2"	8-3/4 7-7/8 EMENT SC CSG W/ 32.	reen ACI	65 75 30. SIZE 2-3/8" D, SHOT, FRA	0 SX TUE DEPT 422	H SET	-0- CRD PACKER SET 4228 !
7" 4-1/2" 29. SIZE 31. Perforation Resort 2 JSPF @ 4260-,6	23# 10.5# TOP	27. 48 INER RECORD BOTTOM d number) Perf	40' 00' SACKS C 4-1/2" 9,18,24,	8-3/4 7-7/8 EMENT SC CSG W/32. 30,36	REEN ACI	65 75 30. SIZE 2-3/8" D, SHOT, FRA	O SX TUE DEPT 422 ACTURE, CE	H SET MENT SO	PACKER SET 4228 UEEZE, ETC.
7" 4-1/2" 29. SIZE 31. Perforation Record 2 JSPF @ 4260-,04,98,4453,56,0	23# 10.5# TOP (Interval, size and 63,66,73,8269,76,83,89	27. 48. INER RECORD BOTTOM d number) Perf 2,86,4304,0 2,93,4504,0	40' 00' SACKS C 4-1/2" 9,18,24,8,12,22,	8-3/4 7-7/8 EMENT SC CSG W/32. 30,36 9,28,35 42	reen ACI	65 75 30. SIZE 2-3/8" D, SHOT, FRA	O SX TUE DEPT 422 ACTURE, CE	H SET MENT SO	PACKER SET 4228 !
7" 4-1/2" 29. SIZE 31. Perforation Reserts 2 JSPF @ 4260-, 0 4,98,4453,56,0 10,76,81,94,99	23# 10.5# TOP (Interval, size and 63,66,73,82,69,76,83,89,4610,14,19)	27. 48. INER RECORD BOTTOM d number) Perf 2,86,4304,0 2,93,4504,0	40' 00' SACKS C 4-1/2" 9,18,24,8,12,22,	8-3/4 7-7/8 EMENT SC CSG W/32. 30,36 9,28,35 42	REEN ACI	65 75 30. SIZE 2-3/8" D, SHOT, FRA	O SX TUE DEPT 422 ACTURE, CE	H SET MENT SO	PACKER SET 4228 UEEZE, ETC.
7" 4-1/2" 29. SIZE 31. Perforation Record 2 JSPF @ 4260-,0 4,98,4453,56,0 10,76,81,94,99	23# 10.5# TOP (Interval, size and 63,66,73,82,69,76,83,89,4610,14,19)	27. 48. INER RECORD BOTTOM d number) Perf 2,86,4304,0 2,93,4504,0	40' 00' SACKS C 4-1/2" 9,18,24,8,12,22,	8-3/4 7-7/8 EMENT SC CSG W/32. 30,36 9,28,35 42	REEN ACI	65 75 30. SIZE 2-3/8" D, SHOT, FRA	O SX TUE DEPT 422 ACTURE, CE	H SET MENT SO	PACKER SET 4228 UEEZE, ETC.
7" 4-1/2" 29. SIZE 31. Perforation Record 2 JSPF @ 4260-, 34,98,4453,56,6 10,76,81,94,99, 17,84,91,96, &	23# 10.5# TOP (Interval, size and 63,66,73,82,69,76,83,89,4610,14,19)	27. 48. INER RECORD BOTTOM d number) Perf 2,86,4304,0 2,93,4504,0	40' 00' SACKS C 4-1/2" 9,18,24,8,12,22,	8-3/4 7-7/8 EMENT SC CSG W/32. 30,36 1 28,35 42	ACI DEPTH INT	65 75 30. SIZE 2-3/8" D, SHOT, FRA	O SX TUE DEPT 422 ACTURE, CE	H SET MENT SO	PACKER SET 4228 UEEZE, ETC.
7" 4-1/2" 29. SIZE 31. Perforation Reserved 2 JSPF @ 4260-0 24,98,4453,56,0 10,76,81,94,99 17,84,91,96, &	23# 10.5# TOP (Interval, size and 63,66,73,82,69,76,83,89,4610,14,19,4702)	27. 48. INER RECORD BOTTOM d number) Perf 2,86,4304,0 2,93,4504,0	40' 00' SACKS C 4-1/2" 9,18,24, 8,12,22, 48,53,6	8-3/4 7-7/8 EMENT SC CSG W/32. 30,36 1 28,35 42 50,67,	ACI DEPTH INT	65 75 30. SIZE 2-3/8" D, SHOT, FR/ ERVAL	O SX TUE DEPT 422 ACTURE, CE AMOUN 13,300 C	MENT SO	PACKER SET 4228 UEEZE, ETC.
7" 4-1/2" 29. SIZE 31. Perforation Resord 2 JSPF @ 4260,0 94,98,4453,56,0 40,76,81,94,99,77,84,91,96,& 33. Date First Production	23# 10.5# L TOP (Interval, size and 63,66,73,82 69,76,83,89 ,4610,14,19 47021	27. 48 INER RECORD BOTTOM d number) Perf 2,86,4304,0 2,30,34,42 action Method (File	401 001 SACKS C 4-1/2" 9,18,24, 8,12,22, 48,53,6	8-3/4 7-7/8 EMENT SC CSG W/32. 30,36 1 28,35 42 50,67,	ACI DEPTH INT	65 75 30. SIZE 2-3/8" D, SHOT, FR/ ERVAL	O SX TUE DEPT 422 ACTURE, CE AMOUN 13,300 C	MENT SO	PACKER SET 4228! UEEZE, ETC. NO MATERIAL USED
7" 4-1/2" 29. SIZE 31. Perforation Record 2 JSPF @ 4260,0 34,98,4453,56,0 10,76,81,94,99 17,84,91,96, & 33. Date First Production later Injection	23# 10.5# L TOP (Interval, size and 63,66,73,82 69,76,83,89 ,4610,14,19 47021	27 48 INER RECORD BOTTOM d number) Perf 2,86,4304,0 3,93,4504,0 3,30,34,42	401 001 SACKS C 4-1/2" 9,18,24, 8,12,22, 48,53,6	8-3/4 7-7/8 EMENT SC CSG W/32. 30,36 9 ,28,35 42 50,67, PRODUCTION ift, pumping —	REEN ACI DEPTH INT 260-4702 ON Size and ty	65 75 30. SIZE 2-3/8" D, SHOT, FR/ ERVAL	O SX TUE DEPT 422 ACTURE, CE AMOUN 13,300 C	MENT SQ T AND KII	PACKER SET 4228 UEEZE, ETC. NO MATERIAL USEO
7" 4-1/2" 29. SIZE 31. Perforation Record 2 JSPF @ 4260,0 94,98,4453,56,0 10,76,81,94,99, 17,84,91,96,& 33. Date First Production Water Injection	23# 10.5# L TOP (Interval, size and 63,66,73,82 69,76,83,89 ,4610,14,19 47021	27. 48 INER RECORD BOTTOM d number) Perf 8,86,4304,00 9,93,4504,00 9,30,34,42 action Method (File	40' 00' SACKS C	8-3/4 7-7/8 EMENT SC CSG W/32. 30,36 1 ,28,35 42 50,67, PRODUCTION Ift, pumping —	REEN ACI DEPTH INT 260-4702 ON Size and ty	65 75 30. SIZE 2-3/8" D, SHOT, FRA ERVAL 2	O SX TUE DEPT 422 ACTURE, CE AMOUN 13,300 C	MENT SQ T AND KII	PACKER SET 4228! UEEZE, ETC. NO MATERIAL USED 15% NE ACID
7" 4-1/2" 29. SIZE 31. Perforation Record 2 JSPF @ 4260, 14,98,4453,56, 10,76,81,94,99, 17,84,91,96, & 13. Date First Production afer Injection Date of Test	23# 10.5# L TOP (Interval, size and 63,66,73,82 69,76,83,89 ,4610,14,19 47021	27. 48 INER RECORD BOTTOM d number) Perf 2,86,4304,00 2,30,34,42 action Method (File Potential Choke Size	40' 00' SACKS C 4-1/2" 9,18,24,8,12,22,48,53,6	8-3/4 7-7/8 EMENT SC CSG W/32. 30,36 1. 28,35 42 50,67, PRODUCTION ift, pumping — ift of Oil — rood	REEN ACI DEPTH INT 260-4702 ON Size and ty	65 75 30. SIZE 2-3/8" D, SHOT, FRA ERVAL 2 pe pump) Gas - MCF	O SX TUE DEPT 422 ACTURE, CE AMOUN 13,300 C	MENT SQ T AND KII ials.	PACKER SET 4228! UEEZE, ETC. NO MATERIAL USED 15% NE ACID
7" 4-1/2" 99. SIZE 11. Perforation Record 2 JSPF @ 4260,1 4,98,4453,56,0 0,76,81,94,99 7,84,91,96, & 13. Cate First Production ater Injection Cate of Test	23# 10.5# 10.5# TOP (Interval, size and 63,66,73,82,69,76,83,89,4610,14,19,4702) The Well - No Hours Tested	27. 48 INER RECORD BOTTOM d number) Perf 2,86,4304,00 2,30,34,42 action Method (File Potential Choke Size	40' 00' SACKS C 4-1/2" 9,18,24,8,12,22,48,53,6	8-3/4 7-7/8 EMENT SC CSG W/32. 30,36 1. 28,35 42 50,67, PRODUCTION ift, pumping — ift of Oil — rood	ACI DEPTH INT 260-4702 ON Size and type Bb1.	65 75 30. SIZE 2-3/8" D, SHOT, FRA ERVAL 2 pe pump) Gas - MCF	O SX TUE DEPT 422 ACTURE, CE AMOUN 13,300 C	MENT SQ T AND KII ials.	PACKER SET 4228 UEEZE, ETC. NO MATERIAL USEO 5% NE Acid S (Prod. or Shut-in) Ges -Oil Rotto
7" 4-1/2" 29. SIZE 31. Perforation Record 2 JSPF @ 4260,0 14,98,4453,56,0,76,81,94,99 7,84,91,96, & 33. Cate First Production Cate of Test Clow Tubing Press.	23# 10.5# 10.5# TOP (Interval, size and 63,66,73,82,69,76,83,89,4610,14,19,4702) The Well No Hours Tested Casing Freesur	27. 48 INER RECORD BOTTOM d number) Perf 2,86,4304,0 2,30,34,42 action Method (File Potential Choke Size Tell Calculated Hour Hate	40' 00' SACKS C 4-1/2" 9,18,24,8,12,22,48,53,6	8-3/4 7-7/8 EMENT SC CSG W/32. 30,36 1. 28,35 42 50,67, PRODUCTION ift, pumping — ift of Oil — rood	ACI DEPTH INT 260-4702 ON Size and type Bb1.	65 75 30. SIZE 2-3/8" D, SHOT, FRA ERVAL 2 pe pump) Gas - MCF	0 sx 0 sx TUE DEPT 422 ACTURE, CE AMOUN 13,300 c	MENT SQ T AND KII ials.	PACKER SET 4228! UEEZE, ETC. NO MATERIAL USED 15% NE Acid Gravity - API (Corr.)
7" 4-1/2" 29. SIZE 31. Perforation Record 2 JSPF @ 4260,0 04,98,4453,56,0 0,76,81,94,99,07,84,91,96,& 33. Date First Production Cater Injection Date of Test Flow Tubing Press.	23# 10.5# TOP (Interval, size and 63,66,73,82,69,76,83,89,4610,14,19,4702) The Well No Hours Tested Casing Freesur	27. 48 INER RECORD BOTTOM d number) Perf 2,86,4304,0 2,30,34,42 action Method (File Potential Choke Size Tell Calculated Hour Hate	40' 00' SACKS C 4-1/2" 9,18,24,8,12,22,48,53,6	8-3/4 7-7/8 EMENT SC CSG W/32. 30,36 1. 28,35 42 50,67, PRODUCTION ift, pumping — ift of Oil — rood	ACI DEPTH INT 260-4702 ON Size and type Bb1.	65 75 30. SIZE 2-3/8" D, SHOT, FRA ERVAL 2 pe pump) Gas - MCF	0 sx 0 sx TUE DEPT 422 ACTURE, CE AMOUN 13,300 c	MENT SQ T AND KII T AND KIII T AND KIII T AND KIII T AND KIII	PACKER SET 4228! UEEZE, ETC. NO MATERIAL USED 15% NE Acid Gas -Oil Ratio Gravity - AP! (Corr.)
7" 4-1/2" 29. SIZE 31. Perforation Record 2 JSPF @ 4260, 64,98,4453,56,60,76,81,94,99,7,84,91,96, & 33. Cate First Production dater Injection Cate of Test Flow Tubing Press. 14. Disposition of Gas	23# 10.5#	27. 48 INER RECORD BOTTOM d number) Perf 2,86,4304,0 2,30,34,42 action Method (File Potential Choke Size Tell Calculated Hour Hate	40' 00' SACKS C 4-1/2" 9,18,24,8,12,22,48,53,6	8-3/4 7-7/8 EMENT SC CSG W/32. 30,36 1. 28,35 42 50,67, PRODUCTION ift, pumping — ift of Oil — rood	ACI DEPTH INT 260-4702 ON Size and type Bb1.	65 75 30. SIZE 2-3/8" D, SHOT, FRA ERVAL 2 pe pump) Gas - MCF	0 sx 0 sx TUE DEPT 422 ACTURE, CE AMOUN 13,300 c	MENT SQ T AND KII T AND KIII T AND KIII T AND KIII T AND KIII	PACKER SET 4228 UEEZE, ETC. NO MATERIAL USED 15% NE Acid Gas -Oil Ratio Gravity - API (Corr.)
7" 4-1/2" 29. SIZE 31. Perference Record 2 JSPF @ 4260, 14,98,4453,56, 10,76,81,94,99, 17,84,91,96, & 33. Date First Production Cater Injection Date of Test Flow Tubing Press. 34. Disposition of Gas 35. List of Attachments	23# 10.5# 10.5# TOP (Interval, size and 63,66,73,82,69,76,83,89,4610,14,19,4702) The Well - No Hours Tested Casing Freesur (Sald, used for funds)	d number) Perf (,86,4304,0) (,30,34,42) action Method (Fit Potential Choke Size Calculated Hour Hate et, vented, etc.)	40' 00' SACKS C 4-1/2" 9,18,24, 8,12,22, 48,53,6 Test Prod'n. Test Pe	8-3/4 7-7/8 EMENT SC CSG W 32. 30,36 9 28,35 42 50,67, PRODUCTION Ift, pumping — For Oil — Triod Oil —	ACI DEPTH INT 260-4702 ON Size and type Bb1.	65 75 30. SIZE 2-3/8" D, SHOT, FRA ERVAL 2 pe pump) Gas - MCF	0 sx 0 sx TUE DEPT 422 ACTURE, CE AMOUN 13,300 c	MENT SQ T AND KII T AND KIII T AND KIII T AND KIII T AND KIII	PACKER SET 4228 UEEZE, ETC. NO MATERIAL USED 15% NE Acid Gas -Oil Ratio Gravity - API (Corr.)
7" 4-1/2" 29. SIZE 31. Perference Record 2 JSPF @ 4260, 14,98,4453,56, 10,76,81,94,99, 17,84,91,96, & 33. Date First Production Date of Test Flow Tubing Press. 14. Disposition of Gas Well completed	23# 10.5# L TOP	ANER RECORD BOTTOM d number) Perf 1,86,4304,0 1,30,34,42 action Method (Fi Potential Choke Size e Calculated Hour Finte el, vented, etc.) ater Injection	40' 00' SACKS C 4-1/2" 9,18,24, 8,12,22, 48,53,6 Test Prod'n. Test Period Prod'n. Test Period	8-3/4 7-7/8 EMENT SC CSG W 32. 30,36 9 28,35 42 60,67, PRODUCTION ift, pumping — ift, pumping	REEN ACI DEPTH INT 260-4702 N Size and ty Bbi. Gas - MCF	65 75 30. \$1ZE 2-3/8" D, SHOT, FRA ERVAL 2 Pe pump) Gas - MCF Wate	O SX TUE DEPT 422 ACTURE, CE AMOUN 13,300 c	MENT SQ T AND KII ials. Well Statu	PACKER SET 4228 UEEZE, ETC. NO MATERIAL USED 5% NE Acid Greyity - Api (Corr.) By
7" 4-1/2" 29. SIZE 31. Perforation Reserved 2 JSPF @ 4260-,0 4,98,4453,56,0 10,76,81,94,99, 77,84,91,96, &	23# 10.5# L TOP	ANER RECORD BOTTOM d number) Perf 1,86,4304,0 1,30,34,42 action Method (Fi Potential Choke Size e Calculated Hour Finte el, vented, etc.) ater Injection	40' 00' SACKS C 4-1/2" 9,18,24, 8,12,22, 48,53,6 Test Prod'n. Test Period Prod'n. Test Period	8-3/4 7-7/8 EMENT SC CSG W 32. 30,36 9 28,35 42 60,67, PRODUCTION ift, pumping — ift, pumping	REEN ACI DEPTH INT 260-4702 N Size and ty Bbi. Gas - MCF	65 75 30. \$1ZE 2-3/8" D, SHOT, FRA ERVAL 2 Pe pump) Gas - MCF Wate	O SX TUE DEPT 422 ACTURE, CE AMOUN 13,300 c	MENT SQ T AND KII ials. Well Statu	PACKER SET 4228 UEEZE, ETC. NO MATERIAL USEO 5% NE Acid Ges -Oil Retto Gravity - AP! (Corr.)
7" 4-1/2" 29. SIZE 31. Perforation Reserve 2 JSPF @ 4260-, 04,98,4453,56,0 10,76,81,94,99, 17,84,91,96, & 13. Date First Production Date of Test Flow Tubing Press. 34. Disposition of Gas Well completed 16. I hereby certify than	10.5# 10.5# 10.5# 10.5# TOP (Interval, size and 63,66,73,82,69,76,83,89,4610,14,19,4702) Froduit No Hours Tested Casing Fressur (Sold, used for function size the information ABOUTTOM BOTTOM d number) Perf 2,86,4304,00 2,30,34,42 action Method (File Potential Choke Size Hour Hate Hate Hour Hate Hate Hate Hate Hate Hate Hate Hate	401 001 SACKS C	8-3/4 7-7/8 EMENT SC CSG W/32. 30,36 1. 30,36 2. 30,67, PRODUCTION Ift, pumping — For O!! — Tod Tod Tod Tod Tod Tod Tod To	ACI DEPTH INT 260-4702 Bb1. Gas - MCF	55 75 30. SIZE 2-3/8" D, SHOT, FRA ERVAL 2 pe pump) Gas = MCF Wate	O SX TUE DEPT 422 ACTURE, CE AMOUN 13,300 C	MENT SQ T AND KII Ials. Well Statu	PACKER SET 4228 UEEZE, ETC. NO MATERIAL USED 15% NE Acid Gravity - API (Corr.) By	
7" 4-1/2" 29. SIZE 31. Perference Record 2 JSPF @ 4260, 14,98,4453,56, 10,76,81,94,99, 17,84,91,96, & 33. Date First Production Date of Test Flow Tubing Press. 14. Disposition of Gas Well completed	10.5# 10.5# 10.5# 10.5# TOP (Interval, size and 63,66,73,82,69,76,83,89,4610,14,19,4702) Froduit No Hours Tested Casing Fressur (Sold, used for function size the information ABOUTTOM BOTTOM d number) Perf 2,86,4304,00 2,30,34,42 action Method (File Potential Choke Size Hour Hate Hate Hour Hate Hate Hate Hate Hate Hate Hate Hate	401 001 SACKS C	8-3/4 7-7/8 EMENT SC CSG W 32. 30,36 9 28,35 42 60,67, PRODUCTION ift, pumping — ift, pumping	ACI DEPTH INT 260-4702 Bb1. Gas - MCF	55 75 30. SIZE 2-3/8" D, SHOT, FRA ERVAL 2 pe pump) Gas = MCF Wate	O SX TUE DEPT 422 ACTURE, CE AMOUN 13,300 C	MENT SQ T AND KII ials. Well Statu	PACKER SET 4228! UEEZE, ETC. NO MATERIAL USEO 5% NE Acid Grovity - AP! (Corr.) By	

. .

AND MIMERALS DEPARTMENT 10. pr taritt etttirtt CONSERVATION DIVISION DISTRIBUTION Form C-101 P. O. BOX 2088 SANTA FE SANTA FE, NEW MEXICO 87501 FILE Sa. Indicate Type of Louise U.S.G.S. State X · with Fee LAND OFFICE S. State Otl & Gas Lease No. OPERATOR SUNDRY NOTICES AND REPORTS ON WELLS IS FOOD FOR PAGPGSA.S TO PAILL OR TO GEEPEN OR PLUG BACE TO A DIFFE! USE "APPLICATION FOR PERMIT _" IFORM C-1011 FOR SUCH PROPOSALS.) Water Injection Central Vacuum Unit Name of Operator TEXACO Inc. 9. Well No. Address of Operator P. O. Box 728, Hobbs, New Mexico 88240 Location of Well 10. Field and Pool, or Wildcat Vacuum Grayburg FEET FROM THE _ South _ LINE AND _ 1310 15. Elevation (Show whether DF, RT, GR, etc., 3992' (GR) Lea Check Appropriate Box To Indicate Nature of Notice, Report or Other Data SUBSEQUENT REPORT OF: CASING TEST AND DEWENT JOB . Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed MOTAL SEE RULE 1103. 1. Rig up & pull pkr. Spot 250 gals of bleach across perfs shot csg. 2. Perforte W/2 JSPF 4360-4724 (23 int. 46 Holes). Acidize perfs W/15% Acid in 3 stages W/1000# R.S. between stages. Flush W/75 bbls of fresh water. Set pkr. @ 4300'. Load annulus W/inhibited fresh water & return to inj. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

virus Dist. Opr. Mar.

MAR 1 8 1985

NOITIONS OF APPROVAL, IF ANY:

ORIGINAL SIGNED BY HERRY SEXTON

DISTRICT I SUPERVISOR

,			RECO	AMENDED	xemedi/	T Ma	Para	1-11-85 D	24
	entral Vacu			well No				ork Int 3,2710%	············
depth	s measured	fromk	R CE		_ft. from	group	d level.		MCI
R_	mp, Deser R			Flow. Pres			-Water - PG	Elevation 4003	DI
Main	T	_	CRIPTION Top	OF PROSI	PECTIVE	OR PA		ES marks	
	Granbura Su		4360	4724	- Atria	To be	lion In		
207.7	<u> </u>	1 PARIES				2 - 10) ec	+.017 In	127051	
		·	CAI	ING AND	LINER R	ICORE)		·
Size	Weight	Grade	Set At	Sacks Coment	Hole Size		Perf.	Remarks	
133/2	54.5	k-55	361	400	17/2			Cod Circ. labserved)
93/2 7	22.2.	H 40 K-55	1416	800 650	12 ⁷ 4	-		Cont Core (observed))
41/2	12.5	12	H800	750	6'12		o-4724 *	(m) TOFE 2200'/te.	mc Surve.
	Production			i and rej	Treatmen		RICOR	Production Test	After
Date		ter COR	Hrs	Туре Ан		Prom	7 0	Oil Water GOI	
7.26.23			4			1360 60	4724	water Injection	<u>ur!/</u>
5-7-81		4		57, 15:A 21	800	4360	6774 .	Dt.	
Λ (/							•	700,08 14 70,24 (23 I	
		,,		· · · · · · · · · · · · · · · · · · ·				1. Tecovery.	19
resent 1	Chobs	Man.	198 888 Em		9 Mure			re Pump. g Pressure	Flow.
iescas 1	for Remedia	Week:	t is reco	mmended	to clear	sul, re	peil to	increase forfaint	.673
_d	ersity, or	1 stimile	te the	San Andres	Pa/ +	to ach	.e. Je ari	increase in the	edian
_of	350 Ewi	cc. The	increace	I injection	اا:س ر	yield	9 20 B	OPD combined pro	odyci si
				d Procedure	·			•	
1)	Move in P.	c up pull	ine unit.	intall FOF,	relegie	facte	c POH		
	•		V					sary clearout to	~~
				-					
				leach acro	es feels	. Shut	Cardo	and squeeze an	
<u>_a</u>	dd:t:ono	1 250 0	als FOH						
<u> 5)</u>	le Merche	His follow	ing inter	us with	2JSPI.	4360,61	4,72,444	?, 52, 4526, 24, 43,	16,57
SON	1 1-11-85	20 05		•			100		
ć	185-2				-	- And	Se Da	confus Engineer	
Distric	and Approx	red By:	•		Divisio	n V	ause ter	totamit suffinert	
	ogical Supt	W.B.	he		Engi	neering			
Aget						ogical I. Supt.			
Asst. Supt.	·								
	i~	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			_	proved			
		26.900	D 26,6	00 9,6 0	_	proved			
		26.500 0 24.500	, 0 9	,,	Ą	proved	1.27	20 (7)	

DMD-Buckeye

IDC WO: This is the tial workover on the subject well un tertiary recovery injection operations which (were) or (will be) initiated in _ Est. 8 - 464 Porm PO-90 (1 RECOMMENDED REMEDIAL WORK (1177 3-24-88 Date_ Central Vacuum Unit 161 Tx. Work Int. 61.230785 Well No. Pool Vacuum Grayburg Son Andres County_ _State_ All depths measured from ft. from ground level. KB or 4800 I.P. 011 @ T.D. TX. Comp. Date 1-11-83 .Water 4730' PBTD Pump. Flow. Present T.D. Elevation, Hrs. DESCRIPTION OF PROSPECTIVE OR PAY IONES Name or Type of Ione Top Base Remarks Grauburn San Andres Present Injection Interval 4391 4727 CASING AND LINER RECORD Hole Bize Size Perf. Weight Grade Set At Cement Remarks 20" 65# **H40** Cement Circulated 16 11314 51/2 Cement Circulated COMPLETION AND REMEDIAL WORK RECORD Production Test Before Treatment Production Test Afte Amount From Water Water GOR To Oil GOR Date 011 Type Initial Completion 1-11-83 15% HC1 12,250 gal 4391 4727 Peifs: 4391,93,96,4400,11,16,21,23,26,28,32,40,44,89,92,94,96,97,4545,47,51,56,63,65,70,77,80,86,90,94,96,4601,04,15,33,57,60,68,76,83,91,96,98,4700,02,07,10,12,18,22,27(2. Accum. Prod. 1.233,908 as of 3-1-88 Present Allow_ Max. Allow_ GOR Present Test: Oil_ Water. psi (max Press allowed = 878 psi Pump. Plo Gas Present Injection: 402 BWPD @ 875 Tbg Pressure Reasons for Remedial Work: To increase injectivity into the subject well an estimated 350 BWPD by cleaning out, treating with chlorine dioxide (C102), and acidizing. This increase in injection is predicted to result in an offset response of Petroleum Engineering Recommendations and Procedure: 1. Rig up pulling unit. Unset pkr. Install BOP. 2. TOH w/ inj. pkr on 23/8" duoline tbq. District Petroleum Engineer Reviewed and Approved By: District Division Engineering Geological Asst. Dist. Mgr. Geological Dist. Manager_ Gen'l. Supt. Approved CASH TEXACO HOM TOTAL Date 20,800 0 20,800 12.736 IDC PROD. INC 27 BOPD TX 0 0 0 20,800 4 mos Q# 15.75 20,800 12,736 TOTAL PAYOUT DCFROI 3-18-88 15.22 PaWala

PROD. INCR (TX%)

DCFROI

PAYOUT

PWI

1	CASH	MOH	! TOTAL !	TEXACO
EXP		<u> </u>	1	j
INV.				
TOTAL	!	!	[1

TITLE

JUL 1 2 1991

ORIGINAL SIGNED BY JERRY SEXTON

DISTRICT I SUPERVISOR

APPROVED BY-

CONDITIONS OF APPROVAL, IF XXY?

								Γα+	e 04-09-	-91			
Lease CE	VIRAL VAC	TIOM UNIT		Wel	l No 1	69	Tx. W						
Pool VACU	JUM GRAYB	URG SAN	ANDRES	C	ounty L	EA		Sta	te NEW M				
All depth	ns measur	ed from_	KB	or	12		_ft.fr	om gr	ound lev	rel.	_		
Tx. Comp.	. Date <u>12</u>	<u>-10-86</u>	@ т.	D. 4	710'I. :	P. O	011 <u>1394</u>	D	Wat	er 350	Gas	473	MCF
GUR 339		.5 <u>.44</u>	~~~	F CALL	b rrow.	FLG	some 1.	ے	7/10		TICAGCT	OII <u>. 333.</u>	<u>'</u>
			DESCR	IPTIC	N OF PR	OSPE	CTIVE O	R PAY	ZONES				
		f Zone											
GRAYBURG	SAN ANDR	ES		276	4710	<u> </u>	OPEN H	OLE					
													
								į					
				CA	BING AN	D LI	NER REC	ORD					
Size	Weight	. Grade	e 8	et At	Sack: Ceme				Perf.		Remark	3	
20"	01#	K-55	5 35	A I	1000		2411			CM	T CIRCU	CHTA 1	
13 3/8"							17 1/	<u>2"</u>			T CIRCU		
9 5/8"							12 1/	<u>4"</u>			r circu		
7"	23#		<u> 42</u>	76'	<u>750</u>	 -	8 1/2	" —		_ <u>CM</u>	T CIRCUI	LATED	
			COM	PLETI	CINA NIC	REME	DIAL WO	rk re	CORD	,			
I	Productio	n Test Be	efore			1	Treatme	nt		Prod	uction !	rest Af	ter
Date							unt				Water		
12-10-86	INITIAL	COMPLETIO	_ MC	24	15%NEFE	400	O GALS	4276	<u>' 4710'</u>	1394	350	<u>339</u>	24
11-02-87	239	495		<u> </u>	LOWNERE	100	UU GALS	42/6	4/10.	<u> 691</u>			
													
													
Remarks:													
Present A	Allow		Max Al	llow.	ינידאוז		Accum.	Prod.	422.00	20	as of	02-01-	- 91
					-								
Present 1	Test: Oil	<u>85</u>	Water	775	Gas_	<u> 36</u>	G	OR		Hrs_	241	Pump Fl	ow.
Reasons f	or Demed	ial Works	To i	noroa	se oil m	nrođ	uction	85 BO	PO it i	e rom	mended	that t	he
										'.	1		
<u>subject w</u>	<u>æll be a</u>	cidized a	and cle	aned	out. T	he w	æll pro	duces	85 BOPI	o and i	<u>ls on a</u>	<u>25% de</u>	<u>cline.</u>
Seve	ral well:	s in the	<u>unit ha</u>	ave re	cently	beer	<u>cleane</u>	<u>d out</u>	<u>resulti</u>	ng in	<u>a 60-100</u>	Bbl i	ncrease
Petroleum	Enginee:	ring Reco	mmenda	tions	and Pro	oceđ	ure:						
SEE ATTAC	HED PAGE					· · · · -			· · · · · · · · · · · · · · · · · · ·				
	•.												
									•				
											· · ·		
· · · · · · · · · · · · · · · · · · ·													•
													
	• =	•							Area Ma	nager		-	
Reviewed							nit	vision	1				
Engineer Production	n Foremai	n							red				
Area Engi						_		Date					
-													
		À											
	! CASH	MOH	TOTAL	TE	(ACO		<u> </u>	PROD.	INCR (T	X%)	(<u>) !</u>
EXP	<u> </u>			! !				PAYOUI	י				<u>_</u>
INV.	<u> </u>			<u> </u>			<u> </u>	WI		DX	FROI		

Submit 5 Copies
Appropriate District Office,
DISTRICT 1
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-104 Revised 1-1-89 See Instructions at Bottom of Page

OIL CONSERVATION DIVISION

DISTRICT II P.O. Drawer DD, Artesia, NM 88210	Santa I	P.O. B	Sox 2088 Sexico 8750					
DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410	REQUEST FOR	Allowai	BLE AND	AUTHORU	ZATION			
I. ,	TO TRANS				AS			
Opérior Texaco Exploration a	and Production Inc				\	API No. 30-025-3	11107	
Address P.O. Box 730 Hobbs,		. •						
Reason(s) for Filing (Check proper box,			Oth	er (Please expl				
New Well XX	Change in Trans	- —	,,	•				
Change in Operator Change of operator give name and address of previous operator	Casinghead Gas							
I. DESCRIPTION OF WELL	L AND LEASE							
Lease Name	Well No. Pool	Name, Includ	ling Formation			of Lease		ease No.
Central Vacuum Unit	290 V	acuum G	rayburg S	an Andre	es State	Federal or Fe	e B-15	55
Cocation Unit LetterN	: 670 Feet	From The	South Line	and263	3:0 Fe	et From The	West	Line
Section 36 Towns	ship 17S Rang	ge 34E	, NI	ирм,			Lea	County
II. DESIGNATION OF TRA	NSPORTER OF OIL A	ND NATU	IRAL GAS					
Variable of Authorized Transporter of Oil	on Condensate		Address (Give	address to wh	hich approved	copy of this f	form is to be se	nt)
Mobil Pipe Line Comp Texas New Mexico Pip	ëline	TI Con	P:8: Ba	× 2528 ^D	tobbs: N	Vew Mexi	. ξ6 ⁺ 88240)
Vame of Authorized Transporter of Cas Phillips Petroleum C Texaco Exploration a	nd Production Inc	(L2	4001 Pe	e address to when brook (9762 gton, N	M. 88260
f well produces oil or liquids, ve location of tanks.	Unit Sec. Twp. E 31 17	. Rge. S 35E		connected?	When	07-23	3-91	
this production is commingled with the V. COMPLETION DATA	at from any other lease or pool,	give comming	ling order numb	er:			·	
Designate Type of Completio	on - (X) Oil Well X	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded 05-29-91	Date Compi. Ready to Prod. 07-23-91	•	Total Depth 4850)		P.B.T.D. 4750	-	
GR-3994, KB-4009	Name of Producing Formation San Andres	oa	Top Oil/Gas I			Tubing Dept	th	
Perforations 4285-94, 4304, 4309,	4314-18, 4321, 43	32, 4338	3 w/2 JSP	F. 36 hc	oles	Depth Casin	g Shoe 485	0
4390-95, 4434-36, 444 4652 4656-60 4660-7	4-47, 4452-543 44	62 31/2	JSPF_26_b	91es: 45	73, 45 9	3 - 4605	-11, 462	2, 4643,
1652, 4656-60, 4669-7 HOLE SIZE	4, 4677 11 BUNG CASING & TUBING	HUG SUL		DEPTH SET	D		SACKS CEME	AIT
17 ½	13 3/8	JOILE	 	1550			00 SX (c	
12 ½	9 5/8		<u> </u>	2800			50 SX (c	
					 	+	V. Tool	
8 3/4	7			4850		· · · · · · · · · · · · · · · · · · ·	O SX (ci	
TEST DATA AND REQUI								
OIL WELL (Test must be after Date First New Oil Run To Tank	Date of Test	a ou ana musi		exceed top allo thod (Flow, pu			for full 24 how	5.)
07-06-91	07-29-91	-	i	•		16.7		
ength of Test	Tubing Pressure		Casing Pressu	ersible	Pump	Choke Size		
24 hours				-				
ctual Prod. During Test	Oil - Bbls.		Water - Bbls.			Gas- MCF	· · · · · · · · · · · · · · · · · · ·	
757 GOR	136		10	19	 	1	03 234	Fo
GAS WELL						//	1 1 2 ·	00 789
Actual Prod. Test - MCF/D	Length of Test		Bbls. Condens	ate/MMCF		Gravity of S	ondensate	3
esting Method (pitot, back pr.)	Tubing Pressure (Shut-in)		Casing Pressu	re (Shut-in)		Choke Size	2 6 10 10 10 10 10 10 10 10 10 10 10 10 10	
T ODED ATOD CHRITTE	CATE OF COLOR IA	NCE	 	 		12	- 60 .	S 44 3
I. OPERATOR CERTIFICATION OPERATOR CERTIFICATION IN THE PROPERTY OF THE PROPER	ulations of the Oil Conservation		C	IL CON	SERVA			
is true and complete to the best of my		vc	Date	Approved	d t	40 	6-14	0019
MA				.F. F. 3 . 3 .				Orig. Sign
Signature Signature	· · · · · · · · · · · · · · · · · · ·		By_	OF:GINA			₹08	Paul Ka
M. C. Duncan Printed Name	Engineer's Assis	stant		-F-1-		ारहर।5७ :	त.	Fichion
8-12-91	393-7	7191	Title_	 				
Date	Telephone		11					

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.

