SUBMIT IN TRIPLICATE*

(Other instructions on reverse side) HNITED STATES

;•	Form Budget	approved Bureau	No.	42-R142
7		. /	_	A 1

	DEPARTMENT	OF THE IN	TERIOR	1646196 81	ue, -	5. LEASE DESIGNATION	ON AND SERIAL NO.
	GEOLO	GICAL SURVE	Y			NM 048569	•
APPLICATIO	N FOR PERMIT	O DRILL, DI	EEPEN, OR	PLUG B	ACK	6. IF INDIAN, ALLOTT	TEE OR TRIBE NAME
1a. TYPE OF WORK		DEEPEN [) DI	UG BAC	יע ר	N/A 7. UNIT AGREEMENT	NAME
b. TYPE OF WELL		DEEPEN _	, Pi	JAG BAC	_K :	N/A	
OIL O	VELL OTHER		SINGLE X	MULTIPI Zone	LE	8. FARM OR LEASE I	
2. NAME OF OPERATOR	•					Mexico-Feder	al K
Getty Oil Col	mpa ny					9. WELL NO. #1E	
	Farmington, New	Mexico 8740	1			10. FIELD AND POOL	OR WILDCAT
4. LOCATION OF WELL (I	Report location clearly and			ents.*)		Basin Dakota	
At surface	1190'FSL & 🗗	1850' FWL 2120				11. SEC., T., R., M., O AND SURVEY OR	R BLK.
At proposed prod. zo Same	ne					Sec. 8 T28N	R10W
14. DISTANCE IN MILES	AND DIRECTION FROM NEAR	REST TOWN OR POST	OFFICE*			12. COUNTY OF PARIS	BH 13. STATE
	utheast of Bloom					San Juan	New Mexico
15. DISTANCE FROM PROP LOCATION TO NEARES PROPERTY OR LEASE (Also to nearest dr)	T	190'	16. NO. OF ACRES 1 319.67	N LEASE		of acres assigned this well 3/	9.67
18. DISTANCE FROM PRO	POSED LOCATION* DRILLING, COMPLETED, 2	460'	19. PROPOSED DEPTI 6550	E .	20. ROTA	Rotary	
21. ELEVATIONS (Show wh	hether DF, RT, GR, etc.) 5709 GR					22. APPROX. DATE July 1, 19	WORK WILL START*
23.	I	PROPOSED CASING	AND CEMENTIN	G PROGRA	M		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOO	T SETTING	DEPTH	<u> </u>	QUANTITY OF CEM	ENT
12-1/4"	8-5/8" new	24# K-55	300'		250 cu	.ft. Class "	R"
7-7/8"	5-1/2" new	14# K-55	5410'			.ft. 65-35 p	
	5-1/2" new	15.5# K-55	6550'				ozmix; 355 c <mark>u</mark>
	1	I	1			5-35 pozmix; pozmix.	980 cu.ft.
	-1/4" hole and s					returns.	
	P. checks daily						
	s, if warranted, as needed, and					•	
EXHIBITS ATT		per rorate a	na semarae.	2 US 11C.		Marine the control of the control of the second	~_api.w.+
"A" Loc	cation and Eleva			"H" ∮	Drill	Rig Layout	·
	e Ten-Point Comp		ram	"K" }		zing & Fraci	
	e Blowout Prever			i,	ii	M 28 375	
	e Multi-Point Re	•	for A.P.D.				:
	cess Roads into dius Map of Fiel			1	U. S. G	EOLOGICAL SHIPPIN	,
"G" Dr	ill Pad Layout, oduction Facilit	Cut-Fill Cro	oss Section	,	<u> ជាត្រូវ</u>	EOLOGICAL SURVICEMENTS	· .·
IN ABOVE SPACE DESCRIB	E PROPOSED PROGRAM: If drill or deepen directions	proposal is to deepe					
preventer program, if an 24.	ny.					· · · · · · · · · · · · · · · · · · ·	
SIGNED	o leab	TITL	Area Si	perinte	endent	June	25, 1979
(This space for Fed	eral or State office use)				1	T ann	

APPROVAL DATE PERMIT NO. __ TITLE _ oh Freh NWU R-1814

*See Instructions On Reverse Side

MOCC

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

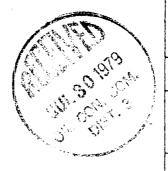
1brm C-102 Supersedes C-128 Etloctive 1-1-65

