



Texaco USA
Producing Department
Midland Division

P O Box 1009
Midland TX 79701

#5970

March 28, 1990

New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Commissioner of Public Lands
State of New Mexico
Oil and Gas Division
P. O. Box 1148
Santa Fe, New Mexico 87504-1148

RE: ~~CENTRAL VACUUM UNIT~~
PLANS OF DEVELOPMENT
LEA COUNTY, NEW MEXICO

Gentlemen:

Texaco, as Operator of the Central Vacuum Unit, respectfully submits for your approval a report of past operations and a plan of operation and development for 1990.

PAST OPERATIONS

Vacuum Field was discovered in 1929 when Vacuum Oil (Mobil Oil Company) completed the New Mexico "Bridges" State Well No. 1 for 119 BOPD. This well was shut-in until pipeline facilities became available in 1937.

In the current Central Vacuum Unit area, 66 Grayburg-San Andres wells were drilled on 40-acre spacing from 1937 to 1945. The next period of significant development activity occurred from 1977-1979 when the Unit area was infill-drilled on 20-acre spacing.

The Unit Agreement for the Central Vacuum Unit became effective October 1, 1977 and waterflooding began in January 27, 1978. A full scale waterflood was in place by late 1979, following completion of the infill drilling program.

Prior to unitization, cumulative oil production for the Grayburg-San Andres in the Central Vacuum Unit Area was 36,861,801 barrels. From initiation of the unit to January 1, 1990, the field has produced 36,619,940 barrels of oil and 114,712,000 BW have been injected.

New Mexico Oil Conservation
Division, Commissioner of
Public Lands

- 2 -

March 28, 1990

Central Vacuum Unit includes 80 producers and 81 injection wells. Average production for December 1989 was 4,490 BOPD, 1,947 MCFD, and 43,705 BWPD. The average injection rate was 52,351 BPD with a maximum injection pressure of 1500 psi.

1989 UNIT ACTIVITIES:

Wells shut-in at Central Vacuum Unit during 1989 include CVU No. 117 and CVU No. 130. To maintain optimal unit production, workovers were performed on CVU Nos. 100, 144, 10, 54, 50, 97, 62, 79, 68, 74, 101, and 107.

DEVELOPMENT PLANS FOR 1990:

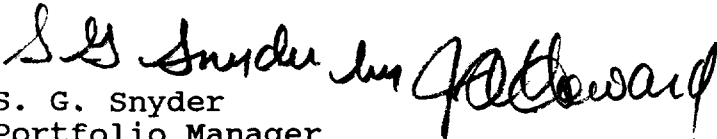
Plans for 1990 include a proposed 5-well development program in the south half of section 36-T17S-R34E. This development program will provide data necessary for evaluating the feasibility of infill drilling the Central Vacuum Unit on 10-acre spacing.

From January 1, 1990 to March 30, 1990, workovers were completed in CVU Nos. 223, 65, and 76.

Other plans include continuous monitoring and maximization of unit production through the use of injection surveys, stimulations, and cleanouts. Equipment modifications, well workovers, and plugging will be performed as necessary.

Very truly yours,

Texaco Inc.


S. G. Snyder
Portfolio Manager

JFG/srt

file
chrono

W

DATE 01/10/90 TIME 15.43.25

DATA UTILITY SYSILM

TEXACO PRODUCING INC.

MIDLAND DIVISION	LEASE NAME/ LEASE NO.	LEASE NAME/ FRS NO.	HOBBS DISTRICT	WELL NO.	WELL STATUS	COMMENTS	MONTH ENDING 01-01-90	SEQUENCE NUMBER	API NUMBER
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(2) JOINTLY OWNED AND OPERATED BY TEXACO

319	CENTRAL VACUUM UNIT 333000061020319 TEXACO WI = 44.9231400			1	PM			22125800	3002502939
				2	PM			22125800	3002528560
				3	PM			22125800	3002525674
				4	PM			22126100	3002502952
				5	PM			22126200	3002502948
				6	INJ			22126300	3002525808
				7	INJ			22126400	3002525809
				8	INJ			22126500	3002525792
				9	PM			22126600	3002599022
				10	PM			22126700	3002529034
				11	PM			22126800	3002502951
				12	PM			22126900	3002599021
				13	PM			22127000	3002521663
				14	INJ			22127100	3002525810
				15	INJ			22127200	3002525811
				16	INJ			22127300	3002525812
				17	INJ			22127400	3002525793
				18	PM			22127500	3002508530
				19	PM			22127600	3002520795
					PM			22127700	3002520746

C.V.U. MNIR. #1 08-03-89

60092
19/02

TEXACO PRODUCING INC.

MIDLAND DIVISION

HOBBS DISTRICT

MONTH ENDING 01-01-90

FIELD NAME/
LEASE NO.LEASE NAME/
FRS NO.WELL
NO.WELL
STATUS

COMMENTS

CONDITION

SEQUENCE
NUMBER

API NUMBER

(2) JOINTLY OWNED AND OPERATED BY TEXACO

			20	PM		22127800	3002502946
			21	PM		22127900	3002520212
			22	PM		22128000	3002502113
			23	PM		22128100	3002520143
			24	PM		22128200	3002520235
			25	INJ		22128300	3002525813
			26	INJ		22128400	3002525814
			27	INJ		22128500	3002525815
			28	INJ		22128600	3002525816
			29	INJ		22128700	3002525794
			30	INJ		22128800	3002521907
			31	INJ		22128900	3002525795
			32	PM		22129000	3002520822
			33	PM		22129100	3002508545
			34	PM		22129200	3002521009
			35	PM		22129300	3002599020
			36	PM		22129400	3002502111
			37	PM		22129500	3002599025
			38	PM		22129600	3002502107
			39	PM		22129700	3002502109
			40	INJ		22129800	3002525703
			41	INJ		22129900	3002525704

SUB AREA -6106 BUCKEYE-CENTRAL VACUUM UNIT SUB AREA

TEXACO PRODUCING INC.

MIDLAND DIVISION		HOBBS DISTRICT		MONTH ENDING 01-01-90	
FIELD NAME/ LEASE NO.	LEASE NAME/ FRS NO.	WELL NO.	WELL STATUS	COMMENTS	CONDITION
(2) JOINTLY OWNED AND OPERATED BY TEXACO					
		42	INJ		22130000
		43	INJ		22130100
		44	INJ		22130200
		45	INJ		22130300
		46	INJ		22130400
		47	PM		22130500
		48	PM		22130600
		49	PM		22130700
		50	PM		22130800
		51	PM		22130900
		52	PM		22131000
		53	PM		22131100
		54	PM		22131200
		55	INJ		22131300
		56	INJ		22131400
		57	INJ		22131500
		58	INJ		22131600
		59	INJ		22131700
		60	INJ		22131800
		61	INJ		22131900
		62	PM		22132000
		63	PM		22132100

API NUMBER

3002525705
3002525706
3002525719
3002599009
3002525818
3002520370
3002520819
3002599016
3002520862
3002599018
3002502231
3002599014
3002502232
3002525721
3002525722
3002525723
3002525724
3002525725
3002525707
3002525819
3002520820
3002520290

TEXACO PRODUCING INC.

MIDLAND DIVISION

HOBBS DISTRICT

MONTH ENDING 01-01-90

FIELD NAME/ LEASE NO.	LEASE NAME/ FRS NO.	WELL NO.	WELL STATUS	COMMENTS	CONDITION	SEQUENCE NUMBER	API NUMBER
(2) JOINTLY OWNED AND OPERATED BY TEXACO							
		64	PM			22132200	3002502953
		65	PM			22132300	3002520784
		66	PM			22132400	3002502236
		67	PM			22132500	3002599023
		68	PM		11-22-89	22132600	3002502239
		69	PM			22132700	3002599013
		70	INJ			22132800	3002525726
		71	INJ			22132900	3002525727
		72	INJ			22133000	3002525697
		73	INJ			22133100	3002525720
		74	INJ			22133200	3002525729
		75	PM			22133300	3002520749
		76	PM			22133400	3002502957
		77	PM			22133500	3002502238
		78	PM			22133600	3002502240
		79	PM		11-11-89	22133700	3002520179
		80	PM			22133800	3002502234
		81	INJ			22133900	3002525708
		82	INJ			22134000	3002525730
		83	INJ			22134100	3002525731
		84	INJ			22134200	3002525732
		85	INJ			22134300	3002525709

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TEXACO PRODUCING INC.

MIDLAND DIVISION		HOBBS DISTRICT		MONTH ENDING 01 01 90		SEQUENCE NUMBER	API NUMBER
FIELD NAME/ LEASE NO.	LEASE NAME/ FRS NO.	WELL NO.	WELL STATUS	COMMENTS	CONDITION		
(2) JOINTLY OWNED AND OPERATED BY TEXACO							
		86	PM			22134400	3002520796
		87	PM			22134500	3002520823
		88	PM			22134600	3002520339
		89	PM			22134700	3002502241
		90	PM			22134800	3002599015
		91	OS			22134900	3002502243
		92	PM			22135000	3002599024
		93	INJ			22135100	3002525733
		94	INJ			22135200	3002525734
		95	PM			22135300	3002599026
		96	PM			22135400	3002599027
		97	PM			22135500	3002520754
		98	SI-O	CASING PARTED	03-18-83	22135600	3002503075
		99	INJ			22135700	3002525710
		100	INJ			22135800	3002525711
		101	INJ			22135900	3002525712
		102	PM			22136000	3002599028
		103	PM			22136100	3002599029
		104	PM			22136200	3002503078
		105	PM			22136300	3002521031
		106	INJ			22136400	3002525796
		107	INJ			22136500	3002525820

TEXACO PRODUCING INC.

MIDLAND DIVISION	HOBBBS DISTRICT	MONTH ENDING 01-01-90			
FIELD NAME/ LEASE NO.	LEASE NAME/ FRS NO.	WELL NO.	WELL STATUS	COMMENTS	CONDITION
(2) JOINTLY OWNED AND OPERATED BY TEXACO					
		108	INJ		22136600
		109	PM		22136700
		110	PM		22136800
		111	PM		22136900
		113	INJ		22137000
		114	INJ		22137100
		115	INJ		22137200
		116	PM		22137300
		117	TR-O	CASING LEAK	03-08-89
		118	PM		22137400
		120	INJ		22137500
		121	INJ		22137600
		122	INJ		22137700
		123	PM		22137800
		124	PM	DUAL-CTD ON CVU N.M."R"ST.NCT-4#1	22137900
		125	PM	DUAL-CTD ON CVU N.M."R"ST.NCT-4#2	22138000
		126	PM		22138100
		127	PM		22138200
		128	INJ		22138300
		129	INJ		22138400
		130	TR-O	ROD/IBG. FAIL.	03-06-89

SUB-AREA 6106 BUCKEYE-CENTRAL VACUUM UNIT SUB-AREA

TEXACO PRODUCING INC.

MIDLAND DIVISION		HOBBS DISTRICT		MONTH ENDING 01-01 90		SEQUENCE NUMBER	API NUMBER
FIELD NAME/ LEASE NO.	LEASE NAME/ FRS NO.	WELL NO.	WELL STATUS	COMMENTS	CONDITION		
(2) JOINTLY OWNED AND OPERATED BY TEXACO							
		131	INJ			22138700	3002503094
		132	PM	LEASE LINE CVU-50%, VGSAU-50%		22138800 22138800	3002523801
		133	INJ	LEASE LINE CVU-50%, VGSAU-50%		22138900 22138900	3002525994
		134	INJ	LEASE LINE CVU-50%, VGSAU-50%		22139000 22139000	3002525995
		135	INJ	LEASE LINE CVU-75%, VGSAU-25%		22139100 22139100	3002525996
		136	INJ	LEASE LINE CVU-50%, VGSAU-50%		22139200 22139200	3002525997
		137	INJ	LEASE LINE CVU-50%, VGSAU-50%		22139300 22139300	3002525998
		138	INJ	LEASE LINE CVU-50%, VGSAU-50%		22139400 22139400	3002525999
		139	INJ	LEASE LINE CVU-50%, VGSAU-50%		22139500 22139500	3002526078
		140	INJ	LEASE LINE CVU-50%, VGSAU-50%		22139600 22139600	3002526000
		141	INJ			22139700	3002526001
		142	INJ			22139800	3002526786
		143	INJ			22139900	3002526787
		144	INJ			22140000	3002526788
		145	INJ			22140100	3002526789
		146	INJ			22140200	3002526790
		147	INJ			22140300	3002526791

TEXACO PRODUCING INC.