House up manager

t	Submit to Appropriate			F	_	tate of Nev and Natur		~ •	Danaste		•					•	C-105	
	District Office State Lease - 6 copies			Energy	, Mulicials	MINT TASKIT	#1 VC2(ources !	Deparu	HEIL	L					Revis	ed 1·1·89	
	Fee Lease - 5 copies DISTRICT I P.O. Box 1980, Hobbs, !	NM 88240		OIL	CONS	ERVA'	OIT	ı Dİ	ff210	K	E W	ELL API 0-025-	NO. 311	95				
	DISTRICT II P.O. Drawer DD, Artesia				Santa Fe,	New Mex	ico 8	7504-2	2088		5.	. Indicate	Туре	of Lease		e X	FEI	: D
	DISTRICT III 1000 Rio Brazos Rd., As	ziec NM 8	7410						2			State Oi -155	A C	las Lease	No.			
٢				OR RE	COMPLE	TION REI	PORT	AND	OG.		- V		///		///			
	IL Type of Well: OIL WELL		WELL.		DRY	OTHER _	ONI	<u> </u>				Lease N					LIDS	
	b. Type of Completion: NEW WORK WELL OVER		mex [PLUG		DEFF RESVR OT	ner.											
ŀ	2. / Name of Operator									==	- 8	. Well No					-	
1	TEXACO EXPLO	RATION .	& PRO	DUCTIO	N INC.						i -	91	•					,
ŀ	3. Address of Operator				70700						9	. Pool na	236 01	Wildcat				
-	P. O. Box 310	9, MIG	land,	iexas	79702						Į v	ACUUM	GR	AYBUR	G S	AN AN	IDRES	
l	Unit Letter N	:	660	Feet	From The	SOUTH		Liı	e and	133	0	Foo	t Fro	on The	WE	ST_		_ ·Line
	Section 36				- -17–5		Rane	 ₆ 34-1	- East		NM	PM LE	ΕA		اسر	56	789	- Ymiy
1	10. Date Spudded	11. Date T.			12. Date Co	empl. (Ready i	<u>_</u>		13. Elev		u (DFå	RKB, RT	, GR	esc y	114		Casinghes	<u> </u>
	06-19-91 5. Total Depth	06-29-	Plug Ba	+ TD	07-26-	17. Jf Mukiple	Comol					4014'	`ante	13	13:	199	G. #	- 6)
Ŀ	1850'	47	50'			Many Zoo	es?			Dai	tvals iled By	0 -48	50'	(E)	۱۹ باری		120	4
	9. Producing Interval(s)		-	- Top, B	ottom, Name								20	ESC DI			vey Made	6
⊢	4301' - 4675': S											Taa =:	1 11	ED		<u> </u>		
	21. Type Electric and Oti GR—DLL—MSFL—C/			SN. GR	-SONIC							22. Was	Well	Couled	·	•	1	60
ᆫ	23.					ECORD	(Repo	ort all	strings	s se	t in w				C.	5.23	71800	
	CASING SIZE		GHT LI		DEPT	H SET		OLE SI				ENTINO	RE	CORD		AM	OUNT P	ULLED
-	3 3/8	48 & 9	54.5#		1538'		17 1/					C, CIRC						
ŀ	9 5/8	36#			2800'		12 1,	/4				, CIRC	_			 		
H	7	26#			4850'		8 3/	'Α				OL @ 1				-		
r					7000		0 0,	7		1-	00 0x	, Circ	70	<u> </u>		 		
1	24.	_ '		LIN	ER RECO	RD	l				25.		TUB	ING R	ECC	ORD		
Ľ	SIZE	TOP			MOTTO	SACKS CE	MENT	S	CREEN			SIZE		DEP		I	PACK	ER SET
L				ļ			·	ļ			2 7/8	3	_	4183'			4093'	
Ŀ	Derference man		-1-1-			L		L	A CTTD	<u>—</u>	IOT I	70 4 677	<u></u>	CC) O	~		-	F-700
	6. Perforation reco					10 HOLES	;		PTH INT			RACTI					ERIAL U	
	1584' - 4675': €								1' 4	_		ACID-3						320
									3' - 4!			ACID-5						
						·			1' - 40	375	,	ACID-3	200	GAL	15%	NEF	E	
	₹8.					PRODU								,				
C	Data First Production 07-18-91		SUBN		DE PUMP	lowing, gas l								PROD!			or Shut-i	A)
	Data of Test 07-30-91	Hours To	ested	C	boke Size	Prod'n Fo		Oil - Bb 120	ł.	G 5	48 - M C 8		₩ 500	ster - Bb	L.	483	G4 - 0	il Ratio
F	low Tubing Press.	Casing F	ressure		alculated 24- lour Rate	Oil - Bbl	•	Gar	- MCF		Wat	er - BbL		38.6		y - API	- (Corr.)	
	19. Disposition of Gas (Se SOLD	old, used fo	r fuel, ve	enied, eic	.)							L.		nessed B	y		-	
_	O. List Amschments				······································							1						
_	EVIATION SURVEY																	
	11. I hereby certify that	the inform	nation .	shown o	n both side:	s of this forn	is true	and co	mplese s	o th	e best d	of my love	wlea	ige and	belie	1		
	\sim	· 1																

Title DRLG. OPNS. MGR. Date 08-01-91

RECOMMENDED REMEDIAL WORK

4

Ul depths	measured	GLORIETA From KB	or		_ft, from	ground	level,		MEXIC		
X. Con		2-18-63 @ Inc	T. D_68	53 I. P. 01 Flow.) Pres	1 126		Water	Please	_Gas_ on_40	92 08 KB	_MCF
OK	·		•	OF PROS					081		
Main	T		Top	Base	reciive (M TA		marks			
VACUU	or Type	IETA	5907	6131	PRESE	NT PE	PODUCIN		ERYAL		
									 		
											
		•	CA	SING AND	LIMED DE	CORD					
			•	Sacks	Hole	····				•	
Sine	Weight	Grade	Set At		Size	P	erf.		Rom	arks ·	
11-3/4	42 */FT	N.A.	1550'	<u>9∞ sx</u>	15"	1101				LIRCULAT	
8-5/8	24	N.A.	3374'	500 5X	7-7/8"	120	NE : 6477 (592			IRCULAT	
2-7/8	6.4	N.A.	6852' 6850'	<u> 1200 38</u>	1 // 8		· 6131	700	J G 3241	J - 60K	
		60		n and re	MEDIAL V)			
	Production	n Test Bife			Treatment			_	duction	Test A	Mar
Date	OII W	ater GOR	Hrs		nount	From	To	Off	Water		Hrs G(F)
2-18-63 2-25-63		COMPLETIO				<u>916</u> 460	6477	126	94	730	$\frac{9(5)}{9(5)}$
2-27-63	SECOND	BLINEBRY AT	TEMPT	15% LSTNE 1		304	6387	0	113	0	7 (S)
3-8-63 1-21-71	THIRD	CLINEERY AT				246 916	6271 .	127	<u>99</u>	137.5	10 (S) 24 (F)
- 8 - 81	34	7 1176	24 (P)	SQZ ANNULUS	700 SX.	575	SURFACE	3		1176	24 (P)
-22-82		15 1196		<u>20% NEFE 3</u> 7, 48, 65, 599		907	6131 AT 5907, 1	132	52	1176	24 (P)
EST DAT	Now 29	7		107 BOPD		•		_			
EST DAT	est: 011	7	x. Allow	Cas	<u>92</u>)R_ \$C	851 80 DOO H	2	41	8*/ Pump. N.A.	447 ,
rest Dai Present 7	lest: Oil Cholo	7 24 W	N.A.	Pn	92G()R \$ C N. A .	<u> </u>	rs 2	4	Pump. A	PEATING
rest Dai Present 7	lest: 011	24 Wests:	N.A. TO INCR	Cas	92 GC)R	000 H	Press PN 15	4 j	Pump. A.A. EY T	
rest Dat Present T Reasons 1	Cholo	24 WI	N.A. TO INCR	CAR I	92 GC	N.A. ELL PI	CO H RODUCTION AND GO	og Press	4 j	Pump. A.A. EY T	
resent T	Cholo Cholo Cholo Cre Remedi ISTING P	24 Winds Work: DERFORATION WORK IS	N.A. TO INCR S WITH RECOMF	CALLER SUITAD GALLON	92 GC BJECT WI IS OF XYL R THE FI	N.A. ELL PI ENE , OLLOWI	CO H TO RODUCTION AND GO NG REA	Promision 15	EOPD LCNS	Pump. A. N.A., BY TOP 20%	NEFE
TEST DAI Present T Reasons in THE EX YL ACH	Cholo Cholo Cholo Cholo Cholo Cor Remedi	24 WIND Size Size Work: DERFORATION WORK IS WELL, I	N.A. TO INCR S WITH RECOMP	CALLON FOR	92 GC BJECT WI IS OF XYL R THE FI 24 BOF	N.A. ELL PI ENE , OLLOWI	TO H RODUCTION AND GO NG REA S SURRO	Production 15 Pr	EOPD LCNS C	Pump. III N.A. BY T OF 20% THREE	NEFE
REST DAI PRESENT T RESERVED A CHI PL A CHI OFFO	Choix Choix Creat: OIL Choix The Remediation of Particle of The Supplection of Property of the Control of the	24 W. Sise. Sise. ESPECIATION WORK IS WELL, I	N.A. TO INCR S WITH RECOMP CURPENTL	REASE SUITED FOR	92 GC SJECT WI IS OF XYL R THE FI 24 BOF (FIGURES	N.A. ELL PI ENE , OLLOWI	TO H RODUCTION AND GO NG REA S SURRO	Production 15 Pr	EOPD LCNS C	Pump. III N.A. BY T OF 20% THREE	NEFE
Reasons in the Explosion of Forest Control of Fo	Choin Choin The Remedition of Particle PRo THIS SUBJECT ETS PRO Triginater	24 Wark: DERFORATION WORK IS WELL, DUCING 50	N.A. TO INCR S WITH RECOMP CURPENTL TO S modations	REASE SUITED FOR PUMPING TO BOTH POPPING TO BOTH POPPING TO BOPD	92 GC BJECT WI IS OF XYL R THE FI 24 BOF (FIGURES	N.A. ELL PI ENE , OLLOWIT 1,4).	TO HE	Production 15 Pr	EOPD LONS C ON 7	Pump. A. N.A. BY T OF 20% CHREE FLL'S	NEFE
Reasons 1 THE EX YL ACII 1) THE OFFC Petroleum 1. MIR 2. GO	Choke Choke Choke Con Remedi ISTING P D. THIS SUBJECT STE PRO Remedium U PULLI	24 WIND Size SERFORATION WORK IS WELL, GOLDING 50 ING RECOMMENT.	N.A. TO INCR S WITH RECOMP CURPENTL TO S TO S TO S TO S TO S TO S TO S	CAR PROPERTY PUMPING 96 EOPD	92 GC PJECT WI IS OF XYL R THE FI 24 BOF (FIGURES PUMP, IN	N.A. ELL PI ENE , OLLOWIT 1,4).	TO HE	Production of the second secon	EOPD LCNS CON 7	Pump. IN.A. BY TOP 20% THREE FLL'S I	NEFE SIDES E DRAINAC
Reasons 1 Reasons 1 THE EX YL ACTI OFFC Petroleum 1. MIR 2. GO TO	Choin Choin Choin In Remedi ICTING P D. THIS SUCJECT ETC PRO Tengineer U PULLI IN Y-ST G150'.	Size Size	N.A. TO INCR S WITH RECOMP CURPENTL TO S MALIONS PULL H 2-5/16	REASE SUITAD GALLON PUMPING BG ROPD AND	92 GC SJECT WI IS OF XYL R THE FI 24 BOF (FIGURES PUMP, IN 1-5/8" W	N. A. ELL PI ENE DOLLOWING 1,4).	RODUCTION AND GO REAS SURROTHE	President STATE ST	EOPD LONS CON 7 ECT WI 1/16" 71	Pump. IN.A. BY TOPE 20% THREE FLL'S UCING. IF NEC	NEFE SIDES E DRAINAC
ROSSONS 1 ROSSONS 1 RESENT 7 ROSSONS 1 ROSSONS	Choice Ch	Sise Sise	N.A. TO INCR S WITH RECOMF CURPENTL TO S INCRES TO S	CAR I	92 GC BJECT WI IS OF XYL R THE FI 24 BOF (FIGURES PUMP, IN 1-5/8" W ORATIONS	N.A. ELL PI LENE , OLLOWI 1,4). ISTALL UORKSTI	RODUCTION AND GO REAS SURROUTHE BOP. PRING.	Production of 2	EOPD LCNS C ON 7 ECT WI 1/16" 71 CUT,	Pump. IN.A. BY TOF 20% THREE FLL'S URING. IF NEC	NEFE SIDES E DRAINAC ESSARY
Reasons 1 Reason	Choice Ch	24 WING WIT.	N.A. TO INCR S WITH RECOMF CURPENTL TO S INCRES TO S	REASE SUIT AO GALLON TENDED FOR ROPD AND ROPS AND ROSS PERF	92 GC BJECT WI IS OF XYL R THE FI 24 BOF (FIGURES PUMP, IN 1-5/8" W ORATIONS	N.A. ELL PI LENE , OLLOWI 1,4). ISTALL UORKSTI	RODUCTION AND GO REAS SURROUTHE BOP. PRING.	Production of 2	EOPD LCNS C ON 7 ECT WI 1/16" 71 CUT,	Pump. IN.A. BY TOF 20% THREE FLL'S URING. IF NEC	NEFE SIDES E DRAINAC ESSARY
Reasons 1 Reason	Choice Ch	T 24 WING.	N.A. TO INCE S WITH RECOMF CURPENTL TO S MARIONS PULL H 2-5/16 SPOT AC LLONS	REASE SUIT AO GALLON TENDED FOR ROPE AND ROPE AN	92 GC EJECT WI IS OF XYL R THE FI 24 BOF (FIGURES I: PUMP, IN I-5/8" W ORATIONS EFE HCI	N.A. ELL PI ELL PI CLICWI OLLOWI 1,4). ISTALL UORKSTI A M SQ	RODUCTION AND GO READ THE BOP. PRING.	Production of a mixture	EOPD LCNS C ON 7 EC7 WI 1/16" 71 CUT, 10 GAL E INT	Pump. IN.A. BY TOF 20% THREE FLL'S URING. IF NEC	NEFE SIDES E DRAINAC ESSARY
ROMODE 1 ROM	Choice Ch	T 24 WING.	N.A. TO INCE S WITH RECOMF CURPENTL TO S MARIONS PULL H 2-5/16 SPOT AC LLONS	REASE SUIT AO GALLON TENDED FOR ROPD AND ROPS AND ROSS PERF	92 GC EJECT WI IS OF XYL R THE FI 24 BOF (FIGURES I: PUMP, IN I-5/8" W ORATIONS EFE HCI	N.A. ELL PI ELL PI CLICWI OLLOWI 1,4). ISTALL UORKSTI A M SQ	RODUCTION AND GO READ THE BOP. PRING.	Production of a mixture	EOPD LCNS C ON 7 EC7 WI 1/16" 71 CUT, 10 GAL E INT	Pump. IN.A. BY TOF 20% THREE FLL'S URING. IF NEC	NEFE SIDES E DRAINAC ESSARY
ROMODE 1 ROM	Choice Ch	T 24 WING.	N.A. TO INCE S WITH RECOMF CURPENTL TO S MARIONS PULL H 2-5/16 SPOT AC LLONS	REASE SUIT AO GALLON TENDED FOR ROPE AND ROPE AN	92 GC EJECT WI IS OF XYL R THE FI 24 BOF (FIGURES I: PUMP, IN I-5/8" W ORATIONS EFE HCI	N.A. ELL PI ELL PI CLICWI OLLOWI 1,4). ISTALL UORKSTI A M SQ	RODUCTION AND GO READ THE BOP. PRING.	Production of a mixture	EOPD LCNS C ON 7 EC7 WI 1/16" 71 CUT, 10 GAL E INT	Pump. IN.A. BY TOF 20% THREE FLL'S URING. IF NEC	NEFE SIDES E DRAINAC ESSARY
Reasons 1 Reasons 1 HE EX YL ACTI OFFC Petroleum 1. MIR 2. GO 3. PUL 4. SW E. TEA MAS 10-11 Dmp 10-1	Choix Choix Choix Choix Choix Creating Period Cor Remediation Process Subject Siz Pro Remediation Process Subject Siz Pro Remediation Correct	T 24 WING.	N.A. TO INCE S WITH RECOMF CURPENTL TO S MARIONS PULL H 2-5/16 SPOT AC LLONS	REASE SUIT AO GALLON TENDED FOR ROPE AND ROPE AN	92 GC EJECT WI IS OF XYL R THE FI 24 BOF (FIGURES I: PUMP, IN I-5/8" W ORATIONS EFE HCI	N.A. ELL PI ELL PI CLICWI OLLOWI 1,4). ISTALL UORKSTI A M SQ	RODUCTION AND GO READ THE BOP. PRING.	Production of a mixture	EOPD LCNS C ON 7 EC7 WI 1/16" 71 CUT, 10 GAL E INT	Pump. IN.A. BY TOF 20% THREE FLL'S URING. IF NEC	NEFE SIDES E DRAINAC ESSARY
REST DAIN THE EXT PACE OFFICE THE EXT POLICE TO TO TO TO TO TO TO TO TO TO TO TO TO	Choix Choix Choix Choix Choix Creating Period Cor Remediation Process Subject Siz Pro Remediation Process Subject Siz Pro Remediation Correct	T 24 WING.	N.A. TO INCE S WITH RECOMF CURPENTL TO S MARIONS PULL H 2-5/16 SPOT AC LLONS	REASE SUIT AO GALLON TENDED FOR ROPE AND ROPE AN	92 GC EJECT WI IS OF XYL R THE FI 24 BOF (FIGURES I: PUMP, IN I-5/8" W ORATIONS EFE HCI	ELL PI ELL PI ENE DOLLOWI OLLOWI 1,4). ISTALL UDRKSTI	RODUCTION AND GO READ THE BOP. THE RING.	Production of a mixture of 570	EOPD LCNS CON TECT WITH CUT, 10 GAL	N.A. BY TOP 20% THREE FLL'S TF NEC	NEFE SIDES E DRAINAC ESSARY
Reasons 1 Reason	Choin Choin	24 WATE: SERFCRATION WORK IS WELL; BUCING 50 ING WIT RING WIT AG121'. IP 40 GA ING. 2-1/2" PA	N.A. TO INCE S WITH RECOMF CURPENTL TO S MARIONS PULL H 2-5/16 SPOT AC LLONS	REASE SUIT AO GALLON TENDED FOR ROPE AND ROPE AN	92 GC EJECT WI IS OF XYL R THE FI 24 BOF (FIGURES I: PUMP, IN I-5/8" W ORATIONS EFE HCI	ELL PI ELL PI ENE DOLLOWI OLLOWI 1,4). ISTALL UDRKSTI	RODUCTION AND GO READ THE BOP. PRING.	Production of a mixture of 570	EOPD LCNS CON TECT WITH CUT, 10 GAL	N.A. BY TOP 20% THREE FLL'S TF NEC	NEFE SIDES E DRAINAC ESSARY
Reasons 1 Reason	Choix Choix Choix Choix Creat: Oil Choix Creat: Oil Cre	24 WATE: SERFCRATION WORK IS WELL; BUCING 50 ING WIT RING WIT AG121'. IP 40 GA ING. 2-1/2" PA	N.A. TO INCE S WITH RECOMF CURPENTL TO S MARIONS PULL H 2-5/16 SPOT AC LLONS	REASE SUIT AO GALLON TENDED FOR ROPE AND ROPE AN	92 GO SJECT WI SJECT WI IS OF XYLL THE FI 24 BOF (FIGURES PUMP, IN 1-5/8" W ORATIONS EFE HCI RING . S	DR SC N.A. ELL PI ENE DI OLLOWI 1,4). ISTALL UDRKSTI A M SQ ET PA DI	RODUCTION AND GO READ SURROUTHE BOP. THE RING.	Production of 2 MINITURE AT 576 Troleum	EOPD LONS OF THE CUT, TO GAL	Pump. III N.A. BY T OF 20% THREE LUCING. OF PERF	NEFE SIDES E DRAINAC ESSARY
Reasons 1 Reasons 1 THE EX YL ACII OFFC Petroleum 1. MIR 2. GO 3. PUL 4. SW 5. TEA MAS 10-10 Dmp 10- Reviewed District Geole	Choix Choix Choix Choix Creating Paramed ICTING P D. THIS SUBJECT STE PRO TABLET IN Y.ST GISO'. L UP TO LENE AA IAB CAS IAB CA	24 WATE: SERFCRATION WORK IS WELL; BUCING 50 ING WIT RING WIT AG121'. IP 40 GA ING. 2-1/2" PA	N.A. TO INCE S WITH RECOMF CURPENTL TO S MARIONS PULL H 2-5/16 SPOT AC LLONS	REASE SUIT AO GALLON TENDED FOR ROPE AND ROPE AN	92 GC BJECT WI SJECT WI IS OF XYL THE FI 24 BOF (FIGURES PUMP, IN 1-5/8" W ORATIONS EFE HCI RING . S Division Engl	DIR SC N.A. ELL PI LENE , OLLOWI OLLOWI 1,4). ISTALL UDRKSTI A M SQ ET PA Dir nooring	RODUCTION AND GO READ SURROUTHE BOP. PRING.	Produce Produc	EOPD LONS O ON 7 ECT WI CUT, TO GAL E INT:	N.A. BY TOF 20% THREE FLL'S THREE LONS O PERF	NEFE SIDES E DRAINAC ESSARY
Reasons 1 Reasons 1 Reasons 1 Reasons 1 RE EX YL ACII I) THE OFFC Petroleum I. MIR 2. GO 3. PUL 4. SW MAS 10-10 Dmp 10- Reviewed District Geole Geole	Choix Choix Choix Choix Choix Creating Paramed Control	24 WATE: SERFCRATION WORK IS WELL; BUCING 50 ING WIT RING WIT AG121'. IP 40 GA ING. 2-1/2" PA	N.A. TO INCE S WITH RECOMF CURPENTL TO S MARIONS PULL H 2-5/16 SPOT AC LLONS	REASE SUIT AO GALLON TENDED FOR ROPE AND ROPE AN	Division Engin	DR SC N.A. ELL PI ELL PI CLICWI OLLOWI 1,4). ISTALL ORKSTI A M SQ Dir nooring ogical	RODUCTION AND GO READ SURROUTHE BOP. PRINTER P	Produce Produc	EOPD LONS O ON 7 ECT WI CUT, TO GAL E INT:	N.A. BY TOF 20% THREE FLL'S THREE LONS O PERF	NEFE SIDES E DRAINAC ESSARY
Reasons 1 Reasons 1 Reasons 1 Reasons 1 RE EX YL ACII OFFO Petroleum 1. MIR 2. GO 3. PUL 4. SW MAS 10-1 Dmo 10- Check Reviewed District Geold Asst	Choix Choix Choix Choix Choix Creating Paramed Control	24 WATE: SERFCRATION WORK IS WELL; BUCING 50 ING WIT RING WIT AG121'. IP 40 GA ING. 2-1/2" PA	N.A. TO INCE S WITH RECOMF CURPENTL TO S MARIONS PULL H 2-5/16 SPOT AC LLONS	REASE SUIT AO GALLON TENDED FOR ROPE AND ROPE AN	Division Engli	DR SC N.A. ELL PI ENE , OLLOWID 1,4). ISTALL UORKSTI A M SQ ET PA Dia noering ogical L Supt.	RODUCTION AND GO READ SURROUTHE BOP. PRING.	Produce Produc	EOPD LONS O ON 7 ECT WI CUT, TO GAL E INT:	N.A. BY TOF 20% THREE FLL'S THREE LONS O PERF	NEFE SIDES E DRAINAC ESSARY
Reasons 1 Reasons 1 Reasons 1 Reasons 1 RE EX YL ACII OFFO Petroleum 1. MIR 2. GO 3. PUL 4. SW MAS 10-11 Dmo 10-12 Reviewed District Geold Asst	Choix Choix Choix Choix Choix Creating Paramed Control	24 WATE: SERFCRATION WORK IS WELL; BUCING 50 ING WIT RING WIT AG121'. IP 40 GA ING. 2-1/2" PA	N.A. TO INCE S WITH RECOMF CURPENTL TO S MARIONS PULL H 2-5/16 SPOT AC LLONS	REASE SUIT AO GALLON TENDED FOR ROPE AND ROPE AND ROPE AND ROPE AND ROPE AND ROPE AND ROPE AND ROPE AND ROPE AND ROPE ROPE AND ROPE ROPE AND ROPE ROPE AND ROPE ROPE AND ROPE ROPE ROPE ROPE AND ROPE ROPE ROPE ROPE ROPE ROPE ROPE ROPE	Division Enging Gent	DR SC N.A. ELL PI ELL PI COLLOWID I, 4). ISTALL UORKSTI A M SQ Di n neering ogical L. Supt.	RODUCTION AND GO READ SURROUTHE BOP. PRING.	Produce Produc	EOPD LONS O ON 7 ECT WI CUT, TO GAL E INT:	N.A. BY TOF 20% THREE FLL'S THREE LONS O PERF	NEFE SIDES E DRAINAC ESSARY
Reasons 1 Reasons 1 Reasons 1 Reasons 1 Reasons 1 Reasons 1 Reviewed District Geole Asst Supt	Choice Ch	Sise Sise Sise Sise SERFORATION WORK IS WELL, IS DUCING 50 ING RECOMMENT AIG UNIT. RING WIT AID 40 GA ING. 2-1/2" PA	N.A. TO INCES WITH RECOMPLY TO SECOND ACTOR	REASE SUIT AO GALLON TENDED FOR ROPE AND ROPE AN	Division Engli	DR SC N.A. ELL PI ELL PI COLLOWID I, 4). ISTALL UORKSTI A M SQ Di n neering ogical L. Supt.	RODUCTION AND GO READ SURROUTHE BOP. PRING.	Produce Produc	EOPD LONS O ON 7 ECT WI CUT, TO GAL E INT:	N.A. BY TOF 20% THREE FLL'S THREE LONS O PERF	NEFE SIDES E DRAINAC ESSARY

PROD. INCR (TX%) 15 (15)