-			All distan	ces must be	from the outer box	underles of	the Section				
Operator					Lease					Well No.	<u> </u>
GETTY OI	r cas	PANY			MEXICO-FEDERAL "K"				1	_	
Unit 1. otter	Section	an	Township		Range		County	·	L	1-E	
N	1 8	}	28N		10W		SAN J	IIAN			
Actual Footage Lo	cation o	i Well:						01111			
1190			outh	line and	2120	feet	from the	West	111	ne	
Ground Level Elev.	.	Producing Fo			Pool				Dedicate	ed Acreage;	
5713		Dakota			Basin Da	kota				29 (319.67)cros	
1. Outline t	he acr	eage dedic	ated to the	aubject w	vell by colored	pencil o	r hachure	marks on	the plat	below.	
3. If more th	ind roy	e lease of initization.	different own	nership i3 force-pool	dedicated to t	he well,	have the	interests		(both as to working	
If answer this form	is "n if nece	o!' list the	owners and	tract des	criptions which	h have ac	ctually be	en consoli	idated. (l	Use reverse side of	
No allowa forced-poo sion.	ble wi oling, c	ll be assign or otherwise	ned to the weel) or until a m	ell until a ion-standa	ll interests hav rd unit, elimina	ve been cating suc	consolidat h interest	ted (by co s, has bee	ommunitiz en approv	zation, unitization, wed by the Commis-	
									CERT	IFICATION	

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	521	39, 9 °	N 89	57'W	527	0.1	·

SCALE: 1"=2000"

Re-staked to conform to spacing requirements of non-standard acreage



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

Mance Togosol Name George Lapaseotes

Position

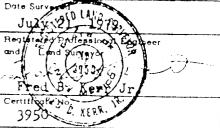
Vice President

Company

Powers Elevation

July 26, 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.



EXHI3IT "B"

TEN-POINT COMPLIANCE PROGRAM

OF NTL-6 APPROVAL OF OPERATIONS

Attached to Form 9-331C Getty Oil Company #1E Mexico - Federal K 1190' FSL & 1850' FWL Sec. 8 T28N R10W San Juan County, New Mexico

1. The Geologic Surface Formation

The surface formation is an unnamed shale.

2. Estimated Tops of Important Geologic Markers

Fruitland	1716'
Pictured Cliffs	1908'
Chacra	3000 '
Cliff House	3489 '
Point Lookout	4200'
Gallup	5431'
Dakota	6300'
TD	6550'

3. Estimated Depths of Anticipated Water, Oil, Gas or Minerals

1716	_	1908'	gas
1908'	_	1956'	gas
300 0 '	_	3016'	gas
4200'	-	4406'	gas
6300'	-	6525'	gas

4.	The Proposed	Casing Program				
Hole		Section	Size	Weight, Grade	New or	Mud *
<u>Size</u>	Interval	Length	(OD)	& Joint	<u>Used</u>	Weight
	-			8rnd.		
12¼"	0-300'	300'	8 5/8"	24# K-5 ST&C	New	8.8#
7 7/8"	0-5410'	5410'	5½"	14# K-55 " "	New	
7 7/8"	5410'-6550 '	1140'	5½"	15.5# k-55" "	New	9.2#
4			C.F.	CF		
* at cas	ing setting		SF	SF SF		
				<u>c</u> <u>b</u>		
			36.5	9.1 15.1		
			2.0	1.1 1.7		
			12.4	1.2 1.9		

Cement Program

Surface - 8 5/8" - 250 cubic feet, Class "B", with 2% CaCl2.

Production - 5½" - First stage lead: 180 cubic feet 65-35 Pozmix with 12% gel, ½#/sack cellophane.

First stage tail: 470 cubic feet 50-50 Pozmix with 4% gel,

½#/sack cellophane, and .4% Halad-9.

Second stage lead: 355 cubic feet 65-35 Pozmix with 12% gel,

4#/sack cellophane.

Second stage tail: 980 cubic feet 50-50 Pozmix with 4% gel,

½#/sack cellophane and .4% Halad-9.

5. The Operator's Minimum Specifications for Pressure Control

BOP will be a shaeffer rotating head or the equivalent. EXHIBIT "C" is a schematic diagram of the blowout preventer equipment. The BOP's will be hydraulically tested to the full working pressure after nippling up and after any use under pressure. Pipe rams will be operationally checked each 24-hour period, as will blind rams each time pipe is pulled out of the hole. Such checks of BOP will be noted on daily drilling reports.

Accessories to BOP will include an upper and lower kelly cock, floor safety valve, and choke manifold with pressure rating equivalent to the BOP stack.