MIDLAND DIVISION			HOBBS DISTRICT		MONTH ENDING 01-01-90		SEQUENCE NUMBER	API NUMBER
FIELD NAME/ LEASE NO.	LEASE NAME/ FRS NO.	WELL NO.	WELL STATUS	COMMENTS	CONDITION			
(2) JOINTLY OWNED AND OPERATED BY TEXACO								
		148	INJ			22140400	3002526792	
		149	INJ			22140500	3002526793	
		150	INJ			22140600	3002526794	
		152	PM			22140700	3002526820	
		153	PM			22140800	3002527194	
		154	INJ			22140900	3002527235	
		155	INJ	*COUNTED ON VAC. COOP INJ SYS #155		22141000 22141000	3002527965	
		156	INJ	*COUNTED ON VAC. COOP INJ SYS #156		22141100 22141100	3002527966	
		157	INJ	*COUNTED ON VAC. COOP INJ SYS #157		22141200 22141200	3002527967	
		158	INJ	*COUNTED ON VAC. COOP INJ SYS #158		22141300 22141300	3002527968	
		159	INJ	*COUNTED ON VAC. COOP INJ SYS #159		22141400 22141400	3002527969	
		160	INJ	*COUNTED ON VAC. COOP INJ SYS #160		22141500 22141500	3002527970	
		161	INJ	*COUNTED ON VAC. COOP INJ SYS #161		22141600 22141600	3002527971	
		162	PM			22141700	3002528182	
		169	PM			22141800	3002529765	
		223	PM			22141900	3002530102	
		242	PM			22142000	3002530104	
		253	PM			22142100	3002530103	

TEXACO PRODUCING INC.

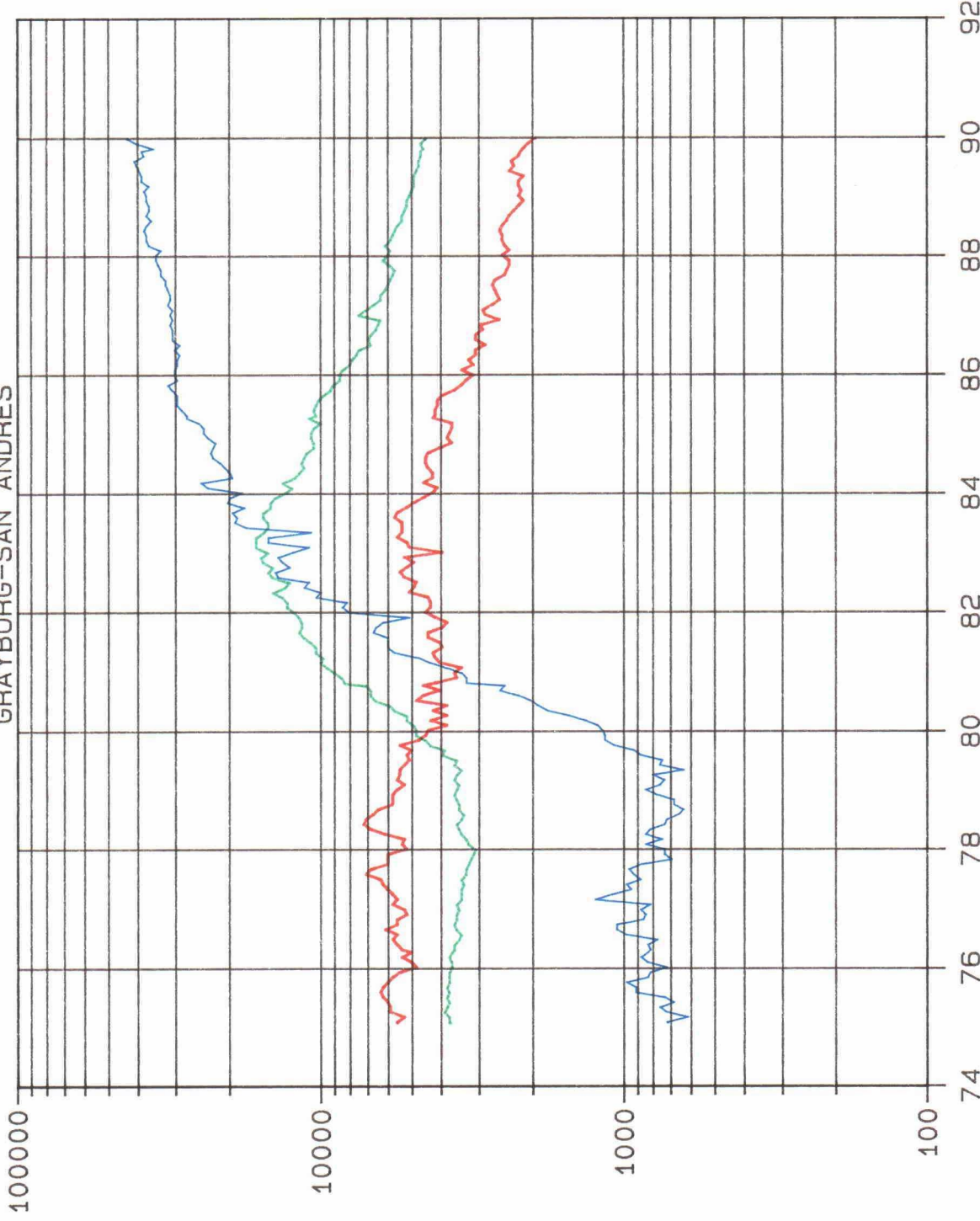
MIDLAND DIVISION	HOBBBS DISTRICT	MONTH ENDING 01-01-90			
FIELD NAME/ LEASE NO.	LEASE NAME/ FRS NO.	WELL NO.	WELL STATUS	COMMENTS	CONDITION
(2) JOINTLY OWNED AND OPERATED BY TEXACO					
744	VACUUM COOP. INJ. SYSTEM 333000061060744	266	PM	CVU #155	22142200
		302	PM	LEASE LINE CVU-75%, MOBIL-25%	22142300
		2WS	WS		22142400
		3WS	WS		22142500
		4WS	WS		22142600
	TEXACO WI - 27.2033400				
775	VACUUM COOP. INJ. SYSTEM 333000061020775	115 -C	INJ	CVU #156	22142700
		156 -T	INJ	LEASE LINE CVU-50%, MOBIL-50%	22142800
	TEXACO WI - 18.1355400				
776	VACUUM COOP. INJ. SYSTEM 333000061020776	157 -T	INJ	CVU #157	22142900
				LEASE LINE CVU-50%, MOBIL-50%	22142900
		158	INJ	CVU #158	22143000
				LEASE LINE CVU-50%, MOBIL-25% CONOCO-25%	22143000
	TEXACO WI - 18.1355400				
777	VACUUM COOP. INJ. SYSTEM 333000061020777	159	INJ	CVU #159	22143100
				LEASE LINE CVU-50%, CONOCO-25%	22143100
	TEXACO WI - 18.1355400				

SUB AREA 6106 BUCKEYE CENTRAL VACUUM UNIT SUB AREA

CENTRAL VACUUM UNIT GRAYBURG--SAN ANDRES

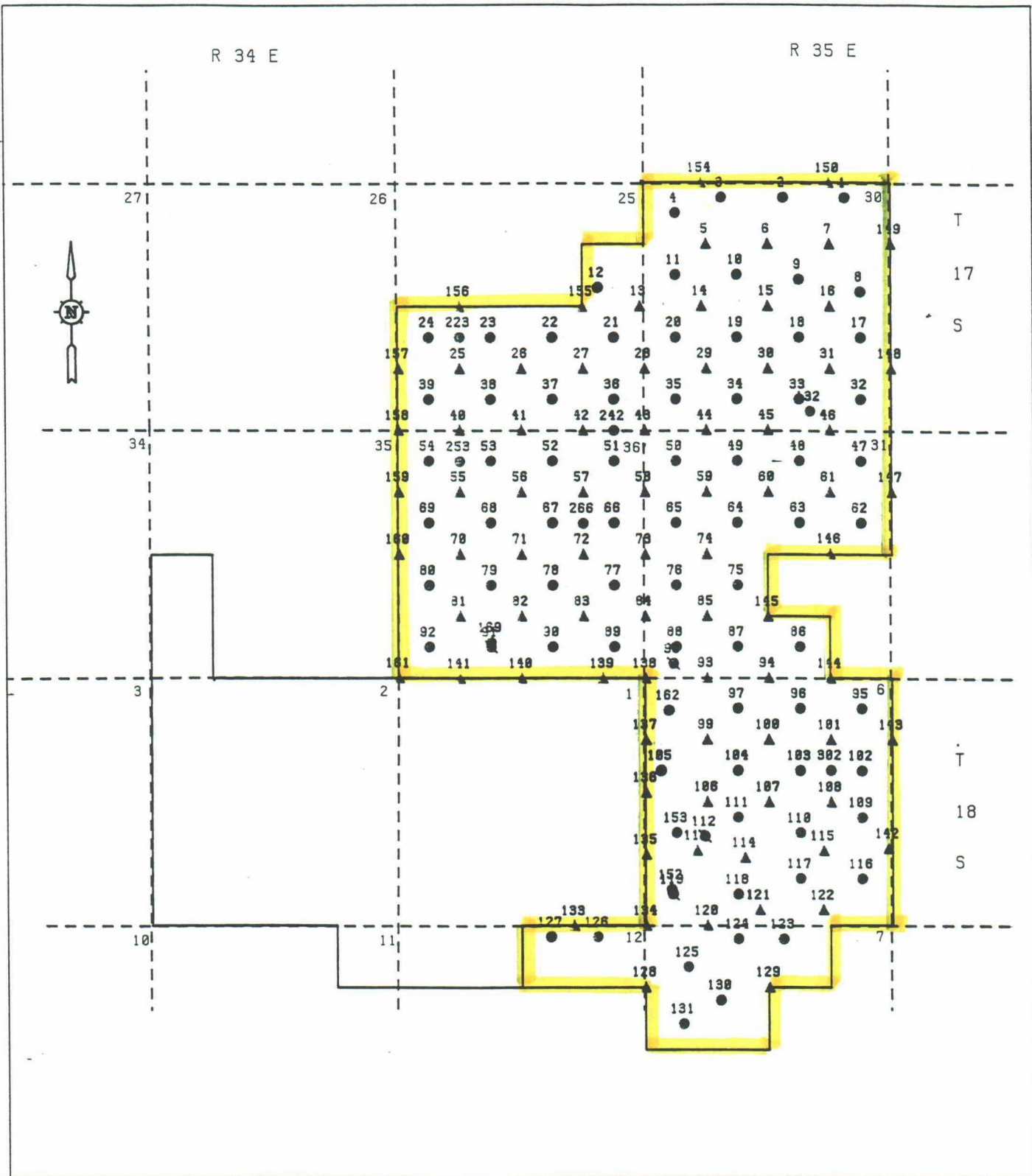
LEASE DATA
LSE 857943
FLD 59800
OPER
ZONE 432
--
COUNTY 025
STATE 30

STATUS
CO 73481 MBO
CG 46050 MMCf
BOPD 4490
BWPD 43705
MCFPD 1947
WELLS 161



BOPD
BWPD
MCFPD

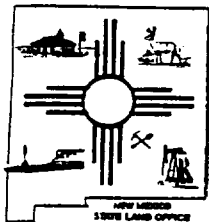
YEARS



LEGEND:

- PRODUCING WELL
- ▲ INJECTION WELL
- UNIT BOUNDARY

TEXACO		
MIDLAND	TEXAS	U. S. A.
VACUUM GRAYBURG SAN ANDRES FIELD LEA COUNTY, NEW MEXICO CENTRAL VACUUM UNIT		
1"=2000' 10-000-00		



State of New Mexico
Commissioner of Public Lands

#5970

W. R. Humphries
COMMISSIONER April 27, 1990

Advisory Board

George Clark
Chairman

Texaco USA

Kristin Conniff
Vice Chairman

P.O. Box 3109
Midland, Texas 79702

Melvin Cordova

Joe Kelly

Robert Portillos

ATTN: S.G. Snyder

Nancy Lynch Vigil

RE: Central Vacuum Unit
1990 Plan of Development

Rex Wilson

Gentlemen:

The Commissioner of Public Lands has this date approved the 1990 Plan of Development for the Central Vacuum Unit. Our approval is subject to like approval by all other appropriate agencies.