PAYOUT 4 MONTHS

P. W. L. JO AL / NOTE:

									Date		VARI	24, 19	, , ,
L	ese NE	W M	XICO "	O" STAT	E (NCT	TT_Mer	1 No	7	TX. \	Vork, In	100	.00%	
					YONIAN (NEW A	<u>1EXICC</u>)	
A	Gepun Co	mp. Dai	red from				OIL (C)*	from grou 222** 301	nd level. *** Water :	5*0**0*	Can l	12*,201**5	55 vct
GC	R1109	907 184	THre_	24	Dane	Flow.	Present	T. D. PBI	0 11875'	_Elevat	ion 4	209 KI	3_3
				DESC	RIPTION	OF PR	OSPECT	IVY OR F	PAY ZON	IES			
	Name	or Ty	pe of Z)D4	Тор	Bas				temarks			
	30 NC OLFCA				9097	9224		TED NON				· · · · · · · · · · · · · · · · · · ·	
			YLVANI	AN YS	9 962 10130	10029 10140		ESENTLY -O 4-6-		G INIE	KVAL	····	
		IAN **		-	11934	11947		-0 6-6-					
					CAI	HNG A	ND LINI	ir aecon	t D				
						Sach		ole					
16	Size 3 13-3/1	8 (5 L	rht 48 }	Grade 1-40	Set At	Ceme 1200		ize ^	Port.	CEME	NT CIR	narks Culate I	9
11-3	4895/8	36		1-40	4750	1700	12-1	14	VONE			° € 1500	
	-1/2	9.2		5, N-80	12082	.}	8-3		2-10004	- }			
_	7/8 7/8	<u>6.4</u>		5, N-80 5, N-80	10964	7 1325	5 8-3 8-3		FILLED TO 93 INER & 10070		TOP 1625	BY SUR	VEY
-		• 										·· ·······	
		Banda.	tion To			1 AND		AL WOR	K KBCOK			A	
	Date	OII	Water	GOR	Hrs	Туре	Amount		To	ou	eduction Water		Hrs
	18-63		AL COMP			RF, ACID		9962	10004	101	<u> </u>	1109	24(F)
	3-63		L <u>COMI</u>			RF, ACID		10130 11980	10140 11990	<u>222</u> 301	0	907 1845	24(F) 24(F)
_	20-64		FCP TEST		, ,		3200, 400		4/10130-40		2	N.A.	2(S) AL
_	5-64				Y STRING PE	RE, ACID	1000	10130	10140	314	22	1796	24(F)
	10-64 9-69	- 78 - 8	<u> 19</u> 3	727 1040		PERF, ACID		<u> 11934</u>	11942			820	24(F)
4 -	5-69	. ———			24(F) ACI		(000	<u>10130</u> 9 9 62	10140 10029	<u>31</u> 48	3	314 75TM	24 (P) 24 (P)
Re	marks:	-						9942 12"x14"^2	10029	5	4	TSTM	24(P)
9 <i>0</i> 2	IPING E	Ama WO	-3.1 DEV	44 UNIT, -O. Man	RODS: 113.	31, 285	74", PUMP	2" x114" x 2	Dr 24′ 5€T 4 101, 805 Bi	5950'. F	DID FEVEL	N/A (.0785"	AHOULAR DELI
							/ 77 #						
T					• ••••• •• •• •• •• •• •• •• •• •• •• •		Accun	1. Prod. PEX.	142,107 B	eas of	-1-00		
ıi	sent 7	Pest: Oi	2	Wal		•			6833 1		• /	Pump F	low.
T	EST	DATE :	1-25-	87	0	Gas	13	GOR	6833_1	Irs. 2	4 (Pump F	low.
T	EST	DATE:	oke Size	87	N. A.	Gas	13 Pressure	GOR S	é833 <u>1</u>	irs 2	gure	Pump P	
T	EST	DATE : Ch for Rem	-25-1 oke Sise edial We	87 ork: 70	N.A.	Gas	13 Presure	GOR S	2833 1	Hrs. 2	4 RAPD	Pump F	EMINT.
T Re Sq	EST Beone 1 UEEZII	DATE: Ch for Rem NG TH	1-25-1 oko Siso odial Wo E Curr	er: To	N.A. INCREA	ISE SUE	Pressure SJECT (GOR (DUCTION	by Press	BOPD BOPD	Pump F	EMLNT-
Res SQ TRE	est Beons 1 Urezii Ating The	Check Check	1-25-1 oke Sise dial We E Curr 5040 GI CING U	DEK: TO ENTLY - ALLONS DOLFCAM	N.A. INCREA PRODUCIN OF CROSS IP ZONE	GAE ASE SUE IG LULI BLINKED HAS	Pressure SJECT I FCAMP POLYMER REACHLE	GOR S N. A. PELL PRI ZONE, THIS I	DUCTION REOPENING	by Press	BOPD DEVONIAI SENDED	Pump P N. A. BY C N PAY, BECAU	EMENT- AND SE:
Res SQ TRE	EST MECH 1 UEEZ II ATING THE ATION	CATE: Cat Cor Rem NG TH WITH PRODUIT ATTLE	1-25-1 oke Size edial We E Curr 5040 GI CING U	DEN: TO ENTLY - ALLONS DCLFCAM	N.A. INCREA PRODUCIN OF CROSS IP ZONE UMERANTE	SE SUR IG WA BLINKED HAS D. BASI	Presure SJECT I FCAMP POLYMER REACHED ED ON 7	GOR S N. A. PELL PRO ZONE, THIS IN ITS ECO	DUCTIUI REOPENING NORK IS PNOMIC	by Press	BOPD DEVONIANIENDED F 2 E	Pump P N. A. BY C N PAY, BECAU	EMENT- AND SE: A REST
Res SQ TRE 1) UL AD	EST BEORS 1 UEEZII ATING THE ATION DISION	Ch Cor Rem NG TH WITH PROPUL ATTLE AL PUS	1-25-1 oke Size edial Wa e Curr 5040 GI CING U HPT IS ESIBLE	DER: TO ENTLY - ALLONS DOLFCAM NOT U	N.A. INCREA PRODUCIA OF CROSS IP ZONE UNKRANTE IP PAY (I	ISE SUC IG WAS SLINKED HAS D, BASI	JACOURE BJECT II FCAMP POLYMER REACHED ED ON T	GOR ON A. PELL PROFERENCE OF THE PEOPLE OF	DUCTION REOPENING NORK IS PNOMIC OF	by Press	BOPD DEVONIANIENDED F 2 E	Pump P N. A. BY C N PAY, BECAU	EMENT- AND SE: A REST
Rei SQ TRE 1) UL AD	ASONS 1 UEEZII ATING THE ATION DITION	Check Check	1-25-1 coke Size vedial War e curr so40 Gi cing u 477 is estible vering Ra	DEN: TO ENTLY - ALLONS POLECAM NOT U WOLECAM	N.A. INCREA PRODUCIN OF CROSS IP ZCNE UM KRANTE 1P PAY (I	SE SUE IG WAS SLINKED HAS D, BASI FIG. 3) A	Tracture SJECT IN FCAMP POLYMER REACHED ED ON T PPEARS TO IUTE: (AL	GOR ON A. PELL PROZONE, THIS IN THE FOOR THE FOOR THE TOTAL	DDUCTION REOPENING NORK IS PNUMIC OF RESULTS TO JUSTIF	Tog Press N 25 THE I RECOMM IMIT OF THE Y A RE	BOPD DEVONIAI SENDED F 2 E MARC COMPLE	Pump P N. A. BY C N PAY, BECAU COPD. H, 1984 TION AT	EMENT- AND SE: A REST
Rei SQ TRE 1) UL AD Pui	ASONS 1 UEEZII ATING THE ATION DITION WIRL	for Rem NG TH WITH PROPUL ATTLE AL PUS TENGINE UJ. PU	1-25-1 oke Size edial Wa e Curr 5040 Ga CING U HPT IC ECIBLE HETING RA LL ROP	DER: TO ENTLY - ALLONS DOLFCAM NOT W WOLFCAM BOOTHITHER	N.A. INCREA PRODUCIA OF CROSS IP ZCNE UN KRANTE IP PAY (I	ISE SUC IG WAS SLINKED HAS D, BASI FIG. 3) A MA Proces	JACOURE BJECT IN FCAMP POLYMER REACHED ED ON TO PPEARS TO lure: (AL OP. PU	GOR ON A. PLLL PROTONE, THIS IN THIS FOOD THE POOR THE P	DDUCTION REOPENING NORK IS PNOMIC OF RESULTS TO JUSTIF IRING) " ATLAS	by Press 1 25 2 THE I RECOMM IMIT O OF THE Y A RE BRADFOR	BOPD DEVONIANTENDED F 2 E MARCI COMPLE	Pump II N. A. BY CON PAY, BECAU COPD. H, 1984 TION AT BING.	EMENT- AND ISE: A REST TREATM
Residence Square (1) UL AD Pol	ATION HOLEUM	Che Che Che Che Che Che Che Che Che Che	1-25-1 coke Size vedial We e curr 5040 Gi cing w fit iv escible vering Re ll rop 3-1/2"	DEN: TO ENTLY - ALLONS DOLF CAM WOLF CAM BOOTHINGER CEMEN	N.A. PRODUCIN OF CROSS IP ZCNE UN KRANTE IP PAY (I	ISE SUCH SLINKED HAS LD, GASH Properties ALL BUTTER ON	JECT IN FORMAL PROLYMER REACHED ON TOPPEARS TO LITTE: (ALDOP, PUR 1/16"	GOR ON A. PLLL PRO ZONE, THIS IN THIS FOOD THE	DDUCTION REOPENING NORK IS PNOMIC OF RESULTS TO JUSTIF IRING) " ATLAS	by Press	BOPD DEVONIANDED F 2 E MARCI COMPLE D TUE	Pump F N. A. BY C N PAY, BECAU COPD. H, 1984 TION AT BING.	EMENT- AND SE: A REST TREATM TEMPT.
Res SQ TRE 1) UL AD Pol 1) 2)	ASONS 1 UEEZII ATING THE ATION DITION HOLOUM HOLOUM TIH SQUI	FOR THE CAN THE PRODUCE ATTELY AL PUS A ENGINE U. PU WITH	1-25-1 oke Size edial Wa e Curr 5040 Gi CING U HAT IS ESTREE HAT IS STILL ROF 3-1/2" WOLFCA	DER: TO ENTLY - ALLONS DOLFCAM NOT W WOLFCAM WOLFCAM CEMEN MP PER	N.A. INCREA PRODUCIN OF CROSS IP ZCNE IP PAY (I Idalians as IP, INS T RETAIN	ISE SUC IG LULL SLINKED HAS D, GASI FIG. 3) A DA Proces TALL BO IER ON S AT 9	JECT IN FRANCE OF POLYMER ALACHED ON TO PPEARS TO IUTE: (ALOP. PU. 2-1/16" 962 - 100	GOR ON A. PELL PRO ZONE, THIS IN HE FOOR TICHT LIN Z ST LIN Z ST WORKSTR	DDUCTION REOPENING NORK IS PNUMIC A FEEULTS TO JUSTIF IRING) " ATLAS ATLAS ATLAS ATLAS ATLAS	Tog Press N 25 THE I RECOMM IMIT O OF THE Y A RE BRADFOR ET RET CLASS	BOPD DEVONIAN SENDED F 2 SE MARCI COMPLE D TUE TAINER	Pump II N. A. BY CON PAY, BECAU COPD. H, 1984 TION AT BING. AT 98	EMENT- AND SE: A RECT TREATM TEMPT.
Res SQ TRE 1) UL AD Pol 1) 2)	ATION MIRU TIH SQUE TOST	Check Check	I-25-1 oke Size wedial War E CURR 5040 GI CING WATT IS ESTBLE WETING RA LL ROP 3-1/2" WOLFCA GILSONIT	DER: TO ENTLY - ALLONS DOLFCAM NOT W WOLFCAM BOOTHINGS CEMEN MP PER	N.A. INCREA PRODUCIN OF CROSS IP ZCNE UM KRANTE IP PAY (I INCREA INCREA IP ZCNE UM KRANTE IP PAY (I INCREA	ASE SUI IG WAL BLINKED HAS ID, GASI FIG. 3) A MI Process TALL BU TALL BU TALL BU TALL BU TALL BU TALL BU TALL BU TALL BU	JECT IN FCAMP POLYMER REACHED ED ON TO PPEARS TO JUTE: (AL OP. PU 1 2-1/16" 962 - 100 FLUSH	GOR ON A. PELL PRO ZONE, THIS IN HE FOOR TICHT LIN Z ST LIN Z ST WORKSTR	DDUCTION REOPENING NORK IS PNUMIC A FEEULTS TO JUSTIF IRING) " ATLAS ATLAS ATLAS ATLAS	Tog Press N 25 THE I RECOMM IMIT O OF THE Y A RE BRADFOR ET RET CLASS	BOPD DEVONIAN SENDED F 2 SE MARCI COMPLE D TUE TAINER	Pump II N. A. BY CON PAY, BECAU COPD. H, 1984 TION AT BING. AT 98	EMENT- AND SE: A RECT TREATM TEMPT.
Res SQ TRE () UL AD PUI	ATION MIRU TIH SQUI	ROT ROTE FOR THE PRODUCE ATTLE AT	I-25-1 oke Size edial Wa e curr 5040 Gi cing u 177 is estible mathra Rop 3-1/2" wolfca silsonit revers	DER: TO ENTLY - ALLONS DOLFCAM NOT W WOLFCAM BOOTHMEN OF PER MP PER E, K4 LI	N.A. INCREA PRODUCIN OF CROSS IP ZCNE UMRRANTE IP PAY (I INCREATION IF CRATION IF CRATION IS/SK FLIC CULATE,	ISE SUE IG WAL SLINKED HAS D, BASI FIG. 3) A ON PROPER TALL BI IER ON S AT 9 OCELE	JECT IN FLUSH H.	GOR ON A. PELL PRO ZONE, THIS IN HE FOOR O TICHT L IN Z ST LL 2-3/8 WORKSTR OZ9' WITH WITH 18	DDUCTION REOPENING NORK IS PROMIC S FEEULTS TO JUSTIF IRING) "ATLAS SING. S. I 100 SX 12 BBLS	The Present of The International Present of The International Present of The International Present of Tresh	BOPD DEVONIAN SENDED F 2 SE MARC COMPLE D TUE TAINER "H" CEN WATER	Pump II N. A. BY CON PAY, BECAU COPD. H, 1984 TION AT BING. AT 98 MENT CO	EMENT- AND SE: A RECT TREATM TEMPT. COLOMBINING
Resource (1) ULD AD (1) (2) (3)	ATION MIRU TIH SQUI	Che Che Che Che Che Che Che Che Che Che	I-25-1 coke Sine wedial We E CURR 5040 GI CING UMPT IC ESTBLE wering Ru LL ROP 3-1/2" WOLFCA SILSONIT REVERS 2-7/8"	DER: TO ENTLY - ALLONS DOLFCAM NOT WOLFCAM BOOTHTHE DOS, PUM CEMEN MP PER E, K4 LI BE CIRC BIT AN	N.A. INCREA PRODUCIN OF CROSS IP ZCNE UM KRANTE IP PAY (I INITIALIZED IN S T RETAIN IFORATION B/SK FLC ULATE, ID G DRI	ASE SUE IG WAS IG WAS ID, GASI FIG. 3) A MI Proper TALL BE IER ON S AT 9 OCELE: AND PO LL COLL	JECT IN FCAMP POLYMER REACHED ED ON TO PPEARS TO JUTE: (AL OP. PU 2-1/16" 962-100 FLUSH H. ARS ON	GOR ON A. N. A. PLLL PRI ZONE, THIS IN ITS ECC THE FOOR OTIGHT LIN Z ST LU 2-3/8 WORKSTR DEPT WITH WITH 18	DDUCTILI REOPENING NORK IS DNUMIC OF RESULTS TO JUSTIF IRING) "ATLAS LING. S. 1 100 SX 2 BBLS EKSTRING	by Press 1 25 THE I RECOMM IMIT OF THE Y A RE BRADFOR ET RET CLASS FRESH DRILL	BOPD DEVONIAN SENDED F 2 E MARC COMPLE D TUE TAINER "H" CEP WATER	Pump II N. A. BY CON PAY, BECAU COPD. H, 1984 TION AT BING. AT 98 TENT CO RETAIN	EMENT- AND SE: A RECT TREATM TEMPT. COLOMBINING
Res SQ TRE () UL AD PUI	ATION MIRU TIH SQUI	Che Che Che Che Che Che Che Che Che Che	I-25-1 coke Sine wedial We E CURR 5040 GI CING UMPT IC ESTBLE wering Ru LL ROP 3-1/2" WOLFCA SILSONIT REVERS 2-7/8"	DER: TO ENTLY - ALLONS DOLFCAM NOT WOLFCAM BOOTHTHE DOS, PUM CEMEN MP PER E, K4 LI BE CIRC BIT AN	N.A. INCREA PRODUCIN OF CROSS IP ZCNE UM KRANTE IP PAY (I INITIALIZED IN S T RETAIN IFORATION B/SK FLC ULATE, ID G DRI	ASE SUE IG WAS IG WAS ID, GASI FIG. 3) A MI Proper TALL BE IER ON S AT 9 OCELE: AND PO LL COLL	JECT IN FCAMP POLYMER REACHED ED ON TO PPEARS TO JUTE: (AL OP. PU 2-1/16" 962-100 FLUSH H. ARS ON	GOR ON A. PELL PRO ZONE, THIS IN HE FOOR O TICHT L IN Z ST LL 2-3/8 WORKSTR OZ9' WITH WITH 18	DDUCTILI REOPENING NORK IS DNUMIC OF RESULTS TO JUSTIF IRING) "ATLAS LING. S. 1 100 SX 2 BBLS EKSTRING	by Press 1 25 THE I RECOMM IMIT OF THE Y A RE BRADFOR ET RET CLASS FRESH DRILL	BOPD DEVONIAN SENDED F 2 E MARC COMPLE D TUE TAINER "H" CEP WATER	Pump II N. A. BY CON PAY, BECAU COPD. H, 1984 TION AT BING. AT 98 TENT CO RETAIN	EMENT- AND SE: A RECT TREATM TEMPT. COLOMBINING
Resource (1) UAD Put (1) (2) (3)	ATION MIRU TIH SQUI RETA TIH CEMI	Che Che Che Che Che Che Che Che Che Che	I-25-1 oke Size wedial War E CURR 5040 GI CING WATT IS ESTBLE WITH IS ESTBLE WOLFCA GILSONIT REVERS 2-7/8" 0 10,05	DER: TO ENTLY - ALLONS DOLFCAM NOT UN WOLFCAM SOUTHING CEMEN MP PER E, V4 LI SE CIRC BIT AN	N.A. INCREA PRODUCIN OF CROSS IP ZCNE UMKRANTE IP PAY (I INITIALIZED IN STATION B/SK FLO CULATE, ID G DRI DLL UP	SE SUI IG WAL SLINKED HAS D, GASI FIG. 3) A MI Process TALL BU IER ON S AT 9 OCELE: AND PO LL COLL TO 9900	JECT IN FLORING TO STATE TO ST	GOR ON A. PLLL PRI ZONE, THIS IN HE FOOR O TIGHT LIN Z ST LL 2-3/8 WORKSTR WORKSTR WITH 18 1.66" WO PRESSUKE	DDUCTION REOPENING NORK IS PNOMIC OF RESULTS TO JUSTIF IRING) " ATLAS ING. S ING SX BBLS EKSTRING TEST CA	Tog Press V 25 THE I RECOMM IMIT OF THE Y A RE BRADFOR ET RET CLASS FRESH DRILL ISING TO	BOPD DEVONIAN SENDED F 2 E MARC COMPLE D TUE TAINER "H" CEN WATER	Pump II N. A. BY CON PAY, BECAU COPD. H, 1984 TION AT BING. AT 98 IENT CO RETAIN PSI.	EMENT- AND SE: A REST TREATM TEMPT. CO'. ONTAINING OUT CO
Respective ADD 1) 2) 3) 4 5	ATION MIRL TIH SQUIR RETA CEMI	ROTE: Ch Cor Rem NG TH PRODUCT ATTLI AL PUS Engine U. PU WITH EEZE AINER, WITH ENT TO ER BIT	I-25-1 oke Size edial War E CURR 5040 GI CING WART IS ESTBLE LL ROP 3-1/2" WOLFCA SILSONIT REVERS 2-7/8" 0 10,05	DER: TO ENTLY- ALLONS DOLFCAM NOT UN MODIFICAM SCEMEN' MP PER SE CIRC BIT AN O'. PU	N.A. INCREA PRODUCIN OF CROSS IP ZONE IP PAY (I INCREA PRODUCIN OF CROSS IP ZONE IP ZONE IP PAY (I INCREA IP PAY (I INCREA IP PAY (I INCREA IP PAY (I INCREA IP PAY (I INCREA IP PAY (I INCREA	SE SUE IG WAL SLINKED HAS D, GASH AND POCELE AND PO LL COLL TO 9900 ORILL OL	JECT IN FLUSH H. ARS ON TOTAL 25' CO	GOR ON A. PLLL PROPRIETOR THIS IN ECCO IN E FCOR O TIGHT LIN 2 57 LIN 2 57 LIN 2 57 WORKSTR OZ9' WITH WITH 18 PRESSURE F CEMENT	DDUCTION REOPENING REOPENING RESULTS TO JUSTIF IRING) " ATLAS ING. S. I 100 SX ERSTRING TEST CA	TOP PROMITE OF THE PRADFOR ET RET CLASS FRESH ISING TO BP. PL	BOPD DEVONIAN SENDED F 2 E MARC COMPLE D TUE TAINER "H" CEN WATER	Pump II N. A. BY CON PAY, BECAU COPD. H, 1984 TION AT BING. AT 98 IENT CO RETAIN PSI.	EMENT- AND SE: A REST TREATM TEMPT. CO'. ONTAINING OUT CO
Respective ADD 1) 2) 3) 4 5	ATION MIRL TIH SQUIR RETA CEMI	ROTE: Ch Cor Rem NG TH PRODUCT ATTLI AL PUS Engine U. PU WITH EEZE AINER, WITH ENT TO ER BIT	I-25-1 oke Size edial War E CURR 5040 GI CING WART IS ESTBLE LL ROP 3-1/2" WOLFCA SILSONIT REVERS 2-7/8" 0 10,05	DER: TO ENTLY- ALLONS DOLFCAM NOT UN MODIFICAM SCEMEN' MP PER SE CIRC BIT AN O'. PU	N.A. INCREA PRODUCIN OF CROSS IP ZONE IP PAY (I INCREA PRODUCIN OF CROSS IP ZONE IP ZONE IP PAY (I INCREA IP PAY (I INCREA IP PAY (I INCREA IP PAY (I INCREA IP PAY (I INCREA IP PAY (I INCREA	SE SUE IG WAL SLINKED HAS D, GASH AND POCELE AND PO LL COLL TO 9900 ORILL OL	JECT IN FLUSH H. ARS ON TOTAL 25' CO	GOR ON A. PLLL PRI ZONE, THIS IN HE FOOR O TIGHT LIN Z ST LL 2-3/8 WORKSTR WORKSTR WITH 18 1.66" WO PRESSUKE	DDUCTION REOPENING REOPENING RESULTS TO JUSTIF IRING) " ATLAS ING. S. I 100 SX ERSTRING TEST CA	TOP PROMITE OF THE PRADFOR ET RET CLASS FRESH ISING TO BP. PL	BOPD DEVONIAN SENDED F 2 E MARC COMPLE D TUE TAINER "H" CEN WATER	Pump II N. A. BY CON PAY, BECAU COPD. H, 1984 TION AT BING. AT 98 IENT CO RETAIN PSI.	EMENT- AND SE: A REST TREATM TEMPT. CO'. ONTAINING OUT CO
Residence SQ TREE (1) UL AD Port (1) 2) 3) 4	ATION MIRL TIH SQUIR RETA CEMI	ROTE: Ch Cor Rem NG TH PRODUCT ATTLI AL PUS Engine U. PU WITH EEZE AINER, WITH ENT TO ER BIT	I-25-1 oke Size edial War E CURR 5040 GI CING WART IS ESTBLE LL ROP 3-1/2" WOLFCA SILSONIT REVERS 2-7/8" 0 10,05	DER: TO ENTLY- ALLONS DOLFCAM NOT UN MODIFICAM SCEMEN' MP PER SE CIRC BIT AN O'. PU	N.A. INCREA PRODUCIN OF CROSS IP ZONE IP PAY (I INCREA PRODUCIN OF CROSS IP ZONE IP ZONE IP PAY (I INCREA IP PAY (I INCREA IP PAY (I INCREA IP PAY (I INCREA IP PAY (I INCREA IP PAY (I INCREA	SE SUE IG WAL SLINKED HAS D, GASH AND POCELE AND PO LL COLL TO 9900 ORILL OL	JECT IN FLUSH H. ARS ON TOTAL 25' CO	GOR ON A. PLLL PROPRIETOR THIS IN ECCO IN E FCOR O TIGHT LIN 2 57 LIN 2 57 LIN 2 57 WORKSTR OZ9' WITH WITH 18 PRESSURE F CEMENT	DDUCTION REOPENING REOPENING RESULTS TO JUSTIF IRING) " ATLAS ING. S. I 100 SX ERSTRING TEST CA	TOP PROMITE OF THE PRADFOR ET RET CLASS FRESH ISING TO BP. PL	BOPD DEVONIAN SENDED F 2 E MARC COMPLE D TUE TAINER "H" CEN WATER	Pump II N. A. BY CON PAY, BECAU COPD. H, 1984 TION AT BING. AT 98 IENT CO RETAIN PSI.	EMENT- AND SE: A REST TREATM TEMPT. CO'. ONTAINING OUT CO
Residence Service ADD (1) (1) (1) (2) (3) (4) (5) (6)	ATION MIRL TIH SQUIR RETA CEMI	ROTE: CA ROT ROTE NG TH PRODUCE ATTLE AL PUS ENGINE J. PU WITH EEZE BISK WITH ENT TO ER BIT L OUT	I-25-1 oke Size edial War E CURR 5040 GI CING WART IS ESTBLE LL ROP 3-1/2" WOLFCA SILSONIT REVERS 2-7/8" 0 10,05	DER: TO ENTLY- ALLONS DOLFCAM NOT UN MODIFICAM SCEMEN' MP PER SE CIRC BIT AN O'. PU	N.A. INCREA PRODUCIN OF CROSS IP ZONE IP PAY (I INCREA PRODUCIN OF CROSS IP ZONE IP ZONE IP PAY (I INCREA IP PAY (I INCREA IP PAY (I INCREA IP PAY (I INCREA IP PAY (I INCREA IP PAY (I INCREA	SE SUE IG WAL SLINKED HAS D, GASH AND POCELE AND PO LL COLL TO 9900 ORILL OL	JECT IN FLUSH H. ARS ON TOTAL 25' CO	GOR N. A. PLLL PRI ZONE, THIS IN THE FCOR THE FCOR THE FCOR WORKSTR WORKSTR WORKSTR WITH 18 1.66" WO PRESSURE F CEMENT PRESD 12,0	DUCTION REOPENING NORK IS PRESULTS TO JUSTIF IRING) " ATLAS ING. S I 100 SX IZ BBLS EKSTRING TEST CA AND CI DSZ'). PO	Tog Press V 25 THE IS RECOMM IMIT OF THE Y A RE BRADFOR ET RET CLASS FRESH DRILL ISING TO BP. PL OH.	BOPD DEVONIAN SENDED F 2 E MARC COMPLE D TUE TAINER "H" CEN WATER L OUT D 500 USH CI	Pump II N. A. BY CON PAY, BECAU COPD. H, 1984 TION AT BING. AT 98 TENT CO RETAIN PSI. BP TO	EMENT- AND SE: A REST TREATM TEMPT. CO'. ONTAINING OUT CO
Residue April 2 3 3 4 5 4 Ree	ATION ATION MIRL TIH SQUIR TIH CEMIN DRILL AS 2-S VIEWED	Che Che Che Che Che Che Che Che Che Che	I-25-1 oke Size edial War E CURR 5040 GI CING WART IS ESTBLE LL ROP 3-1/2" WOLFCA SILSONIT REVERS 2-7/8" 0 10,05	DER: TO ENTLY- ALLONS DOLFCAM NOT UN MODIFICAM SCEMEN' MP PER SE CIRC BIT AN O'. PU 11875'	N.A. INCREA PRODUCIN OF CROSS IP ZONE IP PAY (I INCREA PRODUCIN OF CROSS IP ZONE IP ZONE IP PAY (I INCREA IP PAY (I INCREA IP PAY (I INCREA IP PAY (I INCREA IP PAY (I INCREA IP PAY (I INCREA	SE SUE IG WAL SLINKED HAS D, GASH AND POCELE AND PO LL COLL TO 9900 ORILL OL	Presure SJECT I FCAMP POLYMER REACHED ED ON T PPEARS TO IUTE: (AL OP. PU 1 2-1/16" 962 - 100 FLUSH H. ARS ON I AND I JT 25' C OTTOM (GOR N. A. PLLL PRI ZONE, THIS IN HE FOOR O TIGHT LIN Z ST LL 2-3/8 WORKSTR WORKSTR WITH 18 1.66" WO PRESSURE F CEMENT PBTD 12,0	DDUCTION REOPENING REOPENING RESULTS TO JUSTIF IRING) " ATLAS ING. S. I 100 SX ERSTRING TEST CA	Tog Press V 25 THE IS RECOMM IMIT OF THE Y A RE BRADFOR ET RET CLASS FRESH DRILL ISING TO BP. PL OH.	BOPD DEVONIAN SENDED F 2 E MARC COMPLE D TUE TAINER "H" CEN WATER L OUT D 500 USH CI	Pump II N. A. BY CON PAY, BECAU COPD. H, 1984 TION AT BING. AT 98 TENT CO RETAIN PSI. BP TO	EMENT- AND SE: A REST TREATM TEMPT. CO'. ONTAINING OUT CO
Respective April 2 3 3 4 5 4 Ree	ATION MIRU TIH SQUI RETA TIH CEMI DISTRICT IAS 2-S VIEWED DISTRICT TIM TO DRILL TO	ROTE: Ch Cor Rem NG TH PRODUCT ATTLI AL PUS ENGIN L. PU WITH EEZE AINER, WITH ER BIT L. OUT T-87 And AI T	I-25-1 oke Size edial Water 5040 Gi CING WATT IS SCIBLE LL ROP 3-1/2" WOLFCA SILSONIT REVERS 2-7/8" D 10,05 RBP	DER: TO ENTLY- ALLONS DOLFCAM NOT UN MODIFICAM SCEMEN' MP PER SE CIRC BIT AN O'. PU 11875'	N.A. INCREA PRODUCIN OF CROSS IP ZONE IP PAY (I INCREA PRODUCIN OF CROSS IP ZONE IP ZONE IP PAY (I INCREA IP PAY (I INCREA IP PAY (I INCREA IP PAY (I INCREA IP PAY (I INCREA IP PAY (I INCREA	SE SUE IG WAL SLINKED HAS D, GASH AND POCELE AND PO LL COLL TO 9900 ORILL OL	JECT IN FLAMP POLYMER REACHED ED ON TO PPEARS TO IUTE: (AL OP. PU 1 2-1/16" 962 - 100 FLUSH H. ARS ON TAND TO OTTOM (Di	GOR ON A. PLLL PRI ZONE, THIS IN ITS ECC THE FOOR OTIGHT LIN Z ST LL 2-3/8 WORKSTR WORKSTR WITH 18 1.66" WO PRESSUKE F CEMENT PRID 12,0	DUCTION REOPENING REOPENING NORK IS PRESULTS TO JUSTIF IRING) "ATLAS ING. S. I 100 SX ING BBLS EKSTRING TEST CA AND CI DISTRICT PE	by Press 1 25 1 THE I RECOMM IMIT OF THE Y A RE BRADFOR ET RET CLASS FRESH DRILL BP. PL OH.	BOPD DEVONIAN ENDED F 2 E MIRC COMPLE D TUE TAINER WATER L OUT D 500 USH CI	Pump II N. A. BY CON PAY, BECAU COPD. H, 1984 TION AT BING. AT 98 TENT CO RETAIN PSI. BP TO	EMENT- AND ISE: A REST TREATM TEMPT. CO'. ONTAINING IG OUT CO IER AND IER AND
Residue April 2 3 3 4 5 4 Ree	ATION MIRU TIH SQUI RETA TIH CEMI DISTRICT TO DRILL TAS 2-5 VIEWED DISTRICT GOOK Asst.	Che Che Che Che Che Che Che Che Che Che	I-25- coke Size redial Water E CURR 5040 GI CING UMPT IS ESTBLE RETIRE WOLFCA GILSONIT REVER: 2-7/8" D 10,05 RBP /	ENTLY - ALLONS DOLF CAM NOT UN BOOTHINGS SE CIRC BIT AN O'. PL 11875' AT 1196 By:	N.A. INCREA PRODUCIN OF CROSS IP ZONE IP PAY (I INCREA PRODUCIN OF CROSS IP ZONE IP ZONE IP PAY (I INCREA IP PAY (I INCREA IP PAY (I INCREA IP PAY (I INCREA IP PAY (I INCREA IP PAY (I INCREA	SE SUI IG WAL SLINKED HAS D, GASI FIG. 3) A MI Process TALL BU IER ON S AT 9 OCELE: AND PO LL COLL TO 9900 O'RILL OL H TO BU	JECT IN FLAMP POLYMER REACHED ED ON TOPPEARS TO TUTE: (AL OP. PU 2-1/16" 962-100 FLUSH H. ARS ON AND TO TOM (Di	GOR N. A. PLLL PRI ZONE, THIS IN TIS ECC THE FOOR TIGHT LIN Z ST LIN Z S	DUCTION REOPENING REOPENING NORK IS PRESULTS TO JUSTIF IRING) "ATLAS ING. S. I	The Present of The International Present of T	BOPD DEVONIANTENDED F 2 F MARC COMPLE TAINER "H" CEN WATER L OUT D 500 USH CI	Pump II N. A. BY CON PAY, BECAU COPD. H., 1984 TION AT BING. AT 98 IENT CO RETAIN PSI. BP TO	EMENT- AND SE: A RECT TREATM TEMPT. GO'. DITAINING GOUT C
TRESCRE(I) UND POINT (I) 2) 3) 4 S G ME	ATION MIRU TIH SQUIT RETA THE ATION TIH SQUIT RETA CEMIT DISTRICT VIEWED Asst. Supt	Che Che Che Che Che Che Che Che Che Che	I-25- coke Size redial Water E CURR 5040 GI CING UMPT IS ESTBLE RETIRE WOLFCA GILSONIT REVER: 2-7/8" D 10,05 RBP /	ENTLY - ALLONS DOLF CAM NOT UN BOOTHINGS SE CIRC BIT AN O'. PL 11875' AT 1196 By:	N.A. INCREA PRODUCIN OF CROSS IP ZCNE UMKRANTE IP PAY (I INITIALIZED IN S T RETAIN SFORATION BISK FLO CULATE, ID G DRI DILL UP TO! PUSI	SE SUI IG WAL SLINKED HAS D, GASI FIG. 3) A MI Process TALL BU IER ON S AT 9 OCELE: AND PO LL COLL TO 9900 O'RILL OL H TO BU	JECT IN FCAMP POLYMER REACHED ED ON TOPPEARS TO TUTE: (AL OP. PU 2-1/16" 962-100 FLUSH H. ARS ON TAND IN TOT 25' CO TTOM (GOR ON A. PLLL PRI ZONE, THIS IN ITS ECC THE FOOR OTIGHT LIN Z ST LL 2-3/8 WORKSTR WORKSTR WITH 18 1.66" WO PRESSUKE F CEMENT PRID 12,0	DUCTION REOPENING REOPENING NORK IS DNOMIC OF RESULTS TO JUSTIF IRING) "ATLAS LING. S. ING. S.	by Press 1 25 THE I RECOMM IMIT OF THE BRADFOR ET RET CLASS FRESH DRILL SING TO BP. PL OH.	BOPD DEVONIAN SENDED F 2 E MARC COMPLE TAINER "H" CEN WATER L OUT D 500 USH CI	Pump II N. A. BY CON PAY, BECAU COPD. H., 1984 TION AT BING. AT 98 IENT CO RETAIN PSI. BP TO	EMENT- AND SE: A RECT TREATM TEMPT. GO'. DITAINING GOUT C
TRESCRE(I) UND PORT (I) 2) 3) 4 Second Res	ATION MIRU TIH SQUI RETA TIH CEMI DISTRICT TO DRILL TAS 2-5 VIEWED DISTRICT GOOK Asst.	Che Che Che Che Che Che Che Che Che Che	I-25- coke Size redial Water E CURR 5040 GI CING UMPT IS ESTBLE RETIRE WOLFCA GILSONIT REVER: 2-7/8" D 10,05 RBP /	ENTLY - ALLONS DOLF CAM NOT UN BOOTHINGS SE CIRC BIT AN O'. PL 11875' AT 1196 By:	N.A. INCREA PRODUCIN OF CROSS IP ZCNE UMKRANTE IP PAY (I INITIALIZED IN S T RETAIN SFORATION BISK FLO CULATE, ID G DRI DILL UP TO! PUSI	SE SUI IG WAL SLINKED HAS D, GASI FIG. 3) A MI Process TALL BU IER ON S AT 9 OCELE: AND PO LL COLL TO 9900 O'RILL OL H TO BU	JECT IN FCAMP POLYMER REACHED ED ON TOPPEARS TO TUTE: (AL OP. PU 2-1/16" 962-100 FLUSH H. ARS ON TAND IN TOT 25' CO TTOM (PELL PROZONE, THIS IN THE FOOR IN THE FOOR IN THE FOOR IN THE FOOR WORKSTR IN 2 57 WORKSTR IN 18	DDUCTION REOPENING REOPENING RESULTS TO JUSTIF IRING) "ATLAS ING. S. I 100 SX RESTRING TEST CA AND CI DS2'). PO District Pe	by Press 1 25 THE I RECOMM IMIT OF THE BRADFOR ET RET CLASS FRESH DRILL SING TO BP. PL OH.	BOPD DEVONIAN SENDED F 2 E MARC COMPLE TAINER "H" CEN WATER L OUT D 500 USH CI	Pump II N. A. BY CON PAY, BECAU COPD. H., 1984 TION AT BING. AT 98 IENT CO RETAIN PSI. BP TO	EMENT- AND SE: A RECT TREATM TEMPT. GO'. DITAINING GOUT C
TRESCRE(I) UND POINT (I) 2) 3) 4 S G ME	ATION MIRITAL THE ATION MIRITAL THE ATION MIRITAL THE ATION MIRITAL THE ATION MIRITAL THE ATION MIRITAL THE ATION MIRITAL THE ATION MIRITAL THE ATION	Che Che Che Che Che Che Che Che Che Che	I-25- coke Size sedial We E CURR 5040 GH CING UMPT H ESTBLE sering R UMOLFCA 51450NIT REVERS 2-7/8" D 10,05 RBP CABH	ENTLY - ALLONS CLECAM NOT WOLFCAM CEMEN MP PER E, K4 LI SE CIRC BIT AN O'. PU 11875' AT 1196 By:	N.A. INCREA PRODUCIN OF CROSS IP ZCNE UMKRANTE IP PAY (I INITIALIZED IN S T RETAIN SFORATION BISK FLO CULATE, ID G DRI DILL UP TO! PUSI	ISE SUITINED HAS LD, GASH FIG. 3) A MI Proces TALL BI IER ON S AT 9 OCELE AND PO LL COLL TO 9900 ORILL OL H TO BI	JECT IN FCAMP POLYMER REACHED ED ON TOPPEARS TO TUTE: (AL OP. PU 2-1/16" 962-100 FLUSH H. ARS ON TAND IN TOT 25' CO TTOM (GOR N. A. PLLL PRI ZONE, THIS IN ITS ECC THE FOOR OTIGHT LIN Z ST LL 2-3/8 WORKSTR WORKSTR WITH 18 1.66" WO PRESSURE OF CEMENT PRESSURE FORMAN COLORIGAT Geological Geological Geological Geological Geological Geological Geological Geological Geological Geological Geological Geological	DDUCTION REOPENING REOPENING RESULTS TO JUSTIF IRING) "ATLAS ING. S. I 100 SX RESTRING TEST CA AND CI DS2'). PO District Pe	by Press 1 25 THE I RECOMM IMIT OF THE BRADFOR ET RET CLASS FRESH DRILL SING TO BP. PL OH.	BOPD DEVONIAN SENDED F 2 E MARC COMPLE TAINER "H" CEN WATER L OUT D 500 USH CI	Pump II N. A. BY CON PAY, BECAU COPD. H., 1984 TION AT BING. AT 98 IENT CO RETAIN PSI. BP TO	EMENT- AND SE: A RECT TREATM TEMPT. GO'. DITAINING GOUT C
TRESCRE(I) UND POINT (I) 2) 3) 4 S G ME	ATION MIRITAL THE ATION MIRITAL THE ATION MIRITAL THE ATION MIRITAL THE ATION MIRITAL THE ATION MIRITAL THE ATION MIRITAL THE ATION MIRITAL THE ATION	Che Che Che Che Che Che Che Che Che Che	CASH CASH	DER: TO ENTLY- ALLONS DOLFCAM NOT UN WOLFCAM SOUTHINGE S, PUA CEMEN MP PER E, V4 LI SE CIRC BIT AN O'. PU 11875' AT 1196 By:	N.A. INCREA PRODUCIN OF CROSS IP ZCNE UMKRANTE IP PAY (I INITIALIZED IN S T RETAIN IF CRATION IS /SK FLC ILLATE, ID G DRI ILL UP INITIALIZED IN S O'. PUSI	ASE SUITAGE WAS HAS LD, GASH PROCESTALL BE SUITALL BE S	JECT IN FCAMP POLYMER REACHED ED ON TOPPEARS TO TUTE: (AL OP. PU 2-1/16" 962-100 FLUSH H. ARS ON TAND IN TOT 25' CO TTOM (PELL PROZONE, THIS IN THE FOOR IN THE FOOR IN THE FOOR IN THE FOOR WORKSTR IN 2 57 WORKSTR IN 18	DDUCTION REOPENING REOPENING RESULTS TO JUSTIF IRING) "ATLAS ING. S. I 100 SX RESTRING TEST CA AND CI DS2'). PO District Pe	by Press 1 25 THE I RECOMM IMIT OF THE BRADFOR ET RET CLASS FRESH DRILL SING TO BP. PL OH.	BOPD DEVONIAN SENDED F 2 E MARC COMPLE TAINER "H" CEN WATER L OUT D 500 USH CI	Pump II N. A. BY CON PAY, BECAU COPD. H., 1984 TION AT BING. AT 98 IENT CO RETAIN PSI. BP TO	EMENT- AND SE: A RECT TREATM TEMPT. GO'. DITAINING GOUT C
TRESCRE(1) ULD POINT (1) 2) 3 4 S G ME	EST ASONS 1 UEEZII ATING THE ATION BOTION TOOLUR MIRI TIH SQUI RETA CEMI LOW DISTRIC Geok Asst. Supt. O'NO. 2	TOTALE FRODULT ATTLIA AL PUS ENGIN L. PUS AINER, WITH ER BIT L. OUT TOTALE Supt In/27	CASH CASH	ENTLY - ALLONS DOCLECAM NOT UN WOLFCAM OS, PUM CEMEN MP PER E, V4 LI SE CIRC BIT AN O'. PL 11875' AT 1196 By:	N.A. INCREA PRODUCIN OF CROSS IP ZCNE UMKRANTE IP PAY (I INITIAL INITIAL INITIAL INITIAL INITIAL TOTAL INITIAL 32500 32	ISE SUITINED HAS LD, GASH FIG. 3) A MI Process TALL BU	Presure SJECT IN FCAMP POLYMER REACHED ED ON TOPPEARS TO IUTE: (AL OP. PU 962 - 100 FLUSH H. ARS ON TAND IN TOT 25' CO OTTOM (DO DO DO DO DO DO DO DO DO D	PROD. INCR (DDUCTION REOPENING REOPENING RESULTS TO JUSTIF IRING) "ATLAS ING. S I 100 SX RESTRING TEST CA AND CI DSZ'). PO DISTRICT PE	The Present of the International Present of t	BOPD DEVONIAN SENDED F 2 E MARC COMPLE TAINER "H" CEN WATER L OUT D 500 USH CI	Pump II N. A. BY CON PAY, BECAU COPD. H., 1984 TION AT BING. AT 98 IENT CO RETAIN PSI. BP TO	EMENT- AND SE: A RECT TREATM TEMPT. GO'. DITAINING GOUT C
TRESQUEDING AND AND AND AND AND AND AND AND AND AND	ATION HOLLING THE ATION MIRU TIH SQUIL RETALL CEMIN DRILL CEMIN DR	Che Che Che Che Che Che Che Che Che Che	CASH CASH	ENTLY - ALLONS DOCLECAM NOT UN WOLFCAM OS, PUM CEMEN MP PER E, V4 LI SE CIRC BIT AN O'. PL 11875' AT 1196 By:	N.A. INCREA PRODUCIN OF CROSS IP ZCNE UMERANTE IP PAY (I INCREA IP ZCNE IP ZCNE IP ZCNE IP ZCNE IP PAY (I INCREA IP ZCNE IP Z	ISE SUITINED HAS LD, GASH FIG. 3) A MI Process TALL BU	Presure SJECT IN FCAMP POLYMER REACHED ED ON TOPPEARS TO IUTE: (AL OP. PU 962 - 100 FLUSH H. ARS ON TAND IN TOT 25' CO OTTOM (DO DO DO DO DO DO DO DO DO D	JOR ON A. PLLL PRIVATE TONE, THIS IN THE FOOR THE FOOR THE FOOR WORKSTR TO TIGHT LIN Z ST LL 2-3/8 WORKSTR TO TIGHT WITH 18 1.66" WO PRESSURE FOR CEMENT PRID 12,0 INVISION Engineeriz Geological Gen'l Sup Approve Date	DUCTION REOPENING NORK IS PRESULTS TO JUSTIF IRING) "ATLAS ING. S. I 100 SX IZ BGLS EKSTRING TEST CA AND CI DISTRICT PE TX%1 25 T IN YEARS	by Press 1 25 1 THE IS RECOMM IMIT OF THE BRADFOR ET RET CLASS FRESH DRILL SING TO BP. PL OH.	BOPD DEVONIAN SENDED F 2 E MARC COMPLE D TUE TAINER "H" CEN WATER L OUT D 500 USH CI	Pump II N. A. BY CON PAY, BECAU COPD. H, 1984 TION AT BING. AT 98 IENT CO RETAIN PSI. BP TO	EMENT- AND SE: A RECT TREATM TEMPT. GO'. DITAINING GOUT C

