

CASE 6466: GETTY OIL COMPANY FOR A DUAL
COMPLETION, LEA COUNTY, NEW MEXICO.

Anberg

5923 T3

CASE NO.

6466

APPLICATION,
TRANSCRIPTS,
SMALL EXHIBITS,
ETC.



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

JERRY APODACA
GOVERNOR

NICK FRANKLIN
SECRETARY

April 3, 1979

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

Mr. William F. Carr
Campbell & Black
Attorneys at Law
Post Office Box 2208
Santa Fe, New Mexico

Re: CASE NO. 6466
ORDER NO. R-5937

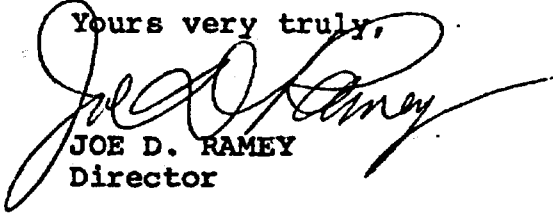
Applicant:

Getty Oil Company

Dear Sir:

Enclosed herewith are two copies of the above-referenced
Division 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 Chester Blodget

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. 6466
Order No. R-5957

APPLICATION OF GETTY OIL COMPANY
FOR A DUAL COMPLETION, LEA
COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on February 28, 1979, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 30th day of March, 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, Getty Oil Company, seeks authority to complete its State 35 Well No. 1, located in Unit K of Section 35, Township 21 South, Range 34 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce oil from an undesignated Wolfcamp pool and gas from the Grama Ridge-Morrow Gas Pool through parallel strings of tubing.

(3) That the evidence presented established that the "Wolfcamp" pool is more properly defined as a Bone Spring pool.

(4) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.

(5) That the Division Director should be authorized to rescind the authority granted by this order whenever it should appear that the method of production of the Bone Spring zone is no longer efficient.

-2-

Case No. 6466

Order No. R-5957

(6) That approval of the subject application will prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Getty Oil Company, is hereby authorized to complete its State 35 Well No. 1, located in Unit K of Section 35, Township 21 South, Range 34 East, NMFM, Lea County, New Mexico, as a dual completion (conventional) to produce oil from an undesignated Bone Spring pool and gas from the Grama Ridge-Morrow Gas Pool through parallel strings of tubing with separation of the zones to be achieved by means of a packer to be set at approximately 10,187 feet.

PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Division Rules and Regulations insofar as said rule is not inconsistent with this order;

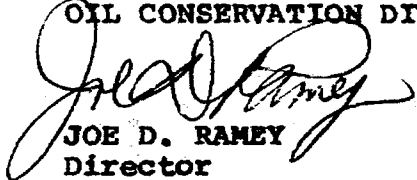
PROVIDED FURTHER, that the applicant shall take Packer-Leakage tests upon completion and annually thereafter during the Annual Shut-In Pressure Test Period for gas wells in South-eastern New Mexico.

(2) That the Division Director may administratively rescind the dual completion authority granted by this order if it should appear that the method of production of the Bone Spring zone is no longer efficient.

(3) 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


S E A L

fd/

MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-118
Effective 1-4-65

All distances must be from the outer boundaries of the Section

Operator GETTY OIL COMPANY		Lease 35 Getty/State		Well No. 1
Unit Letter WKM	Section 35	Township 21 S.	Range 34 E.	County Lea
Actual Well Location of Well:				
2310 feet from the South line and		1650 feet from the West line		
Ground Level Elev. 3675.8	Producing Formation Mariow	Pool Undesignated	Dedicated Acreage 640	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes" type of consolidation Drilling Unit

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

BEFORE EXAMINER STAMETS OIL CONSERVATION DIVISION Applicant EXHIBIT NO. <u>1</u> CASE NO. <u>6466-76967</u> Submitted by <u>Getty</u> Hearing Date <u>2/28/79</u>	

CERTIFICATION

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

Name

Practice

City

State

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date of Survey

January 4, 1978

Registered Professional Engineer and Land Surveyor

Herschel L. Jones
Certificate No. **3640**

GETTY "35" STATE WELL NO. 1
MORROW-WOLFCAMP DUAL COMPLETION

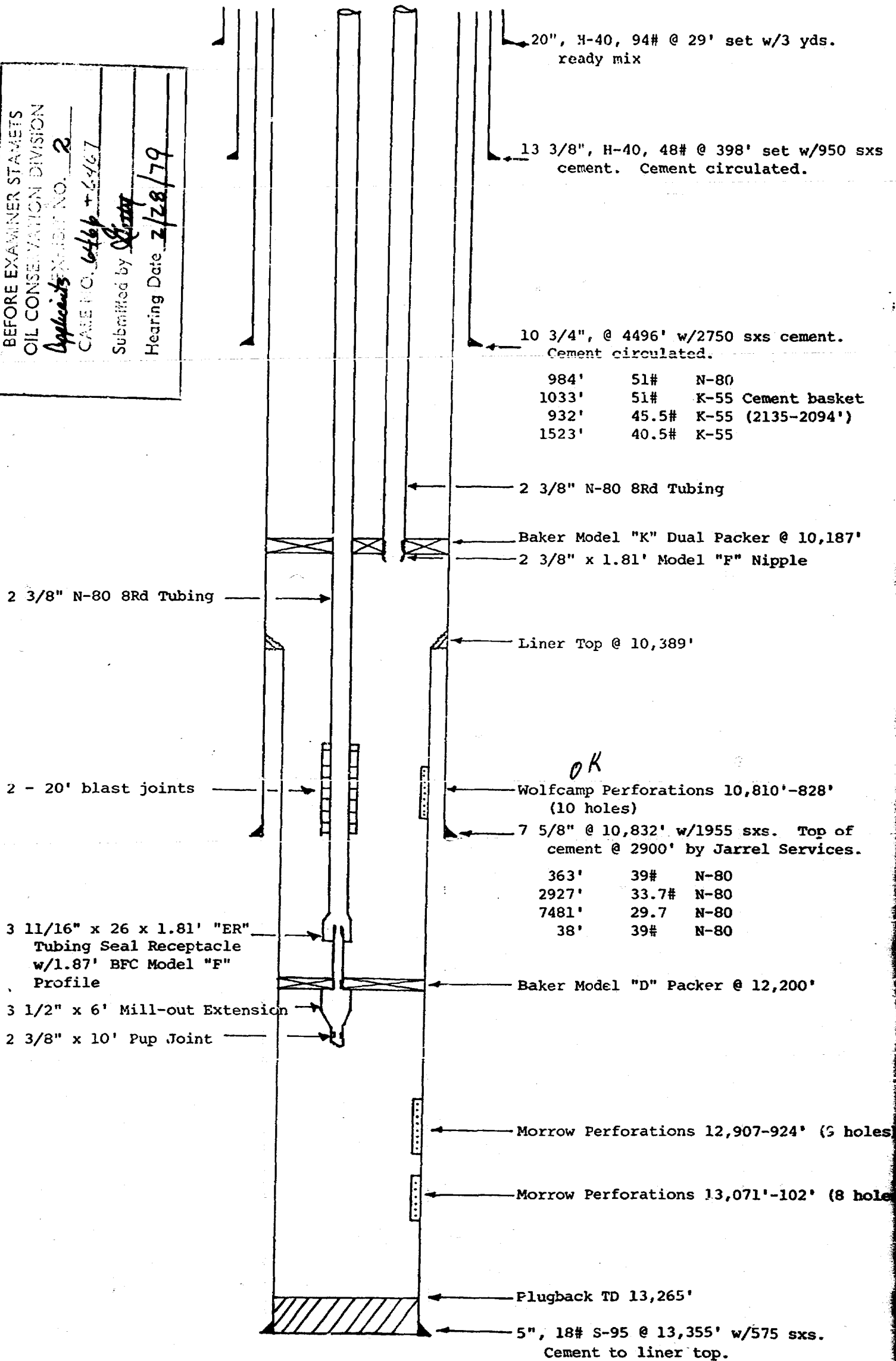
BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION

Applicant's EXHIBIT NO. 2

CASE NO. 6466 + 6467

Submitted by Getty

Hearing Date 2/28/79



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

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

3-MOCC-HOBBS
1-R. J. STARRAK-TULSA
1-A. B. CARY-MIDLAND
1-FILE

1-MYM, ENGR.
1-PEICO-MIDLAND
1-SOUTHLAND-MIDLAND
1-MESA-MIDLAND
1-BH, FIELD CLERK

Form O-105
Revised 11-1-68

5a. Indicate Type of Lease

State ☒ Per ☐

6. State Oil & Gas Lease No.

L-723

7. Unit & Production Name

8. Form of Lease Name

Getty "35" State

9. Well No.

1

10. Field or Pool, or Unit

Wolfcamp
Grama Ridge Morrow

1b. TYPE OF WELL

OIL WELL ☒ GAS WELL ☒ OTHER ☐ Dual

b. TYPE OF COMPLETION

NEW WELL ☒ RE-ENTRY ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESER. ☐ OTHER ☐

2. Name of Company

Getty Oil Company

3. Address of Company

P. O. Box 730, Hobbs, New Mexico 88240

4. Location of Well

UNIT LETTER K LOCATED 2310 FEET FROM THE South LINE AND 1650 FEET FROM

THE West LINE OF SEC. 35 TWP. 21S RGE. 34E NEPM

11. County

Lea

15. Date Spudded

3-15-78 (w)

16. Date T.D. Reached

10-25-78

17. Date Completed (Ready to Prod.)

10-11-78 Wolfcamp

18. Elevations (D.F., R&B, R.T., GR, etc.)

3675.8 GR

19. Elev. Cratering/Level

20. Total Depth

13,355

21. Plug back T.D.

13,265

22. If Shutting to Comp., How Many

Dual

23. Entry in

History Tools

810'-13,355'

24. Cable Tools

0-810'

24. Producing Intervals, of this completion - Top, Bottom, Name

10,810-10,828 Wolfcamp - Oil

12,907-13,102 Morrow - Gas

25. Well Directional Survey

Yes

25. Type Electric and Other Logs Run

BHC, CNL-FDC; DLL; and Dipmeter 13,100-10,832',

Cement Bond Log: & PFC - Schlumberger

27. Was Well Cased

Yes

26.

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB. FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20		29	24	3 yds. Ready Mix	
13 3/8	48	398	16	950 sxs Cement Circ.	
10 3/4	51,45.5 & 40.5	4496	12 1/2	2750 sxs Cement Circ.	575 sxs circ.
7 5/8	39,33.7 & 29.7	10832	9 1/2	1955 sxs	

29.

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
5"	10,389	13,354	575 sxs	Dual

30.

TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8	10,187	10,187
2 3/8	12,200	12,200

31. Perforation (Interval, size and number)

Wolfcamp: 10,810,12,14,16,18,20,22,24,26, & 28' = 10 (.36") holes.

Morrow: 12,907,09,11,14,16,18,20,22,24; 13,071,81,85,92,94,98,100, & 102 = 17 (.36") holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
10,810-28' (Wolf.)	5000 gals. MOD 202 15% - 15 ball sealers.

33.

PRODUCTION

Date Flow Test	Flowing	Flowing	Flowing	Flowing	Flowing	Flowing	Flowing
Wolfcamp 11-10-78	Flowing	Flowing	Flowing	Flowing	Flowing	Flowing	Flowing
Morrow 1-3-79	Flowing	Flowing	Flowing	Flowing	Flowing	Flowing	Flowing
Wolfcamp 11-15-78	24 hrs.	20/64"	600	1,153	799	1921/1	
Morrow 1-8-79	4 Pt.	Various	600	1,153	799	1921/1	
Wolfcamp 1765# Packer	24 hrs.	20/64"	600	1,153	799	1921/1	
Morrow 4400# Packer	24 hrs.	20/64"	600	1,153	799	1921/1	

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

Sold

35. List of Amendments

Deviation Schedule & 4 Point Test

36. 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.

Submitted by

SIGNED Dale R. Crockett

TITLE

Area Superintendent

2/28/79

1-25-79

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radioactivity logs run on the well and a summary of all special tests conducted, including full stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quadruplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn <u>11,682'</u>	T. Kittland-Fruitland _____	T. Penn. "C" _____
T. Salt _____	T. Alaka <u>(Time) 12,151'</u>	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates <u>4,160'</u>	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzite _____
T. Glorieta _____	T. McKee _____	T. Base Greenhorn _____	T. Granite _____
T. Padlock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinchry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs <u>8,342'</u>	T. Wingate _____	T. _____
T. Wolfcamp <u>(Shale) 10,070'</u>	T. Morrow cl. <u>12,800'</u>	T. Chinle _____	T. _____
T. Penn. _____	T. Morrow <u>12,907'</u>	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. Rustler <u>1,724'</u>	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from <u>10,810</u> to <u>10,832</u>	No. 4, from <u>13,069</u> to <u>13,102</u>
No. 2, from <u>11,778</u> to <u>11,836</u>	No. 3, from _____ to _____
No. 3, from <u>12,733</u> to <u>12,924</u>	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from <u>None</u> to _____ feet
No. 2, from _____ to _____ feet
No. 3, from _____ to _____ feet
No. 4, from _____ to _____ feet

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
			(See Attached Sheet)				

