Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other

2. NAME OF OPERATOR
Getty Oil Company

3. ADDRESS OF OPERATOR
Drawer 510, Farmington, New Mexico

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1120'FNL & 1805' FWL (NW 1/4)
AT TOP PROD. INTERVAL: SAME
AT TOTAL DEPTH: SAME

5. LEASE
NM-080280

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT AGREEMENT NAME
N/A

8. FARM OR LEASE NAME
Mexico-Federal R

9. WELL NO.
#1EM

10. FIELD OR WILDCAT NAME
Blanco Mesa Verde-Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 12 T31N R13W

12. COUNTY OR PARISH 13. STATE
San Jaun New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5794' GR

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF ☐	☐
FRACTURE TREAT ☐	☐
SHOOT OR ACIDIZE ☐	☐
REPAIR WELL ☐	☐
PULL OR ALTER CASING ☐	☐
MULTIPLE COMPLETE ☐	☐
CHANGE ZONES ☐	☐
ABANDON* ☐	☐
(other) Change Plans	

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The well location was moved 50' North in order to comply with U.S.G.S. regulations.

The estimated top of the Ojo Alamo Formation is 800'.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Paul D Berkost TITLE Field Technician Getty Oil Company DATE August 18 - 1979

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

AUG 29 1979
Area Manager

*See Instructions on Reverse Side

RECEIVED
AUG 29 1979
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-102
Revised 10-1-78

All distances must be from the outer boundaries of the Section.

Operator	Lease	Well No.
GETTY OIL COMPANY	MEXICO-FEDERAL "R"	1

Unit Letter	Section	Township	Range	County
C	12	31N	13W	San Juan

Actual Footage Location of Well:
1120 feet from the North line and 1805 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
5794	Mesa Verde		Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

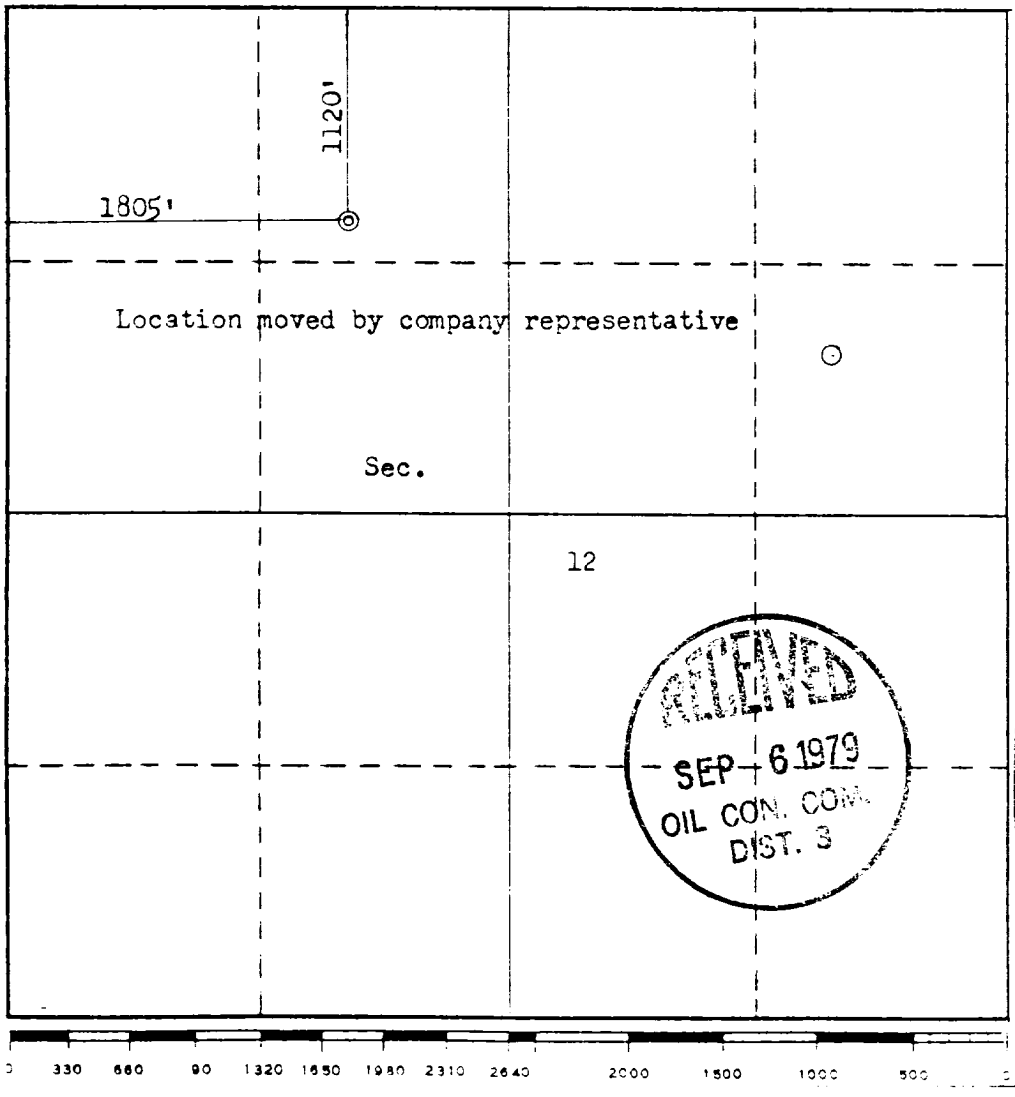
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

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



RECEIVED
SEP 6 1979
OIL CON. COM.
DIST. 3

CERTIFICATION

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

PAUL O BERHOST

Name: Paul O Berhost

Position: Field Technician II

Company: Getty Oil Co

Date: August 16 1979

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.