		(116) Funs Pats (H)
ESCONMENDOS Y	Palanal Work	ρ-3
Less NEW MEXICO O(NCT-1) Well No.	23 Da	
Pool VACUUM GLORIETA COUNTY LE	ASt	. Work Int 100%.
All depths measured from KB or 12	It. from ground le	rel.
TX. Comp. Date //-23-63 @ T. D. 6800 I. P. Oll GOR Y-754 Hrs. Y- /2 Falso. Flow. Press		70 Elevation 400 / DF
DESCRIPTION OF PROSP		
Name or Type of Zone Top Race	and store one page	Remarks
Y- VACUUM GLORIETA 5926 6149		
- VACUUM BLINEBRY 6722 6749	ABAN PONED W	CIBP @ 6500 → 9-72
Casing and		
Secks Sise Weight Grade Set At Coment	Hole Size Pea	. Romarica
113/4 42 #-40 1520 1000	15" NONE	CMT CIRCEP
85/8 32724 J-55 3300 600	1098 NON	E ONTTOPO 2300 CALC C33% FIL
$-\frac{27/8}{-27/8}$ 6.4 $J-5.5$ 6794 $7/600$	77/8 \ 5926-	6/49 CMTTOP@ 3300 BY
و بحداث المسالية المس	CALCADOR BAROLOGICA COM	
COMPLETION AND RELA Production Test Editors		
Date, Oil Water GOR Hrs Type Ame	Treatment ont Fren	Preduction Test After To Oil Water GOR Hrs
	500 5926-59	
1 1 - Comment of the comment of the		938 129 B 1765 24P
VENTED	FROM 6140 -6	150:1
Z-STRING NOW PUMPS		
	eresal squa	JTT
Remarks: NMOCD REQUIRED		
and a	40.	
Present Allow 105 Hax Allow, 107 A	coinc Prod. 43/	3/ es of /-/-80
Present Test: Oil 107 Water O Gas 2	con /9	Hrs. /7 Pump. Box.
Choke Siza		The Pressure
	No. of the second state of	103 11430010
Reasons for Remedial Work:	CC 50771 1ATH	R FLOW FROM THE 898-113/4"
BRADENHEAD AND THERESY COMPLY WITH	WITOCD RULES	ON ISOLATING THE SALADO FM
(SEE EXHIBITS). ECONOMICS ARE BASED	ON LOSING AL	L CURRENT PRODUCTION.
Petroleum Engineering Recommendations and Procedure:	en en en en en en en en en en en en en e	
I) RIG UP PULLING UNIT, PULL RO	DS AUD DIMP	FRAM Z STRING
INSTALL BOP, PULL TUBING.		Thor 23 TKING
THISTALL BOT, THE TUDING.		
2) SET A REP IN THE Z" STI		O WITH A WIRELINE
, AND LOAD WITH 2% KCL WAT		
3) GO IN THE "Y" STRING WIT	H A 2/15TH	WORKSTRING AND REP.
SET THE RBP@ 5000' AND D		
TEST THE Y STRING TO 1000	0111. 20 0 1L	ALLITE
PIO I DI LOS	rsl for 31	MINUTES.
4) RIG UP WIRELINE. GO IN W	ITH ORIENTED	
Wireline: MECullongh	01	P. (COINT~
CmT: Halliburton	T. V. X	et Petroleum Engineer
Reviewed and Approved By: District		a the Ascidence and Parchage
Geological	Division Readmanden	
Asst. Supt. 1-15-81	Geological	
Supt. 1-16-81	Gen'l Supt.	
J 1-12-81 CASH MOH TOTAL TOTAL TOTAL	Approved	
TLT 30000 0 30000 30000	Date	
3CT - 1-13-8/ TOTAL 30000 0 30000		From PICR (17)51 (07 (107)
3CJ-1-13-8/ TOTAL 30000 O 3000 30000		PAYOUT ZMONTHS

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT							
DUPAIBUTION SANT	NSERVA P.O. BO A FE, NEW	X 2088				Revis	C-103 ed 10-1
U.S.O.S. LAND OFFICE					State X State Oil 6 C		Fee _
OPERATOR		 			B-1	55	,,,,,
SUNDRY NOTICES AND R	EPORTS ON	WELLS	FFERENT PES	ERVOIR.			
1. OIL X CAB OTHER.					7. Unit Agreem	ent Name	
2. Name of Operator					8. Form or Lea.		7m 3
TEXACO Inc.				· · · · · · · · · · · · · · · · · · ·	N.M. 'O' 9. Well No.	M.Ja	3.I T
P. O. Box 728, Hobbs, New Mexic	0 88	3240	····		23		
4. Location of well O 660 FEET FROM TH	South	LINE AN	_ 1900) FEET FROM	Vacuum		
THE East LINE, SECTION 36	17-S	5 SANG	34-1	NMFM			
15. Elevation	Show whether 3990!	υς, κι, σι (GR)	R, etc.)		12. County Lea		
16. Check Appropriate Box To	o Indicate N	Vature of		-			
NOTICE OF INTENTION TO:			:	SUBSEQUEN	T REPORT OF	·:	
PERFORM REMEDIAL WORK PLUG AN	ID ABANDON	REMEDIAL	WORK E DRILLING O	PHS		PHERD PHIN	ત્ર
PULL OR ALTER CASING CHANGE	PLANS		Repa	ir Water	Flow		[
OTHER							
17. Describe Proposed or Completed Operations (Clearly state of work) SEE RULE 1103.	all pertinent det	ails, and gi	ve pertinent	dates, including	estimated date o	starting an	iy propos
l. Rigged up. Pull rods & pum tubing.	p from C	Gloriet	ta stri	ng. Ins	stall BOP.	Pull	L
2. Set RBP in Blinebry string 3. Set RBP in Glorieta string	@ 4000' @ 4000'	& test	csg.	Tested Tested	OK. Spot	20' or	1
both plugs. 4. Perforate 2 7/8" Glorieta s	tring &	8 5/81	1 osa 1	1/2-chots	. @ 15)LE!		
5. Cement 11 3/4" x 8 5/8" csg Class 'H' cement contain	; annulus	w/400	Sx.	lass 'H'	cement 8	: 100 8	Sx.
w/add'l 200 Sx. Class 'H Tested OK. Pull RBPs.							est.
6. Install pumping equipment.	Test &	place	on pro	duction.	Compl.	6-22-8	31
		. 					
18.1 hereby certify that the information above is true and compl	ete to the best	of my know!	edge and be	lief.			
BICHED XIN LIM	*1*LE	Asst.	Dist.	Mgr.	BAYE 6-	25-81	·
Orts. Signed By					. 11 -3		1

Jerry Serton

CONDITIONS OF APPROVAL, IF ANY:

	•				•	EST	h#3723
		erne dat dek selbe 18 de	~ h wa	rresman 11	(A#1)	(116)	G-3/.
		recom	MUKUDU I	remedial W	Date	10-14	- 80
Terso NEI	N MEXICO O STATE	NCT-1	Well No.	124	TX. W	V4 M. AH(00%
POOL VACU	WM ABO NORTH, GLOPHET,	A, WOLFCAMP CO	unty	LEA _ft. from grou		NEW MEXIC	()
All depths	messured from h	T. D. 10,30	OI. P. Oil	247	Water	○ Ges	24.7 MCF
GOR	100 Hrs. 9	-	Flow. Pres		10,210PB		7/14/ DF
	•			ECTIVE OR			
Name	or Type of Zone	Тор	Bese			marks	
X→ Z→	ABO NORTH	9,133	9263 5954	CLASSIFIE. PRESENT		S INTERVAL (OLD PENN ZONE
<u> </u>	WOLFCAMP	10042	70065	CLASSIFIE			AND STUCK KORE
	-	CASI	dha dh	liner reco	RD		
0!	v Watalik Carda	Cal As	Sacks Cement	Hole Size,	Perf.	Dam	erks
Size /3 /3 /3			1200	17/2	NONE NONE	CEMENT CIR	CULATED
X→ P1/3"	36 H-40 6.5 J-55	10229	17005x		71011 <u>-</u> 9133 - 9263	-	
Z->278"	6,5 J-55	10294	2400 {	385/81 59	12-5954	SCATTORO 28	BY TEMP SURV
y → 27/8"	6.5 1-55	10300	(•	042-19,062		
•			ARD KER	KEDIAL WOR Treatment	r recori		Test After
Date	Production Test Belo Oil Water GOR	/ Hrs 7		ount From		0il Water	GOR Hrs.
Z <u>>6-10-64</u> Z→7- 4-6				000 <u>1026</u> 00 5942		247 O	W/15 SX CMT 100 9F
Y-5-10-61	t NEW WELL (<u> </u>		200 1004		85 <u>1</u> 94 26	1/10 24 F
1-4405-21-68	NEW WELL (STNECOZ75 B%NE 60	00 9133			950 24(SW 520 24P
Z> 4-11-70 Z> 4-11-71	20 2 271 35 0 1410			200 5242	5254	101 4	1482 24 F
Z > 8-1-72	53 0 3000	24F REF	UF 15% 4	00 <u>5242</u> 500 <u>5242</u>		<u>54 4</u> 43 8	1050 24F 1750 34P
X-> Remarks							289 2464
Present A	$10 \text{W} Z \rightarrow // \text{Wa}$	x. Allow/	07 A	ccum. Prod. /	78,2 15	as of	1-80
Present T	lest: $0i1 / 6$ W	eter 5	Ges /	'08 co r	6750 H	74 T	uma <i>Klas</i>
•				i			
	Choke Size		Pres	sure	Tb	g Pressure	
Reasons f	or Remedial Work:		- الشاكرات - الشاكرات	i alianim Val Amerikan se	s == 121 . / m	A 11: 	. –
95/9"	10 LOKKE 13 ^{3/8} BRADEN HE	CI SVK	FACE	0761 0561	(FLOWE	ON TH	IE .
					-MNULUC	DIDK	A DI N
ПЕАО	SQUEEZING -	IHE SI	UBJECT	WELL.		~/co	~ (Tú
Petroleum	Engineering Recomme						·
1.)	RIG UP PULL	ING UNIT	PULL	RODS AM	ID PUMP	. INSTALL	BOP.
	PULL THE	2/16TH	TUBINO	FROM	THE 6	LORIETA ST	17/185.
	RUN 278"	KEPS	ON WI	reline y	- set	in the X	" + "Z"
i e	Casing stri		1000: 1	ressure t	est boti	1 strings to	1000 psc far
	30 minutes.		, in the contract of	77	,		
2)	NIPPLE UP	PUMP -	TRUCK	TO THE	9/8-13	5 8 ANNUL	ne.
	AND EST	ABLISH	INJEC	TION. F	RIG UP	WIRELINE	AND
•	RUN A BA	ISE GR	-TEMP.	LOG FI	ROM SU	RFACE T	D
N. Comment	· TOP OF	CMT. A	IT 280	o'KB.	, 1		CONT)-
<i>(</i>),	IT: Halliborton			X.	S.Las	e (_01417
WING LIN	and Approved By:				District Pet	roleum Enginee	r
District	τ	,		Division			
Geolo Asst.	Supt July	112 -	22-10	Engineeri Geological	_		
Supt	Of O. Hich	non 10.	24-80	Gen'il. Su			
10-15-90	EXP1920 4/00		000 4/000	Approv	ed <u>wasterije</u>	Manufacture (Lange) per aut à la como l'	The work of the first for the second
RCT	INV.		- w	Date	Přiob.	INCR (TXT) 16 (16)
		,					•

Jibmit 3 Copies to Appropriate
District Office

State of New Mexico Minerals and Natural Resources Department



DISTRICT 1

OIL CONSERVATION DIVISION

Form C	-100
Revised	1-1-89

P.O. Box 1980, Hobbs, NM 88240 P.O. Box 2088 DISTRICT II Santa Fe. New Mexico. 87504-2088	3002520946
P.O. Drawer DD, Artesia, NM 88210	5. Indicate Type of Lease STATE X FEE
DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410	6. State Oil & Gas Lease No. B-155
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	7. Lease Name or Unit Agreement Name
1. Type of Well: Off Well: Off Well Off Well OTHER	New Mexico "O" State (NCT-1)
2. Name of Operator Texaco Producing Inc.	8. Well No. 24
3. Address of Operator	9. Pool name or Wildcat
P.O. Box 730, Hobbs, NM 88240	Vacuum Glorieta, Wolfcamp, Abo No.
•	60 Feet From The East Line
Section 36 Township 17-S Range 34-E	NMPM Lea County
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3994 (DF)	
11. Check Appropriate Box to Indicate Nature of Notice, R	Report, or Other Data
•••	SSEQUENT REPORT OF:
PERFORM REMEDIAL WORK PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON CHANGE PLANS COMMENCE DRILLIN	G OPNS. PLUG AND ABANDONMENT
PULL OR ALTER CASING CASING TEST AND C	EMENT JOB
OTHER: OTHER: OTHER:	hree (3) well bores X
12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, incluwork) SEE RULE 1103.	uding estimated date of starting any proposed
01/24/90 - 01/26/90	
 MIRU PU. TOH laying dn rods & pmp. Installed BOP. RU Rotary. X string (Abo North) Ran 2.75 gauge rin Y string (Wolfcamp) String of 1" Kobe Z string (Glorieta) Ran 2.75 gauge rin Capped w/30' cmt. 	
3) TOH w/2-1/16" tbg. RD PU.	
Status - TR-O.	0607 001777
I hereby cartify that the information above is true and complete to the best of my knowledge and belief.	₩
SKINATURE FA ADA TITLE Area Mana	
TYPEOR PRINT NAME J. A. Head	TELEPHONE NO. (505) 393-719
(This space for State Use) ORIGINAL SIGNED BY JERRY SEXTON! DISTRICT I SUPERVISOR	FEB 2 7 1990

- TITLE -

טַנטו

CONDITIONS OF AFTROVAL, IF ANY:

APTROVED BY-

1	CASH	MOH	TOTAL	COAXET	L
EXP		İ			Ĺ
INV.		İ 1			Ĺ
TOTAL]				Ĺ

| PROD. INCR (TX%) 28 BOPD(28 BOPD) | PAYOUT 2 months | PWI 17.07 | DCFROI 1000+

to Appropriate District Office

Energy, Minerals and Natural Resources Department

Form C-103

State of New Mexico

OIL	CONSER	VATION	DIVISION

Revised 1-1-89

F.O. Box 1930, Hobbs, NM 88240	ATION DIVISION	WELL API NO.
	Box 2088	30-025-29919
P.O. Drawer DD, Artesia, NM 88210	Mexico 87504-2088	5. Indicate Type of Lease STATE X FEE
DISTRICT III 1000 Rio Brizos Rd., Aziec, NM 87410		6. State Oil & Gas Lease No.
		41487
SUNDRY NOTICES AND REPORTS (
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DIFFERENT RESERVOIR. USE "APPLICATION	FOR PERMIT*	7. Lease Name or Unit Agreement Name
(FORM C-101) FOR SUCH PROPOSA Y. Type of Well:	(X)	New Mexico "O" State NCT-1
VIEL A WELL OTHER	. •	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
2. Name of Operator	WELLFILE	8. Well No.
Texaco Producing Inc.	- MELL	26
3. Address of Operator	•	9. Pool same or Wildox
P.O. Box 730, Hobbs, NM 88240		Vacuum Glorieta
Unit Letter M: 990 Feet From The S	outh Line and 9	90 Feet From The West Line
Section 36 Township 17S	Range 34E w whether DF, RKB, RT, GR, etc.)	NMPM Lea County
(See See 1997)	www.ac.j	
11. Check Appropriate Box to In	dicate Nature of Notice D	enort or Other Data
NOTICE OF INTENTION TO:		SEQUENT REPORT OF:
NOTICE OF INTENTION TO.	500	SEQUENT REPORT OF:
PERFORM REMEDIAL WORK PLUG AND ABANDON	REMEDIAL WORK	X ALTERING CASING
TEMPORARILY ABANDON CHANGE PLANS	COMMENCE DRILLING	GOPNS. PLUG AND ABANDONMENT
PULL OR ALTER CASING	CASING TEST AND C	EMENT JOB
OTHER:	OTHER:	
 Describe Proposed or Completed Operations (Clearly state all pertinent work) SEE RULE 1103. 	- ·	ding estimated date of starting any proposed
02/04/91	- 02/11/91	
1) MIDII DII NII BOD TOH W/prod equi	in TTU + /hi+ s DC +	5900!
1) MIRU PU. NU BOP. TOH w/prod equ: 2) C/O to TD 6142'. TOH w/bit.	ip. TIH w/bit & DC t	co 5800'.
2) C/O to TD 6142'. TOH w/bit.		
 2) C/O to TD 6142'. TOH w/bit. 3) Perf 5.5" csg w/2 JSPF @ 5955-70'. 4) TIH w/pkr to 6142'. Spt 600 gals 	. 16 Int/32 Hles	
 2) C/O to TD 6142'. TOH w/bit. 3) Perf 5.5" csg w/2 JSPF @ 5955-70'. 4) TIH w/pkr to 6142'. Spt 600 gals PSA 5400'. 	. 16 Int/32 Hles ammonium bicarbonate	
 C/O to TD 6142'. TOH w/bit. Perf 5.5" csg w/2 JSPF @ 5955-70'. TIH w/pkr to 6142'. Spt 600 gals PSA 5400'. Ld csg. A/perfs 5907-6142' w/5000 2000# RS, 100 BS's. Max P-130#. 	. 16 Int/32 Hles ammonium bicarbonate	
 2) C/O to TD 6142'. TOH w/bit. 3) Perf 5.5" csg w/2 JSPF @ 5955-70'. 4) TIH w/pkr to 6142'. Spt 600 gals PSA 5400'. 5) Ld csg. A/perfs 5907-6142' w/5000 	. 16 Int/32 Hles ammonium bicarbonate	
 2) C/O to TD 6142'. TOH w/bit. 3) Perf 5.5" csg w/2 JSPF @ 5955-70'. 4) TIH w/pkr to 6142'. Spt 600 gals PSA 5400'. 5) Ld csg. A/perfs 5907-6142' w/5000 2000# RS, 100 BS's. Max P-130#. 6) TIH w/prod equip. Ret to prod. 	. 16 Int/32 Hles ammonium bicarbonate) gals 15% NEFE w/165 Min P-0#. AIR 3.7 H	
 C/O to TD 6142'. TOH w/bit. Perf 5.5" csg w/2 JSPF @ 5955-70'. TIH w/pkr to 6142'. Spt 600 gals PSA 5400'. Ld csg. A/perfs 5907-6142' w/5000 2000# RS, 100 BS's. Max P-130#. 	. 16 Int/32 Hles ammonium bicarbonate) gals 15% NEFE w/165 Min P-0#. AIR 3.7 H	
 2) C/O to TD 6142'. TOH w/bit. 3) Perf 5.5" csg w/2 JSPF @ 5955-70'. 4) TIH w/pkr to 6142'. Spt 600 gals PSA 5400'. 5) Ld csg. A/perfs 5907-6142' w/5000 2000# RS, 100 BS's. Max P-130#. 6) TIH w/prod equip. Ret to prod. 	. 16 Int/32 Hles ammonium bicarbonate) gals 15% NEFE w/165 Min P-0#. AIR 3.7 H	
 C/O to TD 6142'. TOH w/bit. Perf 5.5" csg w/2 JSPF @ 5955-70'. TIH w/pkr to 6142'. Spt 600 gals PSA 5400'. Ld csg. A/perfs 5907-6142' w/5000 2000# RS, 100 BS's. Max P-130#. TIH w/prod equip. Ret to prod. Prior - 63 BOPD, 2 BWPD. After - 	. 16 Int/32 Hles ammonium bicarbonate gals 15% NEFE w/165 Min P-0#. AIR 3.7 H	
2) C/O to TD 6142'. TOH w/bit. 3) Perf 5.5" csg w/2 JSPF @ 5955-70'. 4) TIH w/pkr to 6142'. Spt 600 gals PSA 5400'. 5) Ld csg. A/perfs 5907-6142' w/5000 2000# RS, 100 BS's. Max P-130#. 6) TIH w/prod equip. Ret to prod. Prior - 63 BOPD, 2 BWPD. After -	. 16 Int/32 Hles ammonium bicarbonate of gals 15% NEFE w/165 Min P-0#. AIR 3.7 H	e acr perfs 3907-6142'. g gals mutual solvention: BPM. ISIP-Vac. 70 TOH w/pkr.
 C/O to TD 6142'. TOH w/bit. Perf 5.5" csg w/2 JSPF @ 5955-70'. TIH w/pkr to 6142'. Spt 600 gals PSA 5400'. Ld csg. A/perfs 5907-6142' w/5000 2000# RS, 100 BS's. Max P-130#. TIH w/prod equip. Ret to prod. Prior - 63 BOPD, 2 BWPD. After - 	. 16 Int/32 Hles ammonium bicarbonate gals 15% NEFE w/165 Min P-0#. AIR 3.7 H	e acr perfs 3907-6142'. gals mutual solvento31 BPM. ISIP-Vac 12 TOH w/pkr
2) C/O to TD 6142'. TOH w/bit. 3) Perf 5.5" csg w/2 JSPF @ 5955-70'. 4) TIH w/pkr to 6142'. Spt 600 gals PSA 5400'. 5) Ld csg. A/perfs 5907-6142' w/5000 2000# RS, 100 BS's. Max P-130#. 6) TIH w/prod equip. Ret to prod. Prior - 63 BOPD, 2 BWPD. After -	. 16 Int/32 Hles ammonium bicarbonate of gals 15% NEFE w/165 Min P-0#. AIR 3.7 H	e acr perfs 3907-6142'. S gals mutual solvento31 BPM. ISIP-Vac. TOH w/pkr.
2) C/O to TD 6142'. TOH w/bit. 3) Perf 5.5" csg w/2 JSPF @ 5955-70'. 4) TIH w/pkr to 6142'. Spt 600 gals PSA 5400'. 5) Ld csg. A/perfs 5907-6142' w/5000 2000# RS, 100 BS's. Max P-130#. 6) TIH w/prod equip. Ret to prod. Prior - 63 BOPD, 2 BWPD. After -	. 16 Int/32 Hles ammonium bicarbonate of gals 15% NEFE w/165 Min P-0#. AIR 3.7 H	Technician DATE 03/28/91
2) C/O to TD 6142'. TOH w/bit. 3) Perf 5.5" csg w/2 JSPF @ 5955-70'. 4) TIH w/pkr to 6142'. Spt 600 gals PSA 5400'. 5) Ld csg. A/perfs 5907-6142' w/5000 2000# RS, 100 BS's. Max P-130#. 6) TIH w/prod equip. Ret to prod. Prior - 63 BOPD, 2 BWPD. After -	. 16 Int/32 Hles ammonium bicarbonate of gals 15% NEFE w/165 Min P-0#. AIR 3.7 H	gals mutual solventos. BPM. ISIP-Vac 17 TOH w/pkr. Technician DATE 03/28/91

STATE OF NE		ī			•						fora Revi:	C-105 sed 10-1-7	•
	1740		OIL				DIV	ISIO,N		54. Is	dicete 1	ype of Lea	D-O
DISTRIBUTIO	•				P. O. BO						terte 🔯		F [
PILE			5AI	NTAF	E, NEV	MEX	CO 8	7501		5. 540	ate Oil 6	Gas Leane	No.
V.S.O.S.			COMBLE						****	}	B-15	55	
LAND OFFICE		MFLL	COMPLE	TION C	IR RECO	OMPLE	HON F	REPORT	AND LOG	IIII	IIII	HHH	TIIII
OPERATOR										VIII			
IG. TYPE OF WELL										7. Un	JI Agree	ment Name	
•	DIL		SAS Well			974				1 .			
L TYPE OF COMPLE					·	UT:	-EN					ase Name	
WELL X	AR DEEP		PLUS		250 D	•	·ER			N. 1	ч. 'О	'State	Nct-
2. Name of Operator										9. We	Il No.		
Texaco	Producing	Inc.	•	•	•					2	7		
3. Address of Operator										10. F	jeld and	Pool, or Wi	ldcat
P.O. Box	728, 1	Hobbs	s, Nei	w Me	LXICO	8824	0			1 Va	CUUn	n Glor	ieta
4. Location of Well										m	TITI	iiiiii	$m\ddot{n}$
[
UNIT LETTER P	1054750	990	FF 5 7 71		South			990	FEET FROM				
DHIT CETTER	:00:41:0					iin	Tin	mm	777777	12. 6	ounty	444,00	HHH
THE East LINE OF	36	i'	7-5	. 74.	E			IIXIII		1 1	ea		//////
15. Date Spudded	16. Done T.D. F	leached	17. Date	Compl. //	Ready to I	Prod	I Flor	mtions (DE	RKR RT	•		Cooking	77777
11-6-87	11-23-			- 9 - 8		,			KB.	DA, Esc.	1	3988	jiseuu .
20. Total Depth	21. Plu				If Multip	la Campi			als Rota	T)	_1	Cable Too	
6290'		239		22.	Many	· Compr.	, now	Drille	d By	- \ \ \	90'	i Capie 100	
24. Producing Interval	4			None			· ·		<u>→</u> : ∪	- 62		Was Direct	
6118'- 62				, 1144	•							No	IONE SERVE
26. Type Electric and (27. Was	Well Cored	
Gamma Ray	- Resistivit	y - S	onic - [Densit	y - Ne	utron -	Cem	ent Bon	d Log	1		No	
28.					ORD (Rep					<u>.</u>			
CASING SIZE	WEIGHT LB.	/FT.	DEPTH	SET	HOL	E SIZE		CEME	NTING REC	ORD		AMOUNT	PULLED
16"	75*		40	5′	20	0."		600) sx				
11-3/4"	42*		154			-3/4"		1200					
8-5/8"	32*		4840	Ď,		-5/8"		1400					
5-1/2"	15.5*		629	<u>~</u>		-7/8*) sx				
29.		INFO P	ECORD		1	- // 0		30.		TURING	RECOR	n	
	TOP		TTOM	E D C Y E	FMENT			 					
SIZE	104		1.0	SACKS	EMENI	SCRE	EN	SIZE		PTH SI	-	PACK	ER SET
	-						-,	2-7/8	6	228′			
	<u> </u>					T							
31. Perforation Record		LAUMPEI	"			32.			RACTURE,				
2 JSPF at						<u> </u>	TH INT		+			MATERIAL	
	6179 - 81					6118	- 62	1./	2500	gals i	15%	NEFE a	icid
	6210-17												
Total 19 interv	als , 38 shot	S				<u></u>							
	,					1			<u></u>				
13.						UCTION							
Date First Production	Produ	_	ethod (Flow	ung, gas i	lift, pumpi	ing – Size	end ty	pe pump)				Prod. or Shu	t-in)
12-9-87		Pump				· · · · · · · · · · · · · · · · · · ·					oduci		
Date of Test	Hows Tested	•	oke Size	Prod'n. Test Pe		OII — ВЫ	•	Gα= - MC:		er – Bbl	. G	ias – Otl Rat	.10
12-21-87	24		nping	1	>	70		68		16	حلت	971	
Flow Tubing Press.	Casing Pressure		culated 24- u Rate	1		Gods	- MCF	We I	nter - Bbl.			ovity - API	(Corr.)
				1	7C	l	68		316			8.6	
34. Disposition of Gas (d, esc.)	- -					1	Witnes			
Sold - To	exacc In	с.							w	ayne	Mir	nchew	
35. List of Attachments							-						
Deviation											<u> </u>		
6. I hereby certify the	the information si	LOWN OR	both sides	of this k	rm is true	end com	plete 10	the best of	my knowled	ee and I	diel		

TITLE Area Superintendent

STATE OF NEW MEXICO

ENG! NO MINUTONES DE	 ****
DISTRIBUTION	
BANTA PE	
PILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

CONDITIONS OF APPROVAL, IF AMY!