6. The type and Characteristics of the Proposed Circulating Muds

Mud system will be gel-chemical with adequate stocks of sorptive agents on site to handle possible spills of fuel and oil on the surface. Heavier muds will be on location to be added if pressure requires.

Interval	Туре	Weight/Gal.	Viscosity (Sec.)	Water Loss	Additives
0-300' 300'-5000' 5000'-6550'	water-gel water-gel LSND	8.5-8.8 8.5-8.8 8.6-9.2	28-32 30-34 34-36	NC 8-12cc 8cc	gel celex & gel gel, cypan, soda, ash, LCM

7. The Auxiliary Equipment to be Used

- (a) A kelly cock will be kept in the string.
- (b) A float will be used at the bit.
- (c) The mud system will be monitored visually.
- (d) A stabbing valve will be on the floor to be stabbed into the drill pipe when kelly is not in the string.

8. The Testing, logging and Coring Programs to be Followed

- (a) No DST's will be run.
- (b) The logging program will consist of DILL from 300'-6550'; detail scale (5"to 100') from 100'to 2700' and from 5400'-6550', compensated neutron, formatia density log from 2700'-4500' and 5400'-6550', GR from 0-2700'.
- (c) No coring is anticipated
- (d) Completion Program 1000 gal. 15% Hydrochloric acid, frac with 35000'gal. treated water; 30,000# 20-40 sand, 40,000# 10-20 sand.

9. Any Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures have been noted or reported in wells drilled in the area nor at the depths anticipated in this well. Bottom hole pressure expected is 2000 psi.

No hydrogen sulfide or other hazardous fluids or gases have been found, reported or known to exist at these depths in the area.

10. Anticipated Starting Date and Duration of the Operations

The anticipated starting date is set for July 1, 1979, or as soon as possible after examination and approval of drilling requirements. Operations should be completed wihtin 15 days.

Blowout Preventer Diagram

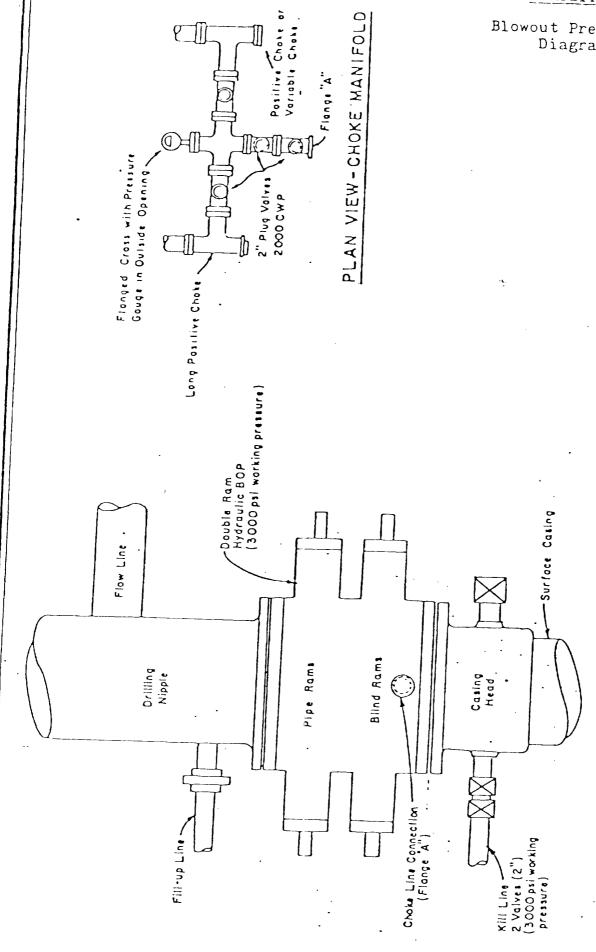


EXHIBIT "D"

MULTI-POINT REQUIREMENTS TO ACCOMPANY A.P.D.

Attached to Form 9-331C Getty Oil Company #1E Mexico-Federal K 1190'FSL & 1850'FWL Sec. 8 T28N R10W San Juan County, New Mexico

Existing Roads

- A. The proposed well site and elevation plat is shown as EXHIBIT "A".
- B. The distance from Bloomfield, New Mexico is 6.6 miles. Proceed South on Highway #44 for 1.6 miles, thence Southeast on paved highway 1.9 miles, thence on oil field road 3.1 miles to location, as shown on EXHIBIT "E".
- C. All roads to location are color-coded on EXHIBIT "E". No new access road will be recuired.
- D. N/A
- E. This is a development well. All existing roads within a three-mile radius are shown on EXHIBIT "E".
- F. The existing roads need no improvement. Maintenance will be performed as required.