EXHIBIT IV
 COMPANY: GETTY OIL COMPANY
 WELL: GETTY "35" STATE NO. 6466
 LOCATION: K, 35-21 S-34 E
 DATE: 1-23-79

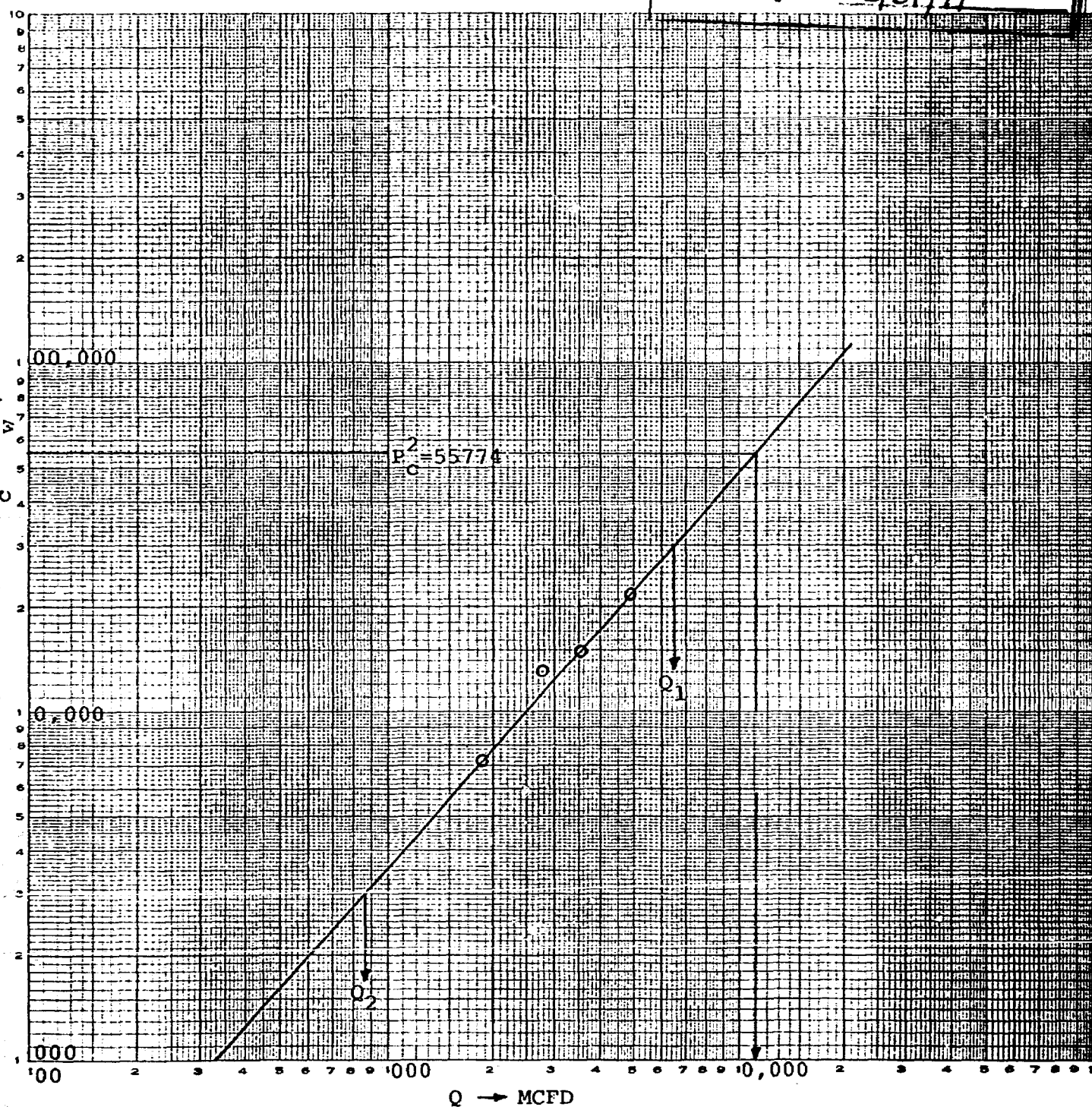
BEFORE E. J. TAMETS
 OIL CONS. DIVISION
 Applicant
 4
 6466
 Submitted by: Getty
 Hearing Date: 2/29/79

EUGENE DIETZGEN CO.
 MADE IN U. S. A.

THOUSANDS

$P_c^2 - P_w^2$

NO. 540R-L33 DIETZGEN GRAPH PAPER
 LOGARITHMIC
 3 CYCLES X 3 CYCLES



$Q_1 = 6500$ Mcfd, $\log Q_1/Q_2 = 0.873394$
 $Q_2 = 870$ Mcfd, $N = 0.874$

AOF = 11,100 MCFD

MYM

EXHIBIT V
NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

BEFORE EXAMINER STAMETS
 Form C-122
 Revised 9-1-65

Well No. 5
 Date 6/6/67

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date <u>1-23-79</u>		Drawing Date <u>2/29/79</u>	
Company <u>Getty Oil Company</u>				Connection <u>Llano, Inc.</u>			
Pool <u>Grama Ridge Morrow</u>				Formation <u>Morrow</u>		Unit <u>-</u>	
Completion Date <u>1-3-79</u>		Total Depth <u>13,355'</u>		Plug Back TD <u>13,265'</u>		Elevation <u>3675.8 GL</u>	
Csg. Size <u>5"</u>		Wt. <u>18.0</u>		Set At <u>13,355'</u>		Perforations: <u>From 12,907 To 13,102</u>	
Thg. Size <u>2 3/8"</u>		Wt. <u>4.7</u>		Set At <u>12,200'</u>		Perforations: <u>From - To -</u>	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple <u>Morrow Gas/Wolfcamp Oil - Dual</u>				Packer Set At <u>10,187'/12,200'</u>		Well No. <u>1</u>	
Producing Thru <u>Tubing</u>		Reservoir Temp. °F <u>175 @ 13,352</u>		Mean Annual Temp. °F <u>60</u>		Baro. Press. - P _a <u>13.2 psia</u>	
L <u>12,200</u>		H <u>12,200</u>		G _g <u>0.599</u>		% CO ₂ <u>0.592</u>	
				% N ₂ <u>0.511</u>		% H ₂ S <u>-</u>	
				Prover <u>-</u>		Meter Run <u>3"</u>	
						Taps <u>Flange</u>	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							5970	57	Packer	-	31.92 hrs & 15 min.
1.	3" x 1.75" 4/64"			490	10	85	5500	64	-	-	30 min.
2.	3" x 1.75" 6/64"			500	21	84	5200	64	-	-	45 min.
3.	3" x 1.75" 8/64"			505	34	83	4775	63	-	-	45 min.
4.	3" x 1.75" 12/64"			530	62	83	4400	64	-	-	30 min.
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor F _{sp}	Rate of Flow Q, Mcfd
1	20.15	70.94	503.2	.9768	1.292	1.040	1876
2	20.15	103.81	513.2	0.9777	1.292	1.040	2748
3	20.15	132.74	518.2	0.9786	1.292	1.049	3547
4	20.15	183.52	543.2	0.9786	1.292	1.045	4886
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.										
2.										
3.										
4.										
5.										

NO.	P _t ²	P _w *	P _w ²	P _t ² - P _w ²
1		6969.2	48,570	7,204
2		6538.2	42,748	13,026
3		6405.2	41,027	14,747
4		5829.2	33,980	21,794
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.559$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 11,107$

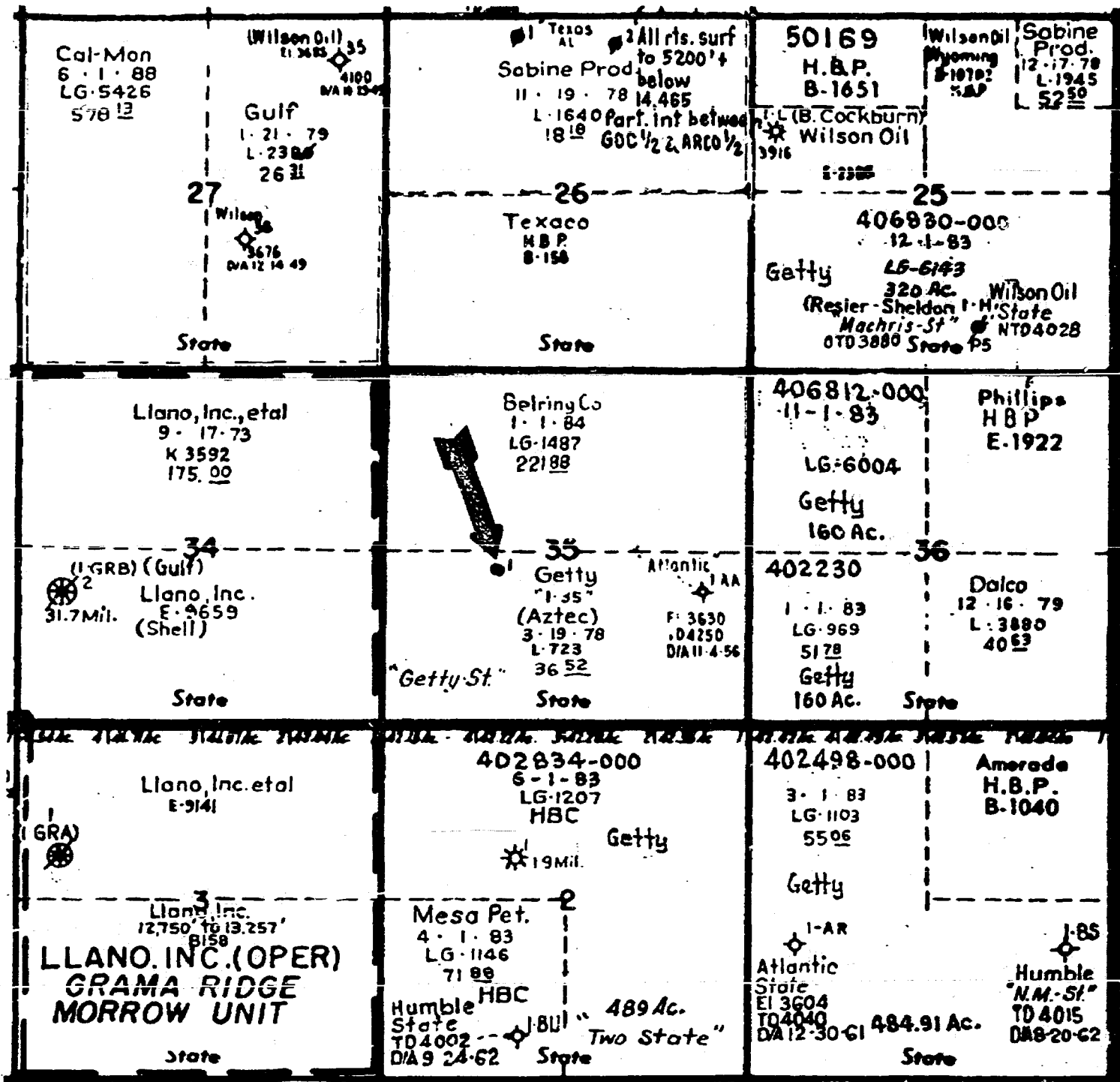
(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2,273$

Absolute Open Flow	<u>11,107</u>	Mcfd @ 15.025	Angle of Slope θ	Slope, n <u>8.74</u>
--------------------	---------------	---------------	------------------	----------------------

Remarks:
 *P_c & P_w from bottom hole pressure recorder @ (-9329) 13005'

Approved By Commission:	Conducted By: <u>M.Y. Merchant</u>	Calculated By: <u>M.Y. Merchant</u>	Checked By: <u>D. R. Crockett</u>
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GETTY OIL COMPANY - OPERATOR
 GETTY "35" STATE WELL NO. 1
 SEC. 35, T-21-S, R-34-E
 LEA COUNTY, NEW MEXICO



BEFORE EXAMINER STAMETS
 OIL CONSERVATION DIVISION

App. NO. 6

CASE NO. 4466-6467

Submitted by *Getty*

Hearing Date *2/29/79*

NEW MEXICO OIL CONSERVATION COMMISSION
SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Getty Oil Company			Lease Getty "35" State			Well No. 1	
Location of Well	Unit K	Sec 35	Twp 21-S	Rge 34-E	County Lea		
Name of Reservoir or Pool		Type of Prod (Oil or Gas)	Method of Prod Flow, Art Lift	Prod. Medium (Tubg or Csg)	Choke Size		
Upper Comp	Grama Ridge Wolfcamp		Oil	Flow	Tubing	16/64"	
Lower Comp	Grama Ridge Morrow		Gas	Flow	Tubing	7/64"	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 10:00 a.m. February 5, 1979

Well opened at (hour, date): 10:00 a.m. February 6, 1979

Indicate by (X) the zone producing..... X

Pressure at beginning of test..... 2475 6000

Stabilized? (Yes or No)..... Yes Yes

Maximum pressure during test..... 2482 6000

Minimum pressure during test..... 2475 5010

Pressure at conclusion of test..... 2482 5010

Pressure change during test (Maximum minus Minimum)..... 7 990

Was pressure change an increase or a decrease?..... Increase Decrease

Well closed at (hour, date): 8:00 a.m. February 7, 1979

Oil Production 22 hrs. Gas Production 22 hrs.

During Test: 12 bbls; Grav. 48°; During Test 2,211 MCF; GOR 180,425

Remarks Gas purchaser - Llano Gas Co.

FLOW TEST NO. 2

Well opened at (hour, date): 9:00 a.m. February 8, 1979

Indicate by (X) the zone producing..... X

Pressure at beginning of test..... 2490 6000

Stabilized? (Yes or No)..... Yes Yes

Maximum pressure during test..... 2490 6005

Minimum pressure during test..... 1510 6000

Pressure at conclusion of test..... 1510 6005

Pressure change during test (Maximum minus Minimum)..... 980 5

Was pressure change an increase or a decrease?..... Decrease Increase

Well closed at (hour, date): 9:00 a.m. February 9, 1979

Oil Production 24 hrs. Gas Production 24 hrs.

During Test: 318 bbls; Grav. 45°; During Test 616 MCF; GOR 1937

Remarks Gas purchaser - Llano Gas Co.