OIL CONSERVATION DIVISION P. O. BOX 2008 SANTA FE, NEW MEXICO 87501

Form C-103 . Revised 10-1-78

PILE	
U.S.O.S.	Se. Indicate Type of Lease
LAND OFFICE	State Fee
OPERATOR	5. State Oil & Gas Lease No. B-155
CHARDY MOTICES AND DEPOSITE ON HIGH A	mmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmmm
SUNDRY NOTICES AND REPORTS ON WELLS DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUE BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)	
I. OIL WELL OTHER-	7. Unit Agreement Name
2. Name of Operator	8. Form or Lease Hame
Texaco Producing Inc.	N.M. "O" State NCT-1
P.O. Box 728, Hobbs, New Mexico 88240	27
4. Location of Well WHIT CETTER P 990 PEET PROLITICE South LIPS AND 990 FEET PRO	Vacuum Glorieta
•	
THE East LINE, SECTION 36 TOWNSHIP 17-5 MANCE 34-E HAPA	
15. Elevation (Show whether DF, RT, GR, etc.)	12. County
3988 GE	Lea
Check Appropriate Box To Indicate Nature of Notice, Report or Or NOTICE OF INTENTION TO: SUBSEQUEN	ther Data IT REPORT OF:
PERFORM REMEDIAL WORK	ALTERING CARING
TEMPORARILY ABANDON COMMENCE DRILLING OPHS.	PLUE AND ABANDONMENT
PULL OR ALTER CABINE CASINE TEST AND CEMENT ME	
•*************************************	·
17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including work) SEE RULE 1 103.	g estimated date of starting any proposed
1. MIRU. Pull rods, pump. Install BOP. Pull tubing.	
2. Set RBP e 6059'. Spot 200 gals 10% acetic acid at 5792'	- 5992'.
3. Perforate Glorieta 2 JSPF at 5936'-5954', 5960'-5992' (
4. Acidize with 7500 gallons 15% NEFE, 500 SCF Nitrogen, and	1 150 ball sealers.
AIR 7.5 BPM, Max TP 3000, ISIP 400.	
5. Run production equipment. On 24 hour OP) 2-2-88, pump	red 52 BO, 2 BW,
GOR 3865, gravity 37.7 from Glorieta perforations 5936'-59	92'.
5. Run production equipment. On 24 hour OP) 2-2-88, pump GOR 3865, gravity 37.7 from Glorieta perforations 5936'-59 Net petentialed at this date	•
is. I hereby cortify that the information above is true and complete to the best of my knewledge and belief.	
393-4031	- a, 00
onne USelnanolf A. Gernandt virus Area Superintendent	DATE 5-29-88
CHIGHNAL CHONDO BY JERRY SEXTON	

PWI 17.43

32,000 32,000

INV.

TOTAL

32,000!

DCFROI 1000+%

Form C-103 **Revised 1-1-89**

DISTRICT: 4 P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artonia, NM \$8210

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

5. Indicate Type of Lease		
30-025-30476	_	·
WELL API NO.		

DISTRICT.III	ELL FILE	STATE &X FEE
1000 Rio Brazos Rd., Aztec, NM 87410	MELL FILE	6. State Oil & Gas Lease No. B-155
SUNDRY NOTICES AND REPORTS ON	WELLO	
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DE		
DIFFERENT RESERVOIR. USE "APPLICATION FO (FORM C-101) FOR SUCH PROPOSALS:	R PERMIT"	7. Lesse Name or Unit Agreement Name
1. Type of Well:	<u>'</u>	
OEL WHEL OTHER		New Mexico "O" State NCT-1
2. Name of Operator Texaco Producing Inc.		8. Well No. 29
3. Address of Operator		9. Pool same or Wildox
P.O. Box 730, Hobbs, NM 88240		Vacuum Glorieta
4. Well Location		
Unit Letter N: 990 Feet From The Sout	Line and 23	10 Feet From The West Line
Section 36 Township 17-S	Range 34-E	NMPM Lea County
(Children and Children ther DF, RKB, RT, GR, etc.) 3984 'GR	<i>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>	
11. Check Appropriate Box to Indic		eport, or Other Data
NOTICE OF INTENTION TO:		SEQUENT REPORT OF:
PERFORM REMEDIAL WORK PLUG AND ABANDON	REMEDIAL WORK	X ALTERING CASING
TEMPORARILY ABANDON CHANGE PLANS	COMMENCE DRILLING	
PULL OR ALTER CASING		
	CASING TEST AND CE	MENT JOB []
OTHER:	OTHER:	
12. Describe Proposed or Completed Operations (Clearly state all pertinent des	eils, and give pertinent dates, inclu	ting estimated date of starting any proposed
work) SEE RULE 1103. 02/11/91	thru 02/17/91	
1) MIRU PU. TOH w/prod equip. TIH w/	hit & bailer C/O	to 6180' PRTD TOH
2) Perf csg w/2 JSPI @ 5791-98,5813-27		
3) TIH w/RBP & pkr. Set BP @ 6164'.		(30 2) 1
4) A/perfs 6103-32' w/160 gals 15% NER	E w/1 drum TW425 &	60 1.3 BS's. Max P-0#.
Min P-O#. AIR 2.2 BPM. ISIP-Vac.		202122
5) Set BP @ 6030'. Pkr @ 5709'. A/pe	erfs w/10,000 gals	15% NEFE, 200 17.3 BS & 3
400# KS. Max P-1330#. Min P-0#.	AIR 3.2 BPM. 1S1P	-Vac.
TIH w/prod equip. Returned to prod		-Vac. APR 1001
Prior - 58 BOPD, 11 BWPD. After -	2/3 2020 0 2020	4 Rould 1991 B
TITOT - 30 BOLD, II BWID. ALLEI -	245 BULD, O DWLD.	Received 28
		-Vac. APR 1991 Received Hobbs Area
I hereby carrify that the information above is true and complete to the best of my knowled	les and heliaf.	\%\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
SIGNATURE RICHARD Destato	_ ms Engineering	Technician 04/15/91
authions —		
R. B. DeSoto	- 1112	393-7101
TYPEORIFENT NAME R. B. DeSoto		ТЕГЕРНОМЕ NO. 393-7191
(Tale space for State Use) (Owing Signed b)		твижнномя мо. 393-7191
		APD 1 0 100 d