2. Planned Access Roads

Existing roads will require no improvement. There will be no new access road constructed. See EXHIBIT "E".

Location of Existing Wells

For all existing wells within one mile radius of development well, see EXHIBIT "F".

- (1) There are no water wells within a one mile radius of this location.
- (2) There is one abandoned well in this one mile radius.

- (3) There are no temporarily abandoned wells.
- (4) There are no disposal wells.
- (5). There are no wells presently being drilled.
- (6) There are 21 producing wells within this one mile radius.
- (7) There are no shut-in wells.
- (8) There are no injection wells.
- (9) There are no monitoring or observation wells for other uses.

4. Location of Existing and/or Proposed Facilities

- A. Within one-mile radius of location, the following existing facilities are owned or controlled by lessee/operator:
 - (1) Tank Batteries: None
 - (2) Production Facilities: None
 - (3) Oil Gathering Lines: None
 - (4) Gas Gathering Lines: None
 - (5) Injection Lines: None
 - (6) Disposal Lines: None
- B. If production is obtained, new facilities will be as follows:
 - (1) Production facilities will be located on solid ground of cut area of drill bad, as shown on EXHIBIT "G".
 - (2) All well flow lines will be buried and will be on the well site and battery site.
 - (3) Facilities will be 300 feet long and 150 feet wide.
 - (4) All construction materials for battery site and pad will be obtained from site. No additional material from outside sources is anticipated.
 - (5) Any necessary pits will be fenced and flagged to protect livestock and wildlife.

C. Rehabilitation, whether well is productive or dry, will be made on all unused areas in accordance with BLM stipulations.

5. Location and Type of Water Source

- A. The source of water will be the San Juan River, 3 miles North of the location, as shown on EXHIBIT "E".
- B. Water will be transported by truck over existing roadways.
- C. No water well is to be drilled on this lease.

6. Construction Materials

- A. No construction materials are needed for drilling and access roads into the drilling location unless production is obtained. The surface soil materials will be sufficient or will be provided by the Dirt Contractor as needed.
- B. No construction materials will be taken off Federal land.
- C. All surface soil materials for construction of access roads are sufficient.
- D. All major access roads presently exist as shown on EXHIBIT "E".

7. Handling of Waste Materials and Disposal

- (1) Drill cuttings will be buried in the reserve pit and covered.
- (2) Drilling fluids will be handled in the reserve pit.
- (3) Any fluids produced during drilling test or while making production test will be collected in a test tank. If a test tank is not available during drilling, fluids will be handled in reserve pit. Any spills of oil, gas, salt waters or other noxious fluids will be cleaned up and removed.
- (4) Chemical facilities will be provided for human waste.
- (5) Garbage and non-flammable waste and salts and other chemicals produced during drilling or testing will be handled in trash pit. Flammable waste will be disposed of in burn pit. Drill fluids, water drilling mud and tailings will be kept in reserve pit, as shown on EXHIBIT "H". The trash and/or burn pit will be totally enclosed with small mesh wire to prevent wind scattering trash before being burned or buried. Reserve pit will be fenced on three sides and the fourth side fenced upon removal of the rig.

(6) After the rig moves out, all materials will be cleaned up and no adverse materials will be left on location. Any dangerous open pit will be fenced during drilling and kept closed until such time as the pit is leveled.

8. Ancillary Facilities

No air strip, camp or other facilities will be built during drilling of this well.

9. Well Site Layout

- (1) EXHIBIT "G" is the Drill Pad Layout as staked, with elevations by Kerr Land Surveying of Farmington, New Mexico. Cuts and fills have been drafted to visualize the planned cut across the locations spot and to the deepest part of the pad. Topsoil will be stockpiled per BLM specifications determined at time of pre-drill inspection.
- (2) EXHIBIT "H" is a plan diagram of the proposed rig and equipment, reserve pit, burn and trash pit, pipe racks and mud'tanks. No permanent living facilities are planned. There will be a trailer on site.
- (3) EXHIBIT "G" is a diagram showing the proposed production facilities layout.
- (4) The reserve pits will rot be lined. Stee mud tanks may be used during drilling operations.

10. Plans for Restoration

- (1) Backfilling, leveling and contouring are planned as soon as all pits have dried. Waste disposal and spoils materials will be buried or hauled away immediately after drilling is completed. If production is obtained, the unused area will be restored as soon as possible.
- (2) The soil banked material will be spread over the area. Revegetation will be accomplished by planting mixed grasses as per formula provided by the BLM. Revegetation is recommended for road area, as well as around drill pad.
- (3) Three sides of the reserve pit will be fenced during drilling operations. Prior to rig release, the reserve pit will be

fenced on the fourth side to prevent livestock or wildlife from becoming entrappec; and the fencing will be maintained until leveling and cleanup is accomplished.