RECEIVED
AUG 21 1979
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

Date Surveyed: August 17, 1979

Registered Professional Engineer and/or Land Surveyor

Fred B. Kerr Jr.

Certificate No. 3950

STATE OF NEW MEXICO
REGISTERED
PROFESSIONAL
SURVEYOR
FRED B. KERR, JR.

NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [x] Initial [ ] Annual [ ] Special				Test Date: 1-2-71	
Company: Getty Oil Company			Connection: Not Connected		
Pool: Basin			Formation: Dakota		Unit
Completion Date: 12-20-70	Total Depth: 6712		Plug Back TD: 6706	Elevation: 57[illegible]	Farm or Lease Name: exico Fed. [illegible]
Csg. Size: 7.625 / 5.500	Wt.: 26.4 / 15.5	d: 6.969 / 4.950	Set At: 3071 / 6710	Perforations: From 6572 To 6600	Well No.: 1 [illegible] M
Tbg. Size: 2.375	Wt.: 4.7	d: 1.995	Set At: 6713	Perforations: From [illegible]pen To [illegible]ned	Unit: J Sec.: 12 Twp.: 31N Rge.: 13W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas Multiple			Packer Set At: 4797		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F	Baro. Press. – P_a: 12.3		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
6713	6712	.720				2.000		

FLOW DATA

NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA Press. p.s.i.g.	TUBING DATA Temp. °F	CASING DATA Press. p.s.i.g.	CASING DATA Temp. °F	Duration of Flow
SI							1232				168 hr.
1.	2.000	x	.750				27				1 hr.
2.	2.000	x	.750				25				2 hr.
3.	2.000	x	.750				24				3 hr.
4.											
5.											

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	11.00		59	1.000	1.179	1.000	506
2	11.00		37	1.000	1.179	1.000	437
3	11.00		36	1.000	1.179	1.000	427
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

P_c 1344 P_c^2 1806336

Gas Liquid Hydrocarbon Ratio 230 to 1 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons ____ Deg.
Specific Gravity Separator Gas ____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX ____
Critical Pressure ____ P.S.I.A.
Critical Temperature ____ R

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3	1296	36	1296	1794336
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0039$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0029$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n =$ [illegible]

Absolute Open Flow 458 Mcfd @ 15.025 | Angle of Slope θ ____ | Slope, n .75

Remarks: ____

Approved By Commission:	Conducted By: [illegible] Prichard	Calculated By: [illegible] Prichard	Checked By:

RECEIVED
JAN 10 1971
OIL CON. COM.
DIST. 3

NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special			Test Date: 1-9-81	
Company: Getty Oil Company	Connection: Not Connected			
Pool: Blanco	Formation: Mesaverde		Unit	
Completion Date: 12-20-80	Total Depth: 6912	Plug Back TD: 6806	Elevation: 5794 G.L.	Farm or Lease Name: Mexico Fed. R
Csg. Size: 7.625 / 5.500 — Wt.: 26.4 / 15.5 — d: 6.969 / 4.950 — Set At: 4071 / 6910		Perforations: From 4456 To 4725		Well No.: 1 M
Tbg. Size: 2.375 / 1.315 — Wt.: 4.7 / 1.7 — d: 1.995 / 1.049 — Set At: 3837 / 4537		Perforations: From Open To Ended		Unit: C — Sec.: 12 — Twp.: 31N — Rge.: 13W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Gas — Gas Multiple		Packer Set At: 4797		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F: @	Mean Annual Temp. °F	Baro. Press. – P_a: 12.0	State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
4537	4537	.630				2.000		

	FLOW DATA				TUBING DATA		CASING DATA		
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	Duration of Flow
SI					962		965		335 HRS
1.	2.000 x .750				203	60	827		1ST HR
2.	2.000 x .750				189	60	788		2ND HR
3.	2.000 x .750				183	60	764		3RD HR
4.									
5.									

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	11.00		220	1.000	1.213	1.024	3006
2	11.00		201	1.000	1.213	1.022	2741
3	11.00		195	1.000	1.213	1.021	2657
4							
5							

NO.	P_r	Temp. °R	T_r	Z
1				
2				
3				
4				
5				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 977 P_c^2 954529

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1				
2				
3	38025	776	602176	352353
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.7090$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.1116$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 5610$

Absolute Open Flow 5610 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: Top of Hanger at 3910

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Paul D. Berhost	Paul D. Berhost	

e

Getty

Getty Oil Company P.O. Box 3360 Casper, Wyoming 82602

Central Exploration and Production Division

January 16, 1981

State of New Mexico
Oil & Gas Conservation Commission
1000 Rio Brazos Road
Aztec, New Mexico 87410

Re: Mexico Federal R ~~#1EM~~ 1M
C Sec 12-T31N-R13W
San Juan County, New Mexico

Gentlemen:

Listed below are the deviation surveys run during the drilling of the above-captioned well:

1/2°	280'	4 3/4°	5954'
1	1929	3	5983
1/2	2697	3	6014
1/2	3226	3 1/2	6043
1 3/4	4100	3	6085
1 1/2	4727	3	6137
2	5981	2 3/4	6213
3 1/2	6176	3	6306
4 1/2	6270	7 1/4	6490
Set 124 Sks Cement		6 3/4	6678
Plut from 6284-5925'			

RECEIVED
JAN 19 1981
OIL CON. COM.
DIST. 3

I hereby certify the above information is true and correct to the best of my knowledge.

for Charles E Mowry
H. E. Aab
Area Superintendent

JLF/HEA:mm

Sandra G. Smith

SANDRA G. SMITH - Notary Public
County of Natrona State of Wyoming
My Commission Expires Oct. 22, 1984