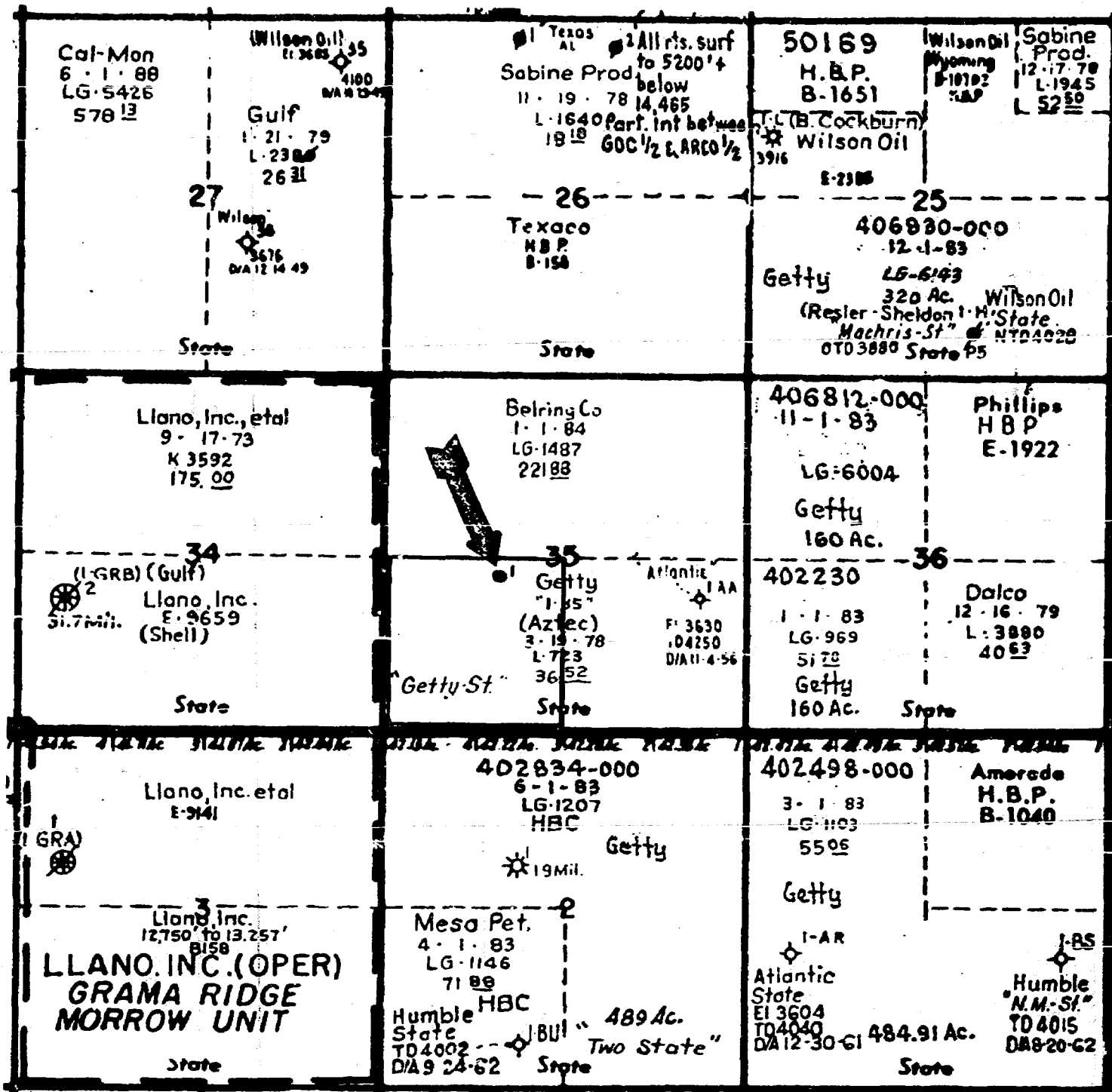
I hereby certify that the information herein contained is true and complete to the best of my knowledge.

Approved 15 22 1979 19
New Mexico Oil Conservation Commission

Operator Getty Oil Company
By William F. Koffel
Title Field Technician

By John W. Kanyan
Title Field Technician

EXHIBIT I



NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
APPLICATION FOR MULTIPLE COMPLETION

Form C-107
5-1-61

Operator <u>Getty Oil Company</u>		County <u>Lea</u>	Date <u>February 5, 1979</u>
Address <u>P. O. Box 730, Hobbs, NM 88240</u>		Lease <u>Getty "35" State</u>	Well No. <u>1</u>
Location of Well <u>K</u>	Section <u>35</u>	Township <u>21S</u>	Range <u>34E</u>

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES _____ NO X

2. If answer is yes, identify one such instance: Order No. _____ ; Operator Lease, and Well No.: _____

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	<u>Grama Ridge Wolfcamp</u>	<u>-</u>	<u>Grama Ridge Morrow</u>
b. Top and Bottom of Pay Section (Perforations)	<u>10,810-828'</u>		<u>12,907'-13,102'</u>
c. Type of production (Oil or Gas)	<u>Oil</u>		<u>Gas</u>
d. Method of Production (Flowing or Artificial Lift)	<u>Flowing</u>		<u>Flowing</u>

4. The following are attached. (Please check YES or NO)

- | Yes | No | |
|-------------------------------------|-------------------------------------|---|
| ☒ | ☐ | a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent. |
| ☒ | ☐ | b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease. |
| ☐ | ☒ | c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application. |
| ☒ | ☐ | d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.) |

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

Sabine Production Co., 901 Wall Towers East, Midland, Texas 79701

Llano, Inc., P. O. Box 1320, Hobbs, New Mexico 88240

Texas Oil & Gas, 900 Wilco Bldg., Midland, Texas 79701

Texaco, Inc., P. O. Box 728, Hobbs, New Mexico 88240

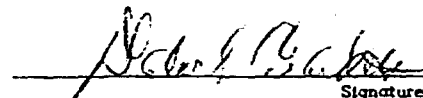
Wilson Oil, P. O. Box 457, Artesia, New Mexico 88210

Amerada Hess Corp., Box 840, Seminole Texas 79360

Exxon Corp., Box 1600, Midland, Texas 79701

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES _____ NO X. If answer is yes, give date of such notification _____.

CERTIFICATE: I, the undersigned, state that I am the Area Superintendent of the Getty Oil Company (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.


Signature

Dale R. Crockett

*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard perforation unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

**MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

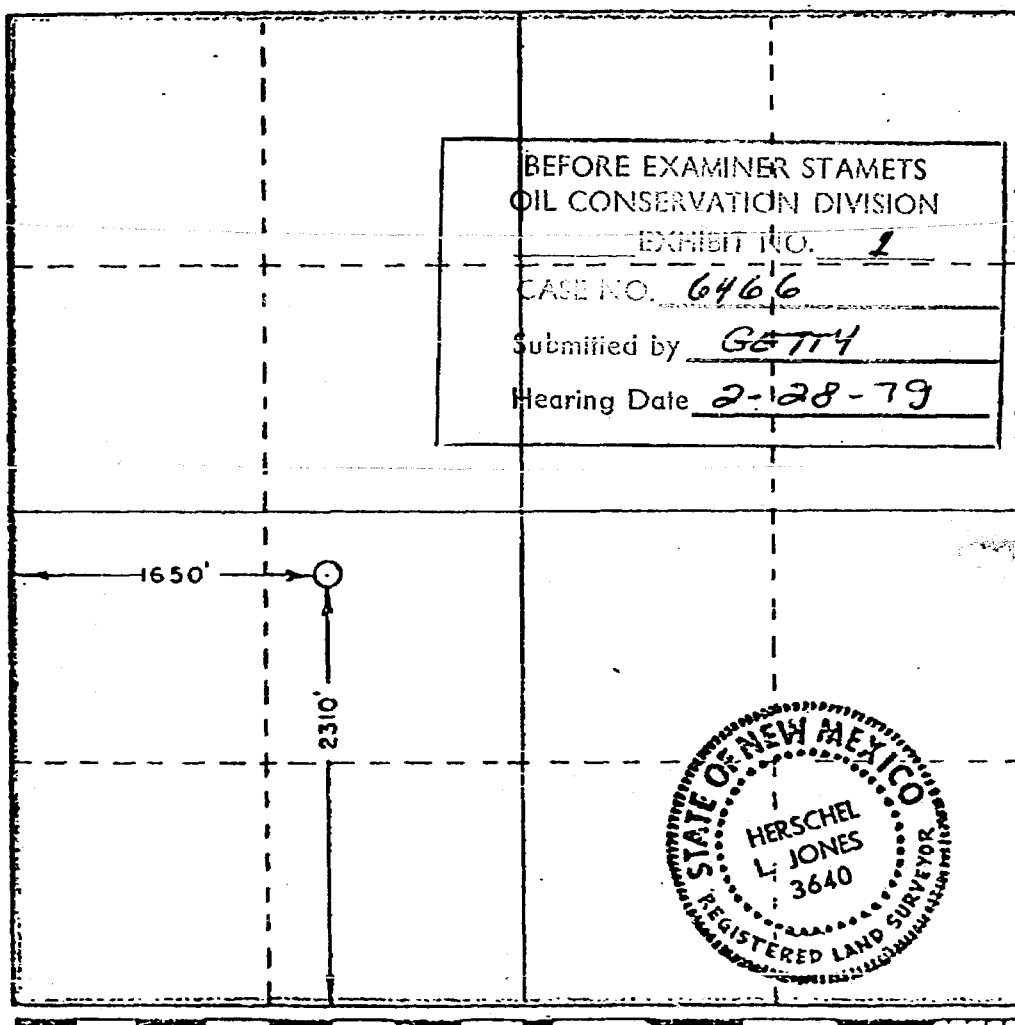
Operator GETTY OIL COMPANY		Lease Getty State 35		Well No. 1
Unit Letter WKN	Section 35	Township 21 S.	Range 34 E.	County Lea
Actual Well Location of Wells: 2310 feet from the South line and 1650 feet from the West line.				
Ground Level Elev. 3675.8	Producing Formation Morrow	Foot Undesignated	Diameter of Hole 640	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Drilling Unit

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (If on reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

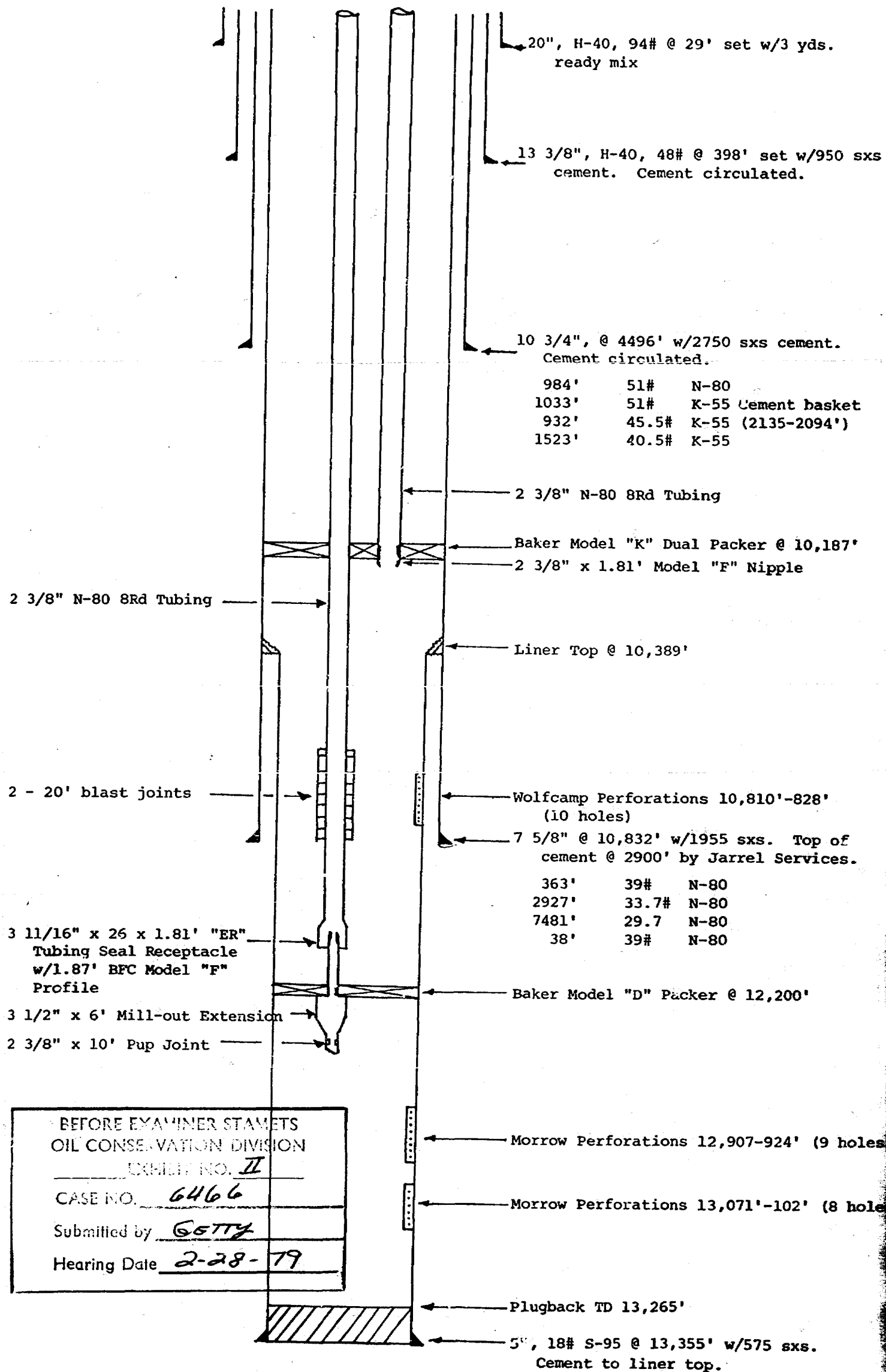
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
January 4, 1978

Registered Professional Engineer and Land Surveyor

Herschel L. Jones
3640

GETTY "35" STATE WELL NO. 1
MORROW-WOLFCAMP DUAL COMPLETION



BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION

EXHIBIT NO. II

CASE NO. 6466

Submitted by GETTY

Hearing Date 2-28-79

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

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

3-MOCC-HOBBS
1-R. J. STARRAK-TULSA
1-A. B. CARY-MIDLAND

(1-MYH, ENGR.)
1-BELCO-MIDLAND
1-SOUTHLAND-MIDLAND
1-MESA-MIDLAND
1-BH, FIELD CLERK

Form O-105 Revised 10-6-66
1. Indicate Type of Lease State ☒ Fee ☐
2. State Oil & Gas Lease No. L-723
3. Well Name -
4. Form of Lease Name Getty "35" State
5. Well No. 1
6. Field, Pool, or Valued Wolfcamp Grama Ridge Morrow
7. County Lea

10. TYPE OF WELL a. TYPE OF COMPLETION OIL WELL ☒ GAS WELL ☒ CHL ☐ OTHER ☐ Dual
b. TYPE OF COMPLETION SEA ☒ ACRA ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVN. ☐ OTHER ☐

2. Name of Operator Getty Oil Company
3. Address of Operator P. O. Box 730, Hobbs, New Mexico 88240
4. Location of Well UNIT LETTER <u>K</u> LOCATED <u>2310</u> FEET FROM THE <u>South</u> LINE AND <u>1650</u> FEET FROM