The possibility of drainage by wells outside of the Unit Area and the need for further development of the Unit may exist. You will be contacted at a later date regarding these possibilities.

Enclosed is an approved copy of the 1990 Plan of Development for your files. If we may be of further help, please do not hesitate to contact this office at (505) 827-5746.

Very truly yours,

W.R. HUMPHRIES,
COMMISSIONER OF PUBLIC LANDS

BY: *Floyd O. Prando*
FLOYD O. PRANDO, Director
Oil and Gas Division
(505) 827-5746

cc: OCD - Santa Fe, New Mexico
BLM
Unit Correspondence File
Unit P.O.D. File

WRH/FOP/SMH



PETROLEUM PRODUCTS

August 25, 1977

TEXACO INC.
DRAWER 728
HOBBS, NEW MEXICO 88240

APPLICATION OF TEXACO INC.
FOR UNITIZATION AND UNIT OPERATION
Cases No. 5970 and 6008
Central Vacuum Unit
Lea County, New Mexico

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

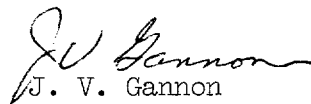
ATTENTION: MR. R. L. STAMETS

Gentlemen:

As per your recent request, attached is the wellbore diagram for the Mobil Oil Company State "CC" No. 1 Comm. located in Unit L, Section 36, Township 17 South, Range 34 East, Lea County, New Mexico.

If we are required to use the formula for determining allowable for this project which was presented by Phillips Petroleum Company, we suggest that a form similar to the attached example be used. The allowable could be calculated and the reporting form could probably be prepared by our computer. It should be pointed out that in order to use this formula, the allowable for any month would have to be based on production and injection data from the month which is two months previous to the subject month because of accounting delays for gas production.

Yours very truly,


J. V. Gannon

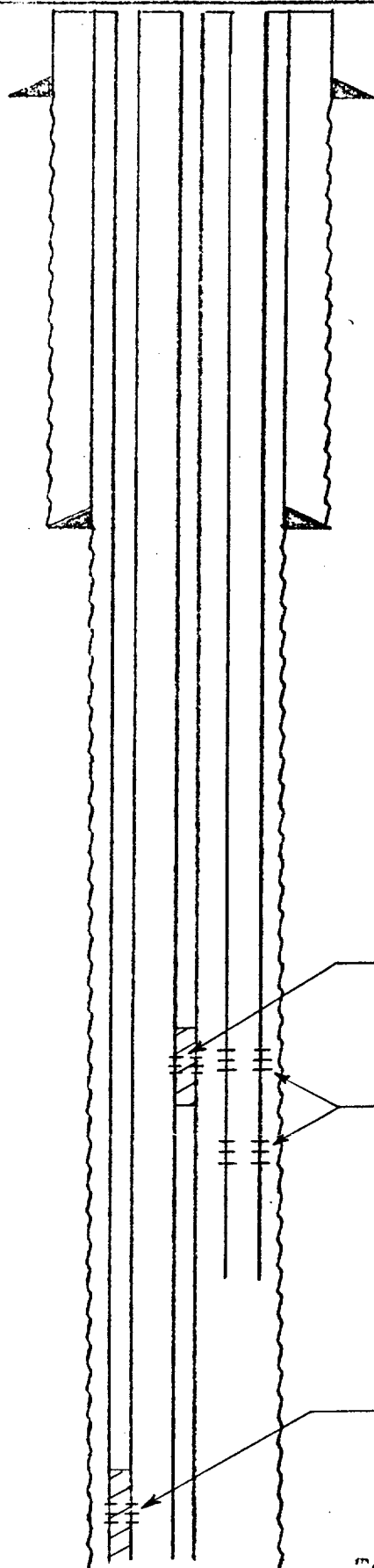
District Superintendent

WRH:las
Attachments

White, Koch, Kelly & McCarty



FIELD <u>Vacuum</u>	OPERATOR <u>Mobil</u>	DATE
WELL NO <u>1</u>	LOCATION <u>L-36-17-34</u>	



16 " casing set at 360 ' with 350 sx of _____ cement
Hole size _____ ".
Cmt. Circulated

10³/₄ " casing set at 4967 ' with 2175 sx of _____ cement
Hole size _____ ".
Cmt Circulated

2⁷/₈ " casing set at 12,080 '.
2⁷/₈ " casing set at 12,080 '.
4¹/₂ " casing set at 10,222 '.
 Hole size 9⁵/₈ ".
 Cemented with 4460 sx.
Cmt. Circulated

Squeezed Perfs. 9115-9185 w/15 sx
2⁷/₈ " csg. stg. Abandoned 6-12-75

Wolfcamp Perfs 9442-9840, Abo Perfs 9115-9185
Down hole commingled in 4¹/₂ " csg.

Squeezed Perfs. 11,972-12,028 w/15 sx
2⁷/₈ " csg. stg. Abandoned 6-12-75

Total Depth 12080 '.

ALLOWABLE REQUEST

CENTRAL VACUUM UNIT LEA COUNTY, NEW MEXICO

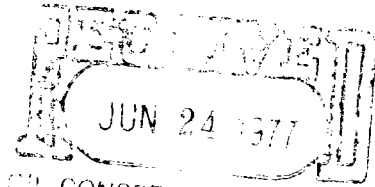
Texaco Inc. requests an allowable of _____ Bbls. (_____ BOPD)
for the Central Vacuum Unit for the month of _____, 19____, based on the fol-
lowing production and injection data for the month of _____, 19____:

Reservoir Pressure	_____	psig	
Oil Formation Volume Factor	_____		
Gas Volume Factor	_____	Bbl./MCF	
Solution GOR	_____	Ft ³ /Bbl.	
Project Allowable	_____	Bbls.	_____ BPD
Oil Production	_____	Bbls.	_____ BPD
Gas Production	_____	MCF	_____ MCFPD
Gas Oil Ratio	_____	Ft ³ /Bbl.	
Net Water Injection	_____	Bbls.	_____ BPD
Reservoir Oil and Gas Voidage for Project Allowable Production	_____	Bbls.	_____ BPD
Special Allowable	_____	Bbls.	_____ BOPD
Total Allowable	_____	Bbls.	_____ BOPD



PETROLEUM PRODUCTS

June 24, 1977



TEXACO INC.
DRAWER 728
HOBBS, NEW MEXICO 88240

APPLICATION OF TEXACO INC. FOR
UNITIZATION AND UNIT OPERATION

Case No. 5970
Central Vacuum Unit
Lea County, New Mexico

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

ATTENTION: MR. R. L. STAMETS

Gentlemen:

As per your request at the recent examiner hearing for the proposed Central Vacuum Unit, attached is an example calculation of reservoir voidage and injection withdrawal ratio for the Vacuum Grayburg-San Andres Unit for the month of March, 1977.

We are also sending a copy of our Exhibit No. 17 with those wells which indicate a cement top on the production casing which is below the San Andres formation marked with a red dot.

Yours very truly,

J. V. Gannon
District Superintendent

WRH:las
Attachments

White, Koch, Kelly & McCarthy
P. O. Box 787
Santa Fe, New Mexico 87501



Working to keep
your trust for
75 years

THE FORMULA USED TO CALCULATE RESERVOIR VOIDAGE IS AS FOLLOWS:

$$V_{\Delta t} = B_g (G_p - R_s N_p) + N_p B_o + W_p B_w$$

where

$V_{\Delta t}$ is reservoir voidage for any given time period (barrels per unit time)

B_g is the gas formation volume factor (ratio of gas volume in cubic feet at standard conditions to gas volume in barrels at reservoir conditions).

B_o is the oil formation volume factor (ratio of oil volume at standard conditions to oil volume at reservoir conditions).

B_w is the water formation volume factor (ratio of water volume at standard conditions to water volume at reservoir conditions - considered to be 1.0 for ordinary calculations).

G_p is total gas produced for a given time (cubic feet).

N_p is oil production (stock tank barrels).

W_p is water production (barrels).

R_s is the solution gas oil ratio (cubic feet per barrel).

THE FORMULA USED TO CALCULATE THE INJECTION-WITHDRAWAL RATIO IS AS FOLLOWS:

$$IWR = W_I / V_{\Delta t}$$

where

W_I is total water injection (barrels per unit time).

FOR THE MONTH OF MARCH, 1977, THE FOLLOWING DATA WAS USED IN CALCULATING $V_{\Delta t}$ AND IWR FOR THE VACUUM GRAYBURG-SAN ANDRES UNIT:

$B_g = 0.00314$ (from reservoir fluid analysis)

$B_o = 1.2$ (from reservoir fluid analysis)

$B_w = 1.0$ (assumed)

$G_p = 132,902$ MCF

$N_p = 143,824$ bbls.

$W_p = 108,748$ bbls.

$R_s = 360$ ft.³/bbl. (from reservoir fluid analysis)

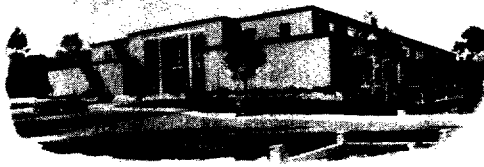
$W_I = 723,728$ bbls.

$$\begin{aligned} V_{\Delta t} &= 0.00314 (132,902,000 - (360)(143,824)) + (143,824)(1.2) + (108,748) \\ &= 0.00314 (81,125,360) + 172,589 + 108,748 \\ &= 254,734 + 172,589 + 108,748 \\ &= 536,071 \text{ barrels} \end{aligned}$$

and,

$$\begin{aligned} IWR &= 723,728 / 536,071 \\ &= 1.35 \end{aligned}$$

State of New Mexico



Commissioner of Public Lands

PHIL R. LUCERO
COMMISSIONER

November 3, 1977

P. O. BOX 1148
SANTA FE, NEW MEXICO 87501

Texaco Inc.
P. O. Box 3109
Midland, Texas 79702

Re: 255100-CENTRAL VACUUM UNIT
LEA COUNTY, NEW MEXICO

ATTENTION: Mr. Robert E. Davis

Gentlemen:

We are in receipt of your letter of November 2, 1977 together with Certificate of Effectiveness, Central Vacuum Unit, executed on behalf of Texaco Inc. by G. F. Clarke, Attorney-in-fact.

We have this date noted our records to show the effective date of the Central Vacuum Unit to be October 1, 1977.