			RECO	MMINDED	REMEDI	AL WOE	K				,
Tages 1	NEW ME	EXICO M	STATE	Well N	la 5		Date	APRIL Vork Int	19,	1988	
Pool YA	cuum g	LORIETA / W	OLFCAMP	County	LEA	{	State		MEXIC		
	s measured mp, Date		T. D. 123			m ground	level. Water_	160/20		0.9 / 180	_MC
				e. Flow. Pr			PBTD	Elevati			
		DEC		OF PRO			Y ZON				
Nata	e or Type		Top	Base			1	emerks			
_GLORI	ETA		6126	6169		- HELD			RECO	YERY 5	- 22-0
GLORIE WOLFO			9337	9960	SHUT		ERFOR/ PUMP	STUCK <	-4-88		
~~~~			<del></del>		-						
		•	CA	SING AND	LINER	record		\			
Sine	Weight	Grade	Set At	Sacks Coment	Hole Size	P	wrf.		Rem	erks	
16 / 13-3/1	65/34.5	140/JS5	1504	1150 SX	20/17-1	<u> </u>	NE		STRING	CMT C	
9-5/8"	<u> 36</u> 6,4		4788 10191	<u>  1700 SX</u>	12-3/4	NO	NE - 9960	70P OF	CEMENT	AT SUR	FACE
2-7/8	6.4	J55	10215	2250 SX	8-3/4		-6046	CEMEN	IT CIRC	ULATED	
2-7/8	6.4	<u> 155</u>	9473	ــــــ لــــــــــــــــــــــــــــــ	<del>,</del>	NONE	OPEN	(			
•		C	MPLETIO	N AND $_{ m r}$	IMEDIAL	WORK	RECO	D			
Date	Productie Off V	n Test Befe Vater GOB		Туре А	Treatm mount	From	To	Pre Oil	duction Water	Tout A	Ster Er
11-17-63	INITIAL	WOLFCAMP C	OMPLETION	AGID	1500	9938	9960	284	20	656	24(
11-17-63		MPLETION ATT		ACID	<u>13000</u> 4500	90 <u>68</u> 6076	9310	<u> </u>	50 SX CM	7. ASD 11-1 273	7 <u>-63</u> 34(s
11-20-65	-	O N.A.			D 2 STRINGS		بسينج فالماليك				
)- <u>3-21-68</u>		67 N.A.		5020 6076-94,					150	SHOW	9(s)
9-30-80		2 325 10 605		15% ACID BRDNHD SQZ	650 SX	9938 SURF	9960 2100	147	22	<u>610</u> 2125	24(I
6-11-87	. —— -	3 266		PERF, 15%, NEFE	_	9337	9960	16	17	1800	24(
Remarks	* .										
Present	Allow	7/0 M	x Allow_	355/107	Accum. P	rod. 13913	0/76187	as of	12-1-	87	
							,,		A 6		_
WOLFCAM	<b>Pest: OIL</b> P TEST DAT	E 2-8-88	leter_10	Gas	<del></del>	GOR14	<u></u>	ira2	4 6	- Camp	
	Chok	o Stor	N-A.	P		N.A.	1	by Press	HTC.	V. A.	
BY SQL PERFORA 15% NE	EZING TING NE FE HCL.	EXISTING W GLORIE THE PR	PERFORA TA PAY LOPOSED	TORE SUB ITIONS AT AT G12G'- PERFORATIO SONIC LO	G044'-4 G1G9', NS WILL	46' WITH AND ACI L OPEN	1 50 1DIZINO 13	SACKS W <u>i</u> th Net Fei	OF CL 4000 ET OF	ASS 'H' GALLON BEHIN	CEM US C D-Pi
			,	and Procedur							
I. RIG OF	UP HALL	IBURTON I	ON NO.	2 STRING. R. PUMP WATER:	LOAD 50 JAC	KS OF	CLASS	"H" N			
1-5/8	" WORKST	RING . D	RILL OUT	2 STRING CEMENT GIOO'.	TO TOP	OF CIB	P AT	6100'.	TEST		
				SET CIBP					₹.	P RAII	_
IO G	BALS 15°	% DOUBLE	INHIBIT NTATION	GUN AND	IC ACII	AT (	128'-	169'.	TIH U	orth 1-	9/16
4-19-88								•			
4-19-84	. ه فرسم ۱		•			Die	trict Po	troloum	Enginee	<b>T</b>	<b></b>
Reviewed Distric	l and Appr t	oved By:			Divis	ion			-		
Geol	ogical	<del></del>				gineering	-				
	Supt	**************************************	******		_	ological		<del>,</del>		<del></del>	
Supt	• •	<del></del>			. Ge	a1. Sapt.		<b>&gt;</b>			<del></del>
	•					Approved		-			
						Date		je.			

PROD. INCR (TX%) 15.4.15

9 MONTHS

39000

39000

EMP (IDC)

INV. TOTAL 
 ○
 39000
 39000

 ○
 ○
 ○

 ○
 39000
 39000

0

48000

INV.

TOTAL

٥

0 48000 48000

PROD. INCR (TX%) 35 (35) PAYOUT 8 MONTHS P. w. i. 5.04 / DCFROI 282.1

1/0-		U, M. "/	<del></del>		Well .	No 8		TX. W	ork. Int	100 %
	measured			C	county	eqft. from	<del></del>	State_1	ew mex	ik o
Cos	np. Data_2	-25-65	4 T	n. 629	SOIP	ML 358		Water (		4007 KB
630	<u> </u>				•	resent T. 1 DSPECTIVE				4007 KB
	or Type			Тер	Base	•	UK PA		merks	
	Horiela			762	6092		al Com		Interva	
mw mw	Grayburg	San Andre			4680				Interv	
			-					· 		<del></del>
				CAI	UNU AN Sacks	ID LINER I	RECORD			
	Weight	Grade	. 5	et At	Comen	t Sine	1	Perf.		Remerks
7	28.5	ين		185	1200	75	_			(observed)
ner:	26,4 9.5	I-55	<u> </u>	400. 42-624.	800 800	9 7/8 63/4	5967	2-60924	CMI CIR.	to top of lines
Ţ,	62, 5969,	6076,607	9,608	7,609	2 (1 Jse		-			
		•		THO:	4 AND I	REMEDIAL		RICORI		
	Production Oil W			lirs	Туре	Treatme Amount	mt From	To		ection Test AM Water GOB
65	Toitie	T Comple	Tion -		1570 MEA	500 S	2962	6092	358	0 650
72	<u>56 2</u>	12 2 2 T	0 2	<u>42 _</u>		4000	7962 Surf	6092	72	43 1476
-10					5% NEFF		5962	9095	41	30 6XY 3
			-		-	-	<del></del>		-	
	,		<del></del>							,
ts:				<del></del>		Acoum. P	<del></del>	····		
m f	or Remedi	a) Week:	It:	Hmer.	san 320-	213-120, 2	3/8" tub	be slo	design ro	constinu on
ecc	en Remodie	Week:	It:	s seco Andl	ounmende es Th	ed to abo	sease	he glos product	rieta fo ionu 100	cometion and
ecc Pay	omplete , aut the	into the	It: San ment	s reco Andi Cost	commende ces. The	ed to aka is will income oth with a	sease	he glos product	rieta fo ionu 100	rmation an
ecc.	omplete out the Deglacori	into the	It: San ment	Andle Cost	es The	ed to about income with with a	sease , fwI c	the glow product of 59.55	riely for 100	cometion and
ecc.	omplete out the Deglacori	into the	It: San ment	Andle Cost	es The	ed to about income with with a	sease , fwI c	the glow product of 59.55	riely for 100	cometion and
eco Pay DR	omplete , aut the Delivert upu, pul	into the investing Recommends	San ment of mondal	Andle Cost	in I man	ed to about the oth with a	sease , fwI c	he glos product of 59.55 tubing.	riety for 100 and ac	cometion and BOPP, and FROI of 1000
ecc Pay	emplete  aut the  Balaicel  upu, pul	into the investing Recommendation	It: San went a model and pa truck	Andle Cost	in I ma	ed to about incoming with with a more and and and and and and and and and and	sease part of full of 41	he glo. product of 59.55 tubing.	tiend for 100 and sk	smation and BOPP, and FROI of 1000
ecc Pay	emplete  aut the  Balaicel  upu, pul	into the investing Recommendation	It: San went a model and pa truck	Andle Cost	in I ma	ed to about incoming with with a more and and and and and and and and and and	sease part of full of 41	he glo. product of 59.55 tubing.	tiend for 100 and sk	cometion and BOPP, and FROI of 1000
Pay	Englished  Run in h	into the invest.  Recommended in the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the controls of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of t	San ment of mental and po	Andle Cost	in I main a ga	ed to about the with a with a with a with a with a with a wing. Sop and auge cing set at	rease part of for 4"  5900.	he glo. product of 59.55 tubing.	tiend for 100 and sk	smation and BOPP, and FROI of 1000
Pay	mplete  sut the  supur, pul  Rigup w  Runinh.	into the investing Recommendate with a of of	San ment of made and por truck of	Andle cost	in stall	ed to about the authority and and auge cing set at of CIR	sease pall of full for 415 5900'.	he glo.  product  of 59.55  tubing.  Lung	teda for 100 and ac	smation and BOPP, and FROI of 1000  to 5950  bailer and
Pay	mplete  sut the  supur, pul  Rigup w  Runinh.	into the investing Recommendate with a of of	San ment of made and por truck of	Andle cost	in stall	ed to about the authority and and auge cing set at of CIR	sease pall of full for 415 5900'.	he glo.  product  of 59.55  tubing.  Lung	teda for 100 and ac	smation and BOPP, and FROI of 1000  to 5950  bailer and
Pay	mplete  sut the  supur, pul  Rigup w  Runinh.	into the investing Recommendate with a of of	San ment of made and por truck of	Andle cost	in stall	ed to about the authority and and auge cing set at of CIR	sease pall of full for 415 5900'.	he glo.  product  of 59.55  tubing.  Lung	teda for 100 and ac	smation and BOPP, and FROI of 1000
Pay	mplete  sut the  supur, pul  Rigup w  Runinh.	into the investing Recommendate with a of of	San ment of made and por truck of	Andle cost	in stall	ed to about the authority and and auge cing set at of CIR	sease pall of full for 415 5900'.	he glo.  product  of 59.55  tubing.  Lung	teda for 100 and ac	smation and BOPP, and FROI of 1000  to 5950  bailer and
(ecc. pa)	mplete  aut the  aut the  Delineari  upu, pul  Run in ha  dump 3  Run a c	into the investor Recommendation of asing g	San ment of made and por truck of	Andle cost	in stall	ed to about the authority and and auge cing set at of CIR	rease part of full of 41's SPOO's	he glo.  product of 59.55  tubing.  Lun a	teda for 100 and ac	sore, and Bore, and FROI of 1000  to 5950  bailer and
Pay  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  () R  (	Run a c	into the investor Recommendation of asing g	San ment of made and por truck of	Andle cost	in stall	ed to about the authority and and auge cing set at of CIR	rease part of full of 41's SPOO's Many	he glo.  product of 59.55  tubing.  Lun a	tela for 100 and accept dump	sore, and Bore, and FROI of 1000  to 5950  bailer and
Pay	Run a c	into the investor Recommendation of asing g	San ment of made and por truck of	Andle cost	in stall	of to about the authority and with a sor and auge cing set at the formation of CIA.  Division the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation of the formation	Fease  FWI  FOR 41'  SOO'.  Jowing  Di	he glos  product of 59.55  tubing.  Lung interva	tela for 100 and accept dump	sore, and Bore, and FROI of 1000  to 5950  bailer and
Pay  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Controls  All Medical Contr	Run a c	into the investor Recommendation of asing g	San ment of made and por truck of	Andle cost	in stall	of to about the ath with a contract and congruence of CIA the for George Congruence of CIA the for CIA the for CIA the for CIA Congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congr	rease part of full of 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separate for 41 separ	he glos  product of 59.55  tubing.  Lung interva	tela for 100 and accept dump	sore, and Bore, and FROI of 1000  to 5950  bailer and
Pay 3) Wed trict colo sat.	Run a c	into the investor Recommendation of asing g	San ment of made and por truck of	Andle cost	in stall	of to about the arth with a construction and congruence congruence congruence congruence the formal congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence congruence	fease  FWI  For 41  S900'.  Jowing  Di  Indiana  Di  Indiana  Di  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana  Indiana	he glos  product of 59.55  tubing.  Lung interva	tela for 100 and accept dump	sore, and Bore, and FROI of 1000  to 5950  bailer and
Pay 3) Wed trict colo sat.	Run a c	into the investor Recommendation of asing g	San ment of made and por truck of	Andle cost	in stall	of the form	fease  FWI  For 41's  S900'.  Whowing  Di  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating  Indicating	he glos  product of 59.55  tubing.  Lung interva	tela for 100 and accept dump	sore, and Bore, and FROI of 1000  to 5950  bailer and
red frict colours.	mplete  and the  Burneri  UPU, pul  Run in ha  dump 3  Run a c	into the investor Recommends of of asing grand By:	San ment of made and por truck of come	Andle cost tons as the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of	install an a ga and s on top	of the form	Feese  FWI  FOR 41'  STOO'.  Jouing  Di  Jouing  Di  Jouing  Di  Jouing  Di  Jouing  Di  Jouing  Di  Jouing  Di  Jouing  Di  Jouing  Di  Jouing	he glos  product of 59.55  tubing.  Lung interva	tela for 100 and accept dump	sore, and Bore, and FROI of 1000  to 5950  bailer and
(ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc. (ecc.	Run a c	into the investing Recommends of of asing g	San ment of made and por truck of come	Andle cost tons as the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of the cost of	in I man	of the form	Feese  FWI  FOR 41'  STOO'.  Jouing  Di  Jouing  Di  Jouing  Di  Jouing  Di  Jouing  Di  Jouing  Di  Jouing  Di  Jouing  Di  Jouing  Di  Jouing	he glos  Anoduct  of 59.55  tubing  intervent	tely for 100 and sc # casin dump	sore, and Bore, and FROI of 1000  to 5950  bailer and

SON 3/5/87 Fur 3/6/87 Dml 3/5/87

	DECOMMENDED	REMEDIAL WORK	Poss P0-00 (H)
		Date	MARCH" 1, 11988 - 4
NEW MEXICO "L"		TX. 1	Work, Int 100.00%
	B County LE	ft. from ground level.	NEW MEXICO
C. Comp. Date 11-15-63	T. D. 12255 I. P. O.	1 134 / 268 Water	70/40 Gas 63/67 MCF
OR 472 / 252 Hrs 24 Su	AB/24 Prop Flow Pro	ent T. D. PBTD 11145	Elevation 4005 KB
DE	<b>ECRIPTION</b> OF PROSI	PECTIVE OR PAY ZOI	ves
Name or Type of Zone	Top Base	<b>.</b>	Remarks
GLORIETA GLORIETA	<u>5961</u> 6152 6041 6103	PROPOSED ADDITION	
WOLFCAMP	9939 9946	PRESENT PRODUCI	
		LINER RECORD	· '
Size Weight Grade	Set At Cement	Hole Size Perf.	Remarks
3-3/8 54.5 H40 9-5/8 36,40 H40,35	<u> 1510 1200</u> 5 4800 1700	17-1/2 NONE	TOC @ APPROX 2730'
2-7/8 6.5 J <i>55</i>	11300	(6041-6103	
2-7/8 6.5 155	10567 1600	8-3/4 9939-9946	TOC & SURFACE (SQZD 12-17-80
2-7/8 6.5 J55		PEA	-)
<b>Q</b>	DMPLETION AND RE	MEDIAL WORK RECO	RD .
Production Test Ber Date Oil Water GOI		Treatment	Production Test After Oil Water GOR Bre
-15-63 INITIAL WOLFCAMP		oont From To	01 Water GOR Rrs 134 70 472 24(\$)
-17-63 INITIAL GLORIETA CI		500 6103 6105	268 40 252 24(F)
-6-68 3 11 329 -19-71 20 4 1255		000 9939 9964 000 6041 6105	143 0 540 24 (P) 56 46 527 24 (P)
-17-80 96 32 (TOTAL)	24 (P) PERF, SQZ 1770		97 12 (TOTAL) 24(P)
CLOSISTA DEDCOM	TION STATE STATE	48, 1 JSPF @ 6103-05	
marks: GLORIETA LIFT EQU	IPMENT: C228D-246-86 (	JNIT. 30 HP MOTOR. 21/4" TURIN	IG, GC ROD STEING, 12×14×16 RWBC
	A. Fre	JECT WELL PRODUCT	
% NEFE HCL. THIS	WORK IS RECOMMEN	DED FOR THE FOLLOW	
" STATE NO. 23, WHICH	ARE PRODUCING 25-	-240 % MORE OIL THI	IN THE SUBJECT WELL (FIG.
troleum Engineering Recount	sendations and Procedure	•	
1. MIRU ON GLORIE 2-1/16" PRODUCTION	TA (X) STRING. I	PULL RODS, PUMP,	INSTALL COP. PULL
2. GO IN X-STRING	WITH 2-5/16" BI	T AND I.GG" WORK	STRING TO GROOT
			ED ACETIC ACID AT
5806' - 6152' POH		· · · · · · · · · · · · · · · · · · ·	TO RELITE ACID AT
		<b></b>	
			ENTATION PERFORATING
			G. PERFORATE 2 JSPI
	5-07, 6012-18, 6	146-52' (TOTAL 20	INTERVALS, 40 SHOTS).
2-24-88 <i>AH-2-19-88</i> 2-2 <b>4-88</b>			
2.25-84			
eviewed and Approved By:		District Po	stroleum Engineer
District		Division	
Geological		Engineering	
Supt.			
· · · · · · · · · · · · · · · · · · ·			
		Approved	
CASH 500 C	21800 21800	Date	· · · · · · · · · · · · · · · · · · ·
	0 0 0	PROD. INCR (TX%) 20	(20)
	21800 21800	PAYOUT 4 MON	THS
		D 12 0 / 00	FOOL IMA

PROD. INCR (TX%) 20 ( 20 )
PAYOUT 4 MONTHS
P. W. 1. 13.8 / DCFRO 1000

### STATE OF NEW MEXICO

	П	
DISTRIBUTION		
SANTA PE		
PILE		
U.S.G.B.		
LAND OFFICE		L
	1	

COMPITIONS OF APPROVAL, IF ARYS

#### OIL CONSERVATION DIVISION P. O. BOX 2058 SANTA FE NEW MEXICO BEAL

FILE	
v.s.o.s.	\$4. Indicate Type of Lease
DERATOR	State X Fee 3
	B- 1733
SUNDRY NOTICES AND REPORTS ON WELLS  DO NOT USE THIS FORM FOR PROPERTY TO BRILL ON TO BEEFEN OF PLUE GAES TO A DIFFERENT RESERVOIR.  USE "APPLICATION FOR PLEMIT -" (FORM C-1011 FOR SUCH PROPERTY.)	
L.  OIL OF PELL OTHER.	7. Unit Agreement Name
Viexaco Producing Inc.	New Mexico "L" State
3 Address of Coordina	9. Well No.
P.O. Box 728, Hobbs, New Mexico 88240	10. Field and Pool, or Wildow
HUIT LETTER B . 770 PEET FROM THE North LINE CHE 2090 PEET FROM	
THE East LIME, SECTION 1 TOWNSHIP 18-5 PANSE 34-E	
25. Elevation (Show selection DF, RT, GR, etc.)	12. County
4005 (DF)	Lea
Check Appropriate Box To Indicate Nature of Notice, Report or Ot NOTICE OF INTENTION TO:	her Data
35532902N	refort of:
PERFORM REMEDIAL WORK	ALTERING EARING
PULL OR ALTER CASING COMEN CHANGE PLANS CHANGE PLANS CENERT AND CEMENT AND	PLUE AND ADANDONMENT
oruta	
eruta	
17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including work) SEE RULE 1903.	estimated date of starting any proposes
1. MIRU. Pull rods, pump. Instell BOP.	
2. TIH with 2-1/16" tubing to 6152'. Spot 250 gals 15% acetic	acid. POH.
3, Perforate Glorieta 2 JSPF at 5961-63, 6005-07, 6012-18, 1	6146-52' (40 shots total)
4. Set packer at 5806'. Acidize Glorieta perforations 5961'-61	52' with 4000 gals
15% NEFE, 200 lbs napthelene flekes, and 200 lbs rock salt in	five stages. AIR 3.3
BPM, Maximum TP 2250#, ISIP vacuum.	
5. Pull packer. Set 2-1116" production tubing at 6152'. Run rods, poper 5-5-88, pumped 42 BO, 62 BW, GOR 310, gravity 38.6 perforations 5961'-6152'.	ump. On 24 hour from Vacuum Gbrieta
18. I hereby corrlly that the information above in true and complete to the best of my translogs and belief.  393-4031  anato Affinal Significant Property Contract  ORIGINAL SIGNIED BY IERON CONTRACT	DATE 5-10-88
ORIGINAL SIGNED BY JERRY SEXTON DISTRICT I SUPERVISOR	MAY 1 2 1988

<b>4</b> .		
. Oppose Type	Workover	Est. 373
		None town (M

	n Gloriel		C	county L	No7		State N	lew 1		7.	
X. Comp		26-64 0 1	or_ T. D. 6751	<u>0I. P.</u>	ft, from Oil129		Water	0	_Gos	60.0	_MCF
OR 465	——Hr	DESC			resent T. Depective				ion3	991	DF
Name o	r Type of		Тор	Base				emarks			
Yacuum	Glorieta		5978	2388	Origi		oducio		erval	(1964)	*
Yacuum	Glorieta		6004	6074	Kecor	npletion:	Addit	ional	Interval.	(151)	) × <del>*</del>
			CAS	na om	d liner	record					
Size	Weight	Grade	Set At	Sackz Comezi		P	erf.		Rem	arks	
113/4"	42*	H-40	1510	1000	15"			Cem			d Observ
85/8" 27/8"	24* 6.4*	1-55 1-55	3350 6750	350 1400	10.5/8° 7.7/8°		- 6024	<u>Ceme</u>		@ 204 @ 86	
							G- 10 42 45 14 1				
Þ	raduction '	COM Test Before		i and e	lemedial Trostes		recori		eduction	Test A	May.
	Oil Wat			Type	Amount	From	To	Oil	Water		Hrs
3-26-64 0-10-69		l Completi N/A		5% LSTNE 18% LSTNE	500 500	5978 <i>5</i> 978	<u>5983</u> 5983	129 34	0	465 N/A	10 (F) 24 (P)
3-22-71	35 2	18740	24 (P) r	ERF - 187,	30 <i>0</i> 0	5978	6024	184	ಕ್ರಿ	. 1670	22 (F)
20-75	15 _ 0	_ N/A_	<u> 24 F</u>	15% NEA	3000	<u>5978</u>	6024			9988	24 (F)
asons for	Choke &			· · · · · · · · · · · · · · · · · · ·	70161173			og Pros	tere		
T ead of	Remedial he NM Ehis	Work: OCD has Well. TI	he reco	Texaco	o to sh	id off	T	og Preu Water f	lows i	in the	braden
ead of event a	Remedial he NM this any ca	Work: IOCD has well. The ncelling	he reco of allo	Texacu mmende owables.	o to sh	id off	T	og Preu Water f	lows i	in the	braden
T ead of event z troleum E	Remedial he NM this any co- ingineering	Work: OCD has well. The ncelling recommen	he reco of allo detions an	Texaco mmende owables.	o to sh	ict offi	the k will	og Pred Water f U Sa	lows i	in the	braden
T ead of event i troloum E Rig U	Remedial he NM this any car ingineering Pullin	Work: 10CD has well. To ncelling recommen ng Unit;	he reco of allo detions an install	Texaco mmende owables. d Procedu B.O.P.;	o to she de remedi	id offial wo	He k wid	ve.	lows i	in the	braden request
troloum E	Remedial he NM this any car ingineering Pullin	Work: 10CD has well. To ncelling recommen ng Unit;	he reco of allo detions an install	Texaco mmende owables. d Procedu B.O.P.;	o to she de remedi	id offial wo	He k wid	ve.	lows i	in the	braden request
ead of event a stroloum E. Rig up. R.I.H. P.D.H.	Remedial he NM this any car ingineering p Pullin with with	Work: lOCD has well. To ncelling recommen g Unit; 21/16" to 21/16" to	he reco of allo detions an install ubing ar ubing. T	Texaco mmender owables. d Procedu B.O.P.; and 27/8 Dump	o to she de remedi	id offial wordinger-li Set Risand o	the k will sp abo	water f Water f Water f Ve.	lows itsfy	in the their	braden request
ead of event a troloum E. Rig U. R.I.H. P.D.H.	Remedial he NM this any car ingineering p Pullin with with	Work: OCD has well. To ncelling recommen g Unit; 21/16" to 21/16" to	he reco of allo detions an install ubing ar ubing. The	Texaco mmender owables. d Procedu B.O.P.; and 27/8 Dump GR/Ter	o to she remeding the pull plu plu plu plu plu plu plu plu pl	id offial wordinger-li Set Risand offrom sur	the k will sp about to face to	water f Water f U Sar Ve.	lows in this fy	in the their	braden request 0 ± 59
ead of event a extroloum E. Rig up. P.D.H.	Remedial he NM this any car ingineering Pullin with with with	Work: OCD has well. To ncelling recommen g Unit; 21/16" to 21/16" to	he reco of allo detions an install ubing ar ubing. I	Texacummenders.  Ind Procedum  B.O.P.;  Ind 27/8  Dump  GR/Tex  Load 2	o to she remeding the remeding the remeding the remeding the remeding the remeding the remeding the remeding the remeding the remeding the remeding the remeding the remeding the remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediat	inger-li Set Ri sand o from sur	the k will strate to the fresh	water f Water f Water water	lows thisty limp por RBP.	in the their of so	brader request  2 ± 59  2/1 (27
ead of event a croloum E. Rig up. R.I.H. P.D.H. Rig up. psi.	Remedial he NM this any car instruction p Pullin with with p wirelin Pressure : CRC	Work: locd has well. To ncelling recommen g Unit; 21/16 to 21/16 to e and re	he reco of allo detions an install ubing ar ubing. I	Texacummenders.  Ind Procedum  B.O.P.;  Ind 27/8  Dump  GR/Tex  Load 2	o to she remeding the remeding the remeding the remeding the remeding the remeding the remeding the remeding the remeding the remeding the remeding the remeding the remeding the remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediat	inger-li Set Ri sand o from sur	the k will strate to the fresh	water f Water f Water water	lows thisty limp por RBP.	in the their of so	brader request  2 ± 59  2/1 (27
ead of event a stroloum E. Rig up. R.I.H. P.D.H. Rig up. psi.	Remedial he NM this any can ingineering p Pullin with with with p wirelin Pressure	Work: locd has well. To ncelling recommen g Unit; 21/16 to 21/16 to e and re	he reco of allo detions an install ubing ar ubing. I	Texacummenders.  Ind Procedum  B.O.P.;  Ind 27/8  Dump  GR/Tex  Load 2	o to she remeding the remeding the remeding the remeding the remeding the remeding the remeding the remeding the remeding the remeding the remeding the remeding the remeding the remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediate remediat	inger-li Set Ri sand o from sur	the k will strate to the fresh	water f Water f Water water	lows thisty limp por RBP.	in the their of so	brader request 21 + 59 21 + 627 21 + 627 213/4-8
read of event a etroloum E Rig up 2. R.I.H. P.D.H. 3. Rig up psi.	Remedial he NM this any car ingineering p Pullin with with with p wirelin Pressure : CRC Hallibor	Work: OCD has well. The recommending Unit; 21/16" to 21/16" to 21/16" to and recommenders.	he reco of allo detions an install ubing ar ubing. I	Texacummenders.  Ind Procedum  B.O.P.;  Ind 27/8  Dump  GR/Tex  Load 2	o to she de remediants:  pull plu  "RBP. "O of =  mp Log f  7/8" casing to 1000	ind offial workinger-list Set Risand of From Suith psi.* N	the k will shall about top face I fresh ipple will be a considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerab	water f Water f Water water water up pur	lows thisty limp por RBP.	in the their of so pressure to the to	brader request 21 + 59 21 + 627 21 + 627 213/4-8
read of event a etroloum E Rig U!  Rig U!  R.I.H.  P.D.H.  Rig U!  DSi.  Live I  Chut:	Remedial he NM this any car ingineering p Pullin with with with p wirelin Pressure CRC Helliso-	Work: OCD has well. The recommending Unit; 21/16" to 21/16" to 21/16" to and recommenders.	he reco of allo detions an install ubing ar ubing. I	Texacummenders.  Ind Procedum  B.O.P.;  Ind 27/8  Dump  GR/Tex  Load 2	o to she de remediants:  pull plu  "RBP.  "O of =  "Division	ind offial workinger-list Set Risand of From Suith psi.* N	the k will shall about top face I fresh ipple will be a considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerab	water f Water f Water water water up pur	lows it is fy	in the their of so pressure to the to	brader request 21 + 59 21 + 627 21 + 627 213/4-8
etroleum E  Rig U  Rig U  R.I.H.  P.D.H.  Rig U  Chut  eviewed an  District  Geologic  Asst. St	Remedial he NM this any can ingineering p Pullin with with with Pressure CRC Helliso- ad Approve	Work: OCD has well. The recommending Unit; 21/16" to 21/16" to 21/16" to and recommenders.	he reco of allo detions an install ubing ar ubing. I	Texacummenders.  Ind Procedum  B.O.P.;  Ind 27/8  Dump  GR/Tex  Load 2	o to she de remediants:  pull plu  "RBP.  "O of =  "B" casing  to 1000  Division  Eng  Geo	ind official working such psi.* N  Pois  Con  Con  Con  Con  Con  Con  Con  Co	the k will shall about top face I fresh ipple will be a considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerab	water f Water f Water water water up pur	lows it is fy	in the their of so pressure to the to	brader request 21 + 59 21 + 627 21 + 627 213/4-8
event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in event in eve	Remedial he NM this any can ingineering p Pullin with with with Pressure CRC Helliso- ad Approve	Work: OCD has well. The recommending Unit; 21/16" to 21/16" to 21/16" to and recommenders.	he reco of allo detions an install ubing ar ubing. I	Texacummenders.  Ind Procedum  B.O.P.;  Ind 27/8  Dump  GR/Tex  Load 2	o to she de remediants:  pull plu  "RBP.  o' of she  mp Log f  7/8" casing  to 1000  Division  Eng  Geo  Gen	ind offial workinger-lines and officering with psi.* N  Position Surfacering with supering with psi.* Supering with psi.* Supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with supering with superi	the k will shall about top face I fresh ipple will be a considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerab	water f Water f Water water water up pur	lows it is fy	in the their of so pressure to the to	brader request 21 ± 59. 21 + 627 21 + 627 213/4-8
event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event a event	Remedial he NM this any can ingineering p Pullin with with with Pressure CRC Helliso- ad Approve	Work: OCD has well. To ncelling Recommen  g Unit; 21/16 to e and re  up 85/8-	he reco of allo detions an install ubing ar ubing. I	Texaccommenders.  Interpretation of Procedurables.  B.O.P.;  and 278  Dump  GR   Texaccommenders.  Dump  GR   Texaccommenders.  Dump  Load 2  nulus to	o to she de remediants:  pull plu  "RBP. "O of a  "B" casing to 1000  Division Geo Geo A	ind official working such psi.* N  Pois  Con  Con  Con  Con  Con  Con  Con  Co	the k will shall about top face I fresh ipple will be a considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerable with the considerab	water f Water f Water water water up pur	lows it is fy	in the their of so pressure to the to	brader request 21 ± 59. 21 + 627 21 + 627 213/4-8

#### FIATE OF NEW MEXICO . ENERGY AND MINERALS DEPARTMENT

	1	
DISTRIBUTION		
BANTA PE		
FILE		
U.S.O.S.		L
LAND OFFICE		
DPERATOR	ł	

# DIL CONSERVATION DIVISION

DISTRIBUTION SANTA PE	P. O. BOX 2088	Form C-103 Revised 10-1-7
FILE	SANTA FE, NEW MEXICO 87501	La Labora T
U.S.O.S.		Sa. Indicate Type of Lease State X Fee
LAND OFFICE		State X Fee 5. State Oil & Gas Lease No.
OPERATOR		B-1733 - 1
SUNDO	Y NOTICES AND DEPORTS ON WELL S	
NUNUM FOR THE SEU TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON GOD TON	Y NOTICES AND REPORTS ON WELLS POSALS TO DRILL OF TO OCCEEN OF PLUG BACK TO A DIFFERENT RESER TON FOR PERMIT - " (FORM C-101) FOR SUCH PROPOSALS.)	voia. (
1.		7. Unit Agreement Name
الله الله الله الله الله الله الله الله	GTHER.	_
2. Name of Operator		8. Farm or Lease tiaine
Texaco Inc.		New Mexico "L" State
3. Address of Operator		9. Well No.
P.O. Box 728, Hobbs, NM	88240	7
4. Location of Well		10. Field and Pool, or Wildcat
WHIT SETTER A	760 REST FROM THE North LINE AND 560	Vacuum Glorieta
East Line section	N 1 TOWNSHIP 18-S NAME 34-E	
	15. Elevation (Show whether DF, RT, GR, esc.)	12. County
	3991' (DF)	Lea
Check A	Appropriate Box To Indicate Nature of Notice, Re	port or Other Data
NOTICE OF IN		BSEQUENT REPORT OF:
•		
PERFORM REMEDIAL WORK	PLUG AND ABANDON REMEDIAL WORK	ALTERING CASING
TEMPORABILY ABANDON	COMMENCE DRILLING OPNS	PLUE AND ABANDONMENT
PULL OR ALTER CASING	CHANGE PLANS CASING TEST AND CEMENT	هود 📗
	OTHER Addl. G	lorieta perfs. X
OTHER.		
		<del></del> :-:
work) SEE RULE 1603.	erations (Clearly state all pertinent details, and give pertinent da	tes, including estimated date of starting any proposed
1 Digged up Dull was	in numer and dublica	
1. Rigged up. Pull roo		
<ol><li>Set pkr. @ 5900'. Sp Kill well. Pull pkr</li></ol>	oot 500 gals. (50/50) 15% Acid & 50% Xylo	ene on perts. 5978'-6024'.
3. Perforate 2-7/8" csc	w/2 JSPF @ 6030,32,45,48,50,52,65,70,7	2 02 00 00 05 00 5100 02 10
12,14,16,31,33 & 613	/ w/2 user @ uusu,s2,45,40,50,52,05,70,7	2,02,00,90,90,90,0100,02,10,
4. Set pkr @ 5761'. Aci	dize perfs 5978'-6134' w/9900 gals. 20%	SC Acid using 600# (50/50)
Rock Salt & Benzoic	Acid Flakes. Flushed w/38 bbls. KCl wa	ton
5 Install numning equi	pment. Test well & return to production	n
o. Thours pumping equi	phone: Test well a reculti to production	· ·
•		•
•		
	-	
	•	
18. I hereby certify that the information a	bove is true and complete to the best of my knowledge and belief	•
1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/		
i as chill-	- Asst. Dist. Mgr.	5-15-81
	W.	
	ă .	***************************************
APPROVED BY		MAY 20 1981

IDC WO: This worker will result in the recovery of new id ifiable production and reserves that will not therwise be recovered by the present completions. (116> E-4 RECOMMENDED REMEDIAL WORK NOVEMBER 1986 Date_ NEW MEXICO "L" STATE (NCT-1) Well No. TI. Work lat. VACUUM GLORIETA .County. LEA NEW Pool_ _State__ KB ft. from ground level. All depths measured from TX. Comp. Date 11-12-64 @ T. D. 6850 I. P. Oil .Water. .Gea Pring. Flow Present T. D 6840 PETD Elevation Hre 2 GOR DESCRIPTION OF PROSPECTIVE OR PAY ZONES Name or Type of Zone Top Remarks Base PRECENT PROPOSED COMPLETION INTERVAL VACUUM 6207 CASING AND LINER RECORD Sacks Hole Size Weight Grade Set At Size Perf. Remarks Cement 11" 24*/FT 1462' 650 SX 11" 6849' 900 SX 7-5/8" NONE CEMENT CIRCULATED N.A. G053-GCG7 BOND LOG CMT TOP 3264 6.5 = /FI <u>j-55</u> COMPLETION AND REMEDIAL WORK RECORD m Test Before Treatm **Production Test After** Water 01 COR COR Hra Type Amount To Water Bra From 484 11-12-64 INITIAL COMPLETION ACID 1500 6053 6067 90 12 (F PERFORATIONS: 1 JSPI & GC53, GO57, GCG1, GOG7'

Remarks: PUMPING ECUIPMENT: 228D-24G-8G UNIT, 40 HP MOTOR, GG ROD STRING, 276"TUBING, 1/2+1/4+24" PUMPING Present Allow 14 5020 Max Allow 51 BOPD Acoum. Prod. 465, 982 as of 7-1-86 Water 70 Gas 12 GOR 795 24 Present Test: Oll.... Hrs. Pump. Row. TEST DATE 10-7-86 Choke Size. Pressure _The Pressure_ Reasons for Remedial Work: TO INCREASE SUBJECT WELL PRODUCTION 20 BOPD BY LOGGING THE PROSPECTIVE PAY ZONE WITH A THERMAL NEUTRON DECAY TOOL, PERFORATING ADDITIONAL PAY AT 6072-6207', AND ACIDIZING WITH 4000 GALLONS OF 15% NEFE THIS WORK IS RECOMMENDED FOR THE FOLLOWING REASONS: 1) THE SUBJECT WELLBORE CONTAINS 88 GROSS FEET OF POTENTIAL BEHIND-PIPE PAY AT 6072 - 6119' AND 6166 - 6207 ( SEE FIGURE 3). THESE ZONES ARE PRESENTLY BEING Petroleum Engineering Recommendations and Procedure: MOVE IN, RIG UP. PULL RODS, PUMP. INSTALL BOP'S. PULL 2-1/16" IJ PRODUCTION TURING. 2. 30 IN HOLE WITH 2-1/4" BIT ON 1-1/2" WORKSTRING TO 6750'. PCH. LOAD HOLE WITH PRODUCED SWELLTH WATER (RETAIN SAMPLE FOR ZECIETIYITY ANKLYCI). LOG CASED HOLE & 6750 - 5750' WITH THERMAL NEUTRON DECAY TOOL (1-11/16" C.D.). RECOMMENDED LOGGING SPEED 900 FT/HOUR. POH. 4. LOAD HOLE WITH PRODUCED WATER. GO IN HOLE WITH 2" ZETKIEWAZLE TURING GUN AND PERFORATE GLORIETA 2 SPI AT (TENTATIVE): 3072, 77, 87, 92, 94, 39, 6113-19, 6166-69, 6190, 94, 6206-67 (21 INTERVALS TOTAL). POH. 5. GO IN HOLE WITH 2-7/8" PACKER ON WORKSTRING TO GIBO! SET PACKER AND LOAD ANKIDEDS Uman District Petroleum Engineer Reviewed and Approved By: District Division Geological Engineering . Asst. Supt Geological Supt. Gen'l. Supt. 1-3-34 Approved DMD 11- 5 86 Date 4. TOTAL. мон