THE <u>West</u> LINE OF SEC. <u>35</u> TWP. <u>21S</u> RGE. <u>34E</u> NMPM
15. Date Spooled <u>3-15-78</u> (w) 16. Date T.D. Reached <u>10-25-78</u> 17. Date Completed (Ready to Prod.) <u>10-11-78</u> 18. Elevation (D.F. R&B, RT, GR, etc.) <u>3675.8 GR</u> 19. Elev. Casinghead

20. Total Depth <u>13,355</u> 21. Plug Back T.D. <u>13,265</u> 22. If Multiple Comp., How Many <u>Dual</u> 23. Intervenor Picked By <u>810'-13,355'</u> 24. Intervenor Casing Tools <u>0-810'</u>

24. Producing Interval, of this completion - Top, Bottom, Name <u>10,810-10,828 Wolfcamp - Oil</u> <u>12,907-13,102 Morrow - Gas</u>
25. Type Electric and Other Logs Run <u>BHC, CNL-FDC; DLL; and Dipmeter 13,100-10,832',</u> <u>Cement Bond Log: & PFC - Schlumberger</u>
26. Was Directional Survey Made <u>Yes</u>

25. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB. FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20		29	24	3 yds. Ready Mix	
13 3/8	48	398	16	950 sxs Cement Circ.	
10 3/4	51.45.5 & 40.5	4496	12 1/2	2750 sxs Cement Circ.	575 sxs circ.
7 5/8	39.33.7 & 29.7	10832	9 1/2	1955 sxs	

26. LINER RECORD				27. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SIZE	DEPTH SET	PACKER SET
5"	10,389	13,354	575 SXS	Dual 2 3/8	10,187	10,187
				Dual 2 3/8	12,200	12,200

31. Perforation Interval (Interval, size and number) Wolfcamp: 10,810,12,14,16,18,20,22,24,26, & 28' = 10 (.36") holes. Morrow: 12,907,09,11,14,16,18,20,22,24; 13,071,81,85,92,94,98,100, & 102 = 17 (.36") holes	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL 10,810-28' (Wolf.) AMOUNT AND KIND MATERIAL USED 5000 gals. MOD 202 15% - 15 ball sealers.
--	---

33. PRODUCTION							
Date First Production Wolfcamp 11-10-78 Morrow 1-3-79	Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing Flowing	Well Status (Prod. or Shut-in) Producing Producing					
Date of Test Wolfcamp 11-15-78 24 hrs. Morrow 1-8-79 4 Pt.	Chart Type 20/64" Various	Test Period -	Oil - PHL 600	Gas - MCF 1,153	Water - BBL 799	Oil - Oil Ratio 1921/1	
Flowing Pressure Wolfcamp 1765# Morrow 4400#	Packer Packer	Calculate 24-Hour Rate -	Oil - PHL 600	Gas - MCF 1,153	Water - BBL 799	Oil Gravity - API (Corr.) 44.6	

34. Disposition of Well (Sold, used for fuel, vented, etc.) Sold	Test Witnessed By
---	-------------------

35. List of All Intervenor Deviation Schedule & 4 Point Test

36. 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.
SIGNED <u>Dale R. Crockett</u> TITLE <u>Area Superintendent</u> DATE <u>1-25-79</u>

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radioactivity logs run on the well and a summary of all special tests conducted, including full stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. This form is to be filed in quintuplicate except on state land, where six copies are required. Use Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southwestern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "H" _____
T. Salt _____	T. Strawn <u>11,682'</u>	T. Kirtland-Fruitland _____	T. Penn. "C" _____
R. Salt _____	T. Atoka <u>(Lime) 12,151'</u>	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates <u>1,160'</u>	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzite _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinobry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs <u>8,342'</u>	T. Wingate _____	T. _____
T. Wolfcamp <u>(Shale) 10,070'</u>	T. Morrow cl. <u>12,800'</u>	T. Chinle _____	T. _____
T. Penn. _____	T. Morrow <u>12,907'</u>	T. Pennian _____	T. _____
T. Cisco (Bough C) _____	T. Rustler <u>1,724'</u>	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from 10,810 to 10,832 No. 4, from 13,069 to 13,102
No. 2, from 11,778 to 11,836 No. 5, from to
No. 3, from 12,733 to 12,924 No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from None to feet.

No. 2, from to feet.

No. 3, from to feet.

No. 4, from to feet.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
			(See Attached Sheet)				

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION

EXHIBIT NO. III

CASE NO. 6466

Submitted by GETTY

Hearing Date 2-28-79

DATE: 1-23-79

11. OFF-EXAMINER STATEMENTS
12. CONFIRMATION

EXHIBIT NO. IV

6466

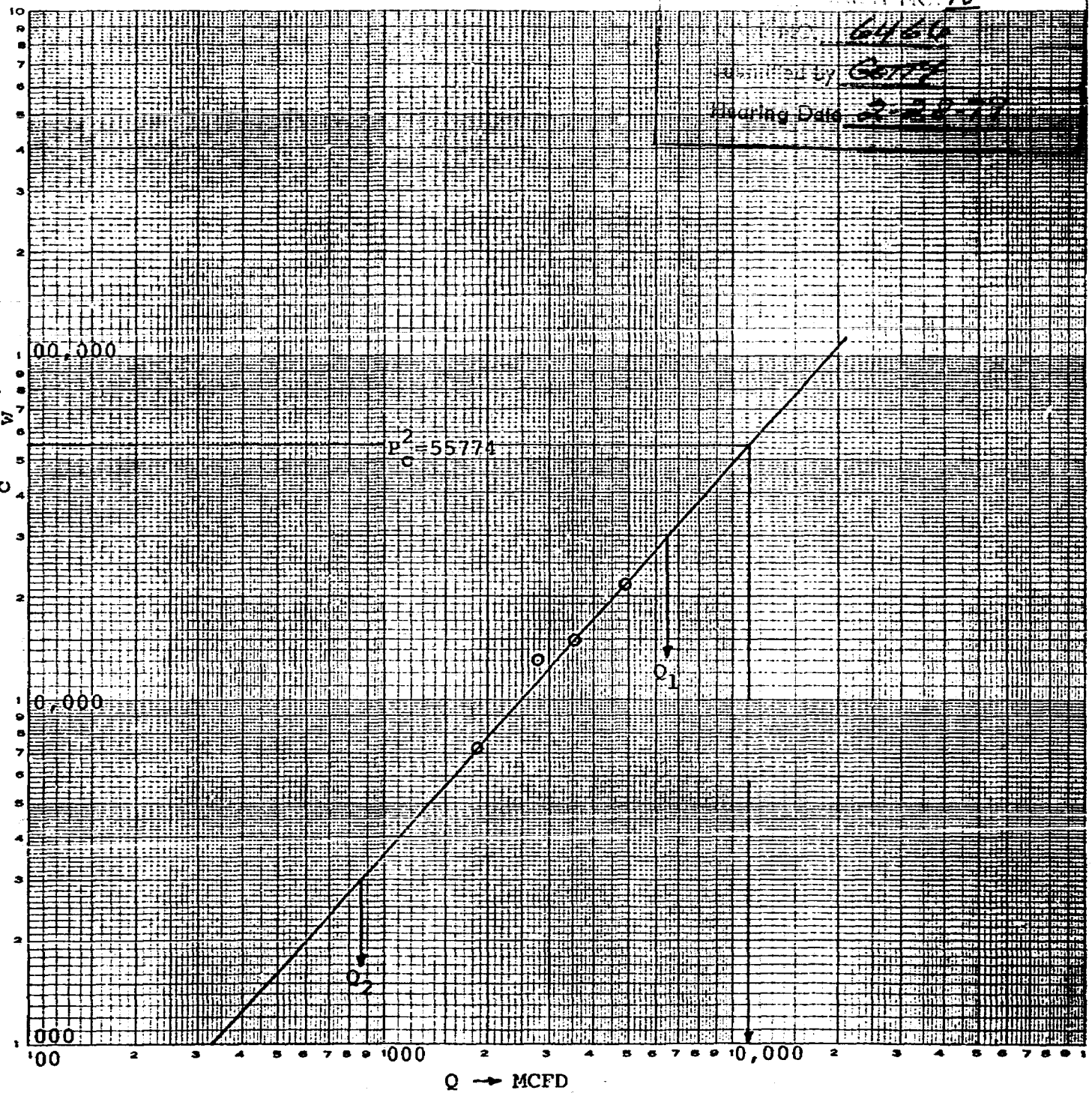
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Issuance Date 2008-08-27

EUGENE DIETZGEN CO.
MADE IN U. S. A.
THOUSANDS

P² - P²

-L33 DIETZGEN GRAPH PAPER
LOGARITHMIC
3 CYCLES X 3 CYCLES



$$Q_1 = 6500 \text{ Mcfd}, \quad \text{Log } Q_1/Q_2 = 0.873394$$

AOF = 11,100 MCFD

$$Q_2 = 870 \text{ Mcfd},$$

$$N = 0.874$$

MYM

EXHIBIT V

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLForm C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 1-23-79	
Company Getty Oil Company		Connection Llano, Inc.	
Pool Grama Ridge Morrow		Formation Morrow	
Completion Date 1-3-79		Total Depth 13,355'	Plug Back TD 13,265'
Elevation 3675.8 GL		Farm or Lease Name Getty "35" State	
Csq. Size 5"	Wt. 18.0	d 4.276	Set At 13,355
Perforations: From 12,907 To 13,102		Well No. 1	
Tbg. Size 2 3/8"	Wt. 4.7	d 1.995	Set At 12,200
Perforations: From - To -		Unit K	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Morrow Gas/Wolfcamp Oil - Dual		Packer Set At 10,187'/12,200'	County Lea
Producing Thru Tubing	Reservoir Temp. °F 175°@ 13,352	Mean Annual Temp. °F 60	Baro. Press. - P _a 13.2 psia
State New Mexico			
L .12,200	H 12,200	G _g 0.599	% CO ₂ 0.592
		% N ₂ 0.511	% H ₂ S -
Prover -		Meter Run 3"	Taps Flange

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow of Flow & 15 min.	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							5970	57	Packer	-	31-02 hrs
1.	3" x 1.75" 4/64"			490	10	85	5500	64	-	-	30 min.
2.	3" x 1.75" 6/64"			500	21	84	5200	64	-	-	45 min.
3.	3" x 1.75" 8/64"			505	34	83	4775	63	-	-	45 min.
4.	3" x 1.75" 12/64"			530	62	83	4400	64	-	-	30 min.
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	20.15	70.94	503.2	.9768	1.292	1.040	1876
2	20.15	103.81	513.2	0.9777	1.292	1.040	2748
3	20.15	132.74	518.2	0.9786	1.292	1.049	3547
4	20.15	183.52	543.2	0.9786	1.292	1.045	4886
5							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio	Mcf/mbbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure 671	P.S.I.A.
5.					Critical Temperature 362	R

NO.	P _t ²	P _w *	P _w ²	P _c ² - P _w ²
1		6969.2	48,570	7,204
2		6538.2	42,748	13,026
3		6405.2	41,027	14,747
4		5829.2	33,980	21,794
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.559$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.273$

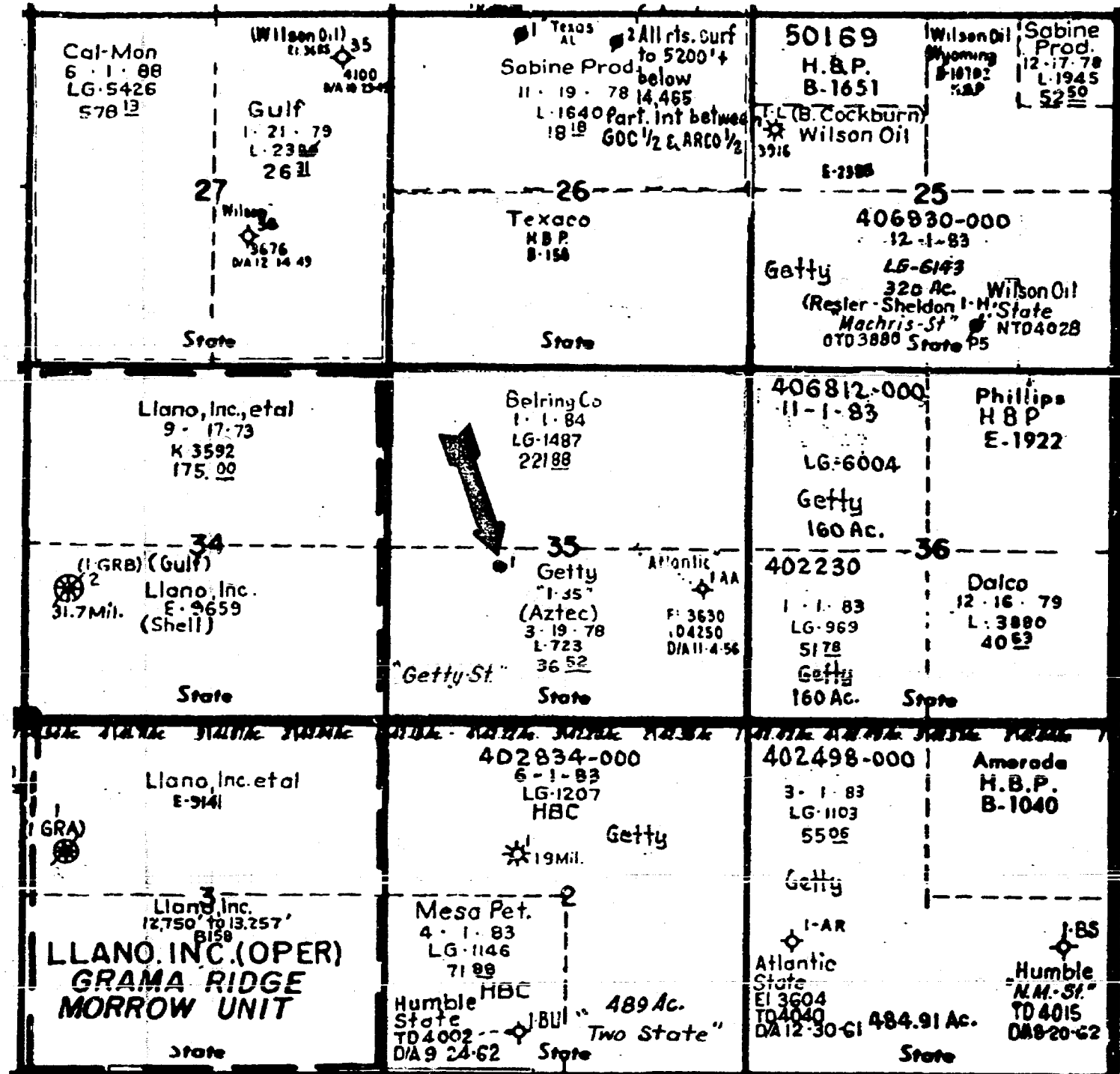
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 11,107$