Very truly yours,

PHIL R. LUCERO
COMMISSIONER OF PUBLIC LANDS

BY:
RAY D. GRAHAM, Director
Oil and Gas Division

PRL/RDG/s

cc: NMOC-Santa Fe, New Mexico

Unit Name CENTRAL VACUUM UNIT (WATERFLOOD)
 Operator TEXACO INC.
 County LEA

DATE	OCC CASE NO.	5970 & 6008	EFFECTIVE	TOTAL	STATE	FEDERAL	SEMI-ANNUAL-FEE	S
APPROVED	OCC ORDER NO.	R-5496 & R-5530	DATE	ACREAGE				
Commissioner	Commission	8-9-77 & 8-17-77	10-1-77	3,046.02	3,006.02	-0-	40.00	
9-12-77								

UNIT AREA

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM
 Section 25: S/2 and SE/4NE/4
 Section 36: All

TOWNSHIP 17 SOUTH, RANGE 35 EAST, NMPM
 Section 30: All
 Section 31: N/2, SW/4, and SW/4SE/4

TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMPM
 Section 12: N/2NE/4

TOWNSHIP 18 SOUTH, RANGE 35 EAST, NMPM
 Section 6: All
 Section 7: NW/4 and NW/4NE/4

Unit Name
Operator
County

CENTRAL VACUUM UNIT (WATERFLOOD)
TEXACO INC.
LEA

STATE TRACT NO.	LEASE NO.	INSTITUTION	SEC.	TWP.	RGE.	SUBSECTION	DATE	ACRES	ACREAGE		LESSEE
									RATIFIED	NOT RATIFIED	
1	✓ B-1030-1	M.I.	25	17S	34E	SE/4NE/4	5-9-77	40.00			Texaco Inc.
2.	✓ B-1722-1	C.S.	30	17S	35E	W/2W/2	5-9-77	150.56			Texaco Inc.
3.	✓ B-1578-6	C.S.	30	17S	35E	E/2NW/4	6-7-77	80.00			Atlantic Richfield Co.
4.	✓ B-8667-2	C.S.	30	17S	35E	NW/4NE/4	6-7-77	40.00			Atlantic Richfield Co.
4-A	✓ B-8667-2	C.S.	30	17S	35E	SW/4NE/4	6-7-77	40.00			Atlantic Richfield Co.
5.	✓ B-2423-16	C.S.	30	17S	35E	NE/4NE/4	6-20-77	40.00			Joe B. Singer
6.	✓ E-7585	C.S.	30	17S	35E	SE/4NE/4	5-9-77	40.00			Texaco Inc.
7.	✓ B-1414	C.S.	30	17S	35E	E/2SE/4	4-5-77	80.00			Shell Oil Company
8.	✓ B-1501	C.S.	30	17S	35E	W/2SE/4	7-14-77	80.00			Phillips Petroleum Co.
8-A	✓ B-1606	C.S.	31	17S	35E	SW/4NW/4, NW/4SW/4	7-14-77	74.98			Phillips Petroleum Co.
8-B	✓ B-1861	C.S.	31	17S	35E	SW/4SE/4	7-14-77	40.00			Phillips Petroleum Co.
9	✓ B-2245	C.S.	30	17S	35E	E/2SW/4	5-17-77	80.00			Marathon Oil Company
10.	✓ B-1056-1	M.I.	25	17S	34E	NW/4SE/4, S/2SE/4	5-9-77	120.00			Texaco Inc.
11.	✓ B-2706	M.I.	25	17S	34E	SW/4	5-17-77	160.00			Marathon Oil Company
12.	✓ B-1565-2	C.S.	36	17S	34E	N/2N/2	6-7-77	160.00			Getty Oil Company
13.	✓ B-1518	C.S.	31	17S	35E	NW/4NW/4	3-31-77	37.56			Mobil Oil Corporation
14.	✓ B-1334	C.S.	31	17S	35E	NE/4NW/4	6-7-77	40.00			Getty Oil Company
15.	✓ B-2354-2	C.S.	31	17S	35E	NE/4	4-5-77	160.00			Shell Oil Company
16.	✓ B-1713-1	C.S.	31	17S	35E	SE/4NW/4, NE/4SW/4	5-17-77	80.00			Marathon Oil Co.

Unit Name CENTRAL VACUUM UNIT (WATERFLOOD)
Operator TEXACO INC.
County LEA

STATE TRACT NO.	LEASE NO.	INSTI-TUTION	SEC.	TWP.	RGE.	SUBSECTION	DATE	ACREAGE		LESSEE
								RATIFIED	NOT RATIFIED	
17	✓ B-155-1	C.S.	36	17S	34E	S/2N/2, N/2SE/4, S/2S/2	5-9-77	400.00		Texaco Inc.
18.	✓ B-2146-6	C.S.	36	17S	34E	NE/4SW/4	3-21-77	40.00		Amerada Hess Corporation
19.	✓ B-2146-2	C.S.	36	17S	34E	NW/4SW/4	3-31-77	40.00		Mobil Oil Corporation
20	✓ B-1415-1	C.S.	31	17S	35E	SW/4SW/4	4-5-77	37.42		Shell Oil Company
21.	✓ B-1404-2	C.S.	31	17S	35E	SE/4SW/4	4-5-77	40.00		Shell Oil Company
22.	✓ B-1306-1	C.S.	6	18S	35E	NE/4	5-9-77	160.00		Texaco Inc.
23.	✓ B-1113-1	C.S.	6	18S	35E	W/2	5-17-77	310.16		Marathon Oil Co.
24.	✓ B-1031-1	C.S.	6	18S	35E	SE/4	5-9-77	160.00		Texaco Inc.
25.	✓ E-7653-2	C.S.	7	18S	35E	NW/4NE/4	6-7-77	40.00		Getty Oil Company
26.	✓ B-1306-1	C.S.	7	18S	35E	N/2NW/4	5-9-77	77.72		Texaco Inc.
27.	✓ B-936-17	C.S.	12	18S	34E	N/2NE/4	5-2-77 6-1-77	80.00		Sohio Petroleum Co. J. M. Leonard-Ft. Worth National Bank, Trustee No. 1979 (for J. M. Leonard)
28	E-6002-1	C.S.	7	18S	35E	S/2NW/4	6-20-77	77.08		Sun Oil Company

JASON W. KELLAHIN
ROBERT E. FOX
W. THOMAS KELLAHIN

KELLAHIN and FOX
ATTORNEYS AT LAW
500 DON GASPAR AVENUE
P. O. BOX 1769
SANTA FE, NEW MEXICO 87501

TELEPHONE 982-4315
AREA CODE 505

July 19, 1977

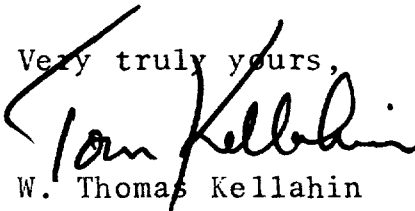
Mr. Richard Stamets
Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: NMOCC Case No. 5970
Texaco Statutory Unitization

Dear Mr. Stamets:

Please find enclosed an example of how Phillips Petroleum recommends that the special allowable be determined for the proposed Texaco Central Vacuum Unit in the above case.

Very truly yours,


W. Thomas Kellahin

CC: Mr. Bill Mueller
Mr. Ken Bateman

JWK:kfm

Enclosure

PHILLIPS PETROLEUM COMPANY'S METHOD
FOR DETERMINING SPECIAL ALLOWABLE
IN N.M.O.C.C. CASE NO. 5970

TEXACO INC., OPERATOR

CENTRAL VACUUM PRESSURE MAINTENANCE UNIT
Vacuum Grayburg-San Andres Pool, Lea County, New Mexico

Monthly Report for June , 1977

Well No.	Location Unit/Sec.	Well Status	Latest Well Test Data				Monthly Production Average				Monthly Injection			Requested Allowable, BOPD		
			Date Mo./Yr.	Oil BOPD	Water BOPD	Gas MCFD	GOR CF/B	BOPD	June, 1977		Water BPD	W.H. Press. PSI	Cumulative MBW	Normal Project	Special	Total
									BWPD	MCFD						
56	F - 36	Inj.	-	-	-	-	-	-	-	900	850	27	-	-	-	
57	G - 36	Inj.	-	-	-	-	-	-	-	900	800	27	-	-	-	
58	H - 36	Inj.	-	-	-	-	-	-	-	900	850	27	-	-	-	
66	H - 36	Pump	5-77	200	50	200	1000	160	40	160	1000	-	-	80	120	200
67	G - 36	Pump	5-77	180	100	280	1556	160	89	138	1556	-	-	80	100	180
68	F - 36	Pump	6-77	50	10	40	800	50	10	40	800	-	-	80	0	80
71	K - 36	Inj.	-	-	-	-	-	-	-	900	850	27	-	-	-	
72	J - 36	Inj.	-	-	-	-	-	-	-	900	830	27	-	-	-	
78	J - 36	Pump	6-77	400	100	800	2000	230	58	460	2000	-	-	80	135	215
79	K - 36	Pump	4-77	300	100	400	1333	200	67	267	1333	-	-	80	100	180
			Total				800	264	1,065	1331	836	135	400	455	855	
							(2)		(3)		4,500 (1)	*	**			

Project Allowable = Top Unit Allowable (80 BOPD) x Developed 40-Acre Units (5) = 400* BOPD.

Net Water Injected = Total Water Injected (4,500 BPD) - Total Water Produced (264 BWPD) = 4,236 BPD.

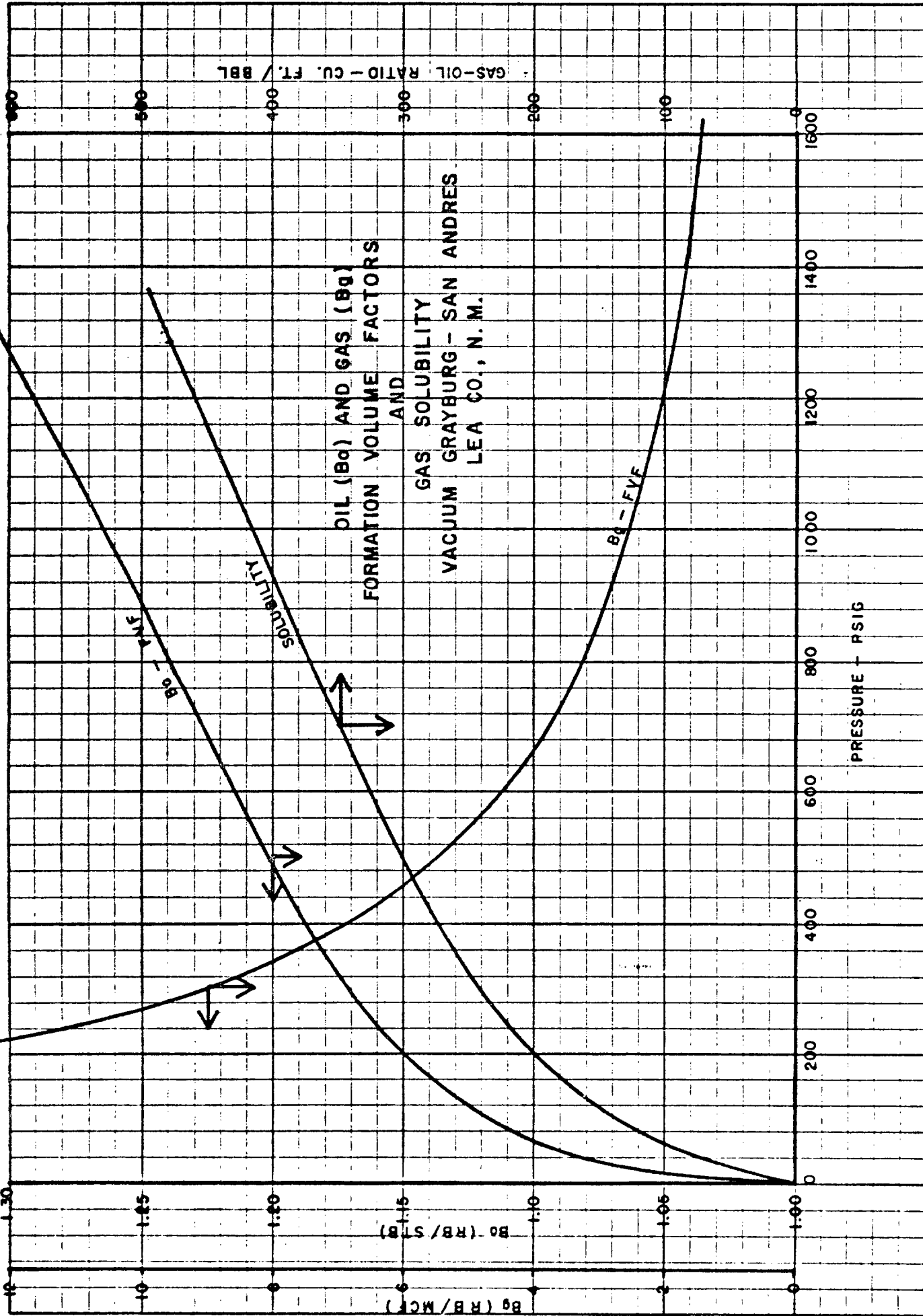
Reservoir Pressure in Project Area = 700 PSI Based Upon Last B.H.P. Survey
Bo = 1.227 Reservoir Bbls./Stock Tank Bbl., Oil Formation Volume Factor.
Bg = 3.8 Reservoir Bbls./Mcf, Gas Volume Factor.
Rs = 350 Cubic Feet/Stock Tank BO, Solution GOR.