- (4) If any oil is on the pits and is not immediately removed after operations cease, the pit containing the oil or other adverse substances will be flagged overhead or covered with wire mesh.
- (5) The rehabilitation operations will begin immediately after the drilling rig is removed. Removal of oil or other adverse substances will begin immediately or area will be flagged and fenced. Other cleanup will be done as needed. Planting and revegetation is considered best in Spring, 1980 unless requested otherwise.

11. Other Information

- (1) The soil is a sandy-clay loam. No distinguishing geological features are present. The area is covered with cactus, sagebrush, native grass, Yucca and a few Cedar trees. There are livestock and rabbits in the area. The topography is gently sloping Northwesterly.
- (2) The primary surface use is for grazing. The surface is owned by the U.S. Government.
- (3) The closest live water is the San Juan River, 3 miles North of the location, as shown on EXHIBIT "E".

The closest occupied dwellings are at the gas plant 2 miles West of the location, as shown on EXHIBIT "E".

There are no known archaeological, historical, or cultural heritages that will be disturbed by this drilling.

- (4) Restrictions: Drilling will be allowed only to the Dakota Formation.
- (5) Drilling is planned for on or about July 1, 1979. Operations should be completed within 15 days.

12. Lessee's or Operator's Representative

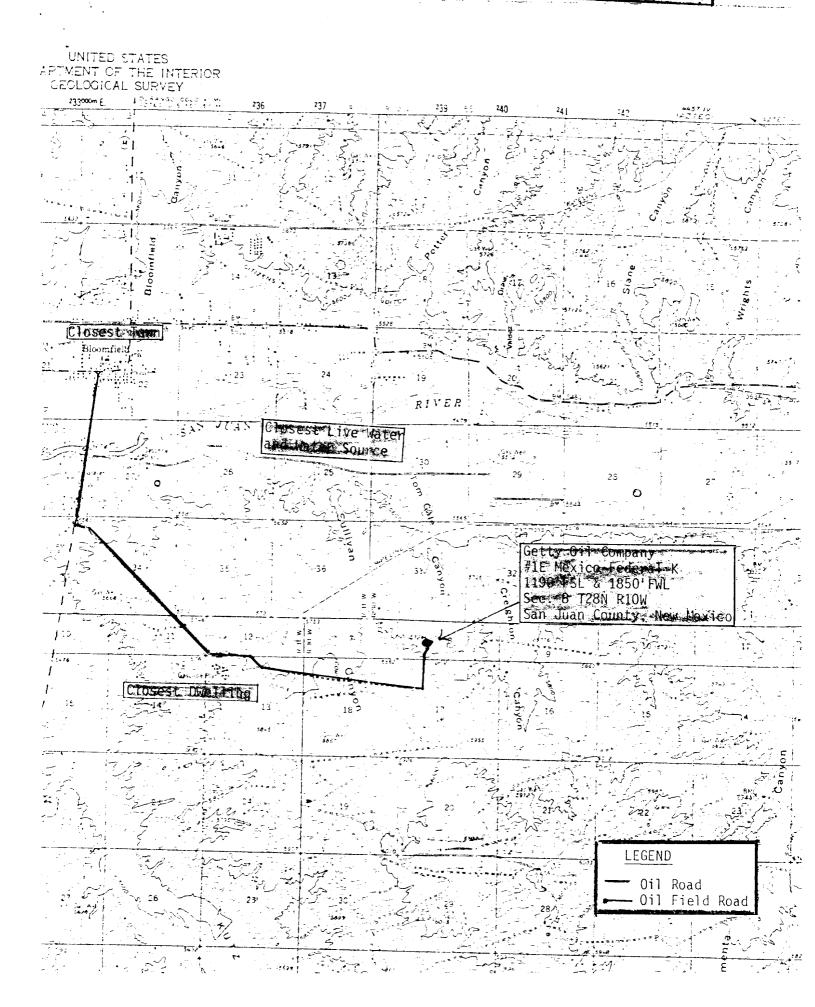
George Lapaseotes Agent Consultant for Getty Oil Company 600' South Cherry Street Suite 1201 Denver, Colorado 80222 (303) 321-2217 Dick Hergenreter Getty Oil Company Drawer 510 Farmington, New Mexico 87401 (505) 325-9682