Absolute Open Flow	11,107	Mcf/d @ 15.025	Angle of Slope	874
--------------------	--------	----------------	----------------	-----

Remarks:
*P_c & P_w from bottom hole pressure recorder @ (-9329) 13005'

Approved By Commission:	Conducted By: M.Y. Merchant	Calculated By: M.Y. Merchant	Checked By: D. R. Crockett
-------------------------	--------------------------------	---------------------------------	-------------------------------

GETTY OIL COMPANY - OPERATOR
 GETTY "35" STATE WELL NO. 1
 SEC. 35, T-21-S, R-34-E
 LEA COUNTY, NEW MEXICO



BEFORE EXAMINER STAMETS
 OIL CONSERVATION DIVISION

6466
 GETTY

Hearing Date 2-28-79

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operator Getty Oil Company			Lease Getty "35" State			Well No. 1	
Location of Well	Unit K	Sec 35	Twp 21-S	Rge 34-E	County Lea		
Name of Reservoir or Pool			Type of Prod (Oil or Gas)	Method of Prod Flow, Art. Lift.	Prod. Medium (Tbg or Csg)	Choke Size	
Upper Zone	Grama Ridge Wolfcamp		Oil	Flow	Tubing	16/64"	
Lower Zone	Grama Ridge Morrow		Gas	Flow	Tubing	7/64"	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 10:00 a.m. February 5, 1979

Well opened at (hour, date): 10:00 a.m. February 6, 1979

	Upper Completion	Lower Completion
Indicate by (X) the zone producing.....		X

Pressure at beginning of test.....	2475	6000
------------------------------------	------	------

Stabilized? (Yes or No).....	Yes	Yes
------------------------------	-----	-----

Maximum pressure during test.....	2482	6000
-----------------------------------	------	------

Minimum pressure during test.....	2475	5010
-----------------------------------	------	------

Pressure at conclusion of test.....	2482	5010
-------------------------------------	------	------

Pressure change during test (Maximum minus Minimum).....	7	990
--	---	-----

Was pressure change an increase or a decrease?.....	Increase	Decrease
---	----------	----------

	Total Time On Production
Well closed at (hour, date): 8:00 a.m. February 7, 1979	22 hrs.

Oil Production	Gas Production
During Test: 12 bbls; Grav. 48°	During Test: 2,211 MCF; GOR 180,425

Remarks Gas purchaser - Llano Gas Co.

FLOW TEST NO. 2

	Upper Completion	Lower Completion
Well opened at (hour, date): 9:00 a.m. February 8, 1979		

Indicate by (X) the zone producing.....	X	
---	---	--

Pressure at beginning of test.....	2490	6000
------------------------------------	------	------

Stabilized? (Yes or No).....	Yes	Yes
------------------------------	-----	-----

Maximum pressure during test.....	2490	6000
-----------------------------------	------	------

Minimum pressure during test.....	1510	6000
-----------------------------------	------	------

Pressure at conclusion of test.....	1510	6005
-------------------------------------	------	------

Pressure change during test (Maximum minus Minimum).....	980	5
--	-----	---

Was pressure change an increase or a decrease?.....	Decrease	Increase
---	----------	----------

	Total time on Production
Well closed at (hour, date) 9:00 a.m. February 9, 1979	24 hrs.

Oil Production	Gas Production
During Test: 318 bbls; Grav. 45°	During Test: 616 MCF; GOR 1937

Remarks Gas purchaser - Llano Gas Co.

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

Approved _____ 19
New Mexico Oil Conservation Commission

By _____
Title _____

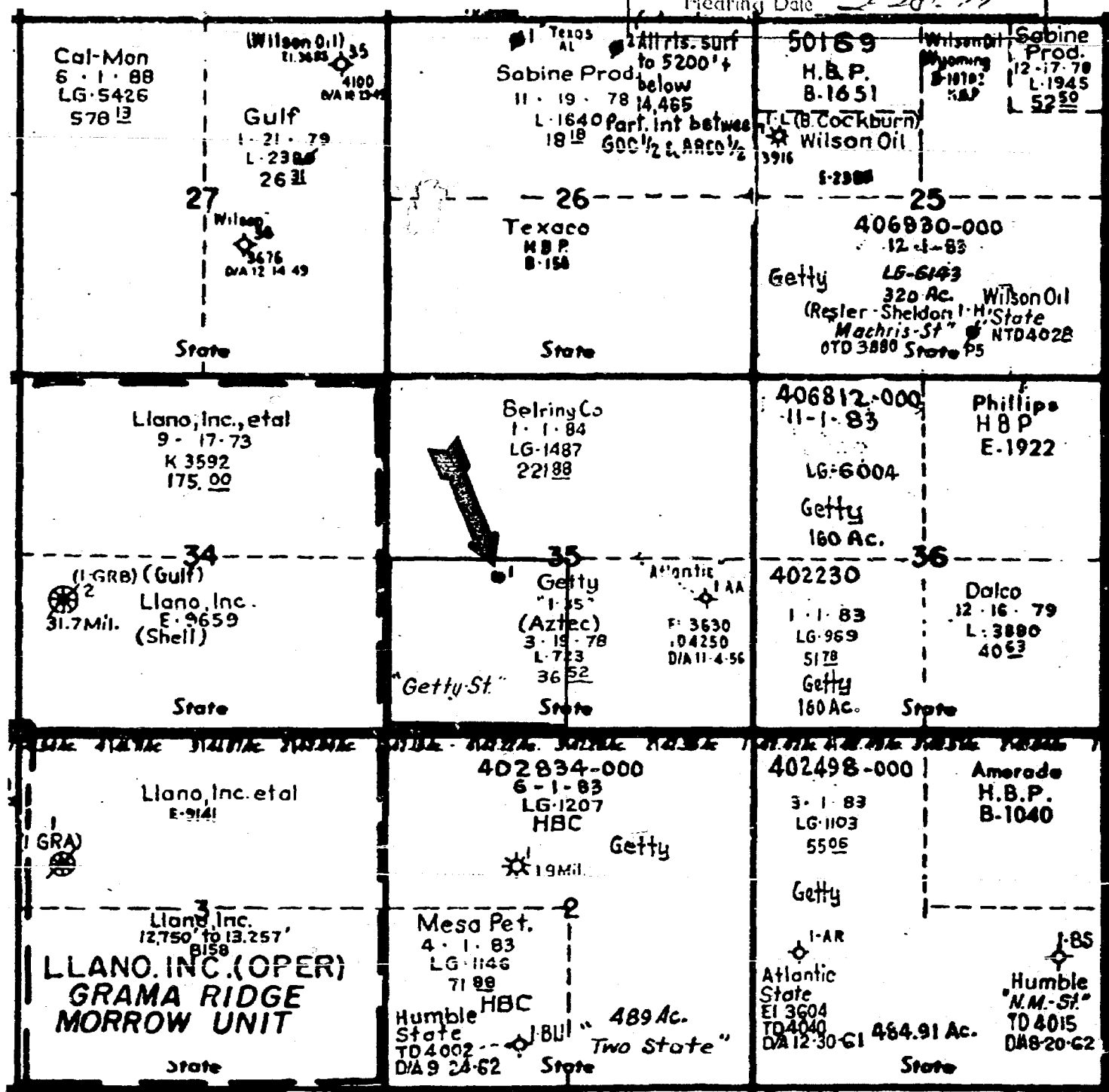
Operator Getty Oil Company

By William F. Kaffa

Title Field Technician

Hearing Date 2-20-78

ts. surf 200' + ow 65	50169 H.B.P. B-1651	Wilson Dr. Young B-1010 K&J	Sabine Prod. 12-17-70 L-1945 5250
--------------------------------	---------------------------	--------------------------------------	---



NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
APPLICATION FOR MULTIPLE COMPLETION

Form C-107
5-1-61

Operator Getty Oil Company		County Lea	Date February 5, 1979
Address P. O. Box 730, Hobbs, NM 88240		Lease Getty "35" State	Well No. 1
Location of Well K	Unit 35	Township 21S	Range 34E

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES _____ NO X
2. If answer is yes, identify one such instance: Order No. _____, Operator Lease, and Well No.: _____

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Grama Ridge Wolfcamp	-	Grama Ridge Morrow
b. Top and Bottom of Pay Section (Perforations)	10,810-828'		12,907'-13,102'
c. Type of production (Oil or Gas)	Oil		Gas
d. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing

4. The following are attached. (Please check YES or NO)

- | | | |
|-------------------------------------|-------------------------------------|---|
| Yes | No | |
| ☒ | ☐ | a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent. |
| ☒ | ☐ | b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease. |
| ☐ | ☒ | c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.* |
| ☒ | ☐ | d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.) |

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

Sabine Production Co., 901 Wall Towers East, Midland, Texas 79701

Llano, Inc., P. O. Box 1320, Hobbs, New Mexico 88240

Texas Oil & Gas, 900 Wilco Bldg., Midland, Texas 79701

Texaco, Inc., P. O. Box 728, Hobbs, New Mexico 88240

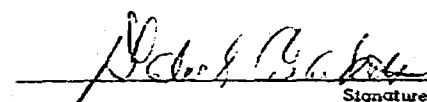
Wilson Oil, P. O. Box 457, Artesia, New Mexico 88210

Amerada Hess Corp., Box 840, Seminole Texas 79360

Exxon Corp., Box 1600, Midland, Texas 79701

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES _____ NO X. If answer is yes, give date of such notification _____.

CERTIFICATE: I, the undersigned, state that I am the Area Superintendent of the Getty Oil Company (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.


Signature **Dale R. Crockett**

*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard perforation unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

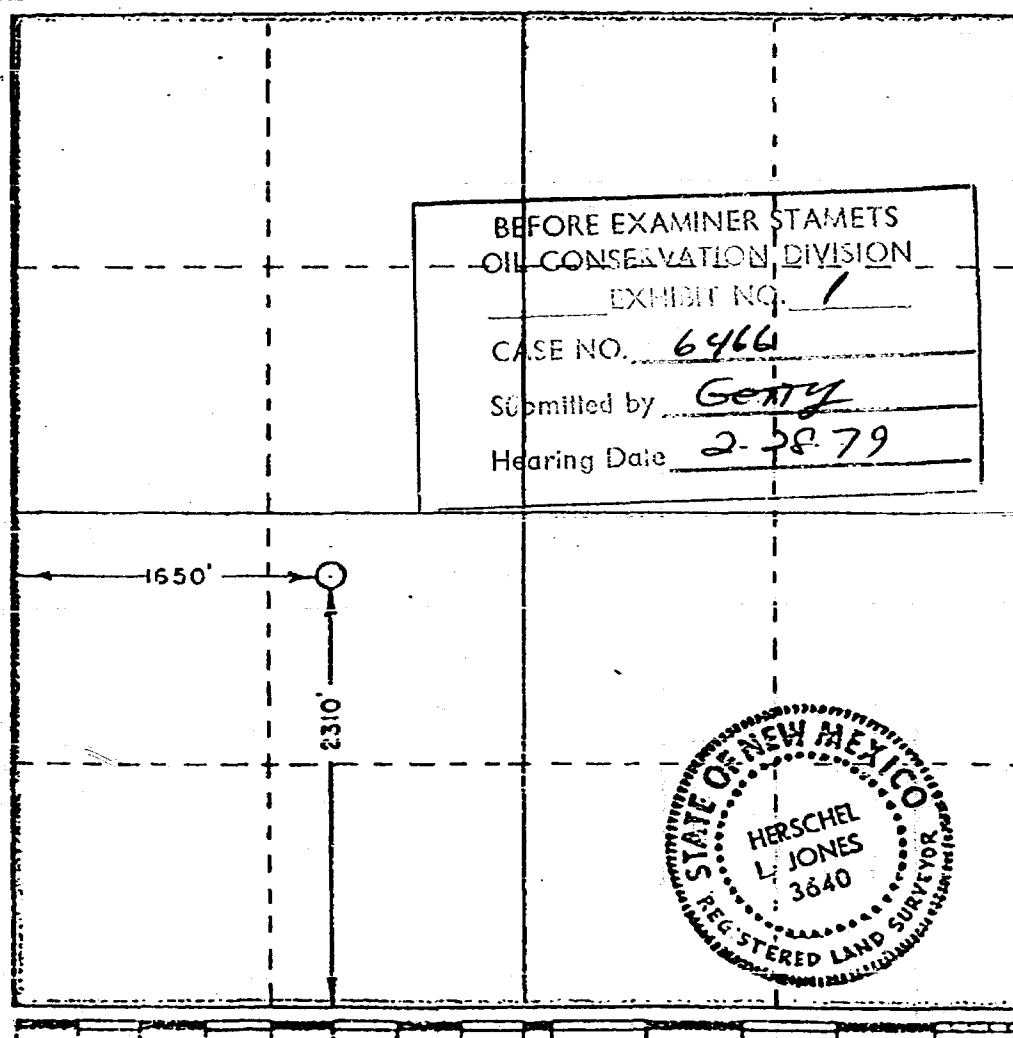
Operator GETTY OIL COMPANY		Lease Getty State 35		Well No. 1
Unit Letter KK	Section 35	Township 21 S.	Range 34 E.	County Lea
Actual Well Location of Well:				
2310	feet from the	South	line and	1650
				feet from the
				West
Ground Level Elev. 3675.8	Producing Formation Morrow	Foot Undesignated	Section Area 640	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Drilling Unit