24950

29(P;+(DC

TOTAL

INV

114900

4966 4966

PROD. INCR (TX%) 20

2.97

DC23.2

PAYOUT

#### STATE OF NEW MEXICO ENERGY MO MINERALS DEPARTMENT

END MINICIPALS D		1
DISTRIBUTION	]	
BANTA PE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		

### OIL CONSERVATION DIVISION P. O. BOX 2088

Form C-103 - Revised 10-1-7

FILE	A FE, NEW MEXICO 87501	•
U.S.G.S.	•	State Fee
DPERATOR		5. State Oil 6 Cas Lease No. B - 1733 - 1
SUNDRY NOTICES AND R	EPORTS ON WELLS	
I. OIL S GAS OFFICE		7, Unit Agreement Name
2. Name of Operator		8. Form or Lease Hame
Texaco Producing Inc.		New Mexico "L" State
P.O. Box 728, Hobbs, New M.	exico 88240	9
4. Location of Well H 1660	North Line Ann GGO PERT PR	Vacuum Glorieta
	MANIP 18-S RANGE 34-E MAP	
	(Show whether DF, RT, GR, etc.)	12. County
<u> </u>	95' KB	Lea
Check Appropriate Box To	o Indicate Nature of Notice, Report or C SUBSEQUE	Other Data NT REPORT OF:
PERFORM DEMERIAL WORK PLUS AND TEMPORARILY ADARDON PULL OR ALTER CABING CHARGE I	PLANS CASING TEST AND COMMENT AND	ALTERING CASING
•THER	O	
1. MIRU. Pull rods and pump. Install 2. Fish tubing anchor. 3. Log cased hole at 6748'-4748' w 4. Perforate Glorieta 2 JSPF at 6001 6190, 94, 6206, 07 (Total 19 interval 5. Acidize Glorieta perforations 6001- rock salt in four stages. AIR 4 BP 6. Run production equipment. On 24 GOR 327, gravity 38.6 from Glorieta	ith TMD-GR tool, 1,03,05,07,09,11,13,15,17,72, 1s, 38 shots). 6207' with 4500 gallons 15% N PM, Max TP 1400*, ISIP O. hour OPT 12-22-87, pumped	EFE and 440 pounds
18. I hereby certify that the information above is true and completed in the certify that the information above is true and completed in the certific true and completed in the certific true and completed in the certific true and completed in the certific true and completed in the certific true and completed in the certific true and completed in the certific true and completed in the certific true and completed in the certific true and completed in the certific true and completed in the certific true and completed in the certific true and completed in the certific true and completed in the certific true and completed in the certific true and completed in the certific true and completed in the certific true and completed in the certific true and completed in the certific true and completed in the certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true and certific true an	te to the best of my knowledge and belief.	
**** A. Gernandt	rnce Area Superintendent	12-29-87
ORIGINAL SIGNED BY JERRY SEXTON DISTRICT I SUPERVISOR	717LE	• <del>0</del> EC 3 0 1987
		<del>-</del> •

## Talks to Appropriate State of New Mexico

District Office State Lease — 6 copies		Energ	y, Mineral	s and Natur	al Resc	ources Dep	artme	nt				Revi	sed 1-1-1	39
Fee Lease - 5 copies		<b>011</b>	CONIC	A TECEPO	TTAX	T <b>TAT</b> TE	<b>''T</b>	. [.W	ELL AP	I NO.				
DISTRICT I P.O. Box 1980, Hobbe, N	M 88240	OIL	CONS	SERVAT			2101	N 3	0-025	<u>–</u> 311	32			
DISTRICT II P.O. Drawer DD, Artesia,			Santa Fe	P.O. Box New Mex			3	5	Indica	ь Тур	of Lease	TE X	) F	EE
DISTRICT III								1 -	. State ( 3-173;		Gas Lease N		·	
1000 Rio Brazos Rd., Art		00.00		TION DE	DODT	1110100			7////	7777		77777		777777
1a. Type of Well:	MPLETION	OH HE	COMPLI	ETION HE	PORT	AND LOC	<u> </u>		////	Name	or Unit Agr	ement	///// Varme	
OIL WELL	GAS WEL	L 🗌	DRY 🗌	OTHER _		<del></del>	<del></del>	i			CO-L-S1			
b. Type of Completion: NEW WORK WASLL OVER	DESPEN [	T PLUG	П	DIPP RESVR O	THER									
2. /Name of Operator								=	L Well I	Na.				
TEXACO PRODUC	CING INC.							1	10					
3. Address of Operator P. O. Box 3109	9. Midland,	Texas	79702								r Wilden ORIETA			
4. Well Location								l						
Unit Letter B	: 280	Feet	From The	NORTH		Line an	d <u>20</u>	80	F	ioot Fro	on The E	ST		·Line
Section 1		<b>T</b>	vaship 18-	SOUTH	Dance	34-EAS	т	NM	mar I	.EA				Carrete
	1. Date T.D. Rea		<del></del>	ompl. (Ready i	<u>_</u>			ons (DFd	7 147		a(a.)	4 Elev	Casingh	County
	1. <i>Daz</i> 1.5. ke )5-03-91		05-21-		io i roal,			3', KB-				3993	Cathagas	D-ECT.
15. Total Depth	16. Plug B	ck T.D.	<u> </u>	17. If Mukiple	e Compl.			tervals niled By	Rotary		 1	Cable T	ools	<del></del>
6300'	6200'			Many Zon			<u> </u>	unee na	0-63		İ			
19. Producing Interval(s), 6017' - 6132'; GL	•	з - Тор, В	lottom, Name	•							). Was Direc ES	tional S	arvey Ma	ide
21. Type Electric and Other GR-MSFL-DLL-CA		CNI GI	S-SONIC						22. WI	as Wel	Cored			
23.	L, dn-LD1-									·				
OA CDIO CTTP	WILLIAM I			ECORD			ngs s			ic pr		0324		Share en
CASING SIZE	WEIGHT I	BJF1.	1550'	TH SET	14 3/	OLE SIZE	1	400 S			CORDIV 0/SX	<del>  ^</del>	MUUNI	PAILED
8 5/8	32#		3000'		11			050 S				111	<del>- \$1</del> -	٠ س
								.v. to					Ing.	(i) (i)
5 1/2	15.5#		<b>1</b> 6300,		77/	8		375 S				75	<del></del>	7)
24	<u> </u>	T IN	ER RECC	NPD.	<u> </u>		D	.V. TO	OL @ S	מו זיד	SING REC	60°C	<u>6</u> 0	<del>- \}</del>
SIZE	TOP		OTTOM	SACKS CE	MENT	SCRE	EN .	12.	SIZE	101	DEPTH	<del>يپورن</del>	<del>,</del>	KER SET
								2 7/			6162' ें/	1101	0.19	.,,,
				1		·,		1				<u></u>		
26. Perforation recor 6017-19', 6023-2				ט אוטו בפ							CEMEN			
6083-86', 6094-9						DEPTH 6017' -			<del></del>		T AND KI			USED
6128-32', 80 HOL		•	-			6083' -			<del></del>		00 GAL			
28				PRODU										
Date First Production 05-15-91	D. II.		ios Method ( 2.5 X 1.5	Flowing, gas l	ift, pump	ing - Size and	t type p	хагф)			PRODUC	•	i. or Shu	(-in)
Date of Test	Hours Tested		Choke Size	Prod's Fe	or	Oil - Bbl.		Gas - MC	æ.	w	ater - Bbl.	11401	Gas -	Oil Ratio
05-29-91	24	-		Test Peri		102	1	45	1	98		441	-	
Flow Tubing Press.	Casing Pressure		Calculated 24 four Rate	- Oil - Bbi	L.	Gas - M	CF	Wa	ter - Bbl		Oil One 29.8	vity - Al	1 - (Corr	· <u>7</u>
29. Disposition of Gas (So. SOLD	ld, used for fuel,	vented, etc	:.)					_l			LOCKLA	D		
30. List Attachments										MINUT	LOCALA			
DEVIATION SURVEY								*						
31. I hereby certify that	the information	shown o	on both side	s of this form	n is true	and compl	ele 10 l	the best	of my lo	nowle	ige and be	lief		
Signature C. F.	Book	am)	SON	Printed Name C.	P. BA	SHAM		<b></b>	DRI	G. O	PNS. MGI	۹. n	_{ate} 06	.05-91

Hobbs and Manage

Submit to Appropriate

## State of New Mexico

Form C-105

District Office State Lease — 6 copies		E	inergy, Minera	us and Madu	rau Kesk	ources Dep	partme	nt			Revi	sed 1-1-89
Fee Lease - 5 copies DISTRICT I		(	OIL CON	CEDVA	TTON	J TYTYT	CTO!	u [	WELL API NO			
P.O. Box 1980, Hobbs,	NM 88240	,		P.O. Box			2101	1	30-025-31	131		
DISTRICT II P.O. Drawer DD, Artes				5. Indicate Ty		TE X	FEE [					
DISTRICT II P.O. Drawer DD, Artesia, NM 88210  DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410  Santa Fe, New Mexico 87504-2088  FILE						6. State Oil & B-1733-1	Gas Lease No	<b>.</b>				
			R RECOMPL	ETION RE	PORT	ANDIO	<u>.                                    </u>					
In Type of Well: OIL WELL	_	S WELL		OTHER _	- CN1	AND LO			7. Lease Nam NEW ME	e or Unit Agre		verne
b. Type of Completion NEW WORK WELL OVER		PEN	PLUG BACK	DIFF RESVE O	THER							
2. Name of Operator								=	8. Well No.			
								9. Pool same	or Wildest			
P. O. Box 31		lland, Te	exas 79702						VACUUM G	LORIETA		
4. Well Location		604	<b>*</b>	NODTL		7	. 05					*1
Unit Leiter	::	004	Feet From The				M 85	0	Feet F	rom The EA	<u> </u>	Line
Section 1			Township 18-			34-EAS			MPM LEA	<del></del>		County
10. Date Spudded 03-28-91	11. Date T 04-15-	.D. Reached -91	1   12. Date (   06-11-	Compt. <i>(Ready :</i> -91	io Prod.)				'& RKB, RT, G -4001'	1	l Elev. 986'	Casinghead
15. Total Depth		Plug Back	T.D.	17. If Mukipl Many Zoo	e Compl.	How	18. lpi	ervals illed By			able To	ools
6300'		250'		<u> </u>				mou by	0-6300			
19. Producing Interval(s 5956' - 6192';	•	•	lop, Bottom, Nam	<b>16</b>						20. Was Direct YES	ional Su	rvey Made
21. Type Electric and O			L. GR-SONIC				<del></del>		22. Was Wo	all Cored		<u> </u>
23.			CASING I	RECORD	Reno	ort all etri	inge e	et in			·	· · · · · · · · · · · · · · · · · · ·
CASING SIZE	WEI	GHT LB/		TH SET		OLE SIZE			MENTING R	ECORD	AM	OUNT PULLED
11 3/4	42#		1550'		14 3/	/4			X, CIRC. 3			
8 5/8	32#		3000,	<del></del>	11				X, CIRC. 3		<del> </del>	
5 1/2	15.5#	ŧ	6300'		77/	8			OOL @ 1569 X, CIRC. S		┧	
	1.55.			•	<del>                                     </del>	<u> </u>			OL @ 4983		<del> </del>	
24.			LINER RECO	ORD				25.	TU	BING REC	ORD	
SIZE	101	P	воттом	SACKS CE	MENT	SCRE	EN		SIZE	DEPTH :	SET	PACKER SET
			<del></del>	<del></del>				2 7/	<u> </u>	6198'		
26. Perforation rec	ord (inter	val, size,	and number)	<del> </del>					FRACTUR	E, CEMEN	r, sq	UEEZE, ETC.
SEE ATTACHED SI	UNDRY N	OTICE	÷				INTER					ERIAL USED
						5956' -				200 GAL 1 700 GAL 1		
						6145' -				200 GAL 15		
28.				PRODU		)N				(V)		(B)
Date First Production 05-08-91		1	oduction Method		ift, pump	ing - Size an	d type p	итф)	70.			l. or Studyie)
Date of Test	Hours 7		Choke Size	Prod's R	or	Oil - Bbl.		Gas - M	. (୭	PEODUGIA	Wei_	Gas - Col Ratio
06-28-91	24		<u> </u>	Test Peri		58		00	1226	≥8≤.	1324	23
Flow Tubing Press.	Casing	Pressure	Calculated 2 Hour Rate	4- Oil - Bbl	<b>L</b>	Gas - N	<b>ICF</b>	W	ater - BbL C	Oil Offi	ry AP	1 - (Cork)
29. Disposition of Gas (S	Sold, used fo	or fuel, vent	ed, etc.)			<del></del>			Tost W	WELLABOR	NS 82	IL St
30. List Attachments	A STIPLE	OV MATIA	·			<del></del>		<u> </u>	·			
31. I hereby certify the				es of this form	n is true	and comp	ese so s	he best	of my knowl	edge and beli	4	
Gia	PR	anha.		Printed Name C.		•				-	·	07 40 04
Signature .	1.4	wills	njonk	/ Name C.	P. BA	SHAM		Ti	the DRLG. C	JPNS, MGR	Dı	te 07-12-91

IDC WO: This workover will result in the recovery of new identifiable production and reserves that will not otherwise be recovered by the present completions. From PO-00 (H) **BECOMMENDED REMEDIAL WORK** JULY 10, 1987 Date__ NEW MEXICO "U" STATE TX. Work. Int 100.00 % _Well No__3__ Lease County LEA VACUUM GLORIETA NEW MEXICO _State_ ft. from ground level.
59 Water All depths measured from KB 14 07.... TX. Comp. Data 10-9-64 GOR 1550 Hrs 24 @ T. D. 6850 I. P. OIL Gea MCF Hrs 24 (SWAE) Pamp. Plew. Present T. D. 6817 PBTD Elevation 4017 KB DESCRIPTION OF PROSPECTIVE OR PAY ZONES Name or Type of Zone Top Rese Remarks ASD - HELD FOR SECONDARY RECOVERY 8-2-48 VACUUM GLORIETA 6033 6011 VACUUM GLORIETA 5922 PROPOSED ADDITIONAL PERFORATIONS 6003 CASING AND LINER RECORD Sacks Hole Size Weight Grade Set At Size Perf. Cement CEMENT CIRCULATED -3/4 42 */FT 1000 SX H-40 1550' NONE 7/8" 7-7/8" 6011-6033' 6.5 */FT TOC @ 2640' (BOND LOG) 1400 SX J-55 6850' COMPLETION AND REMEDIAL WORK RECORD Treatment Hrs Water GOR OII Water GOR Type Amount From 10-9-64 INITIAL COMPLETION 15% ACID 500 6011 6033 24(P) 15% ACID 2000 6011 6033 1715 0 1800 18 8-2-48 0.8 3625 WELL SHUT IN (ASD 24(P) EXISTING PERFORATIONS: 2 SPI AT GOIL, 14, 19, 26, 30, 33 (TOTAL 12 SHOTS) Remarks: NO ARTIFICIAL LIFT EQUIPMENT ON WCATION / IN WELLCORE Max Allow 50 Accum Prod. 26,493 80 as of 8-2-68 0,8 Water 0 Gas 2.9 GOR 3625 Hrs. 24 Present Test: Oil_ TEST DATE 8-2-68 N.A. N.A. Choke Size. Pressure... .. The Pressure... Reasons for Remedial Work: TO RESTORE SUBJECT WELL PRODUCTION TO 12 BOPD BY PERFORATING ADDITIONAL GLORIETA / PADDOCK PAY AT 5922-6003' AND ACIDIZING WITH 5500 GALLONS 15% NEFE HCL. THE SUBJECT WELL IS LOCATED ON THE SOUTHWESTERN EDGE OF THE VACUUM GLORIETA / PADDOCK POOL (FIGS. 1, 2), WHICH IS PLANNED TO BE UNITIZED FOR SECONDARY RECOVERY. RESTORATION OF THE WELL TO ACTIVE STATUS WILL Petroleum Engineering Recommendations and Procedure: H. MIRU. INSTALL BOP. TIH WITH 2-5/16" BIT ON 1.66" WORKSTRING TO 6300'. PCH. LOAD HOLE. 2. TIH WITH 1-11/16" PERFORATING GUN AND COLLAR LOCATOR. PERFORATE 2 SPI AT 5922, 5928, 30, 32, 35, 48, 58, 67, 68, 72,75, 81, 5992, 6003 ( 14 INTERVALS, 28 SHOTS TOTAL). 3. THE WITH 2-1/2" PACKER ON 1.66" WORK STRING TO 5000, TEST BACKSIDE TO 2500 PSI. POH-4. ACIDIZE DOWN 2-7/8" CASING WITH 5500 GALLONS OF 15% NEFE AND 1500 LBS. ROCK SALT. PUMP IN 4 STAGES, AT 4 BPM AND 2500 PSI MAXIMUM TREATING PRESSURE, AS FOLLOWS: MAS 6-1-87 DMD 6.3-67 a.5-6-3-87 District Petroleum Engineer Reviewed and Approved By: District Division Geological Engineering Asst. Supt Geological Supt. Gen'l. Supt. Approved Date CASH MOH TOTAL TEXACO 0 17200 17200 17200 EXP,-IDC PROD. INCR (TX%) 12 112 PAYOUT I.I. YEARS 0 0 INV.

P. W. L 5.24 / DCF201 155.5

17200

TOTAL

0 17200 17200

<b>1</b> 7				77-7	l 37. P	The Was	Date_11-25-	
							rk. Int 100%	
711 den	the meach	ed from	n KR	<u>5</u> 0	11	ft from	_State_ <u>NEW_M</u> m_ground_lev	re]
							Wat	
	M Hr							4' Elevation 4011'
					•			
			DES	CRIPTIO	OF PROS	PECTIVE OR	PAY ZONES	
Momo	(Trans. 6	e Mana		Tlom	Dottom		Domanico	
	or Type o			Top		DDECEMI	Remarks PERFORATED	TAXTICTX 7A T
	G SAN ANDR							
	A	K DAN F	WURES .				PERFORATED ED GLORIETA	
GLORGIA			<del></del> •	0002	0102	- ALANCON	D CENTER	ZONE
				CAS	SING AND	LINER RECO	RD	
gi = a	77 - 1	~		Cot 34	Sacks		Perf.	Domenica
Size	Weight	Gra	rae	set at	Cement	Size	Peri.	Remarks
10 3/4"	25.52#	<u> </u>		1550'	800	15"		CEMENT CIRCULATED
			-55 -55	6248'			50201-5946	' CMT TOP @ 2650' (CB
2 110			<del></del>	0240	1000		<u> 3020 3340</u>	<u> </u>
	<del>-</del> -							
				··				
			O	OMPLETIC	IN AND RE	MEDIAL WOR	K RECORD	
						_		
	Productio				_			Production Test Afte
			COR				From To	Oil Water GOR H
05-13-65	NEW _	WELL	<del></del>		ACID 4	1400 GALS	6052' 6061'	DRY ZONE
					ACID :	2400 GALS (	6052' 6106'	DRY ZONE
					ACID 2	2000 GALS (	6178' 6182'	DRY ZONE
		TBP @						7 15 TSTM
<u>03-1-77</u>	_ASD	HELD_	FOR_	_SWD_	ACID (	<u>5000 GALS !</u>	<u>5020'</u> <u>5946'</u>	
Remarks:								
			••				5	5 10 16 01
present	TTOM	U	Max	TTOM.		accum. P	rod. <u>297</u>	as of 10-16-91
Dregent	Test. Oil		Water		Gae	ഭവ	2	Hrs Pump Flow
22000.0	1000. 011							
SHUI-IN	SWD WELL							
		-						
Reasons	for Remed	ial Wor	:k:		<del> </del>			
					<del>,</del>			
					ŕ			
						_		
Petroleu	um Enginee	ring Re	commen	dations	and Proce	edure:		
	<del>-</del>							
							*	
		<del> </del>	<del></del>					
	-	<u> </u>	<del> </del>	······································				
					-		Awar Ma	
Povisor	and hour	oursel Dr					Area Ma	nager
	l and Appr					Disc.		nager
Engineer	:						ision	•
Engineer Producti	on Forema	n				Ar	ision oproved	nager
Engineer Producti	:	n				Ar	ision	•
Engineer Producti	on Forema	n				Ar	ision oproved	•
Engineer Producti	on Forema	n				Ar	ision oproved	•
Engineer Producti	on Forema jineer	n				Aţ Da	ision oproved ate	
Engineer Producti Area Eng	on Forema	n				Ap Da	ision  oproved  ate	X%) (
Engineer Producti	on Forema jineer	n				Ap Da	ision oproved ate	X%) (

HO. OF COPIES RECEIVE	0					-1	Form (	
DISTRIBUTION	· y · · · · · · · · · · · · · · · · · ·					,		ed 1-1-65
SANTA FE		NEWA	MEXICO OIL CON	SERVATION (	COMMISSION		_	ite Type of Lease
FILE	w		TION OR REC			ND LOG	State	
U.S.G.S.					•			oil & Gas Lease No.
LAND OFFICE					• -			1. 11. 384
PERATOR				-	.` 	: <b>*</b> ,		
S. TYPE OF WELL	OIL	T GAS				1	7. Unit A	greement Name
b. TYPE OF COMPLET		WELL WELL	ليا ۱۹۹۷	OTHER				r Lease Name
MEN TO WOR		PLUG BACK	DIFF.	OTHER			-State	Warn 1/0 2
Name of Operator	n Oil Compa						9. Well No	<u>, 1)†</u>
, Address of Operator	TOTA COMPA	11.7		<del>,</del>		<del></del>	10. Field	and Pool, or Wildcat
Box 220	Hobbs, Ne	w Mexico	· · · · · · · · · · · · · · · · · · ·				Vacu	um Gloricta
. Eccitor of were								
HIT LETTERE	LOCATED	1660	ROM THE Nort	h LINE AND	<u>380</u> ,	EET FROM		
<b></b>	,	70 -	- v		IIIXIII		12. Count	
HE WOST LINE OF S	ec. 6 tw	re. LOS no	E. 35 E NMPM					oca ()))) 9. Elev. Cashinghead
	•	į.		ŀ		•	A, esc./	
12-20-64 0. Total Depth .	1-9-65	Back T.D.	14-65		398]   RKF		- T1-	3969 I
62501		220!	Many	le Compl., How	Drilled	By 0 -	40018	Cable Tools
4. Producing Interval(s	1		Name	<del>-</del>		<u>→ !U = </u>	02501	25. Was Directional Survey
			i, Nume			<b>.</b>		Made Made
6012 - 60	23' Clorie	ta				٦.		yes
6. Type Electric and O	ther Logs Run	<del></del>					1 27	Was Well Cored
Gamma Ray Son:	=	· Merolat	erolog: Tate	erolog and	Moveable	Plot (	1	no
8.	ic, variper	<del> </del>	SING RECORD (Res					
CASING SIZE	WEIGHT LB./	<del></del>		LE SIZE		TING REC	080	AMOUNT PULLED
8-5/8"	24		02' 12-		1000 sac		OND	None
5-1/2"	15.5		<del></del>		31280 sac			
5-1/2"	13.3	. 02	10· 1=	1,70	TZOU Sat	KS		None
* w/ 2% gol, 3	2% OC & 1/L	# Flocele	per sack. *	* 1/1/# Flo	cele w/ 8	380 sx 8	27 86	1 1/ 400 sx.
).	<u> </u>	NER RECORD	por baying		30,		UBING RE	
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE		PTH SET	PACKER SET
		<del></del>	JACKS CEMENT		2-3/81		59491	58211
<del></del>	Non		<del>                                     </del>		<u></u> 5/0		J/47 ·	30211
, Perioration Record (	Interval. size and	number)	<u> </u>	32. A	CID, SHOT, FI	RACTURE	CEMENT	SQUEEZE, ETC.
•			O TOTAL	DEPTH IN				KIND MATERIAL USED
OUT2 - 80.	U, and 6021	0U23 W/	2 0SPT	6012 -				earhead acid
	•	,		<u> </u>		TOO P	عدو وعد	OLITOGA ACEA
	• •	. :		<u> </u>		1	<u> </u>	
						<del></del>		
J.			PROD	DUCTION		<del></del>		<del></del>
ate First Production	Produc	tion Method (Flor	wing, gas lift, pum	<del></del>	type pump)		Well Sta	itus (Prod. or Shut-in)
1-14-65	Fl	oving	•				Pro	ducing
ale of Test	Hows Tested	Choke Size	Prod'n. For	Oil — Bbl.	Gas - MCF	Wate	er – Bbl.	Gas Oil Ratio
1-14-65	7-1/2	16/64"	Test Period	56.19	28		None	490;1
low Tubing Press.	Casing Pressure	Calculated 24	- Oil - Bbl.	Gas - MC		ter – Bbl.		il Gravity - API (Corr.)
160	Packer	Hour Rate	179.81	88		None		37.5°
Disposition of Gas (		l, vented, etc.)					t Witnesse	
Sold					•	J,	J. L. F	rank ,
. List of Attachments		:			<del>- · · ·</del>			
Gamma Ray	Sonic				•			
. I hereby certify that	the information sl	hown on both side	s of this form is tr	ue and complete	to the best of	my knowled	ge and bel	ies.
_		0.5 I						•
SIGNEDULLO	It me	chler.	TITLE	Assit.	Supt.		DATE	1-29-65
VI UIT								

NO. OF COPIES RECEIVED		
DISTRIBUTION	:	
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
OPERATOR		



Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

DISTRIBUTION			C-102 and C-103
SANTA FE	NEW MEXICO	O OIL CONSERVATION COMMISSION	Effective 1-1-65
FILE			
U.S.G.S.			5a. Indicate Type of Lease
LAND OFFICE			State X Fee
OPERATOR			5. State OII & Gas Lease No. NM 384
<u> </u>		,	NII 304
SUN (DO NOT USE THIS FORM FOR	IDRY NOTICES AND REP	PORTS ON WELLS PEN OR PLUG BACK TO A DIFFERENT RESERVOIR101) FOR SUCH PROPOSALS.)	
	ICATION FOR PERMIT -" (FORM C	-101) FOR SUCH PROPOSALS.)	
1. 01L GAS GAS			7. Unit Agreement Name
WELL A WELL	OTHER-		
2. Name of Operator			8. Farm or Lease Name
	thon Oil Company		Warn State A/C 2
3. Address of Operator			9. Well No.
	Box 220, Hobbs, Nev	w Mexico 88240	14
4. Location of Well			10. Field and Pool, or Wildcat
UNIT LETTER	1660 FEET FROM THE	North Line AND 380	Vacuum Glorieta
THE West LINE. SI	ECTION 6 TOWNS	18S RANGE 35E	NMPM. (())
	15. Elevation (S	Show whether DF, RT, GR, etc.)	12. County
	398	1' RKB	Lea
16. Chec	ck Appropriate Boy To	Indicate Nature of Notice, Report	or Other Data
	EN Appropriate DOX TO . F INTENTION TO:		
NOTICE OF	FINTENTION TO:	SUBSE	QUENT REPORT OF:
			<u> </u>
PERFORM REMEDIAL WORK	PLUG AND A	<del>-</del>	ALTERING CASING
TEMPORARILY ABANDON		COMMENCE DRILLING OPNS.	PLUG AND ABANDONMENT
PULL OR ALTER CASING	CHANGE PL	ANS CASING TEST AND CEMENT JOB	treat Glorieta zone 🛛 🗓
		OTHER REPETT: and	treat Glorieta zone x
OTHER			
17. Describe Proposed or Complete	ed Operations (Clearly state all	pertinent details, and give pertinent dates, i	ncluding estimated date of starting any proposed
work) SEE RULE 1103.	<b>.</b>	, , , , , , , , , , , , , , , , ,	, , , , , , , , , , , , , , , , , , , ,
		•	
TD 6250	)', PBTD 6220'. Pu	lled sucker rods and downho	ole pump; installed
blow-out pre	eventers, then pull	ed tubing and anchor. Ran	Welex collar log
and then per	forated upper sect	ion of Glorieta from 5951'	to 5961' with one
iet shot per	foot (11 holes).	Set Halliburton bridge plu	ig at 5990 <b>', a</b> nd
		to 2000#; held O.K. Releas	
		with 50-50 brine, breaking	
at 5951' to	5961' at 4200#. T	reated perforations with 20	000 gallons 15% spear-
head acid u	using 15 RCN hall s	ealers, maximum pressure 39	050# minimum pressure
1000# avers	age rate 3 3 RPM	ISIP 1800#; after 5 minutes	s 1300#.
1900 ₁ , avera	ige race 3.3 brii.	Ibil 1000", dilbi 5 mindol	
Now not	tential test on 2-2	7-70, flowed 110 BO, 20 BW	in 24 hrs., 120# TP.
-	noke, GOR 671:1.	, ,0, 110 med 110 20, 20 2	
OH 24/04 CI	loke, Gok 0/1.1.	•	
18. I hereby certify that the informa	ation above is true and complete	e to the best of my knowledge and belief.	
	is the and complete		
O willows		al' Amer Comp	2-28-70
signed flu young a		TITLE acting Area Supt.	DATE
	10.		
7. 11.	V///// _	OH a	1300 0000
APPROVED BY Jestic /	1. Clements	THE CHEST STEELS	DATE
/		¥ 11.61€	

	7		
NO. OF COPIES RECEIVED	-		Form C-103 Supersedes Old
DISTRIBUTION	_		C-102 and C-103
SANTA FE	NEW MEXICO OIL CONS	ERVATION COMMISSION	Effective 1-1-65
FILE			
U.S.G.S.		•	5a. Indicate Type of Lease
LAND OFFICE			State X Fee
OPERATOR			5. State Oil & Gas Lease No. NM 384
CHAID	DV NOTICES AND REPORTS ON	WELLC	mmmmm/
(DO NOT USE THIS FORM FOR PEUSE "APPLICA	RY NOTICES AND REPORTS ON ROPOSALS TO DRILL OR TO DEEPEN OR PLUG B	WELLS ACK TO A DIFFERENT RESERVOIR. CH PROPOSALS.)	
OIL X GAS WELL	OTHER-		7. Unit Agreement Name
2. Name of Operator			8. Farm or Lease Name
Marathon Oil C	ompany		Warn State A/C 2
3. Address of Operator			9. Well No.
P.O. Box 2409,	Hobbs, New Mexico 88240		14
4. Location of Well			10. Field and Pool, or Wildcat
UNIT LETTER E	1660 FEET FROM THE North	380	Vacuum Glorieta
UNIT CETTER,	FEET FROM THE	LINE AND FEET FRO	
West	18S	35E	
THE CINE, SECT	TOWNSHIP	RANGE JJL NMPN	
	15. Elevation (Show whether	DF, RT, GR, etc.)	12. County
	3981' KDB		Lea
16. Check	Appropriate Box To Indicate N	lature of Notice Paper of O	
	INTENTION TO:	_	IT REPORT OF:
			·
PERFORM REMEDIAL WORK	PLUG AND ABANDON	REMEDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON		COMMENCE DRILLING OPNS.	PLUG AND ABANDONMENT
PULL OR ALTER CASING	CHANGE PLANS	CASING TEST AND CEMENT JOB	
		OTHER Selectively perf	. & treat additional x
OTHER		Glorieta interva	t.L.
	(6)		
work) SEE RULE 1 103.	Operations (Clearly state all pertinent deta	atis, and give pertinent dates, includin	g estimated date of starting any proposed
TD 62501 D	PTD 62201 Pareferrated 5	1/20	
	BTD 6220'. Perforated 5-		
	60, 6062–6064, 6070–6072,		
	/1 JSPF (54 holes). Trea		123' With
5000 gais. 20% a	cid and 95 - 7/8" ball se	eaters.	
D 11/0	D1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2/ h P	.1 9.1
was producing 12	Bbls. oil and trace water BOPD.	r in 24 nrs. Prior to w	orkover well
·			
•		>	
18. I hereby certify that the information	on above is true and complete to the best	of my knowledge and belief.	
		<del>-</del>	·
A Kli	A-	rea Superintendent	DATE 8-30-73
SIGNED /	TITLE AT	ea superincendent	DATE 0-3U-/3

STP 1 1977

Joe D. Ramey Dist. I, Supv. **LLEGIBLE** 

NEW MEXICO-OIL CONSERVATION COMMISSION

State Fr. Sow Mexico

WELL RECORD

Ling Oil convertion millianous at Secret Linguistic specific particular properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and properties and propertie

prientent in the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the

To 2 from the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the stat

OV. In Acre Lay College

SULLA KIND OF CUT & FIELED PERFORATED PURPOSE THREADS PER INCH WEIGHT PER FOOT FROM MAKE AMOUNT SHOE SIZE 142ro A SA SER 9-5/B-00 chester Balliburton 24 10 88 4099 7" OD

SIZE OF	CASING	WHERE	- W.T.	THE	W				No.			3
				and the same	5	to Law	en6 14	. Pas	1104			
	97		***		<b>EXP</b>				J		4 10	
				4	14.1					T. Feer		
0	N 50 18						1	AL!				1
	, <b>.</b>		in the second	P	LUGS AN	DADAPTE		646 846		CHOY		
Heaving	plug—M	aterial		No. of	Steps it.		. 1		pth Set	5	3.44	
Adapters	Materi	al	- 31.		Lago in	<b>34</b> ,		44	24	2005		
		14	RECORD	OF SH	OTING C	OR CHEMIC	AL TE	REATMEN	T	**		4444
* (s) **.	<del></del>			THE WAR	100 E	* 9**** 		13 14 15	(*************************************	206		
SIZE	SHEL	L USED	CHEMICA	VE OR L USED	OTANT.	ITY 'ADA'	rr 🐴	OR TREA	HOT ATED	DEPTH C	LEANED OU	IT THE
500 gs	,		A NATU	THE IT	1800		7		4552	N. P. SE		-cent
, , , , , , , , , , , , , , , , , , ,		ą	7.00		C MIN							_DOST
		- cara	****	der is	ny prob		MAT.		THE PARTY	-	1 3 6 3	THO
Regulte	of shootis	e or che	mical treat		10 PA 14						de inte	
ireanina (					SWE	3.7.3		The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s		W/ 01	10 1	144
3.0				<b>FEB.</b>			V. Territoria	<b>46</b> /14		100	20 1	106
		19.00	5 MIT 40	No OF		THE STATE OF	484	THE STATE OF		* 1		DOL'T
	16				1	a at d' V	mate.	40 Y/4	A Ref	sheet and a	1.3	W 20
ir arili-8	tem or ou	ner specu	al tests or (	e Tour	MET TO	are made, a	Dault F	eport on s	epara te	sneet and a	ttach here	<b>FF97</b>
	÷', 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4,		<b>5</b> 0,	1	1, 200	A USED				HM		* 0.5
Rotary 1	cools wer	e used fr	om 💆	* 1 T 100		reet	and fi	rom		eet uCTT	* * * * * *	eet Link
Cable to	ols were	used fr	OM 344	4		a reet	and fi	rom	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	eet to	1	eet 🥳 🖫
			11.2		Ro	dy tario			H	A PUNT		PAG N
Put to p	roducing						417		VI-1	S. MAL		V TT2
The prod	luction of	the first	hours w		35 121	40.768 of	tiald of	Which		% was oil;	• 1	· 90°
emulsion	; <del>_</del>	<b>%</b> ^	water; a	1977	491	dinent V G	avity,	Be		<b>S</b> AY		(C)
If gas w	ell, cu, ft	. per 24 b	OUTS	D-40 24	4	Terlete e	soline	рег 1.350	cu. ft. o	gas Kall		-120
Rock pro	essure, lb	s. per sq.	in. <b>760</b>						**	<b>6</b> 77		
		e [*] je dig _e t G			A PART	OVER			H	1700		
					W 18	ar 141				130		
				-	J +4+		14-75		0 21	o o cit	Drill	
	<u> </u>		*#1	MEG EN			¥ 7		# V 3	54.	, Dril	11 <b>0</b> C
				FORMAT	TON REC	ORD ON O	CHER S	SIDE			d .	
¥ I hereby	swear o	r affirm (	that the inf	ormation	<b>B</b> iven her	ewith is	complet	e and cor	rect rec	ord of the	well and	all Ci
work do	ne on it	so far ás				ble records.				<b>\$1</b> 5		8
***				ande da	عدا سد د د د	2 W.			7		1 June	t.
Subscrib	ed and s	worn to h	efore me th		<b>P</b> A3.4	S 114	Tre.	Tour		January Dal	<b>9, 197</b>	10
Y.		<u>,</u>		atm in a	A COL	make to Newscare		2	en.	a do	· 2	
day of	Jam	77	<del></del>		. 19 <b>.39</b> _	I. Name		7	THE STATE OF	7	100	<del></del>
<u></u>	$\rightarrow$	CSer	qual			Positio	Die	trict g	tot (	leek	6 1	
$I_{\lambda_1}^{\lambda_1} = \overline{I_{\lambda_1}}$		1/	Notar	y Public		Repres	enting_	BÜ	lju P	trelam	Centerry	<u>L</u> 🖖
∴ My Com	<b>m</b> issio <b>n</b> e	<b>∉</b> xpires	6-1	37		and the second second	ا ا	Comp	any or O	perator	1	
				. /			g	1300	# B17 .		. Terms	e .an

#### STATE-OF NEW MEXICO JERGY AND MINIERALS DEPARTMENT

ing or corner without	Ī	
DISTRIBUTION		Ī
SANTA FE		
FILE		1
U.S.G.S.		1
LAND OFFICE		

### OIL CONSERVATION DIVISION

Fo	ro	C	• 1	1	3		
Re	٧1	s e	5	:	5.	- 1 -	

DISTRIC			Form C-103
BANTA FE		P. O. BOX 2088	Revised 10-1-
FILE	SANTA F	E. NEW MEXICO 87501	
			Sa. Indicate Type of Lease
U.S.G.S.			State X Fee
DECHATOR			5. State Oil & Gas Lease No.
	ART NO	20 025 02221	B-2317
		30-025-02221	THE THE THE THE
100 HOT U	SUNDRY NOTICES AND REPO THIS COMMON TO PROPUSALS TO DELLE ON TO DEEPER ON THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE	RTS ON WELLS  OF FLUG BACK TO A DIFFERENT RESERVOIR.  11) FOR EUCH PROPOSALS.)	
		odox location approved per	7, Unit Agreement Name
	WELL OTHER NMOCD	Order NSL-1734	
iome of Operate	7		E. Fam or Lease Name
Phi	llips Petroleum Company		M. E. Hale
ddress of Oper			9. Well No.
		m 70760	3
	401, 4001 Penbrook St., Odessa,	Tx. 79762	<u> </u>
occision of Wel	1		10. Field and Pool, or Widcol
	P . 660 FEET FROM THE	South LINE AND 660 PEET FRE	Vacuum Gb/SA
		•	
Ea	ST LINE, SECTION 35 TOWNSHIP	17-S 34-E	
THE	CINE, SECTION TOWNSHIP	TI DE RANCE - 37 DE NAP	- (
m	Charging (Sha	w whether DF, RT, GR, etc.)	12. County
	(	w whether or, no, on, every	Lea
	4088.2'GR		rea //////
RFBEW REMEDIA MPGRARILT ABAI LL DO ALTER CA		COMMENCE DRILLING OPHS.	ALTERING CASING  PLUE AND ARANDONMENT [ Repaired
LL OM ALTER CA	CHARLE PLANT	!	csg leak)
		OTHER	_ <del></del>
07×C*		<b>∪</b>	
	psed or Completed Operations (Clearly state all pe	viscos despile and nive particul datas includi	as serious date of sension and proper
work) SEE RU		tinent cetairs, and give periment soits, include	ng crimates date of realities any proposi
•	MI & RU DDU. COOH w/rods & pmp	. Installed BOP. COOH w/ 2-7/	8" tbg. Ran SLM PBTD
4-3-85:	4542'. WIH w/tbg, RBP & PKR. So Leak isolated @ 2630±'. Press' WIH w/pkr to 3300', tst'd pkr, hole in 7" csg @ approx. 3 gals 4JSPF @ 2645'. WIH w/pkr & set in rate of 2BPM @ 300#. COOH w	d csg to 1500#, leaking 250# pe tbg & csg to 1000#, OK. Reset p per min @ 1700#. COOH w/pkr. @ 1000'. Tried to pmp into pe	er min. okr @ 2600'. Pmpd into Perf'd w/4" OD gun
4-4-85:		d perfs @ 2645'. Pmpd 500 sx H mt did not circ. Closed surfac	
4-5-85:	Tagged cmt @ 2550'. Drld out cm OK. COOH w/tbg bit & collars.		
4-6-85:		@ 1495'. WIH w/7" ret & set @	
4-7- &		:	
	Crew Off	, i	
4-9-85:	Drld to 1500'. Tst'd csg to 50		ars. WIH w/tbg & RBP
4-10-85:	tool. Circ sand off of RBP. Cow WIH $w/2-7/8$ " tbg & anchor. Ran		
	22 27 27 228 3 31311311 11011	<b>;</b> ,	0.13
/_	that the information above is true and complete to	See Reve	erse Side
: 1	y that the information above is true and complete to	MAY O O TORK	
VV V	$\mathcal{I}_{+}$ $I$ $I$ $I$ $I$ $I$	MICHAEL S. LAKA	

## STATE OF NEW MEXICO

ENGT AND MINERA	ILS DEPARTM	
(	ives	7
DISTRIBUTIO	N N	
SANTA PE		
FILE .		
U.S.O.S.		]
LAND OFFICE		

DISTRICT I SUPERVISOR

<u> </u>	RIBUTION	Р. О. ВС	X 2088		Form C-103 Revised 10-1-7
SANTA PI	Z	SANTA FE, NEV	V MEXICO 87501		REVISED (D-1-7)
FILE.			•	Sa. Indicate Type of	Lease
U.S.O.S.	FICE	-		State XX	Fee 🗌
OPERATO		j		5. State Oil & Gas 1 B-2317	eose No.
		API N	lo. 30-025-02221	B-2317	<i></i>
100 HO1	USE THIS FORM FOR PRO	RY NOTICES AND REPORTS ON PROBALS TO DRILL ON TO DEEPEN ON PLUG TON PERMIT —" IFORM E-101) FOR SU	BACK TO A DIFFERENT RESERVOIR.		
i.	649			7. Unit Agreement N	łame
WELL KX	WELL L	OTHER-		8, Form or Lease H	ame .
	hillips Petrol	eum Company		M. E. Hale	