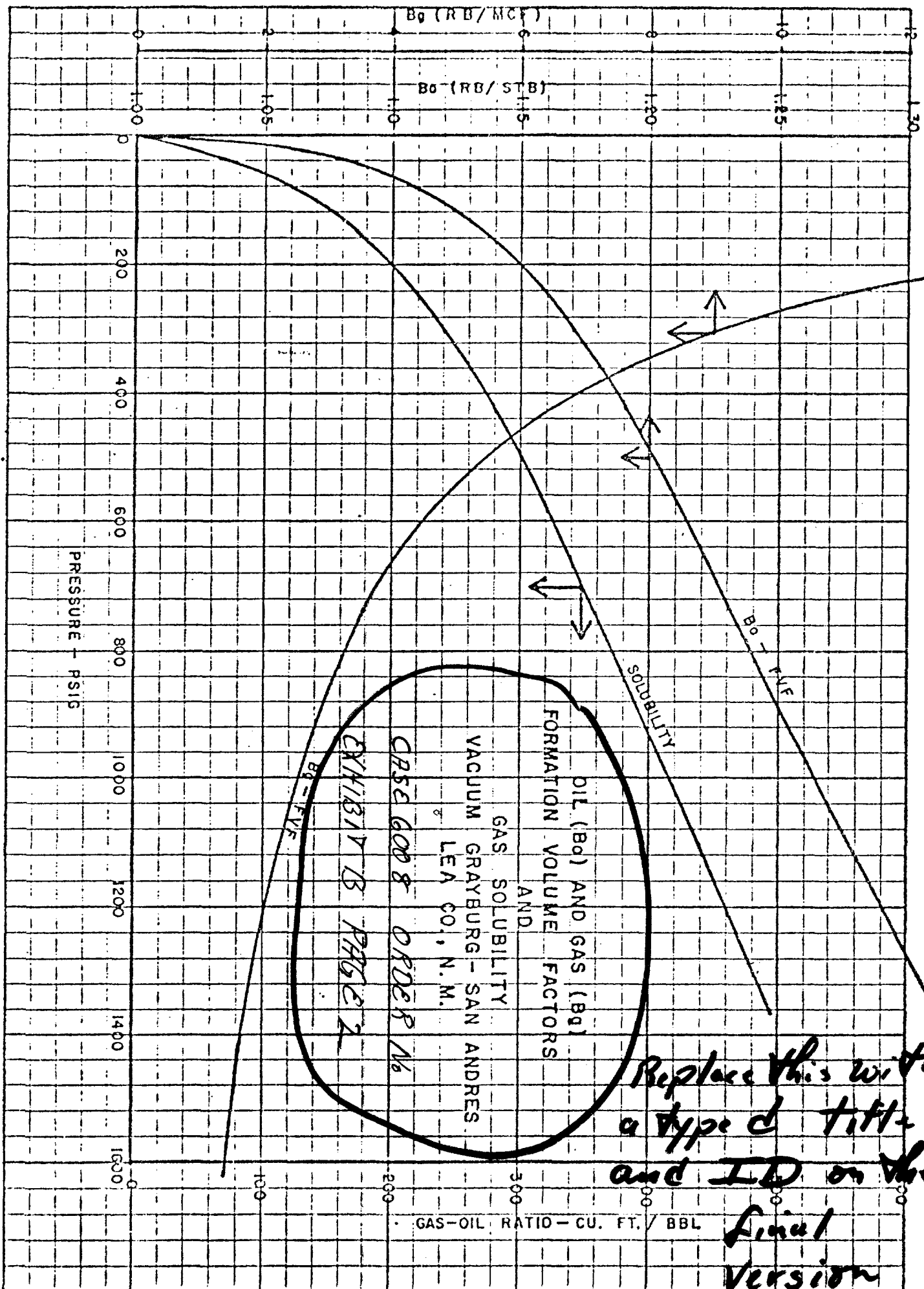
Reservoir Oil and Gas Voidage of Project Allowable = 400* BOPD [Bo + (GOR-Rs) / (1000) x Bg] = 400 [1.227 + (1.331-0.350) 3.8] = 1,982 BPD.

Special Allowable = [Net Water Injected (4,236 BPD) / Oil and Gas Voidage of Project Allowable (1,982 BPD) - 1] x Project Allowable (400* BOPD).

Special Allowable = [4,236 / 1,982 - 1] x 400 BOPD = 1.137 x 400* BOPD = 455** BOPD.

Note: Special allowable is never to be less than 0 BOPD. (Do not use negative number.)

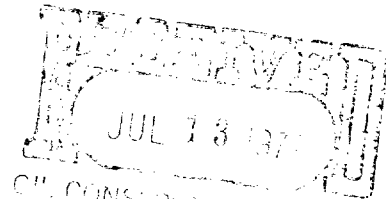






PETROLEUM PRODUCTS

July 12, 1977



TEXACO INC.
DRAWER 728
HOBBS, NEW MEXICO 88240

APPLICATION OF TEXACO INC.
FOR UNITIZATION AND UNIT OPERATION

Case No. 5970
Central Vacuum Unit
Lea County, New Mexico

New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico 87501

ATTENTION: MR. R. L. STAMETS

Gentlemen:

As per your recent request, enclosed are a list of unorthodox locations for injection wells for the proposed Central Vacuum Unit and diagrams of each of the plugged and abandoned wells within one-half mile of the Central Vacuum Unit boundary. The Mobil Oil Company's New Mexico "CC" State Comm. No. 1 (Loc. L-36, 17-S, 34-E) is shown on our Exhibit No. 17 as being plugged and abandoned. Our current information indicates that this well is producing from the Vacuum Wolfcamp and North Abo pools; therefore, its diagram is not included.

Yours very truly,


J. V. Gannon
District Superintendent

WRH:las

Attachments

White, Koch, Kelly & McCarty

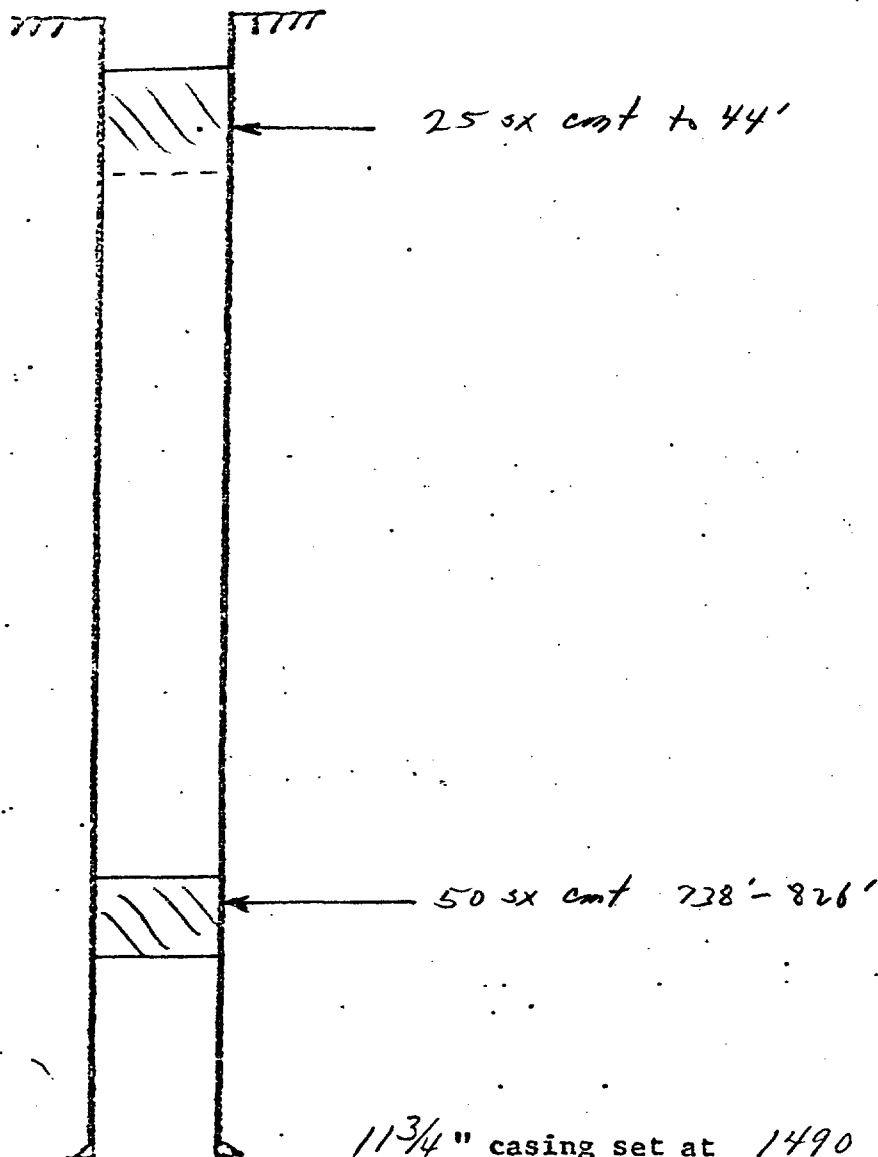


Working to keep
your trust for
75 years

FIELD <i>Wacunan -</i>	OPERATOR <i>Texaco Inc.</i>	DATE <i>May 3, 1976</i>
LEASE <i>N.M. "L" State</i>	WELL NO. <i>8</i>	LOCATION <i>G-1-185-34E</i>

P&A (4-16-64).

Spotted 50sx cmt plug from 738'-826'
 " 25sx cmt plug to 44'.



11 3/4" casing set at 1490' with 1000 sx of 200sx C/C Neat cement
 Hole size 15" 12% CaCl.

TD 1490'

800x C/C 4 3/4" 3rd

Cmt. Circ.

FIELD	UJIDCHT	OPERATOR	TEXACO INC.	5-5-76
LEASE	N.M. "10" State (1157-3)	WELL No	14	LOCATION M-1-185-34E

14EN

15 sk. plug @ Surface

30 sk. Plug 1550'-1650'

8 5/8" casing set at 1605' with 550 sk of 450 wt 4% G-l
Hole size NA " 100 Penetration cement
(assumed 10 3/4" for cent. calc.) INCORP
CMT. calc. as circulated.