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Name
Position
Time
Date

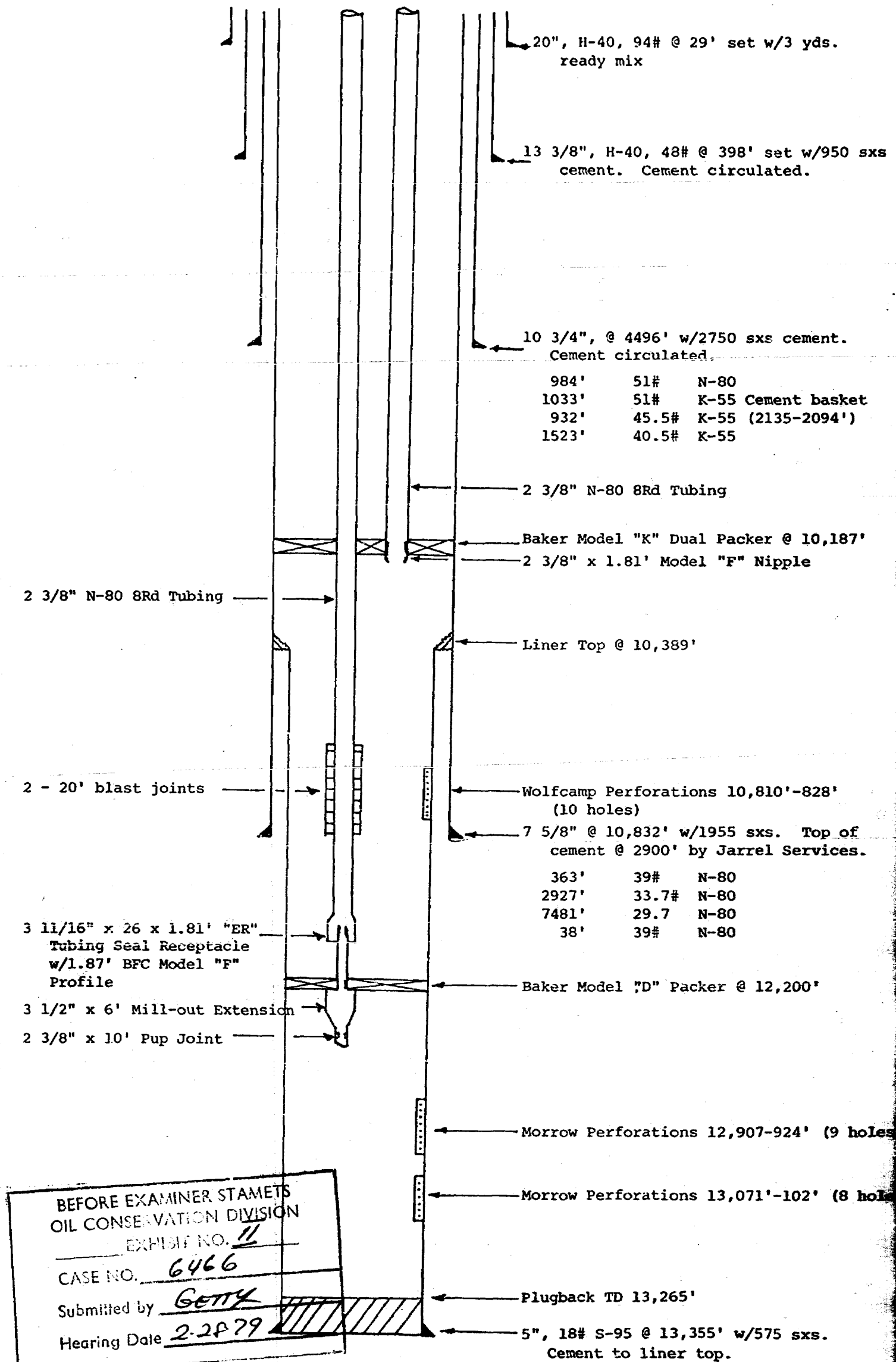
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
January 4, 1978

Registered Professional Engineer
and/or Land Surveyor

Herschel L. Jones
Certificate No. **3640**

GETTY "35" STATE WELL NO. 1
MORROW-WOLFCAMP DUAL COMPLETION



BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION

EXHIBIT NO. 11

CASE NO. 6466

Submitted by GETTY

Hearing Date 2-28-79

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

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

3-NMCC-HOBBS
1-R. J. STARRAK-TULSA
1-A. B. CARY-MIDLAND
1-FILE
1-MYI, ENGR.
1-BELCO-MIDLAND
1-SOUTHLAND-MIDLAND
1-MESA-MIDLAND
1-BH, FIELD CLERK

Form O-105 Revised 10-68
1. Indicate Type of Lease State ☒ Fee ☐
2. State Oil & Gas Lease No. L-723
3. Unit & Lease Name -
4. Name of Lease Owner Getty "35" State
5. Well No. 1
6. Field, Pool, or Tract Wolfcamp Grama Ridge Morrow
7. County Lea

10. TYPE OF WELL OIL WELL ☒ GAS WELL ☒ OTHER ☐ Dual
11. TYPE OF COMPLETION NEW ☐ RE-ACCEL ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RECV. ☐ OTHER ☐
12. Name of Operator Getty Oil Company
13. Address of Operator P. O. Box 730, Hobbs, New Mexico 88240
14. Location of Well UNIT LETTER <u>K</u> LOCATED <u>2310</u> FEET FROM THE <u>South</u> LINE AND <u>1650</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>35</u> TWP. <u>21S</u> RGE. <u>34E</u> LEA

15. Date Spudded 3-15-78 (w)	16. Date T.D. Reached 10-25-78	17. Date Cemented (Ready to Prod.) 10-11-78 Wolfcamp 1-3-79 Morrow	18. Elevations (T.F., R&B, R.F., GR, etc.) 3675.8 GR	19. Elev. Casinghead
20. Total Depth 13,355	21. Plug back T.D. 13,265	22. If Multiple Complet., How Many Dual	23. Interval Cased By 810'-13,355'	24. Interval Cased By 0-810'
25. Producing Interval(s), of this completion - Top, Bottom, Name 10,810-10,828 Wolfcamp - Oil 12,907-13,102 Morrow - Gas				26. Was Directional Survey Made Yes
27. Type Electric and Other Logs Run BHC, CNL-FDC; DLL; and Dipmeter 13,100-10,832', Cement Bond Log: & PFC - Schlumberger				28. Was Well Cased Yes

CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB. FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20		29	24	3 yds. Ready Mix	
13 3/8	48	398	16	950 sxs Cement Circ.	
10 3/4	51.45.5 & 40.5	4496	12 1/4	2750 sxs Cement Circ.	575 sxs circ.
7 5/8	39.33.7 & 29.7	10332	9 1/4	1955 sxs	
LINER RECORD					
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	
5"	10,389	13,354	575 SXS	Dual	
				2 3/8	10,187
				2 3/8	12,200

29. Perforation Interval, size and number Wolfcamp: 10,810,12,14,16,18,20,22,24,26, & 28' = 10 (.36") holes. Morrow: 12,907,09,11,14,16,18,20,22,24; 13,071,81,85,92,94,98,100, & 102 = 17 (.36") holes	30. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL 10,810-28' (Wolf.) AMOUNT AND KIND MATERIAL USED 5000 gals. MOD 202 15% - 15 ball sealers.
--	---

PRODUCTION							
31. Date First Production Wolfcamp 11-10-78 Morrow 1-3-79	32. Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing Flowing	Well Status (Prod. or Shut-in) Producing Producing					
33. Rate of Flow Wolfcamp 11-15-78 24 hrs. 20/64" Morrow 1-8-79 4 Pt. Various	34. Pressure Wolfcamp 1765# Packer Morrow 4400# Packer	35. Calculated 24-Hour Rate Oil - 600 Gas - 1,153 Water - 799 AOE 11,107	36. Oil - BBL 600	37. Gas - MCF 1,153	38. Water - BBL 799	39. Gas-Oil Ratio 1921/1	40. Oil Gravity - API (Corr.) 44.6
39. Disposition of Well (Sold, used for fuel, rented, etc.) Sold						Test Witnessed By	

35. List of Attachments Deviation Schedule & 4 Point Test		
36. 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.		
SIGNED Dale R. Crockett	TITLE Area Superintendent	DATE 1-25-79

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled deepened well. It shall be accompanied by one copy of all electrical and radioactivity logs run on the well and a summary of all special tests conducted, including inflow tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 20 through 34 shall be reported for each zone. The form is to be filed in quadruplicate except in state land, where six copies are required. See Rule 1195.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn <u>11,682'</u>	T. Kirtland-Fruitland _____	T. Penn. "C" _____
T. Salt _____	T. Atoka (Lime) <u>12,151'</u>	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates <u>4,160'</u>	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qizte _____
T. Glerieta _____	T. McKee _____	Hase Greenhorn _____	T. Granite _____
T. Padlock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blincoy _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs <u>8,342'</u>	T. Wingate _____	T. _____
T. Wolfcamp (Shale) <u>10,070'</u>	Morrow cl. <u>12,800'</u>	T. Chinle _____	T. _____
T. Penn. _____	T. Morrow <u>12,907'</u>	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. Rustler <u>1,724'</u>	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from <u>10,810</u> to <u>10,832</u>	No. 4, from <u>13,069</u> to <u>13,102</u>
No. 2, from <u>11,778</u> to <u>11,836</u>	No. 5, from _____ to _____
No. 3, from <u>12,733</u> to <u>12,924</u>	No. 6, from _____ to _____

IMPORTANT WATER SANDS

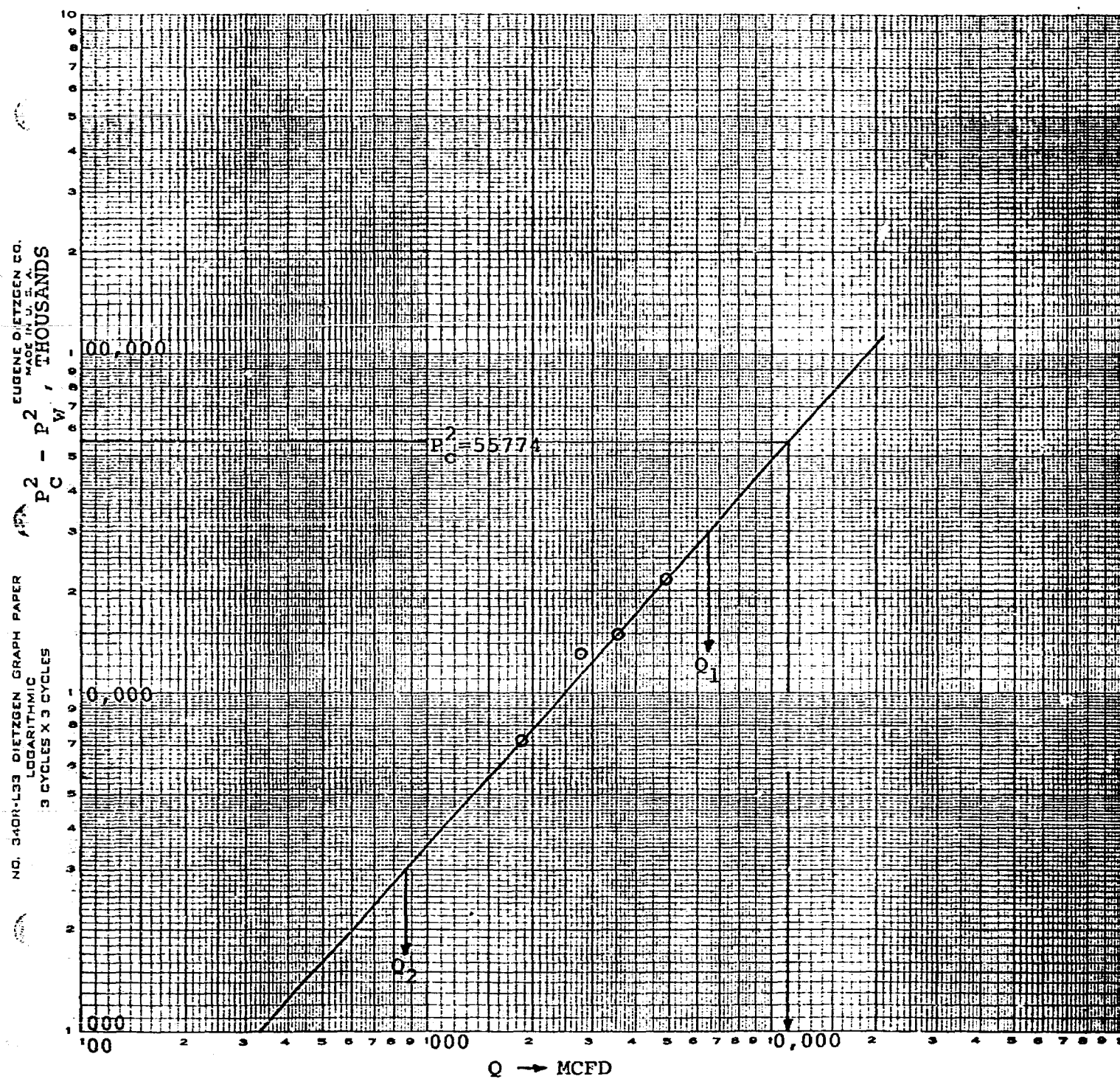
Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from <u>None</u> to _____ feet
No. 2, from _____ to _____ feet
No. 3, from _____ to _____ feet
No. 4, from _____ to _____ feet

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
			(See Attached Sheet)				
BEFORE EXAMINER SIGNATURES OIL CONSERVATION DIVISION EXHIBIT NO. <u>10</u> CASE NO. <u>6466</u> Submitted by <u>Gentry</u> Hearing Date <u>2-28-79</u>							

EXHIBIT IV
 COMPANY: GETTY OIL COMPANY
 WELL: GETTY "35" STATE NO. 1
 LOCATION: K, 35-21 S-34 E
 DATE: 1-23-79



$Q_1 = 6500$ Mcfd, $\text{Log } Q_1/Q_2 = 0.873394$ AOF = 11,100 MCFD
 $Q_2 = 870$ Mcfd, $N = 0.874$

MYM

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLForm C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 1-23-79	
Company Getty Oil Company		Connection Llano, Inc.	
Pool Grama Ridge Morrow		Formation Morrow	
Completion Date 1-3-79		Total Depth 13,355'	Plug Back TD 13,265'
Csg. Size 5"		Well 18.0	Set At 13,355'
Tbg. Size 2 3/8"		Well 4.7	Set At 12,200'
Completion Date 1-3-79		Total Depth 13,355'	Plug Back TD 13,265'
Csg. Size 5"		Well 18.0	Set At 13,355'
Tbg. Size 2 3/8"		Well 4.7	Set At 12,200'
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Morrow Gas/Wolfcamp Oil - Dual		Packer Set At 10,187'/12,200'	
Producing Thru Tubing		Reservoir Temp. °F 175° 13,352	Mean Annual Temp. °F 60
Baro. Press. - P _g 13.2 psia		State New Mexico	
L 12,200	H 12,200	G _g 0.599	% CO ₂ 0.592
% N ₂ 0.511	% H ₂ S -	Prover -	Meter Run 3"
Taps Flange			

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _{1/2}	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							5970	57	Packer	-
1.	3" x 1.75" 4/64"			490	10	85	5500	64	-	-
2.	3" x 1.75" 6/64"			500	21	84	5200	64	-	-
3.	3" x 1.75" 8/64"			505	34	83	4775	63	-	-
4.	3" x 1.75" 12/64"			530	62	83	4400	64	-	-
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	20.15	70.94	503.2	.9768	1.292	1.040	1876
2	20.15	103.81	513.2	0.9777	1.292	1.040	2748
3	20.15	132.74	518.2	0.9786	1.292	1.049	3547
4	20.15	183.52	543.2	0.9786	1.292	1.045	4886
5.							