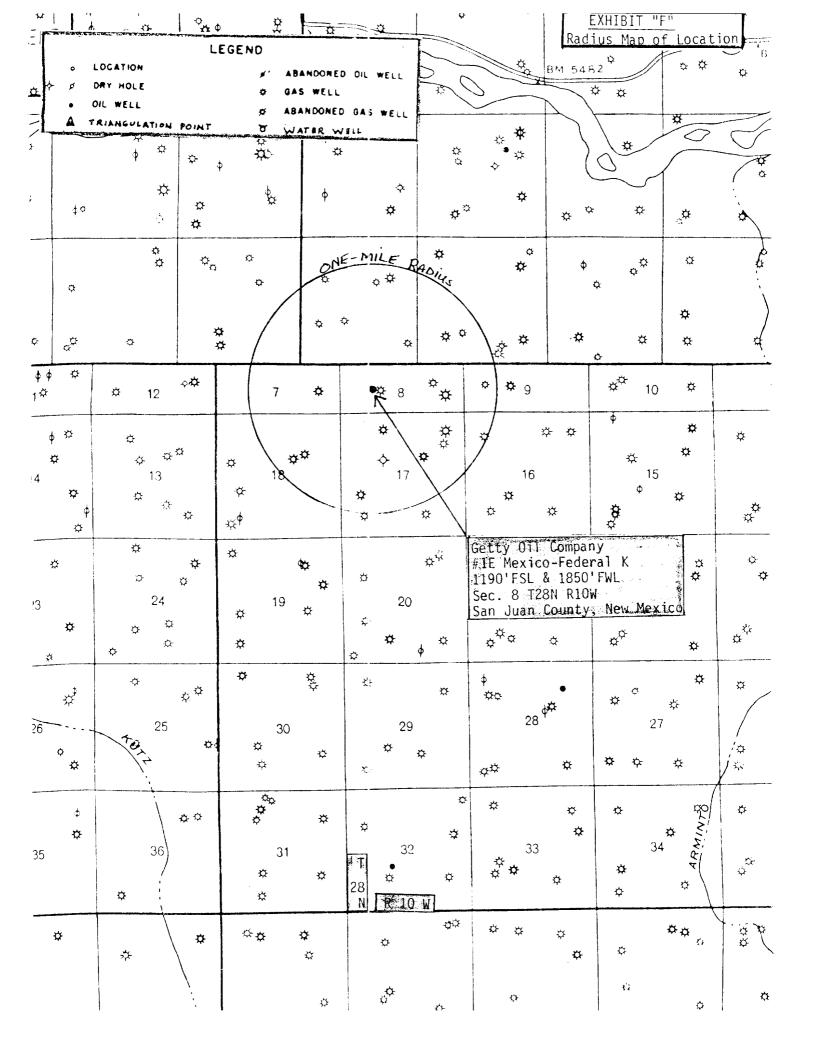
13. Certification

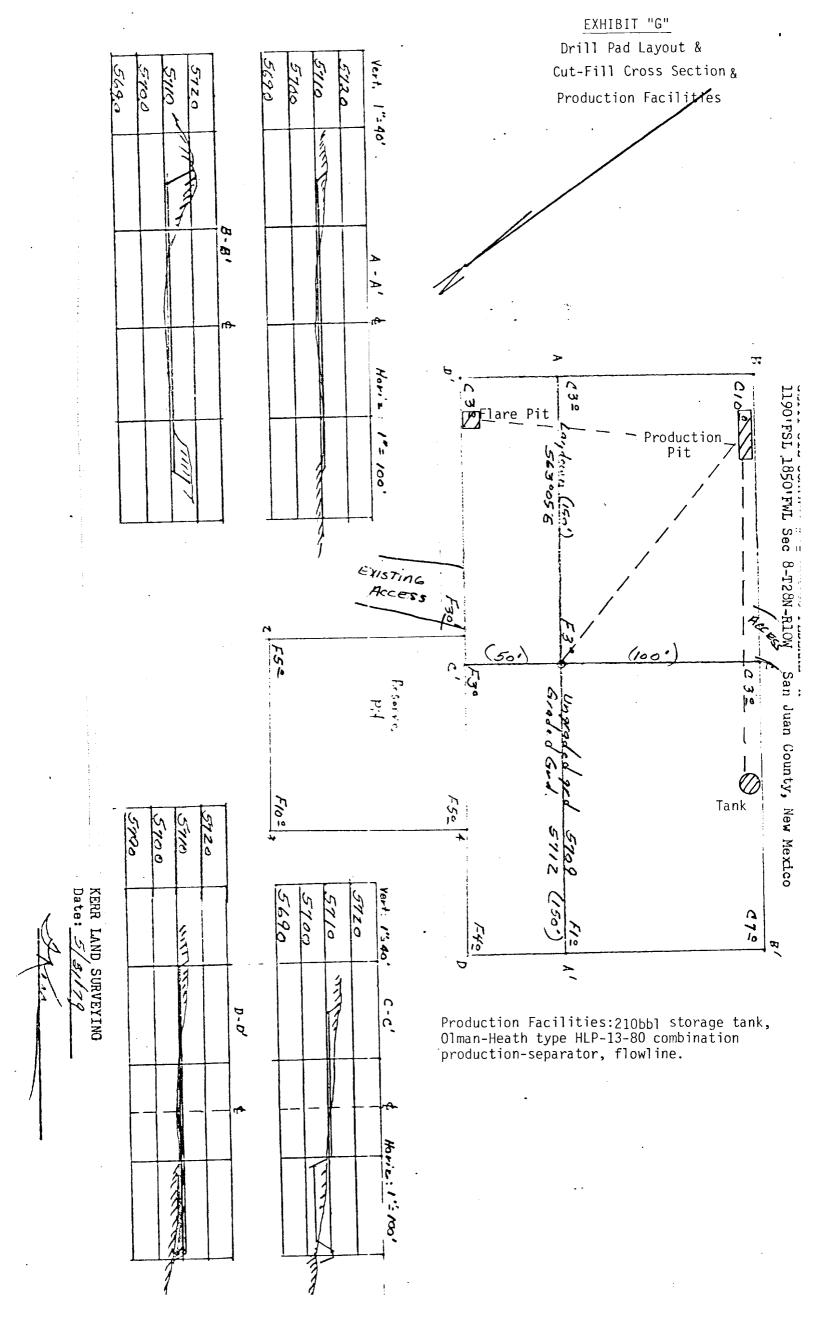
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Getty Oil Company and its contractors and