Perf. 3060'-3120'

25 sk. Plug 2450'-2550'

Cur 4 1/2" csg. @ 2940' f. pull

25 sk. Plug 2950'-3155'

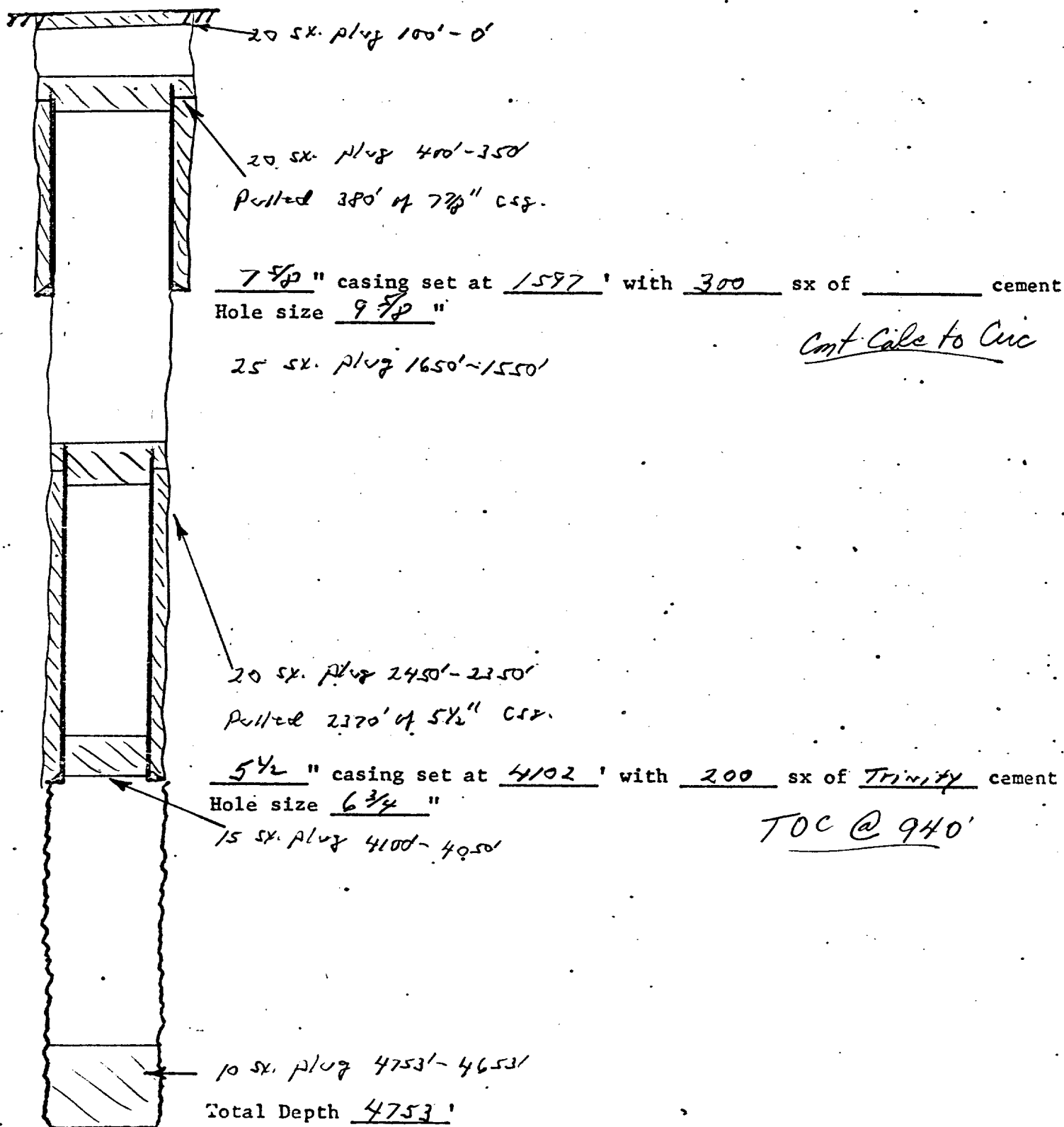
4 1/2" casing set at 3332' with 150 sk of 4% G-l cement
Hole size 7 7/8" CMT. type @ 25.75
BY TS

Total Depth 3922'

Prob OK
SA
clapper

FIELD	VACUUM GRAYSON SA	OPERATOR	TEXACO INC.	DATE	5-7-76
LEASE	N. 11. "T" STATE (NCT-1)	WELL NO.	1	LOCATION	H-25-175-34E

PEA

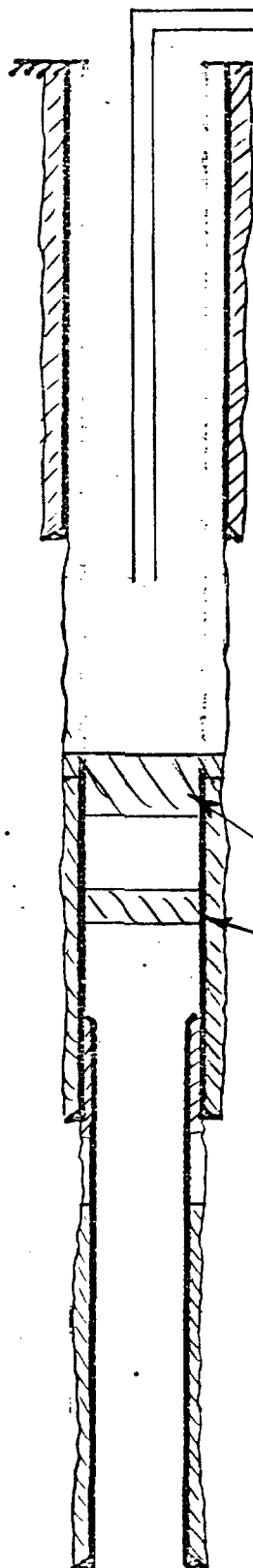


FIELD	VACUUM RLY. & CLOR.	OPERATOR	TEXACO INC	DATE	5-6-76
LEASE	N.M. "M" State	WELL No	6	LOCATION	C-1-185-34E

Casing Parted
Plug & Abandoned

P&A

→ To SWD well to relieve Press on salt section



11 3/4 " casing set at 1550 ' with 1050 sx of 800 c" w/4% Gel
Hole size 15 " 250 c" Max cement
Circulated

pulled 2493' of 8 5/8" csg.

200 sx. Plug @ 2500'

25 sx. Plug @ 2600'

3357 ' Liner top
Squeezed 8 5/8 w/650 sx. INCON vent
8 5/8 " casing set at 3400 ' with 350 sx of 200 c" w/8% Gel
Hole size 10 5/8 " 150 c" Max cement

part: 5954' - 6028'

Calc. @ 537'

4 1/2 " liner set at 6800 ' with 950 sx of 400 c" w/8% Gel
Total Depth 6800 ' Hole size 7 5/8 " 550 c" w/2% cement
Gel

CMT. Plug @ 3820'
By JS

FIELD.	Operator	DATE
Vacuum Gravity San Andres	Texas Inc.	May 3, 1976
LEASE	WELL No	LOCATION
N. 17 "AE" state	3	B-11-185-34E

P&A (1952)

spotted 12 sx cmt. 4748' - 4642'

" 12 sx cmt. 4339' - 4233'

" 15 sx cmt. 3085' - 3035'

" 15 sx cmt. 2860' - 2760'

" 15 sx cmt. 1585' - 1535'

" 45 sx cmt 1720' - 1570'

" 10 sx cmt @ surface (8 5/8" CSS)

5 1/2" log stub @ 2800' (4-20-52)

10 sx cmt @ surface

15 sx cmt 1585' - 1535'

45 sx cmt 1720' - 1570'

8 5/8" casing set at 1620' with 750 sx of 100sx El Toro Reg cement
Hole size 11" 650 sx El Toro 6 1/2" set
Cmt. Circ.

5 1/2" CSS cut @ 2800'

15 sx cmt 2860' - 2760'

15 sx cmt. 3085' - 3035'

12 sx. cmt. 4339' - 4233'

5 1/2" casing set at 4286' with 500 sx of Trinity Bulk cement
Total Depth 4855' Hole size 7 7/8"

open hole

4286 - 4855'

12 sx cmt 4748' - 4642'

Cmt Calc to Circ

FIELD <i>Vacuum</i>	OPERATOR <i>Texaco Inc</i>	DATE <i>May 3, 1976</i>
LEASE <i>N. M. "AE" state</i>	WELL NO. <i>1</i>	LOCATION <i>D-12-18S-34E</i>

"N" st #9

PFA

spotted 30 sx cmt from 4743'-4650'

" 25 sx " " 4325-4150'

Pulled 1125' of 5 1/2" csg.

spotted 60 sx cmt plug from 1134'-775' (from top 5 1/2")

" 20 sx cmt @ surface (1-26-46)

20 sx cmt @ surface

8 5/8 " casing set at 825 ' with 300 sx of Howes cement.
Hole size 10 "

calc to Circ

5 1/2" csg cut @ 1125'
60 sx cmt 1134'-775'

5 1/2 " casing set at 4222 ' with 200 sx of Howes cement.
Hole size 6 3/4 "

25 sx cmt 4325'-4150'

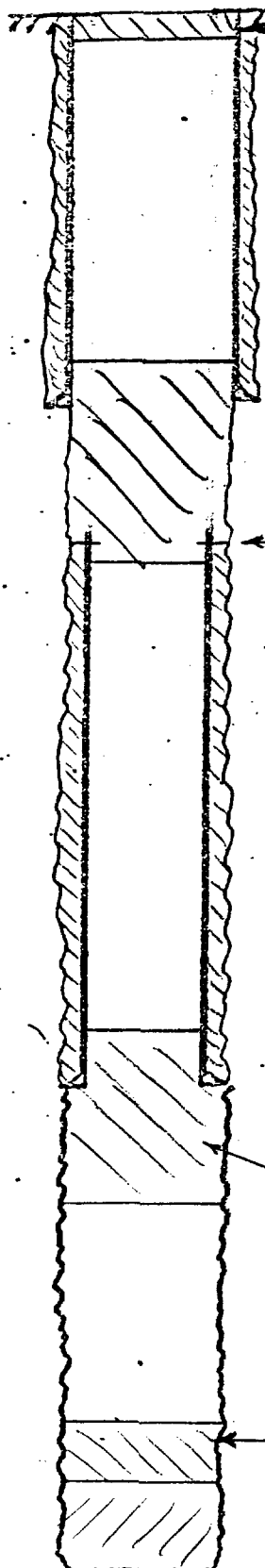
TOC 1061'

Open Hole

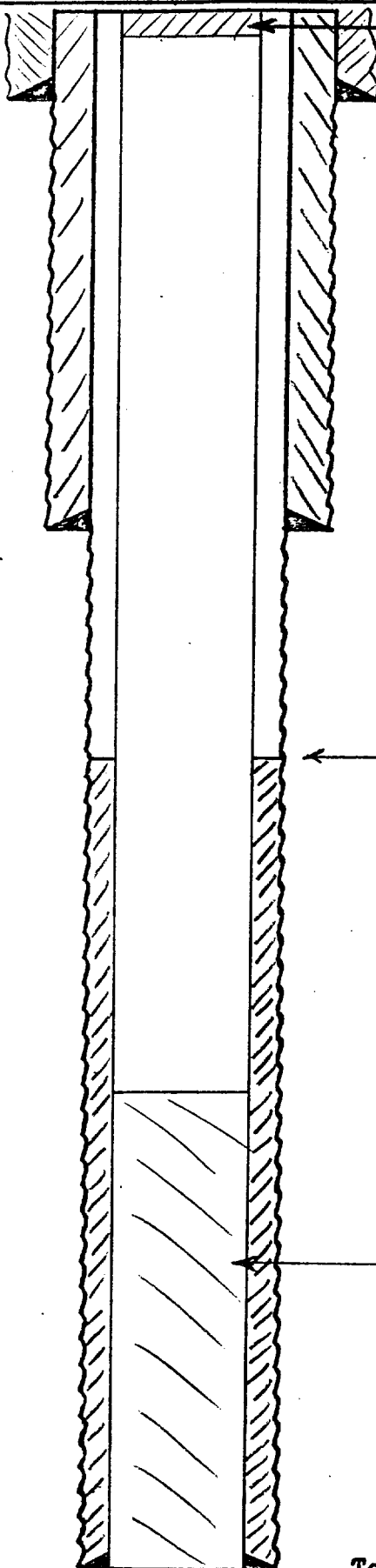
30 sx cmt 4743'-4650'