NO.	P _t	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure 671	P.S.I.A.
5.					Critical Temperature 362	R

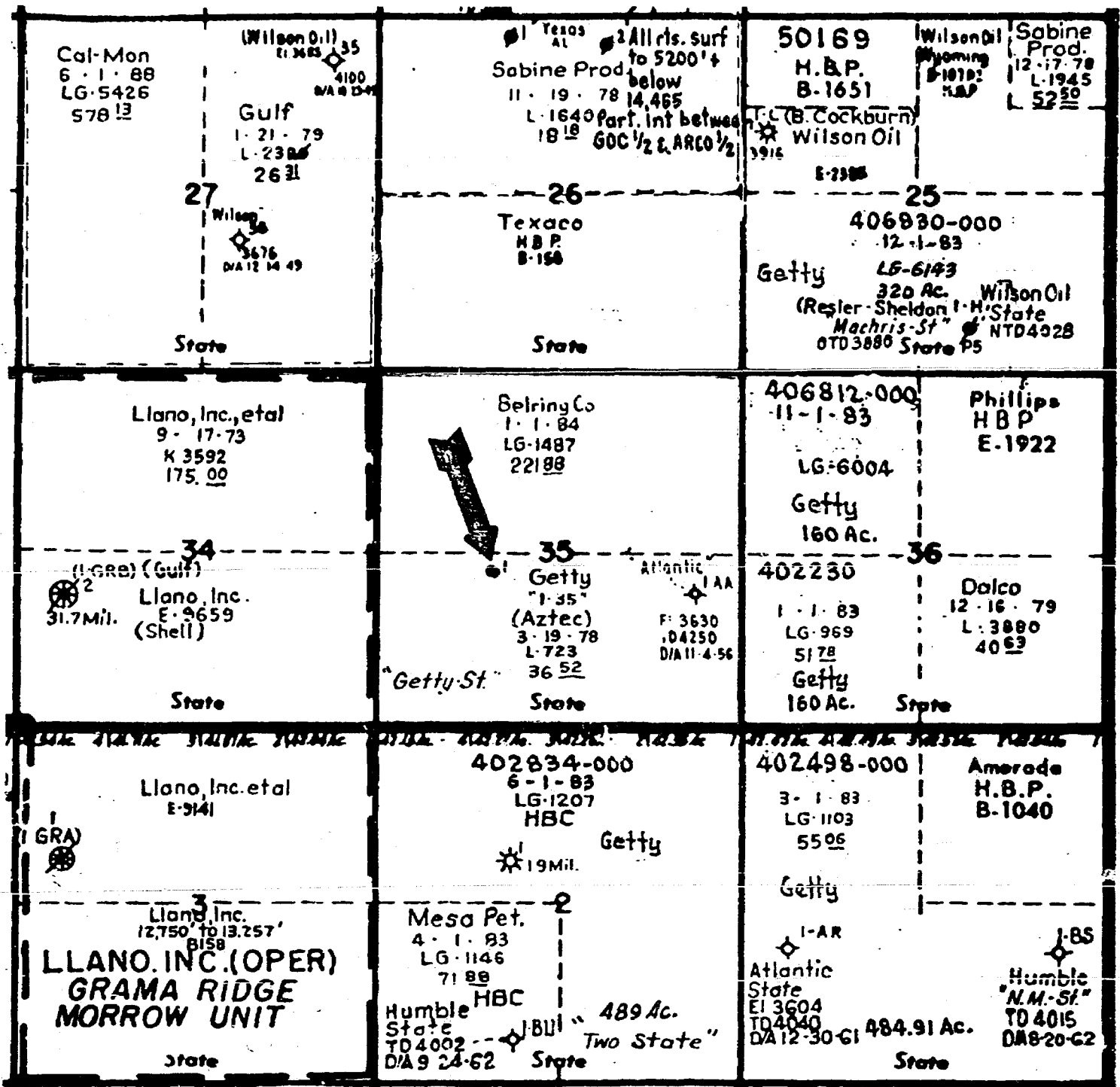
NO.	P _t ²	P _w ²	P _w ² *	P _w ² - P _w ²
1	6969.2	48,570	7,204	
2	6538.2	42,748	13,026	
3	6405.2	41,027	14,747	
4	5829.2	33,980	21,794	
5				

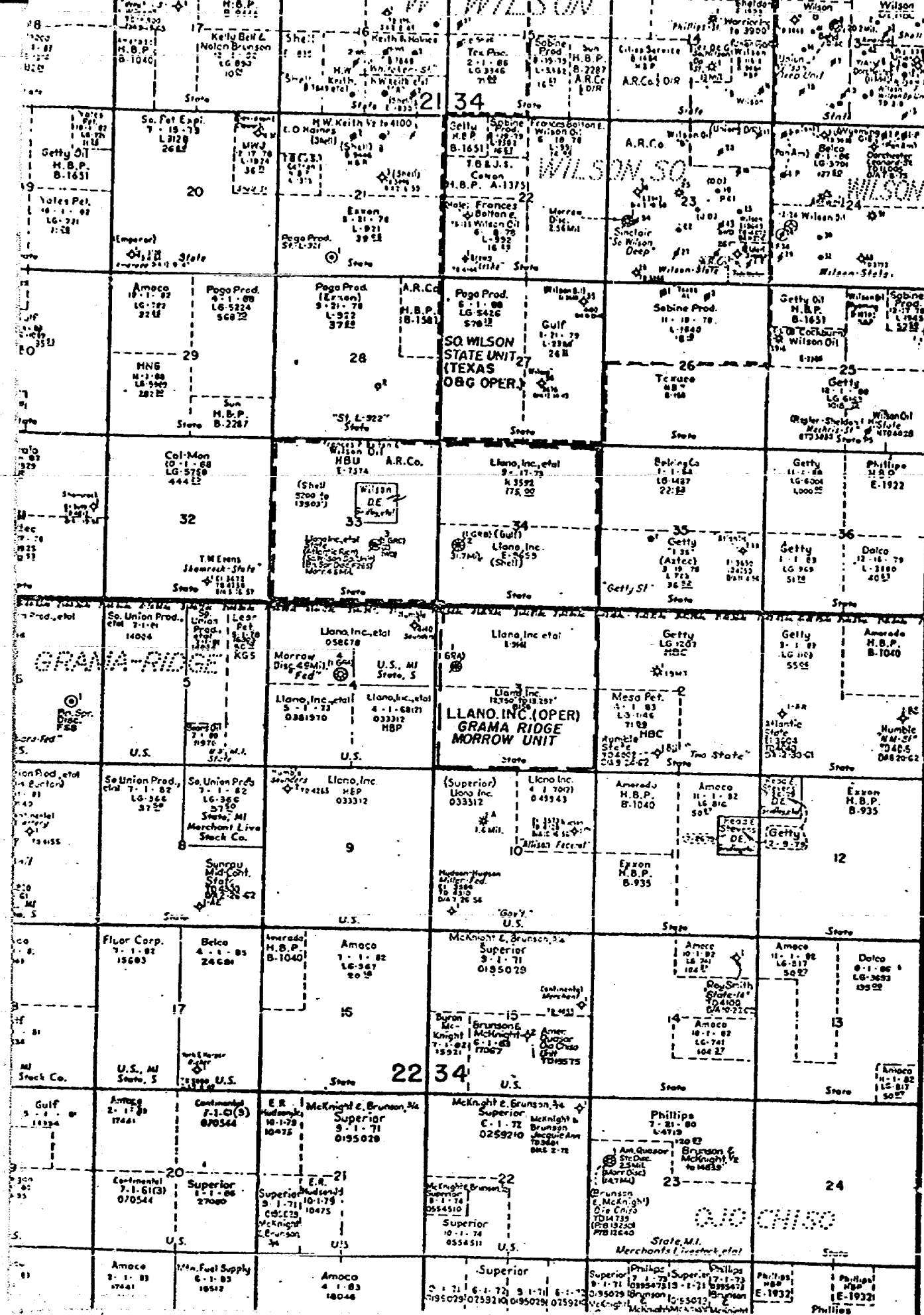
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.539$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.273$	
ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 11,107$			

Absolute Open Flow	11,107	Mcf/d @ 15.025	Angle of Slope θ	Slope, n	874
--------------------	--------	----------------	-------------------------	----------	-----

Remarks: *P _c & P _w from bottom hole pressure recorder @ (-9329) 13005'			
Approved By Commission:	Conducted By: M.Y. Merchant	Calculated By: M.Y. Merchant	Checked By: D. R. Crockett

GETTY OIL COMPANY - OPERATOR
 GETTY "35" STATE WELL NO. 1
 SEC. 35, T-21-S, R-34-E
 LEA COUNTY, NEW MEXICO





T
21
S

T
22
S

SOUTHEAST NEW MEXICO Packer Leakage Test

Operator Getty Oil Company			Lease Getty "35" State			Well No. 1	
Location of Well	Unit K	Sec 35	Twp 21-S	Rge 34-E	County Lea		
Name of Reservoir or Pool			Type of Prod (Oil or Gas)	Method of Prod Flow, Art Lift	Prod. Medium (Top or Cas)	Choke Size	
Upper Zone	Grama Ridge Wolfcamp		Oil	Flow	Tubing	16/64"	
Lower Zone	Grama Ridge Morrow		Gas	Flow	Tubing	7/64"	

FLOW TEST NO. 1

Both zones shut-in at (hour, date): 10:00 a.m. February 5, 1979

Well opened at (hour, date): 10:00 a.m. February 6, 1979

Indicate by (X) the zone producing.....	Upper Completion	Lower Completion
		X
Pressure at beginning of test.....	2475	6000
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	2482	6000
Minimum pressure during test.....	2475	5010
Pressure at conclusion of test.....	2482	5010
Pressure change during test (Maximum minus Minimum).....	7	990
Was pressure change an increase or a decrease?.....	Increase	Decrease

Well closed at (hour, date): 8:00 a.m. February 7, 1979

Oil Production _____ Gas Production _____

During Test: 12 bbls; Grav. 48°; During Test 2,211 MCF; GOR 180,425

Remarks Gas purchaser - Llano Gas Co.

FLOW TEST NO. 2

Well opened at (hour, date): 9:00 a.m. February 8, 1979

Indicate by (X) the zone producing.....	Upper Completion	Lower Completion
	X	
Pressure at beginning of test.....	2490	6000
Stabilized? (Yes or No).....	Yes	Yes
Maximum pressure during test.....	2490	6005
Minimum pressure during test.....	1510	6000
Pressure at conclusion of test.....	1510	6005
Pressure change during test (Maximum minus Minimum).....	980	5
Was pressure change an increase or a decrease?.....	Decrease	Increase

Well closed at (hour, date): 9:00 a.m. February 9, 1979

Oil Production _____ Gas Production _____

During Test: 318 bbls; Grav. 45°; During Test 616 MCF; GOR 1937

Remarks Gas purchaser - Llano Gas Co.

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

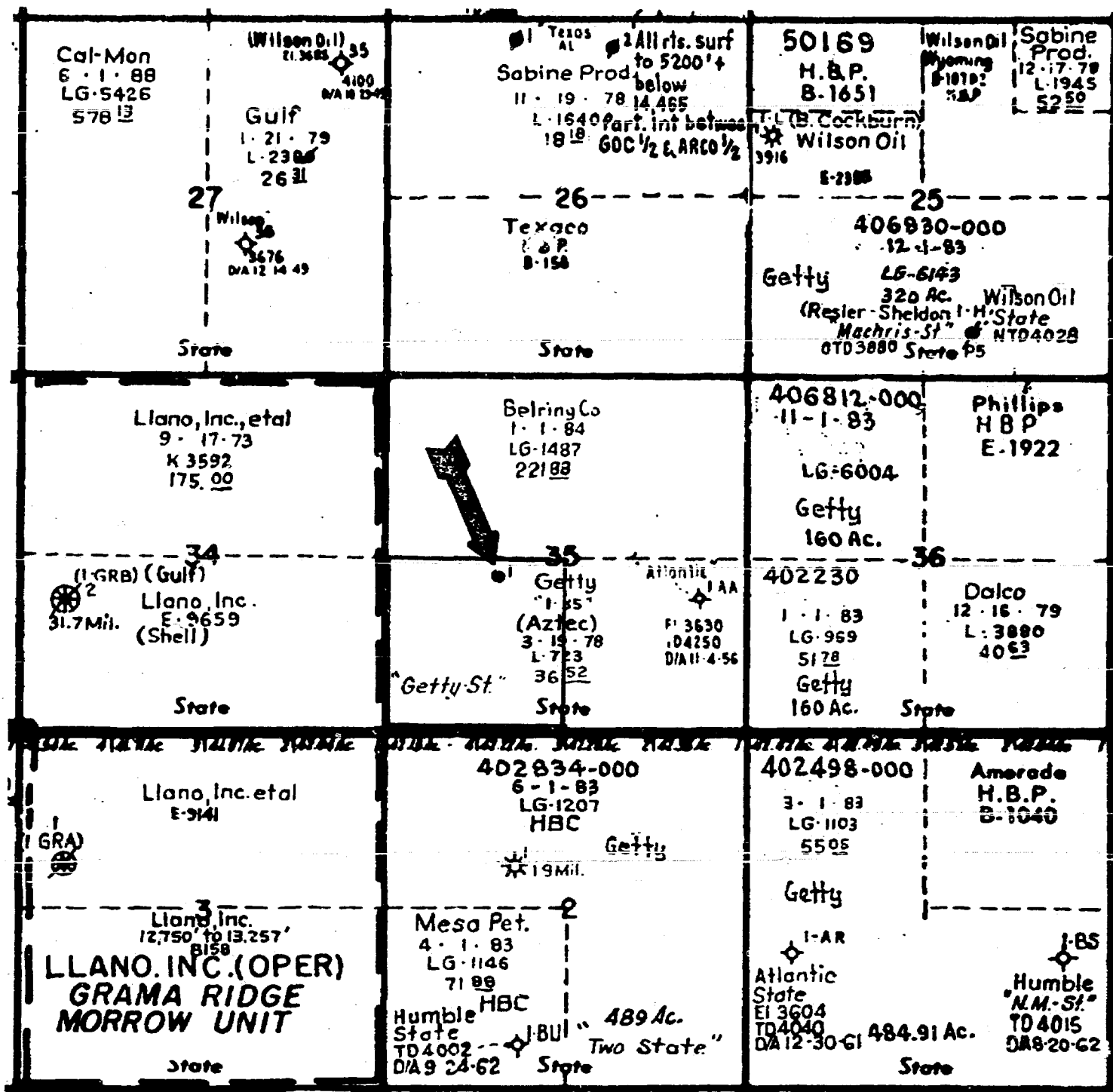
Approved _____ 19
New Mexico Oil Conservation Commission