subcontractors in coformity with this plan and the terms and conditions under which it is approved.

6.25.79

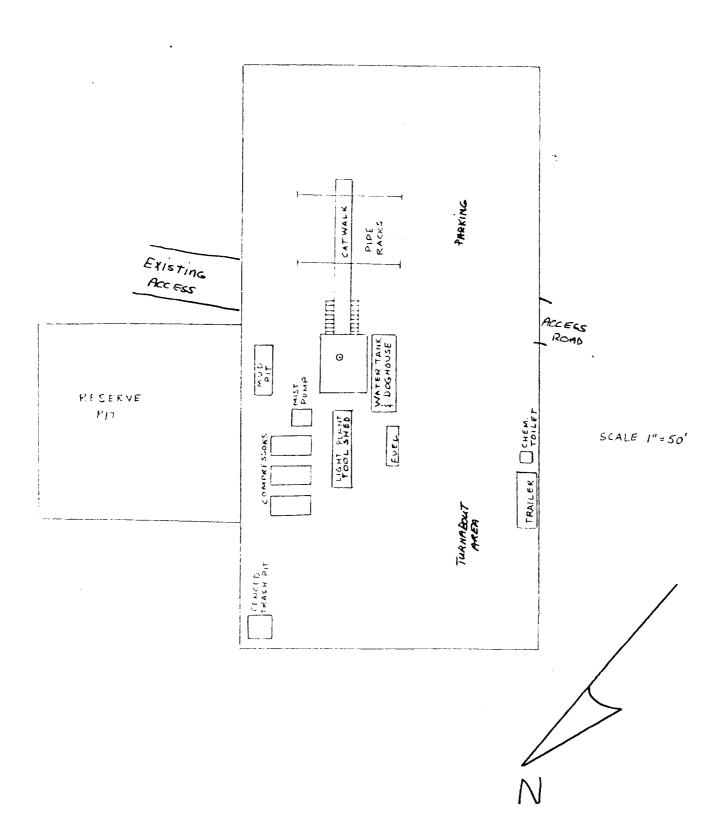
George Aapaseótes Agent Consultant for Getty Oil Company