Total Depth 5194 '

PBTD 4743'



FIELD	Vacuum	OPERATOR	EXXON	DATE	
LEASE	New Mexico 'J' State	WELL NO.	1	LOCATION	M-19-17-35



10 sx cmt @ Surface P&A
 12 1/2" casing set at 230' with 200 sx of _____ cement
 Hole size _____". Cmt. Circulated

8 5/8" casing set at 1556' with 500 sx of _____ cement
 Hole size _____". Cmt Circulated

← Cmt top @ 2340'

← 60 sx cmt 4725 - 4197'

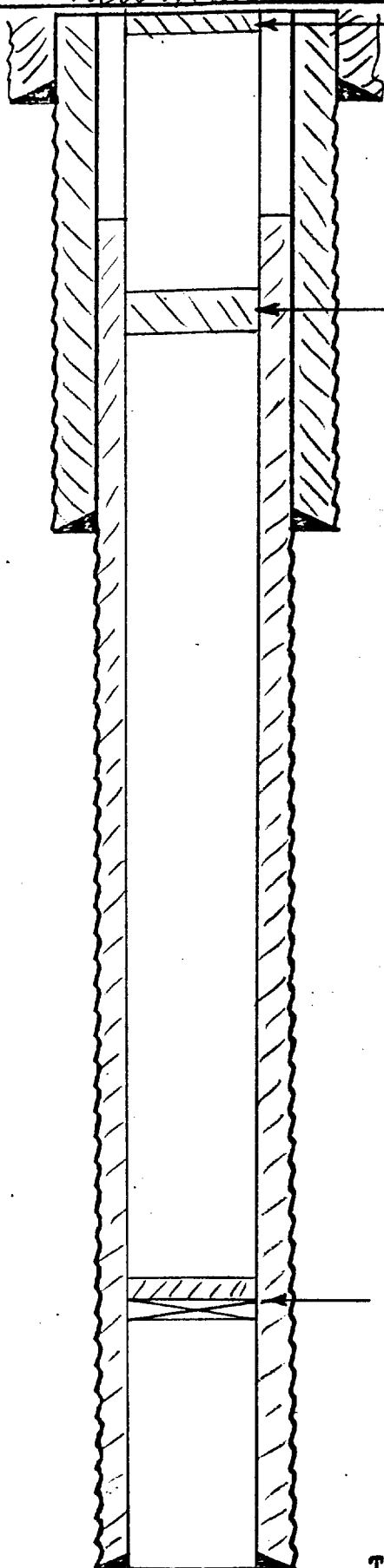
5 1/2" casing set at 4298' with 275 sx of _____ cement
 Hole size 7 3/4".

Top cmt @ 2340'

Total Depth 4725'.

2" se + perf
below 4300' fd

FIELD	<u>Uacum</u>	OPERATOR	<u>EXXON</u>	DATE	
LEASE	<u>New Mexico 'J' state</u>	WELL NO.	<u>2</u>	LOCATION	<u>L-19-17-35</u>



21' cmt @ Surface P&A
10 3/4" casing set at 220' with 125 sx of _____ cement
Hole size _____". cmt Circulated

200' cmt 885-685 (25 sx.)

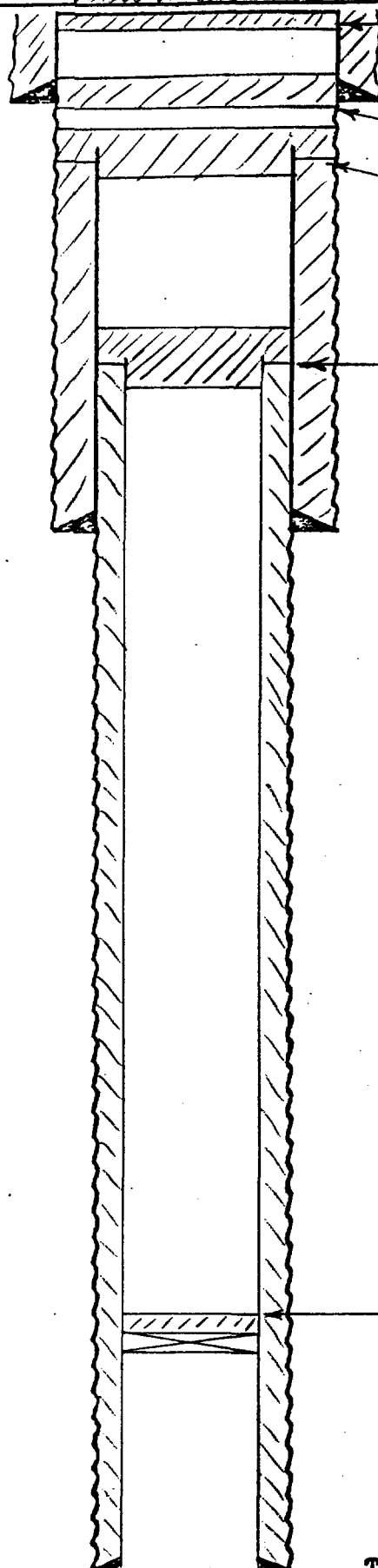
7 5/8" casing set at 1691' with 400 sx of _____ cement
Hole size _____". cmt Circulated

CI BP @ 3860' w/ 10' cmt on top

5 1/2" casing set at 4365' with 275 sx of _____ cement
Hole size 6 3/4". cmt top @ 515

Total Depth 4765'.

FIELD	Vacuum	OPERATOR	Exxon	DATE	
LEASE	New Mexico "B0" state	WELL NO.	4	LOCATION	P-12-18-34



10 sx cmt @ surface

13 3/8" casing set at 313' with 320 sx of cement

Hole size _____"

75 sx cmt @ 363'

8 5/8" csg cut @ 1011'

cmt 75 sx @ 1053'

P & A

cmt Circulated

4 1/2" csg cut @ Free point 2197'

cmt 35 sx @ 2253-

8 5/8" casing set at 3388' with 600 sx of cement

Hole size _____"

cmt top @ 628'

BP @ 8600' w/35 sx cmt on top.

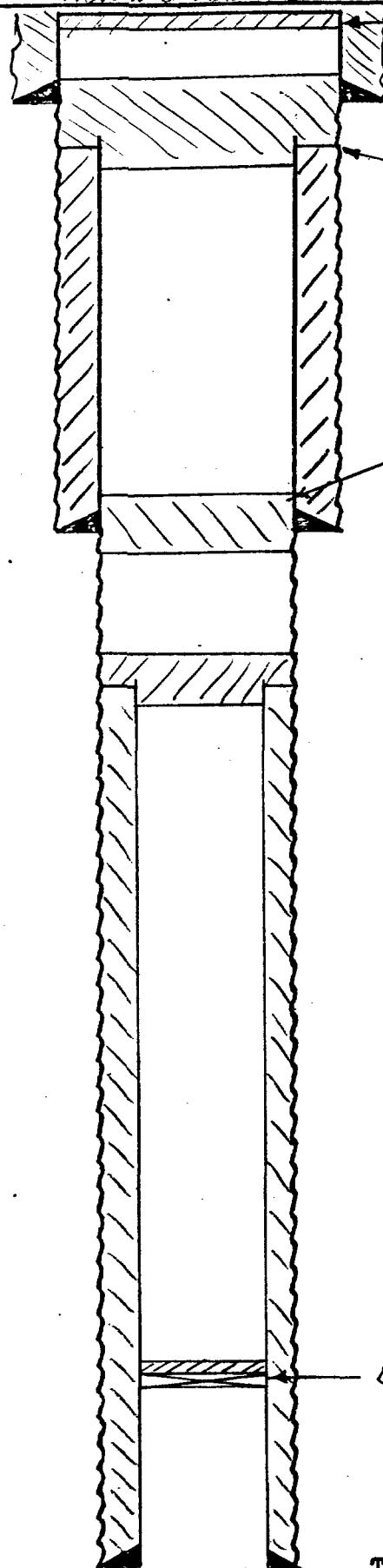
4 1/2" casing set at 9500' with 1300 sx of cement

Hole size 7 7/8"

cmt top @ 2831'

Total Depth 9500'.

FIELD	<i>Vacuum</i>	OPERATOR	<i>Exxon</i>	DATE	
LEASE	<i>New Mexico "B0" state</i>	WELL NO.	<i>6</i>	LOCATION	<i>0-12-18-34</i>



10 5x cmt @ surface
13 3/8" casing set at 319' with 325 sx of cement
Hole size _____".
P&A
Circulated

Cut 8 5/8" CSG @ 400'
cmt 150sx 447-250'

35sx cmt 3450-3350'
8 5/8" casing set at 3403' with 650 sx of cement
Hole size _____".
Cmt Top @ 413

4 1/2" CSG cut @ Free point 4017'
cmt 60sx 4017-3900'

8P @ 8700', w/35' cmt on top

4 1/2" casing set at 9024' with 1150 sx of cement
Hole size 7 5/8".
Top Cmt 3113'

Total Depth 9025'.

FIELD <u>VACUUM 6-SA</u>	OPERATOR <u>PHILLIPS PETROLEUM</u>	DATE <u>5-3-76</u>
LEASE <u>SANTA FE</u>	WELL NO. <u>16</u>	LOCATION <u>1925 ALOW SEC 5 T1E5 R3SE</u>

PLUGGED

Unit L

15' cnt plug @ Surface

9 5/8" casing set at 1548' with 875 sx of TRINITY cement
Hole size 12 1/4" cement to top of casing

30sx cnt 1565' -

7" csg cnt @ 2700'
30sx cnt

20sx cnt plug 3195' - 3095'

7" casing set at 4175' with 400 sx of TRINITY cement
Hole size 8 3/4" TOP OF CEMENT (CALC) 1358'

PERF FROM 3120-3180 (YATES) (DRY HOLE)

{ PLUGGED FROM 3195-3095 WITH 20SX CEMENT
PULLED CASING FROM 2700'. HOLE FILLED TO 1555 WITH MUD. PLUGGED
WITH 30SX CEMENT. FILLED HOLE TO 15' WITH MUD, CEMENTED TO SURFACE

{ PLUGGED FROM 5030' TO 4737 WITH CEMENT
FILL WITH MUD TO 4376, CEMENT FROM 4376 TO 4074

SHOT AT 4376-4737 WITH SP-6

Total Depth 5030' 6 1/2" OPEN HOLE FROM 4176-5030

FIELD Vermont No. 1	OPERATOR LITTLE OIL COMPANY	DATE 5/5/46
LEASE S.W. 1/4 "RN"	WELL NO. 10	LOCATION P-7-18-35

231

10 5x 0mt Plug @ Surface.

35 5x 0mt Plug across 8 5/8" stub @ 206'-200'
shot 8 5/8" CSG dlt @ 250'

13 3/8" casing set at 344' with 350' sx of Reg. Wt. cement & CIRC.

Hole size 17 1/2"

Top of 0mt @ 370' by Temp. Survey.

shot 5 1/2" CSG dlt @ 2110'

25 5x 0mt Plug in 10 1/2" stub @ 2123'-2200'

Top of 0mt @ 3800' by Temp. Survey.