3. Address of Op				9. Well No.	<del></del>
R	oom 401, 4001 1	Penbrook St., Odessa, TX	79762 ·	3	
4. Location of W	/eli	<del></del>		10. Field and Pool,	or Wildcat
UMIT LETTER	Р	660 FEET FROM THE South	LINE AND 660	Vacuum GB/S	A
<b>5</b>	East		•		
THE	Edst. LINE, SECTION	35 17-5	RANGE34-E	_ nuon. (////////////////////////////////////	
mmm	mmm	15. Elevation (Show whethe	DE PT CR esc.	12. County	
		4088.2 GR	Dr, Kr, OK, ELL.)	1 _ 1	
7777777		7////		Lea	
		Appropriate Box To Indicate	· .		
	NOTICE OF I	NTENTION TO:	20825	EQUENT REPORT OF:	
PERFORM REMED	wors	PLUE AND ABANDON	REMEDIAL WORK	ALTERING	CASING
TEMPORARILY AS	i i i		COMMENCE DRILLING OPHS.		ABANDONMENT
PULL OR ALTER		CHANGE PLANS	CABING TEST AND CEMENT JOS		<del></del>
	_	<u> </u>	Treat for s	salt precipitation &	scale; x
OTHER			deepen and	acidize	
12 Financia Pr	opped or Completed Or	perations (Clearly state all pertinent de	lails, and rive pertinent dates.	including estimated date of sta	rtine any propose
work) SEE		, , , , , , , , , , , , , , , , , , , ,			
8-5-85	MT RII double	e derrick unit. COOH w/r	ada Cala		
8-6-85	Tagged bottom	@ 4554', drilled out to	/5801		
8-7-85	Clean out to	4677'. Drilled out to 4	721' Spotted 1000 s	221c 107 V-1/009	7
	15% NEFE HC1	acid mixture containing	dispersant and corre	sion inhihitor	% <del>-</del>
	across open h	nole section from 4099'-4	721'. Swabbed 3 hrs	s. recovered 55 bbls	s. wtr &
	acid Xylene m	nixture. Loaded tbg/csg	annulus w/FW to test	to 500 nsi.	
	Acidized open	hole from 4099'-4721' w	/2000 gals. 15% NEFE	HCl acid. WIH $w/2$	2 7/8"
8-14-85	Dumped 14 has	001'. Ran 2½"x2"x22' pum	P -		
	•	s, no gauge on productions, 138 BO, 163 BW, 55 MCF	•		
8-16-85	Pumped 24 hrs	s, 100 BO, 130 BW, 53 MCF	G.		•
		s, 66 BO, 114 BW, 61 MCFG	G .		•
8-18-85	Pumping - no	gauge on production.	•		
8-19-85	Pumped 24 hrs	. No gauge on production	n		
	•	No gauge on production	u •		
8-21-85	Pumped 24 hrs	87 BO, 84 BW, 53 MCFG			
	Workover comp	lete. Drop from report.	•		
•				•	•
()					
18. I hereby com	ify that the information	above is true and complete to the best	of my knowledge and belief.		
Salla	1 11 .				
ingaco	Joseph	W.J. Mueller	Sr. Engineering Spec	ialist DATE 8-26-	.85
-11/6		IPPDV CEVTON		AUG 3	0 1985
U/ OR	HIGHAL SIGNED BY	JERKY DEXIUM		7040	0 1000

	_				
MANA SH OF CO	DISTRIBUT			NEW MEXICO OIL CONSERVATION COMMISSI	ON (Form C-104)
SANTA FF					Revised 7/1/57
FILE U.S.6.5.		<del></del>	1		
LAND OFFICE	;			REQUEST, FOR (OIL) - //C/AS/ ALLOWAR	LE.
THANSPORTER	OIL			nuses_gr	FICENCA
PRORATION DI		1			New Well
OPERATOR F				' L APR IS IN	23 M 'Sil
This	form s	shall be	submitted t	by the operator before an initial allowable will be assigned to any comple	red Off br the well
Form C-1	04 is t	to be sub	mitted in C	QUADRUPLICATE to the same District Office to which Form C-101	was sent. The allow-
				A.M. on date of completion or recompletion, provided this form is fi	
month of	comr	oletion o	r recomple	tio: The completion date shall be that date in the case of an oil well	when now oil is delin
				st be reported on 15.025 psia at 60° Fahrenheit.	when now on 13 denv.
*****				Hobbs, New Mexico A	ned 1 15 1064
				(Place)	
				•	(Date)
			•	NG AN ALLOWABLE FOR A WELL KNOWN AS:	
Phillip	s Pe	troleu	m Compan	Well No. 5 in SE	14 <b>SE</b> 14
(	Compa	лу от Оре	erator)	(Lease)	,
P		Sec	35	T 175 , R 34E , NMPM., Undesi	gnated Pool
Valt	Letter	, 500.	*****************		Fool
		Le	4	County. Date Spudded 1=27-64 Date Drilling Completes	3-11-64
	• • • • • • • • •			Elevation 4008 GL Total Depth 10400 P	99931
Pl	ease ir	ndicate k	ocation:		
			T .	Top Oil/Gas Pay 9546! Name of Prod. Form. Wolfcam	p
D	C	B	A	PRODUCING INTERVAL -	
		+ -	+	Perforations 9546 - 9604†	
E	F	G	H	<u>peptil</u> <u>peptil</u>	
i			1 1	Open HoleCasing ShoeTub	ing
+		<del>                                     </del>	<del>                                     </del>	OIL WELL TEST -	
L	K	J	I		Choke
1				Natural Prod. Test:bbls.oil,bbls water in}	nrs,min. Size
				Test After Acid or Fracture Treatment (after recovery of volume of oil	
M	N	0	P	load oil used): 86 bbls,oil, 9 bbls water in 24 hrs,	O min Sing 1/L
		1	Z	Toda oli asea)	miu. 2156 -4-4
		<u> </u>		GAS WELL TEST -	
5601	FEL.	6601	FSL	NA A DA A TANA	
	(F00	TAGE)		Natural Prod. Test: MCF/Day; Hours flowed Ch	noke Size
Tubing ,	lesing	and Come	nting Recor	Method of Testing (pitot, back pressure, etc.):	
Size		Feet	Sax		
	<del>-,-</del>	<del></del>		Test After Acid or Fracture Treatment: MCF/Day; Ho	
13-3/	8	320	350	Choke Size Method of Testing:	
	<del>-</del> -				
9-5/	/8	3520	400	Acid or Fracture Treatment (Give amounts of materials used, such as ac sand): Total 4500 gallons: two stages	id, water, oil, and
1-31				sand): TOTAL 4000 gallons; two stages	
1 , , ,	/2   ·	02 50	/ 7807		
4-1/	4   1	0359	( 1521	Press. Press. oil run to tanks APTIL 13, 19	04
	/_	(1.55	<u> </u>	Oil Transporter The Permian Corporation	
2-7/	8	6428	K	OII II ansporter	<del></del>
L				Gas Transporter Phillips Petroleum Company	
Remarke	•				
				• • •	
	•••••	······	•••••		
					***************************************
				ormation given above is true and complete to the best of my knowledge.	
ı ne	reby C	ertily 'A	at the inic	Philling Patrolaum Company	· <b>7</b>
Approved	ł	••••••	الهاست بهدائها	Phillips Petroleum Company (Company or Operator)	
		í.	10 38 🚣 V	(Company or Operator)	)

OIL CONSERVATION COMMISSION

(Signature)

Title Send Communications regarding well to:
Name Phillips Petroleum Company

D11	TRIBUTI	ON ·		
JANTA FF		1:		, ,
FILE		7		1 =
U.8.6.8.		1		
LAND OFFICE				
TRANSPORTER	OIL			
-	GAS	ł	~	1
PRORATION OFFI				
OPERATOR		1		

## NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe. New Mexico

(Form C-104) Revised 7/1/57

REQUEST FOR (OIL) - (FAS) ALLOWAPLE OF FICE O. C. New Well

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar

						shall be that date at 60° Fahrenhe		n oil well when	new oil is deliv-
				•		Hobbs, Net		Apı	-11 20, 1964
T 40	. F. 11	EDEBY D	FOURTU	NC AN ALLO	14/4 DI E EC	(Place)	1011/21 46		(Date)
			-			OK A WELL KN		. 619	. 69
	(Com	ipany or Ot	perator)		(Lease)	, Well No.			
	P n Lett	, Sec	35	., т. 178	, R34E	, NMPM.,	Undesignat	ed (Vac	Pool
-						1-27-64		_	·
		indicate		Elevation	40081	GLTotal	Depth 10400	PBTD	99931
						Name			
D	١٩	;   B	A	PRODUCING INT	ERVAL -				•
	<u> </u>			Perforations	•	6069 - 60791			
E	l	'   G	H	Open Hole		Depth Casir	ng Shoe	Depth Tubing	60781
				OIL WELL TEST			-		
L	B	J	I		•	bbls.oil,	hhle water	in her	Choke
	İ					re Treatment (afte			<del>-</del>
M	N	0	P			obls,oil, 72		•	
	Ì	}	*	GAS WELL TEST					
5601	PRI	6601	FSL		•	1-			
	(F	OUTAGE)	enting Recor			MCF/0			
	, <del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>	Feet	SAX			back pressure, et			
						re Treatment:			
13-	3/8	320	350	Choke Size	Metho	d of Testing:			
.9.	5/8	3520	400	Acid or Fracti sand): Acidi	ure Treatment	[Give amounts of gallons	materials used, acid	such as acid, w	water, oil, and
4-	1/2	10359	( 1521			Date first oil run to			
2	7/8	6428	1	Oil Transport	er The	Permian Corpo	ration	<del></del>	
			<u> </u>	Gas Transport	er Phil	lips Petrole	TR Co.		
emari			•••••••••••••••••••••••••••••••••••••••						•••••
	I	hal con	pletion	Order MC-L	¥73				
	• • • • • • • • • • • • • • • • • • • •	••••••••••							
Ił	ereby	certify 1.	nat the info	rmation given a	above is true	and complete to	the best of my l	inowledge.	
pprov	ed		<u> </u>	<u> </u>	, 19	Phill	Company o	r Operator)	
	011	Acres	D111 MION	001 (1 (1 CC) (0)	<b>N</b> T	÷ ,//.	6/00	1 Tous	
	OII	/CUNSE	KVATION	COMMISSIO	N	By:	(Signa	Lture)	
Z	//					Title	ce Manager	·····	
itle						Send	d Communication  lips Petrole	ns regarding we rum Co.	ell to: 
						Box	2130 - Hobb	s, N.M.	

·			
DISTRIBUTION SANTA FE	NEW MEXICO OIL CONSERVA	ATION COMMISSION	Form C-103 Supersedes Old C-102 and C-103 Effective 1-1-65
FILE			
U.S.G.S.			5a. Indicate Type of Lease
LAND OFFICE			State X Fee 5. State Oil & Gas Lease No.
OPERATOR			B-2317
SUNDRY  (DO NOT USE THIS FORM FOR PROPOUSE "APPLICATION	NOTICES AND REPORTS ON WELLS TO DRILL OR TO DEEPEN OR PLUG BACK TO FOR PERMIT -" (FORM C-101) FOR SUCH PROP	LS ) A DIFFERENT RESERVOIR.	
i. OIL 👽 GAS			7. Unit Agreement Name
2. Name of Operator	OTHER-		8. Farm or Lease Name
Phillips Petroleum Co	mpany		M. E. Hale
3. Address of Operator	3 A1 B B B B B B B B B B B B B B B B B B		9. Well No.
Room B-2, Phillips Bl	dg., Odessa, Texas 79760		8
4. Location of Well			10. Field and Pool, or Wildcat
UNIT LETTER	60 FEET FROM THE SAST LI	NE AND 660 FEET FROM	Vacuum Wolfcamo
THE SOUTH LINE, SECTION	35 TOWNSHIP 17-S	RANGE 34-B NMPM.	
	15. Elevation (Show whether DF, R	T, GR, etc.)	12. County
	4008' Gr.		Les
Check Ap NOTICE OF INT	opropriate Box To Indicate Nature ENTION TO:	•	ner Data r report of:
PERFORM REMEDIAL WORK	PLUG AND ABANDON REMI	EDIAL WORK	ALTERING CASING
TEMPORARILY ABANDON	сомі	MENCE DRILLING OPNS.	PLUG AND ABANDONMENT
PULL OR ALTER CASING	CHANGE PLANS CASI	NG TEST AND CEMENT JOB	A second second
	0	THER	·
OTHER			
17. Describe Proposed or Completed Oper work) SEE RULE 1 103.	ations (Clearly state all pertinent details, a	nd give pertinent dates, including	estimated date of starting any propose
•		_	
Set Howco cement reta	iner in 4-1/2" csg at 9289	f: Tested the w/200	O#, OK. Displaced csg
and the w/122 Bw, tes	ted csg w/2000#, OK. Howe	o introduced 200 ex	Class "H" cmt. squeezed
165 sx below retainer	and left 35 sx in casing	above retainer. Max	press 1400#, holding

Set Howco cement retainer in 4-1/2" csg at 9289": Tested tbg w/2000#, OK. Displaced csg and tbg w/122 BW, tested csg w/2000#, OK. Howco introduced 200 sx Class "H" cmt, squeezed 165 sx below retainer and left 35 sx in casing above retainer. Max press 1400#, holding pressure 800#. Raised tbg to 8810", spotted 30 bbls mud laden fluid. Raised tbg to 6831", Howco spotted 50 sx Class"H"cmt. Raised tbg to 6031", reversed 4 sx cement and circulated hole clean. TOC at 6040". Wolfcamp some and perforations 9546-9945" permanently abandoned.

18. I hereby certify that the information above is true and comple	ete to the b			
SIGNED & Strenger	TITLE	Reservoir Engineer DATE	7-8-71	<u> </u>
APPROVED BY	TITLE	SUPERVISOR DISTRICTION.	JUL 12 19	71
CONDITIONS OF APPROVAL, IF ANY				

NO. OF COPIES RECEIVE					•					
DISTRIBUTION	· <del>-</del>								Form C-1 Revised	
SANTA FE	<del>-   -   -  </del>							<b>F</b> 3	a. Indicate 7	Type of Lease
FILE	<del></del>		MEXICO OIL					- 1	State X	
U.S.G.S.		LL COMPLE	ETION OR I	KECC	MPLEIIU	אאוי	EPORT AND L	06		Gas Lease No.
LAND OFFICE								!	B-2317	•
OPERATOR								<u> </u>	THITT.	
<u> </u>								8		
la. TYPE OF WELL							<u> </u>		7. Unit Agree	ment Name
	OIL WELL	X GAS	DR:	٠ 🔲	OTHER_			L		
b. TYPE OF COMPLE					_			_	8. Farm or Le	
WELL OVE		BACK	X DIFF.	<u>. [ X ]</u>	OTHER			‡		
2. Name of Operator									9. Well No. 8	
Phillips Pet  3. Address of Operator	roleum Compa	ny					<del></del>		_	Pool, or Wildcat
			т.	. 7	10761			ł	vacuum	l .
Room 711, Phi	TITIDS BUILD	ing, odes	sa, lexa	5 (	7/01		<del></del>	-	Grayou	rg/San Andres
UNIT LETTER P	1000750 56	0	e:	ast	Live AND	66	60	[		
ONIT LETTER		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ROM THE	<u> </u>	TITTI	$\tilde{m}$	TITITITIES		12. County	<del>./////////////////////////////////</del>
THE SOUTH LINE OF	sec 35 rws	17 <b>-</b> S •	- 34-E	NMOM			IXIIIIII		Lea	
15. Date Spudded	16. Date T.D. Rea	ched 17. Date	Compl. (Read	y to P	rod.) 18.1	Elevo	tions (DF, RKB, F	T, GR		lev. Cashinghead
10-12-72	10-13-72	10-	13-72		40	800	' Gr.		•	
20. Total Depth /64281	21. Plug E	Back T.D.	22. If M	fultiple	e Compl., Ho	w	23. Intervals , I Drilled By ;	Rotary	Tools	Cable Tools
10,500' (csg.	seat) 501		İ	'*Tw	ro (2)_			0-10	500'	
24. Producing Interval(s			n, Name						25	. Was Directional Survey
Grayburg/San		•								
		ttom 5670	· · · · · · · · · · · · · · · · · · ·							·no
26. Type Electric and O		Vinifon	and anlie	<b>50</b>	Commo I	٥ م	Mout non		27. Wa	s Well Cored
GR Acoustic,	rocused and									no
28.			SING RECORD			sset				
CASING SIZE	WEIGHT LB./F		————		E SIZE	150	CEMENTING		RD	AMOUNT PULLED
13 <b>–</b> 3/8" 9–5/8"	48# 32#		20'			_	sx, circulat			05001)
**4-1/2"	10.5#, 11.					1/31	Sx, Temp s	TLAG	V 100 W	Sloset)
2-7/8"	6.5#		28'	-21.4	<u> </u>	(+)	235sx Incor	1.09(D)	0, <u>)40 5x</u> D&250ex	reg. Temp)
29.		ER RECORD	<u> </u>				30.	<u>40,0υ</u> Τι	BING RECO	Rd surv.TOC 220
SIZE	TOP	воттом	SACKS CEM	ENT	SCREEN		SIZE		TH SET	PACKER SET
31. Perforation Record (	Interval, size and n	umber)			32.	ACI	D, SHOT, FRACTU	JRE, C	EMENT SOU	EEZE, ETC.
4639-49', 10					DEPTH	INT	ERVAL	AMOUN	T AND KINE	MATERIAL USED
4660-70', 10	', 2 holes/f	t w/3/16"	jet		4639-4	£670	0!	500	gals 28%	
Total 20	' 40 holes				ļ					<u> </u>
10001 20	, 40 110103.				ļ					
		<del></del>			1					· · · · · · · · · · · · · · · · · · ·
33.  Date First Production	Decduct	on Method (Flo			UCTION	d ter	e numni		Well Status	(Prod. or Shut-in)
10-14-72	1	t pump 2-					e pamp)		ĺ .	
Date of Test	Hours Tested	Choke Size	Prod'n. Fo		Oil - Bbl.		Gas — MCF	Water	Produ	Gas - Oil Ratio
11-1-72	24		Test Perio		81		79.2		20	978
Flow Tubing Press.	Casing Pressure	Calculated 24	4- Oil - Bbl.		Gas - 1	MCF.	Water — E	3bl.		Gravity - API (Corr.)
		Hour Rate				-				37.2
34. Disposition of Gas (	Sold, used for fuel,	vented, etc.)						Test	Witnessed By	
Sold								E	. T. Mil	lhollon
35. List of Attachments		<del></del>	·····		. —					
<b></b>										
36. I hereby certify that	the information sho	un on both side	s of this form	is tru	e and comple	te w	the best of my kno	wledg	e and belief.	
★ huā→ casınt	g string dua	r comblet	10n. 2-7	//8"	string	r B	ra Sata, or	1 0-	5U-7±, T	emp abandoned.



				•			
N . OF COPIES BECEIVED		•			Form C-193		
DISTRIBUTION			:		Supersedes	Old	
SANTA FE	NE)	א הבאוכט טוו כטאג	ERVATION COMMISSION		C-102 and C		
FILE		MEXICO OIL CONS	EKTATION COMMISSION		Effective [-]	-65	
U.S.G.S.			•	ſ	5a. Indicate Typ	e of Lease	
LAND OFFICE	<del></del>				State X		🗆
OPERATOR	-+			}	5. State Oil & G		
O. ERATOR						2317	1
	SUMPRY MOTICES	LUD OFFICER ON	WELLS		rimmi	min	m
(DO NOT USE THIS FORM USE **A	FOR PROPOSALS TO DRILL APPLICATION FOR PERMIT -	OR TO DEEPEN OF PLUG B	WELLS ACK TO A DIFFERENT RESERVOIS H PROPOSALS.)	٠. {			11111
1.					7. Unit Agreeme	nt Name	
WELL X WELL	OTHER+						l
2. Name of Operator					8. Farm of Leas	e Name	
Phillips Petrole	um Company				M. E. I	Hale	
3. Address of Operator					9. Weil No.		
4001 Penbrook, R	Room 401. Odessa	. Texas 7976	52		8		İ
4. Location of Well	·	,,	<del></del>		10. Field and P	ool, or Wildea	ıt
UNIT LETTER P	660	South	560		Vacuum (	Gb/San Ar	idres)
UNIT CEITER	_ , FEE:	FROM THE	LINE AND	FEET FROM	mmi	mm	YIII.
THE East CINE		: 17 <b>-</b> S	34-E				
	E, SECTION	FOWNSHIP	RANGE	NMPM.			//////
	15. E	levation (Show whether	DF, RT, GR, etc.)	_	12. County	11111	11111
			4021' RKB		Lea		VIIII.
16.	heck Appropriate I	Por To Indicate V					
	E OF INTENTION TO		ature of Notice, Repo	•			
NOTICE	2 OF INTENTION TO	<b>)</b> :	2082	EQUENT	REPORT OF	:	
PERFORM REMEDIAL WORK		PLUG AND ABANDON	REMEDIAL WORK	<u> </u>		RING CASING	님
TEMPORARILY ABANDON			COMMENCE DRILLING OPNS.	<u> </u>	PLUG	AND ABANDONM	IENT
PULL OR ALTER CASING		CHANGE PLANS	casing test and cement joint of the and add		tions	-	
OTHER			OTHER GGG	POLICIO			— Ш
OTHER							
17. Describe Proposed or Comp	pleted Operations (Clearl:	state all pertinent dete	ils, and give pertinent dates,	including e	estimated date of	starting any	proposed
work) SEE RULE 1103.							-
(7-11-78) RU We	<del>-</del>	· ·	_			÷	
			rope socket, lef				
——————————————————————————————————————			og, tstd plug 1000	#, OK.	Dowell spo	otted 500	) gal
10% acetic acid	•						
			to 3500'. Ran ra			n 2-7/8".	. Perf
			noles, 4560-4574 <mark>'</mark> ,				
<u>(7-14-78)</u> Ran 2	!-3/8" tbg set v	ı/Baker Model F	l pkr set 4522'.	Swbd 6	hrs, 18 B	√, 0 BO,	swbd
dry.							
<u>(7-15-78)</u> Dowel	ll trtd csg perf	is 4552-4585' d	ln tbg w/2600 gal	MSR-100	) w/20% HC	l acid, i	inj 1
ball sealer/bbl,	, 62 balls. Fls	sh w/25 BW 1 ga	1 F-75 surfacant.	Max 2	500#, min	1200#, 5	5 min
vac, 2 BPM. 62	BAW, 25 BW to 1	ec. Swbd 7 hr	s, 25 BFW, 36 BAW	7, 26 BI	to rec.		
(7-16-78) SD 24	hrs, crew off						
		BAW, all load 1	ecovered, 12 BO,	FL 3900	)' from sur	. Unsea	ated
pkr,COOH. Ran 2	2-3/8" tbg open	ended, SN @ 45	20', conn wellhea	d.			
(7-18-78) Swbd	7 hrs, 58 BLW,	swbd dry. Ran	BHP gauge in 4½"	\ & 2-7/	'8" csg sti	rings.	
(7-19-78) Pld B	3HP gauges from	412" & 2-7/8"	esg. BHP in $4\frac{1}{2}$ " of	sg 459#	[₽] & 490# iı	n 2-7/8"	
csg. Ran 1½" tb	og in 2-7/8" css	set open end	l @ 4670, seat nip	ple 466	9'. Ran	7/8", 3/4	411,
			pmp, seated pmp			•	•
	9				•		
BOP: Sep1es 900	ormation above :- tors	set blind ran	is, one set pipe r	ams, ma	inually ope	erated	<del></del> "
2 // Jacob Certify Boat the Init	/ /// crue an	a complete to the best of	,			±1.	
GM Ind	wille	-					070
SIGNED	nee-		ineering Advisor		DATE Ju.	ly 27, 19	1/8
	<del> </del>	reiler					
	Orig. Signed by				111	1 3 1 1	Q 7 <b>Q</b>
APPROVED AV	Janus K.				. 111		31 <b>0</b>

#### STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

TO CHAINING ONA TOR	CMI	INC
we. W Co-IES ACCEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
V.S.G.S.		
LAND OFFICE		
00004700		

" INDITIONS OF APPROVAL, IF ANY:

# OIL CONSERVATION DIVISION

* <del> </del> ~		<b>⊣</b>				
<u> </u>	ISTRIBUTION	→ ·	P. O. BO	X 2088		Form C-103 Revised 10-1-1
<b>}</b>	AFE	ᅴ	SANTA FE, NEW	/ MEXICO 87501		, Refrided 13-1-2
PILE		<b>⊣</b>	•		5a. Indicate	Type of Lease
U.S.0	i.s.	_			State X	• `
LANG	OFFICE	_  ·				
OPE	AATOR	_ \	20 005 00700		1	& Gas Lease No.
		API #	30-025-20780		B-2317	
(00	NOT USE THIS FORM FOR PA	ROPOSALS TO DRILL	AND REPORTS ON	BACA TO A DIFFERENT RESERVOIR.		
					7. Unit Agree	ement Name
Name of		OTHER-		· · · · · · · · · · · · · · · · · · ·	8. Form or L	ease Name
_	•	`			M. E.	
	lips Petroleum C	onipany			9. Well No.	11016
- ·	of Operator		TV 70760			
Koom	401, 4001 Penbr	ook, Udess	a, TX 79762		8	
. Location	lleW lo				10. Field and	d Pool, or Wildcat
	P 6	560	South	LINE AND 560	Vacuum	(GB/SA)
UNIT LI			FROM THE	LINE AND PEET	777777	anniinin
THE	East LINE, SECT	710H <u>35</u>	TOWNSHIP	34-E		
						7777777777
111177		15. 1	Elevation (Show whether	DF, RT, GR, etc.)	12. County	////////
		.////// 40°	21' RKB 4008'	GI	100	
11.	Chaple					
				Nature of Notice, Report of		
	NOTICE OF I	INTENTION T	0:	SUBSEQL	JENT REPORT	OF:
					_	_
PERFORM #	EMEDIAL WORK		PLUE AND ABANDON	REMEDIAL WORK		LTERING CASING
77M PGBAB II	LY ABANDON			COMMENCE DRILLING OPHS.	] .	LUE AND ABANDONMENT
	77		CHANGE PLANS	CASING TEST AND CEMENT JOB	1	
PULL OR AL	TER CASING		בייייייייייייייייייייייייייייייייייייי	OTHER Add SA perfs	, d.aaidi.a	_
				OTHER _AUU SA PETTS	_and_ac1012e	<del></del> L_
_ M3HT0		<del></del>	LJ			
		- (6)	1			
	e Proposed or Completed ( IEE RULE 1603.	)perations (Clear)	ly state all pertinent det	ails, and give pertinent dates, incl	uaing estimatea aate	e of starting any propose
		.0001	d- 0 6	hadb dubing sauture		
10-24-63	monument was C	OUR LD ro	as & pump from	both tubing strings.		
	Set BOP on 2-7/	8" casing.	COOH LD 1-1/	2" tubing.		
10-25-83	Tom Hansen perf	'd 4 1/2" ca	asing w/3 1/8"	casing guns @4 JSPF o	n spiral pha	sing:
	4360'-4370' (10	'-40 shots	): 4374'-4406'.	(32'-128 shots) 4417	י-4431' (141	-56 shots).
	4434'-4438' (4'	-16 shots)	///821-//041 /1	2'-48 shots) Total o	f 200 chotc	MTU/// 1/2#
					1 200 311015.	WID W/4 1/2
	REP & packer on	1 2-3/8" tui	oing to 4630°.	Set BP.		
10-26-83	Swabbed 4 hrs.	to clean u	p perfs, FL @20	100' rec. 48 BO, FL	would not dr	op below 2000'
				ing w/FW, could not l		
	in / 1/2" casin	g Spotto	d 740 gale of	15% Nefe HCL w/scale	inhihitan ?	ICT scort to
** =						
				ed 28 bbls acid, casi		
	packer @4820:	Loaded anni	ulus. Pumped l	3,324 gal acid in/1 R	CN 7/8" ball	sealer per
				gals FW. AIR 5 BPM,		
				er, flushed 4-1/2" an		
•						
	•	•	can packer w/ cu	bing set @4320' in 30	,000# compre	221011.
	Swabbed 2 hrs.,					
ı	(See reverse si	de) .	•			
BOP Equip	Series 900. 3	000# WP. de	ouble w/one set	pipe rams, one set b	lind rams, m	anually operate
• /	<b>\</b>					
.a. I hogeby	errilly that the informatio	n above is true as	na complete to the best	of my knowledge and belief.		
K.	//h/ 1/ 1/1.	. ·				
X	July Indly	J. M	weller Sr	Engineering Special:	ist ner No	vember 28, 198
	y program					
1//	ORIGINAL SIGNED	BY EDDIE SEAY	t e e e e e e e e e e e e e e e e e e e			
					NOV	V 3 0 1983
A	OIL & GAS	「バイントと「「	Un TITLE		BA481 <u></u>	<u> </u>

STATE OF NEV			•				•	Š.			orm C-105 evised 10-1-78	
ENERGY AND MINERAL	<del></del>	TMENT -	OIL (	CONSERV	ATION	טוע	ISION		[ <u>Sa</u>	Indice	gte Type of Lease	
DISTRIBUTION P. O. BOX 2088							State X Fee					
SANTA FE		+-	SAN	TA FE, NE	WMEXI	CO 87	7501				Oil & Gus Leuse No.	
FILE									1	B-231		
U.S.G.S.		WE	LL COMPLE	TION OR REC	COMPLET	TION R	EPORT.A	ND L	OG -	77777		$\overline{\tau}$
LAND OFFICE		1		#30-025-28						////		//
OPERATOR			*** 1				<del></del>		{	7777	greement Name	77,
IG. TYPE OF WELL					_ 0:	rder E	R-7103		1"	Unit A	greement lyame	
		01L WELL	GAS WELL	LJ DAYL	۰۰۰ اــ	En Wat	ter Inje	ctio	n			
b. TYPE OF COMPLE	TION	r	PEUG	C	<del>-</del> 7				3		or Lease Name	
WELL X OVE		occrent	BACK	L RESVA. L		CR					. Hale	
2. Name of Operator									1	Well N	v.	
Phillips Pet	roleur	1 Compa	ny							18		
). Address of Operator											and Pool, or Wildcat	
Rocm 401, 40	01 Per	brook	Street, Ode	essa, Texas	s 79762					San A	ım Grayburg Indres	
4. Location of Well												///
										////		$^{\prime\prime}$
UNIT LETTERI	LOCA	7ED14	10 PEET PR	OM THESO1	uth_ cine	AND	10	FEET P	NOM			II
						1111	IJIJŢ	III	1 12	. Count		11
THE east LINE OF										Lea		77,
15. Date Spudded	16. Date	. T.D. Rea	iched 17. Date	Compl. (Ready to	Prod.j	18. Eleve	ations $(DF,$	RKB, E	RT, GR,	eic.] 1	9. Elev. Cashinghead	
2-1-83		25-83	30-3	0-83	. 1	4003	3.8 GR,	4013	DF	1		
20. Total Depth		21. Plug E	Back T.D.	22. (I Multi Many	iple Compl.	How	23. Intervo		Rotery T	ocls	, Cable Tools	
4803 <b>'</b>	- 1	475	41	k.c			Drilled	<del>-&gt;</del> :		X	1	
Grayburg/San					1						25. Was Directional S Minde No	71.46
CNL-LDT-GR/C			GR, Dual I	nduction, S	SFL, BHO	Soni	ic. Corr	•		1 -	. Was Well Cored esReport atta	ch:
28.				ING RECORD (R.								
CASING SIZE	WEIG	HT LB./F	<del></del>		OLE SIZE	1	<del></del>	NTING	RECORE		AMOUNT PULL	ED.
13-3/8"		#, K-5.	<del></del>		17-1/2"							
	-   3 7 . 3	,,,		*	11-114		cd 170		<u> </u>	C 26 CaCI, 1/4#/SX F10		
8-5/8"	32#	K-55	3190	01	11"				00 025	C1 E	w/2% CaCl.Cir	
5-1/2"		# K-5			7-7/8"	85	SX.				1	
<u>J=1/2</u> 23.	<u></u>		2 1 401. ER RECORD	<u> </u>	1-110	1420	) sx TLV   30:	<del>1,_30</del>		Class ING RE	ClCircd 52 sx	
SIZE	TOI		BOTTOM	SACKS CEMENT	SCRE	EN	<del> </del>	<u> </u>			PACKER SET	
317.5			BO110M	SACKS CEMENT	3CRE	EN	2-7/8"		DEPTI			<del></del>
		<del></del>			<del> </del>		Plastic	714-	424.	<u> </u>	4242'	
31. Perioration Record (	N	<u> </u>	<u>- N  </u>	<u>- E                                   </u>	<del></del>	4.61					Baker AD-1	
Perfd 5-1/2"			•		32.						SQUEEZE, ETC.	
			34'-4442'		4320	- 14 INT					CIND MATERIAL USED	
Zone 2: 450						-46541			gals		71 70 150	
Zone 3: 458					#200	-4034				3 BM	w/1 BS per 150	
2011e 3: 436	0 -400	, 40	10 -4634		17.267	22251	,		acid	<del></del>	71 70 71 00 1	
				<del></del>	4434'	-4442				ac1d	w/1 BS/100 gal	s_
13,		T=			DUCTION	<del></del> -	<del></del>	acid				
ate First Production	<b>+</b> 4	Producti	on Method (Flow	ing, gas lift, pur	nping — Siz	e and typ	ре ритр)				tus (Prod. or Shut-in)	
*Water Injec	<del></del>	<u> </u>		<del>,</del>							ting	
inte of Test	Hows T	nated	Choke Size	Prod'n. For Test Period	OII — Bb.	l <b>.</b>	Gas - MCF	- I	Water -	Вы.	Gas - Oil Ratio	
			ļ	<u> </u>						<del>-</del>		
low Tubing Press.	Casina	Pressure	Calculated 24-	OII - Bbl.	Gas	- MCF	Wo	iter — E	3b1.	10	il Gravity - API /Corr.	1

Logs furnished direct by logging company

4. Disposition of Gas (Sold, used for fuel, vented, etc.,

Not applicable

. I hereby cirrly that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

Test Witnessed By

STATE OF NEV										sed 10-1-78	
ENERGY AND MINERAL		OIL	CONS	ERVA	TION	OIVISIO	N	الم الم	dicale.	Type of Leuse	
DISTRIBUTION P. O. BOX 2088							1	State XX Fee			
SANTA FE								·		6 Gas Leane No.	
PILE	The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s								B-2		
11.5.0.5.	WE	ELL COMPLE	ETION O	R RECO	MPLETIC	N REPOR	T AND I	LOG 1	rrr	mmin	
API # 30-025-28062											
IN. TYPE OF WELL								7. Un	LL Agrer	ement Name	
	OIL WELL	- 6AS			Orde	er R-710	3		·		
b. TYPE OF COMPLE		WELL	. []	084	OTHER	water	inject:	10n 8. Fa	rm or L	ease Name	
WEN XX OV	RR DEEPEN	PLUG		ESVA.	OTHER			١,		77 1	
2. Name of Operator	VI				- OTRE			9. We	1. F.	Hale	
Phillips Petr	oleum Compan	ıy								19	
3. Address of Operator	l Dambersk C	24	_		70760			Vac	Vacuum Grayburg		
Room 401, 400	1 Pendrook S	treet, Ude	ssa, T	exas	79762				TTSa	n Andres	
1. Cocation of well							•				
P	1	Λ		Carret		1210			////		
DHIT LETTER P	LOCATED	U PEET P	ROM THE _	South	LINE AND		7777	FROM [ ] 12. C	7777	<i>111111111</i>	
east	35	17_6	2/ E			[[]]			,		
THE EAST LINE OF						Flevations (	DE RKP	RT GR 415		Flex Cashinghead	
3-20-82	4-1-83	i	-2 <b>-</b> 83	, ,, ,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	4010 GR		11, 01, 110	′/ '* `	siev. Oismingheed	
26. Total Depth		Back T.D.		If Multipl	e Compl., He			Rotary Tool:		. Cable Tools	
48001		4728 <b>'</b>		Mony	•		illed By				
24. Producing Interval	s), of this completion	on - Top, Botton	n, Name						2	5. Was Directional Sur	
Grayburg/San	Andres - to	р 4061': ъ	ottom	4800 t						маde No	
26. Type Electric and C	ther Logs Run			<del></del>	<del></del>	<del></del> -			27. wc	s Well Cared	
Dresser Atla	•	c. GR/Cal.	DLL/R	XO/GR	Cal. Cor	T.				No	
2a.						s set in well	)		<u> </u>		
CASING SIZE	WEIGHT LB./F	<del> </del>			.E SIZE	1		RECORD		AMOUNT PULLE	
13-3/8"	<del></del>	157		<del> </del>	7-1/2"	·}			'C'' w/2% Cadl		
			ч		1-14-2	)		cmt to s			
5-1/2"	15.5#	480	0'		7-7/8"					Gilsonite	
	to 1/4#/sx										
29.		NER RECORD				30,		TUEINO			
SIZE	TOP	BOTTOM	SACKS	EMENT	SCREEN	ı SI	ZΕ	DEFTH S	ET	PACKER SET	
						2-	7/8"	4305	OE	3401 ?	
	N	- 0	- 1	N -	E.	P1:	stic	coated		Baker AD-1.	
31. Perioration Record					32.	ACID, SHO	T. FRACT	URE, CEME	NT SOU	EEZE, ETC.	
CPI perfd 5-1					<del></del>	INTERVAL		AMOUNT A	ND KIN	D MATERIAL USED	
4367'-4377'	4540'-46		44'-46		4367'-					15% NeHCL,	
4384'-4454'			58 <b>'-</b> 47	10'				14,150 ga			
4466'-4477'   4494'-4502'	4633'-46		0/0.1		balls	sealer e	<u>erv 10</u>	00 gals,	tota	1 146 balls.	
j	<del></del>	240	240 ho		<u> </u>				<del></del>		
Late First Production	Deadwet	Ion kiethod (Flo			UCTION	nd 1400 0400		Ni - 11	Contra	(Prod. or Shut-in)	
*Water Inje	i	ion Method (Fin	wing, Kas	,, pump	ing – Size u	na type pamy	,	4611	Status	(Frod. or Shut-th)	
From of Tost	Flows Tested	Choke Size	Prod'n.	For	OII - Bbl.	Gas	MCF	Water - Bb	<del></del>	Gas - Ol! Ratio	
			Test P				· -		_		
Flow Tubing Press.	Casing Pressure	Calculated 24	- OII - E	361.	Gas -	MCF	Water -	Вы.	011 (	Gravity - API (Corr.)	
		Hour Flate			_		] .				
34. Disposition at Gar (	Sold, used for fuel,	vented, etc./				<del></del>	<del></del>	Test Witne	ssed By	<del></del>	
Not applicable								1	•		
35. List of Muchanenta	<del></del>		<del></del>					<del></del>			
Logs furnished	d direct by	logging co	mpany								
36. I hereby ceruly than	the information sho	un on both side	s of this fo	0/m 15 (/u	e und comple	ere to the bes	t of my kn	owledge and	belief.		

W. J. Mueller Senior Engineering Specialist July 20, 1983

State of New Mexico Submit to Appropria Form C-166 Energy, Minerals and Natural Resources Department District Office Revised 1-1-89 State Lease — 6 copies Fee Lease — 5 copies WELL API NO. DISTRICT **OIL CONSERVATION DIVISION** P.O. Box 1980, Hobbs, NM 88240 30-025-30617 P.O. Box 2088 5. Indicate Type of Lease DISTRICT II P.O. Drawer DD, Artonia, NM 88210 Santa Fe. New Mexico 87504-2088 STATE X PEE 6. State Oil & Gas Lease No. DISTRICT III 1000 Rio Brazos Rd., Aziec, NIM 87410 B-2317 WELL COMPLETION OR RECOMPLETION REPORT AND LOG ia. Type of Well: OIL WELL GAS WELL DRY OTHER b. Type of Completion M. E. Hale 2. Name of Operator & Well No. Phillips Petroleum Company 23 Address of Operator 9. Pool same or Wildest Vacuum Grayburg/San Andres 4001 Penbrook Street, Odessa, Texas 79762 Well Location : 620 Feet From The south Line and 1250 Feet From The east ·Line NMPM Township Range County 17-S 34-E Lea 12. Date Compl. (Ready to Prod.) 1C. Date Spudded 11. Date T.D. Reached 13. Elevations (DF& RKB, RT, GR, etc.) 14 Elev. Casi perf'd 9-05-89 6-19-89 7-02-89 4011.4'GR, 4019.5RKB 18. Intervals | Rotary Tools Dulled By 15. Total Depth 16. Plug Back T.D. 17. If Multiple Compl. How Many Zones? Cable Tools 4800' 4640' 0-4800 19. Producing Interval(s), of this completion - Top, Bottom, Name 20. Was Directional Survey Made 4390'- 4566' Grayburg/San Andres 21. Type Electric and Other Logs Run 22. Was Well Cored DLL-MSFL-GR/Cal; CNL-LDT-GR/Cal; CNL-GR/Cal No 23 CASING RECORD (Report all strings set in well) **CASING SIZE** WEIGHT LB/PT. DEPTH SET HOLE SIZE CEMENTING RECORD AMOUNT PULLED 1567' 17-12/" 1500 sx "C", 2% CaCl Circ 600 sx 13-3/8" 54.5# J-55 5-1/2" 14# J-55 4800' 1600 sx "C" 35/65 Po 7-7/8" 400 sx "C" Neat. Circ 382 sx 24 LINER RECORD **TUBING RECORD** SIZE TOP BOTTOM SACKS CEMENT SCREEN DEPTH SET SZZ PACKER SET 2-7/8" SN @ 4616 Perforation record (interval, size, and number) 21. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. Perf'd 5-1/2" csg w/4" OD csg gun 4 SPF on spiral DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED phasing from: 4390'-4396'; 4403'-4408'; 4414'-4389-4632 10.500 gals 15% NEFE HCL 4421'; 4432'-4437'; 4509'-4514'; 4560'-4566' 4389-4632 Sqzd w/120 sx Premium Plus 4560-4593 Sqzd w/100 sx Premium Plus PRODUCTION 4390-4566' 1200 gals 15% NEFE HCL Date First Production Production Method (Flowing, gas lift, pumping - Size and type pump) Well Status (Prod. or Shut-in) 2½" x 1½" x 24' pump 10-05-89 producing Date of Test Hours Tested Prod'n For Oil - BbL Gas - MCF Ges - Oil Ratio Choka Siza Water - BbL **Test Period** 70 10-07-89 24 11 . 8 Oil - BbL Gas - MCP Calculated 24-Hour Rate Flow Tubing Press. Casing Pressure Water - Rhi Oil Gravity - API - (Corr.) 29. Disposition of Gas (Sold, used for fuel, vented, etc.) Test Witnessed By Sold D. G. Williamson

30. List Attache

Signature

Logs furnished direct by logging company

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Name

M. Sanders

Title Reg. & Pro. Supv Date 10-23-89