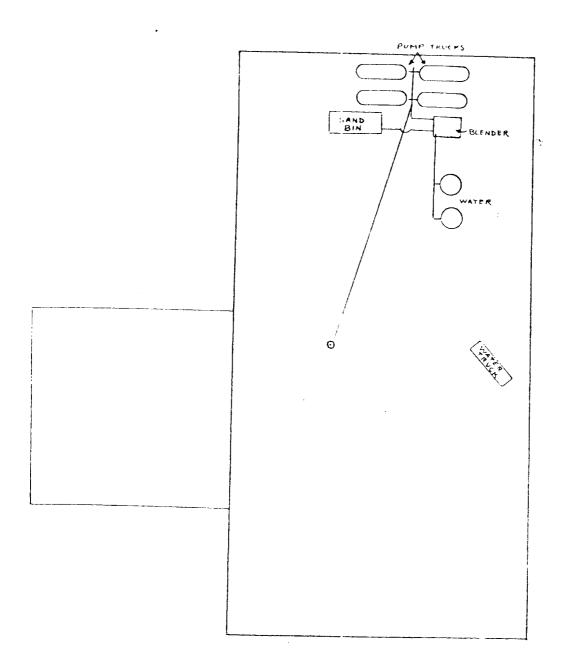






Getty Oil Company #1E Mexico-Federal K 1190'FSL & 1850'FWL Sec. 8 T28N R10W San Juan County, New Mexico





CONDITIONS OF APPROVAL, IF ANY !

Form approved, Budget Bureau No. 42-R1425,

UNITED STATES DEPARTMENT OF THE INTERIOR

5. LEASE DESIGNATION AND SERIAL NO. GEOLOGICAL SURVEY SF-047039 B APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK 6. IF INDIAN, ALLOTTEE OR TRIBE NAME 1s. TIPE OF WORK DRILL XX DEEPEN [] 7. UNIT AGREEMENT NAME PLUG BACK b. TYPE OF WELL OIL WELL XX MULTIPLE TONE OTRES S. FARM OR LEADS NAME 2. NAME OF OPERATOR Mexico-Federal K Getty Oil Company 9. WELL NO. 3. ADDRESS OF OPERATOR #1E Drawer 510, Farmington, New Mexico 87401
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*) 10. FIELD AND POOL, OR WILDCAT Basin Dakota 1190'FSL & 2120'FWL 11. BEC., T., R., M., OR BLE, AND BURVEY OR AREA At proposed prod. sone same Sec. 8 T28N R10W 14 DISTANCE IN MILES AND DIRECTION FROM MEAREST TOWN OR POST OFFICE. 12. COUNTY OR PARISH | 13. STATE 6.6 miles Southeast of Bloomfield, New Mexico San Juan New Mexico 15. DISTANCE FROM PROPOSED* LOCATION TO NEASEST PROPERTY OR LEASE LINE, I 17. NO. OF ACRES ASSIGNED TO THIS WELL 320 (319.67) 16. NO. OF ACRES IN LEASE 1190' 320 (319.67)(Also to nearest drig, unit line, if any) 18. DISTANCE FROM PROPOSED LOCATIONS
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, PT. 19. PROPOSED DEPTH 20. ROTARY OR CABLE TOOLS 2640'+ 6550 Rotary 21. ELEVATIONS (Show whether DF, RT, GR, etc.) 22. APPROX. DATE WORE WILL START* 5713'GR as soon as approved PROPOSED CASING AND CEMENTING PROGRAM RIZE OF HOLE BIZE OF CASING WEIGHT PER FOOT SETTING DEPTH QUANTITY OF CEMENT 12-1/4" 8-5/8" new 24# K-55 300 250 cu.ft. Class "B" 7-7/8" 5-1/2" new 14#&15.5# K-55 6550' 180 cu.ft. 65-35 pozmix & 470 cu.ft. 50-50 pozmix; 355 cu ft. 65-35 pozmix; 980 cu.ft. Drill 12-1/4" hole and set 8-5/8" casing to 300' with 50-50 pozmix. good returns. Log B.O.P. checks daily and drill 7-7/8" hole to 6550'. Run tests, if warranted, and run 5-1/2" casing if productive. Run logs as needed, and perforate and stimulate as needed. EXHIBITS ATTACHED: TAT Location and Elevation Plat 🙀 Layout "B" The Ten-Point Compliance Program 🔏 Fracing "(" The Blowout Preventer Diagram Layout $^{11}D^{11}$ The Multi-Point Requirements for A.P.D. $H \succeq H$ Access Roads into Location "F" Radius Map of Field "G" Drill Pad Layout, Cut-Fill Cross Section, Production Facilities IN ABOVE SPACE DESCRIBE PROPORED PROGRAM: If proposal is to deepen or plug back, give data on present productive some and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout 24 BIGNED 7/26/79 (This space for Federal or State office use) APPROVED BY