Top of 0mt @ 4705'

7 7/8" casing set at 4850' with 1471' sx of Reg. Wt. cement

Hole size 11"

Part of Sandstone

5423' 0mt (250')

CTBP @ 5700'

8933' 0mt to 8930'

CTBP @ 8960'

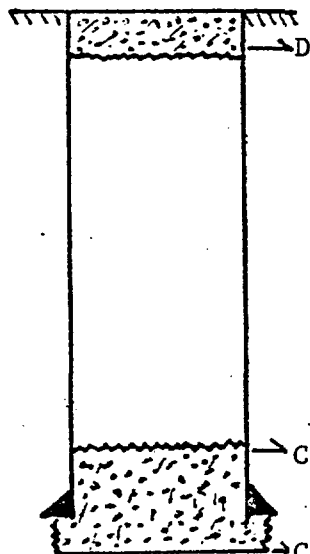
Part of 160' CTBP @ 8977'

5 1/2" casing set at 9012' with 325' sx of Incon. Wt. cement

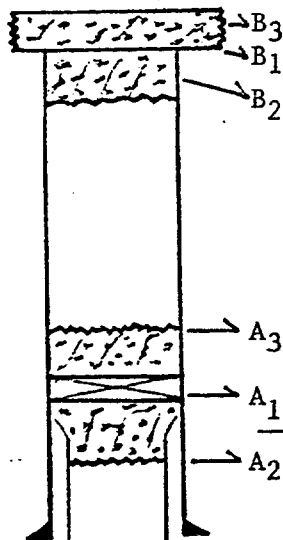
Total Depth 9012' Hole size 7 1/8"

FIELD	VACUUM (G-SA)	OPERATOR	MARATHON OIL COMPANY	DATE	6/30/76
LEASE	Staplin State a/c 1	WELL NO	2	LOCATION	Sec.30-T17S-R35E

STATUS: PLUGGED & ABANDONED ✓



9-5/8" casing set at 497' with 175 sx of Oil Well cement
Hole Size 11" Cement Top Circ'd (Calculated)



PLUG & ABANDON SUMMARY

- A₁ Cement retainer @ 3900'
- A₂ Cement plug - 40 sx under retainer.
- A₃ Cement plug - 10 sx on retainer
- B₁ Cut off - 7" @ 686'
- B₂ Cement plug - 25 sx in 7".
- B₃ Cement plug - 25 sx out of 7".
- C₁ Cement plug - 25 sx out of 9-5/8".
- C₂ Cement plug - 25 sx in 9-5/8".
- D Cement plug - 10 sx top of 9-5/8".

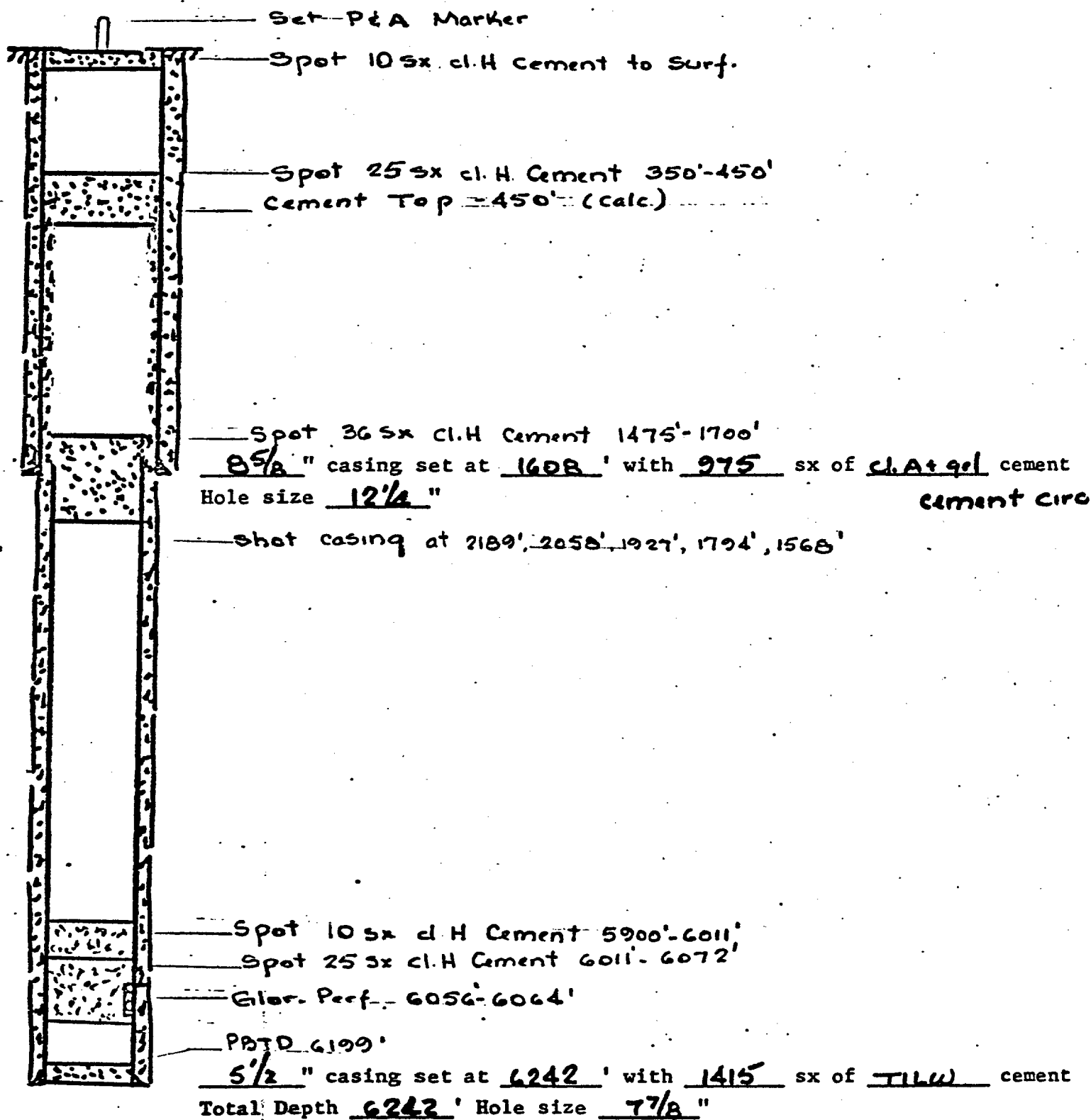
7" casing set at 4082' with 500 sx of Oil Well cement
Hole size 8-3/4" Cement Top 2420' (Bond Log)

Perfs. 4488-4589'
Perfs. 4638-4698'

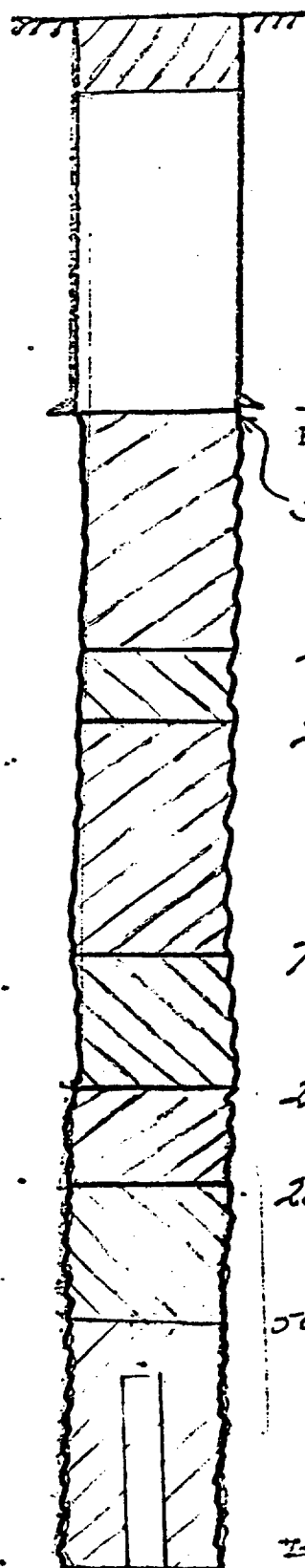
4-1/2" liner set at 4710' with 100 sx of Latex cement
Total Depth 4707' Hole size 6-1/8" Cement Top 4170' (Temp. Survey)
Liner top sqzd w/50 sx Latex Reg. cement.

P. & A.

FIELD	Vacuum Glorieta	OPERATOR	Mobil Oil Corp	DATE	5-21-76
LEASE	Bridges. State	WELL No	115	LOCATION	A. Sec 25, T17S, R34E

5-21-76
JHS

FIELD	GLORIETTA	OPERATOR	Continental Oil Company	DATE	MAY 7, 1976
LEASE	STATE H-35	WELL NO.	UNIT C	LOCATION	SEC. 35, T-17S, R-34E
P&A 2-13-64					



10 5X. CMT PLUG TO SURFACE.

10 3/4" casing set at 1520' with 795 SX. of REG. NEAT cement
Hole size 15" Top of cement SURFACE.

50 5X. CMT PLUG AT 1520', BASE OF SURFACE.

25 5X. CMT PLUG AT 2670', BASE SALT

25 5X. CMT. PLUG AT 2825', TOP YATES

70 5X. CMT. PLUG AT 3800', QUEEN

25 5X. CMT PLUG AT 4430', TOP SAN ANDRES

25 5X. CMT PLUG AT 4760', BASE SAN ANDRES

50 5X. CMT PLUG AT 5915', GLORIETTA

Total Depth 6400'

JOHNSON STRADDLE PACKERS, DST TOOLS, DRILL JARS &
11-7" DRILL COLLARS LEFT IN HOLE.



OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO
P. O. BOX 2088 - SANTA FE
87501



STATE GEOLOGIST
EMERY C. ARNOLD

DIRECTOR
JOE D. RAMEY

LAND COMMISSIONER
PHIL R. LUCERO
August 11, 1977

Mr. Kenneth Bateman
White, Koch, Kelly & McCarthy
P. O. Box 787
Santa Fe, New Mexico

Re: CASE NO. 5970
ORDER NO. R-5496

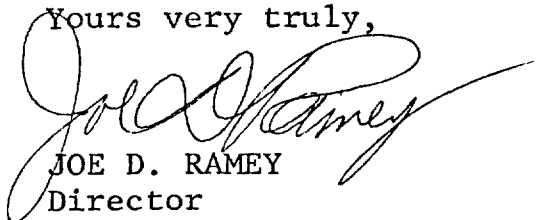
Applicant:

Texaco Inc.

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Yours very truly,


JOE D. RAMEY
Director

JDR/fd

Copy of order also sent to:

Hobbs OCC x
Artesia OCC x
Aztec OCC

Other Tom Kellahin



PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79761
PHILLIPS BUILDING

NATURAL RESOURCES GROUP
Exploration and Production

June 16, 1977

Case 5970: Application of
Texaco Inc. for Statutory
Unitization--Vacuum-Grayburg
San Andres Pool, Lea County,
New Mexico

File: W4-Ro-21-77

New Mexico Oil Conservation Commission (3) ✓
P. O. Box 2088
Santa Fe, New Mexico 87501

Gentlemen:

In the matter of Case 5970, application of Texaco Incorporated for statutory unitization of certain properties in the Vacuum-Grayburg San Andres Pool, Lea County, New Mexico, the applicant has presented a plan for operation of the proposed unit. Texaco Incorporated has informed Phillips Petroleum Company that if this proposal for pressure maintenance is approved by the Commission, an increase in both oil and gas production can be expected from the unitized properties. We have been informed that the casinghead gas volumes from such properties may increase to a peak in 1979 that will exceed current daily gas production by 1.2 MMCF per day.

Phillips Petroleum Company is the principal purchaser of casinghead gas from the proposed unitized area, and delivers this gas to our Lee gasoline plant. Phillips wishes to inform the Commission that if operations by Texaco yield this predicted increase in gas, the receiving and processing of this additional volume will not present a problem to Phillips, and will not result in the flaring of gas at our plant which is now operating well below nominal capacity.

Yours truly,

PHILLIPS PETROLEUM COMPANY

F. F. Lovering, Manager,
Southwestern Region

WCR:db



PHILLIPS PETROLEUM COMPANY

ODESSA, TEXAS 79761
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