By _____
Title _____

Operator Getty Oil Company

By William F. Koffel

Title Field Technician



NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
APPLICATION FOR MULTIPLE COMPLETION

Form C-107
5-1-61

Operator Getty Oil Company		County Lea		Date February 5, 1979
Address P. O. Box 730, Hobbs, NM 88240		Lease Getty "35" State		Well No. 1
Location of Well K	Unit 35	Section 21S	Township 34E	Range 34E

1. Has the New Mexico Oil Conservation Commission heretofore authorized the multiple completion of a well in these same pools or in the same zones within one mile of the subject well? YES _____ NO X
2. If answer is yes, identify one such instance: Order No. _____, Operator Lease, and Well No.: _____

3. The following facts are submitted:	Upper Zone	Intermediate Zone	Lower Zone
a. Name of Pool and Formation	Gramma Ridge Wolfcamp	-	Gramma Ridge Morrow
b. Top and Bottom of Pay Section (Perforations)	10,810-828'		12,907'-13,102'
c. Type of production (Oil or Gas)	Oil		Gas
d. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing

4. The following are attached. (Please check YES or NO)

- | | | |
|-------------------------------------|-------------------------------------|---|
| Yes | No | |
| ☒ | ☐ | a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, centralizers and/or turbolizers and location thereof, quantities used and top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent. |
| ☒ | ☐ | b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease. |
| ☐ | ☒ | c. Waivers consenting to such multiple completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.* |
| ☒ | ☐ | d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed it shall be submitted as provided by Rule 112-A.) |

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

Sabine Production Co., 901 Wall Towers East, Midland, Texas 79701

Llano, Inc., P. O. Box 1320, Hobbs, New Mexico 88240

Texas Oil & Gas, 900 Wilco Bldg., Midland, Texas 79701

Texaco, Inc., P. O. Box 728, Hobbs, New Mexico 88240

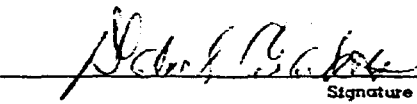
Wilson Oil, P. O. Box 457, Artesia, New Mexico 88210

Amerada Hess Corp., Box 840, Seminole Texas 79360

Exxon Corp., Box 1600, Midland, Texas 79701

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES _____ NO X. If answer is yes, give date of such notification _____.

CERTIFICATE: I, the undersigned, state that I am the Area Superintendent of the Getty Oil Company (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.


Signature **Dale R. Crockett**

*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard perforation unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

- CASE 6464: Application of Dallas McCasland for clarification of Orders Nos. R-2789 and R-2794, Lea County, New Mexico. Applicant, in the above-styled cause, seeks clarification of Orders Nos. R-2789 and R-2794 to determine what formations have been unitized and what formations are subject to a waterflood project under the South Penrose-Skelly Unit, Sections 6 and 7, Township 22 South, Range 37 East, Lea County, New Mexico, and of the vertical limits of the Eunont and Penrose-Skelly Pools in said sections.
- CASE 6465: Application of Getty Oil Company for an unorthodox well location and a non-standard proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 160-acre non-standard gas proration unit comprising the SE/4 of Section 31, Township 24 South, Range 37 East, Jalmal Gas Pool, Lea County, New Mexico, to be dedicated to its J. W. Sherrell Well No. 9 located 2250 feet from the South line and 1650 feet from the East line of said Section 31.
- CASE 6466: Application of Getty Oil Company for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its State 35 Well No. 1 located in Unit K of Section 35, Township 21 South, Range 34 East, Lea County, New Mexico, to produce oil from an undesignated Wolfcamp pool and gas from the Grama Ridge-Morrow Gas Pool through parallel strings of tubing.
- CASE 6467: Application of Getty Oil Company for pool creation and special pool rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order creating a new oil pool in the Wolfcamp formation for its State 35 Well No. 1 located in Unit K of Section 35, Township 21 South, Range 34 East, Lea County, New Mexico, and for promulgation of special pool rules, including provision for 160-acre spacing.
- CASE 6468: Application of Dome Petroleum Corporation for an exception to Order No. R-1069, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Rule 2 of Order No. R-1069, as amended, for the Bisti-Lower Gallup Oil Pool to approve the following 13 non-standard proration units: the W/2 NW/4, W/2 NE/4, E/2 SW/4, and the E/2 SE/4 of Sections 3, 4, and 9, and the W/2 NW/4 of Section 10, all in Township 26 North, Range 14 West, San Juan County, New Mexico.
- CASE 6469: Application of Continental Oil Company for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its Fed. 34 Well No. 1 located in Unit N of Section 34, Township 20 South, Range 26 East, Eddy County, New Mexico, to produce gas from the Springs-Upper Pennsylvanian Pool and an undesignated Morrow pool through parallel strings of tubing.
- CASE 6470: Application of Phillips Petroleum Company for approval of infill drilling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks a waiver of existing well spacing requirements to permit an infill drilling program in its East Vacuum Unit Area, Vacuum Grayburg-San Andres Pool, Lea County, New Mexico, and a finding that such infill wells are necessary to effectively and efficiently drain that portion of their proration units which is not presently being drained by any existing well. Applicant specifically seeks such waivers and findings now for ten wells, all in Township 17 South, Range 35 East, and located as follows: Unit K of Section 27; Units M and O, Section 28; Units B, I, and M of Section 32; Units C, H, and M of Section 33; and Unit C of Section 34.
- CASE 6471: Application of Consolidated Oil & Gas, Inc. for approval of infill drilling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks a waiver of existing well-spacing requirements and a finding that the drilling of its Freeman Well No. 1-A to be located in Unit C of Section 11, Township 31 North, Range 13 West, Basin-Dakota Pool, San Juan County, New Mexico, is necessary to effectively and efficiently drain that portion of the proration unit which cannot be so drained by the existing well.
- CASE 6472: Application of Consolidated Oil & Gas, Inc. for approval of infill drilling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks a waiver of existing well-spacing requirements and a finding that the drilling of its Jenny Well No. 1-A to be located in Unit P of Section 13, Township 26 North, Range 4 West, Basin-Dakota Pool, Rio Arriba County, New Mexico, is necessary to effectively and efficiently drain that portion of the proration unit which cannot be so drained by the existing well.
- CASE 6473: Application of Consolidated Oil & Gas, Inc. for approval of infill drilling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks a waiver of existing well-spacing requirements and a finding that the drilling of its McIntyre Well No. 1-A to be located in Unit K of Section 11, Township 26 North, Range 4 West, Basin-Dakota Pool, Rio Arriba County, New Mexico, is necessary to effectively and efficiently drain that portion of the proration unit which cannot be so drained by the existing well.
- CASE 6474: Application of Consolidated Oil & Gas, Inc. for approval of infill drilling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks a waiver of existing well-spacing requirements and a finding that the drilling of its Williams Well No. 1-A to be located in Unit C of Section 24, Township 31 North, Range 13 West, Basin-Dakota Pool, San Juan County, New Mexico, is necessary to effectively and efficiently drain that portion of the proration unit which cannot be so drained by the existing well.



Getty Oil Company | P.O. Box 3000, Tulsa, Oklahoma 74102 • Telephone: (918) 560-6130, 560,6000

Chester E. Blodget, Attorney

February 5, 1979

Case 6466

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

RE: IN THE MATTER OF APPLICATION
OF GETTY OIL COMPANY FOR A DUAL
COMPLETION, LEA COUNTY, NEW MEXICO

Gentlemen:

We are enclosing herewith the original and two copies of the above-referenced Application.

We would appreciate your setting this matter for hearing on February 28, 1979.

Thank you,

Yours very truly,

Chester E. Blodget
Chester E. Blodget

CEB:lt
Enclosures

FEB - 7 1979

UNIVERSITY OF NEW MEXICO

BEFORE THE STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

FEB 27 1979

APPLICATION OF GETTY OIL COMPANY)
FOR A DUAL COMPLETION)
LEA COUNTY, NEW MEXICO)

CAUSE C.D. NO. 6466

A P P L I C A T I O N

COMES NOW Getty Oil Company and alleges and states:

1. That Getty Oil Company is the owner and operator of the Getty 35 State No. 1, located in Unit Letter K, 2310 feet from the South line and 1650 feet from the West line of Section 35, Township 21 South, Range 34 East, Lea County, New Mexico.

2. That Applicant desires to complete its said well as a dual completion: to produce oil from the Wolfcamp formation from the interval between 10,810 feet and 10,828 feet, and to produce gas from the Morrow formation from the interval between 12,907 feet and 13,102 feet. The said oil to be produced through 2-3/8 inch tubing set at 10,187 feet, and the gas to be produced through 2-3/8 inch tubing set at 12,200 feet.

3. That a Baker Model K Dual Packer has been set at 10,187 feet and a Baker Model D Packer has been set at 12,200 feet.

4. That the granting of this Application will avoid waste, allow the recovery of oil and gas which might not otherwise be recovered, and will not violate correlative rights.

WHEREFORE, PREMISES CONSIDERED, Applicant prays that this Commission set this matter down for hearing, that notice thereof be given as required by law, and that at the conclusion of said hearing based on the evidence adduced, enter its Order allowing Getty Oil Company dually complete the well as above requested.

GETTY OIL COMPANY

By Chester E. Blodget
Chester E. Blodget
Attorney
P. O. Box 3000
Tulsa, Oklahoma 74102

BEFORE THE STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

FEB - 7 1979

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FOR A DUAL COMPLETION) CAUSE C.D. NO. 6466
LEA COUNTY, NEW MEXICO)

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GETTY OIL COMPANY

By Chester E. Blodget
Chester E. Blodget
Attorney
P. O. Box 3000
Tulsa, Oklahoma 74102

BEFORE THE STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

FEB - 7 1979

APPLICATION OF GETTY OIL COMPANY)
FOR A DUAL COMPLETION)
LEA COUNTY, NEW MEXICO)

CAUSE C.D. NO. 6466

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WHEREFORE, PREMISES CONSIDERED, Applicant prays that this Commission set this matter down for hearing, that notice thereof be given as required by law, and that at the conclusion of said hearing based on the evidence adduced, enter its Order allowing Getty Oil Company dually complete the well as above requested.

GETTY OIL COMPANY

By Chester E. Blodget
Chester E. Blodget
Attorney
P. O. Box 3000
Tulsa, Oklahoma 74102

2-5-28 Chester Bldgett

Application of Getty Oil Co
for a Dual completion, Lea
Co. N.M.

Getty 35 State Well No 1 in
Unit K Sec 35-T21S-R34E

Undesignated Wolfcamp oil & Grana Ridge - Morrow gas
parallel strings of tubing

RLS

ROUGH

dr/

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. 6466

Order No. R- 5957

APPLICATION OF GETTY OIL COMPANY

FOR A DUAL COMPLETION, LEA

COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 o'clock a.m. on
February 28, 19 79, at Santa Fe, New Mexico, before
Examiner Richard L. Stamets.

NOW, on this _____ day of March, 19 79, 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, Getty Oil Company,
seeks authority to complete its State 35
Well No. 1, located in Unit K of Section 35, Town-
ship 21 South, Range 34 East, NMPM, Lea
County, New Mexico, as a dual completion (conventional) to
(combination)
(tubingless)
oil
produce ~~gas~~ from the an undesignated Wolfcamp pool and gas
from the Gramma Ridge-Morrow Gas Pool through parallel strings
of tubing.

(3) That the evidence presented established that
the "Wolfcamp" ^{pool} ~~zone~~ is more properly defined
as a Bone Spring pool

The authority granted by this order whenever it should appear that the method of production of the Bone Spring zone is no longer efficient.
Bone Spring zone is not being efficiently produced

- ~~(5) That the Division Director should be authorized to rescind~~
(5) That the Division Director should be authorized to rescind the authority granted by this order whenever it should appear that the method of production of the Bone Spring zone is no longer efficient.
(4) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.
(5) → (6) That approval of the subject application will prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Getty Oil Company, is hereby authorized to complete its State 35 Well ~~Well~~ No. 1, located in Unit K of Section 35, Township 21 South, Range 34 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) ~~(combination)~~ ~~(tubingless)~~ oil to produce ~~gas~~ from ~~the~~ an undesigned ^{Bone Spring} ~~Wolfcamp~~ pool and gas from the Grama Ridge-Morrow Gas Pool through parallel strings of tubing. *with separation of the zones to be achieved by means of a packer to be set at approximately 10,187 feet.*

PROVIDED HOWEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Division Rules and Regulations insofar as said rule is not inconsistent with this order;

PROVIDED FURTHER, that the applicant shall take Packer - Leakage tests upon completion and annually thereafter during the Annual Shut-In Pressure Test Period for the gas wells in Southeastern New Mexico Pool.

(3) 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.

Division
(2) That the ^{Division} Director of ~~the Division~~ may administratively rescind the dual completion authority granted by this order if it should appear that the ~~Bone~~ method of production of the Bone Spring zone is no longer efficient.