

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED BY
SUBMIT IN THE DATE
(Other instructions on reverse side)
OCT 07 1984
O. C. D.

Form approved.
Budget Bureau No. 42-R1425.

30-015-25042

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☒

2. NAME OF OPERATOR
Getty Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 730, Hobbs, New Mexico 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
Unit Ltr. 1270 FSL & 1310 FWL
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
5 miles southwest of Maljamar, N.M.

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)
3705

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
891

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3814.3

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH
12 1/4	8 5/8	28#	700
7 7/8	5 1/2	15.5	3900

QUANTITY OF CEMENT
450
750

- The subject well will be drilled from surface to 700' with fresh water and gel additives to condition the hole for running casing. From 700' to 3900' (TD) a brine of sufficient weight and gel additives will be used to control formation pressures and condition the hole for electric logs and running casing.
- The pump and plug method will be used to cement all strings of casing. The casing will have the top of the cement tied into the surface casing.

(This well will be downhole commingled in the Fren Seven Rivers and Grayburg Jackson Queen San Andres pools.)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone 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 preventer program, if any.

24. SIGNED (Signed) D. R. CROCKETT
Dale R. Crockett
TITLE Area Superintendent
DATE 8/17/84

PERMIT NO. APPROVAL DATE
APPROVED BY AREA MANAGER
TITLE CARLSBAD RESOURCE AREA
DATE 10-3-84

Subject to
Like Approval
by State

NSL-1881

*See Instructions On Reverse Side

Appv. 9-3-84

DHC R-7680
Appv. 9-28-84

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

0+6-NMOCD-Artesia
1-File
1-Engr PWS
1-Foreman EF
1-H.O. Woods-Midland

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION

RECEIVED BY

AUG 23 1984

Form C-102
Supersedes C-12A
Effective 1-1-65

All distances must be from the outer boundaries of the Section

O. C. D.

ARTESIA, OFFICE Well No.

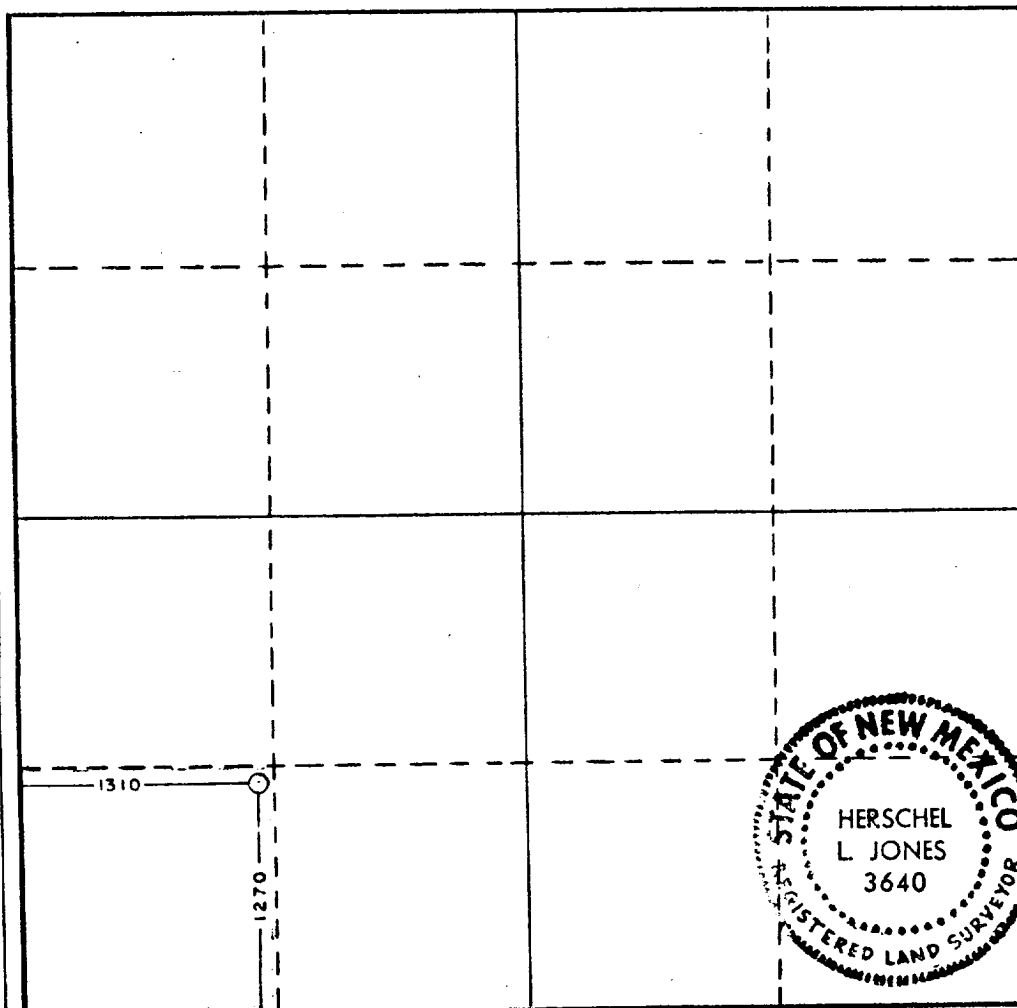
Operator GETTY OIL COMPANY		Lease SKELLY UNIT		Well No. 160	
Unit Letter "M"	Section 22	Township 17 South	Range 31 East	County Eddy	
Actual Footage Location of Well: 1270 feet from the South line and 1310 feet from the West line					
Ground Level Elev. 3814.3	Producing Formation Grayburg, 7-Rivers		Pool Grayburg-Jackson, Fren 7-Rivers		Dedicated Acreage: 40 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.



CERTIFICATION

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

Dale R. Crockett

Name

Dale R. Crockett

Position

Area Superintendent

Company

Getty Oil Company

Date

8/17/84

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

July 27, 1984

Registered Professional Engineer
and/or Land Surveyor

Certificate No.

3640



Getty Oil Company

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

(505) 397-3571

Central Exploration and Production Division

August 17, 1984

United States Department of the Interior
Bureau of Land Management
P.O. Box 1778
Carlsbad, N.M. 88220

RE: APPLICATION TO DRILL AND DOWNHOLE
COMMINGLE Skelly Unit Well No. 160
Sec. 22, T17S, R31E, Eddy County,
New Mexico

Genelemen:

Please find attached Getty Oil Company's "Application to Drill" Skelly Unit Well No. 160 which is located 1270 FSL and 1310 FWL Section 22, T17S, R31E, Eddy County, New Mexico. The proposed well will be drilled to a projected TD of 3900'.

Along with Getty's "Application to Drill", we would request that you grant permission to downhole commingle the Grayburg Jackson Queen, San Andres and the Fren 7-Rivers zone in this well. This will result in the most efficient production of hydrocarbons and will not damage the reservoirs involved. Pumping equipment designs will be adequate to keep both zones pumped off and no loss in revenue will result from commingling downhole. (Fluids are already commingled at the surface). All working interest and royalty interests are common for both zones.

If any additional information is required, please notify the undersigned immediately.

Very truly yours,

GETTY OIL COMPANY

Dale R. Crockett
Area Superintendent

PWS/cb

Enc.

Original + 5 - BLM
Engineer - 1
Foreman - 1
File - 1

**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

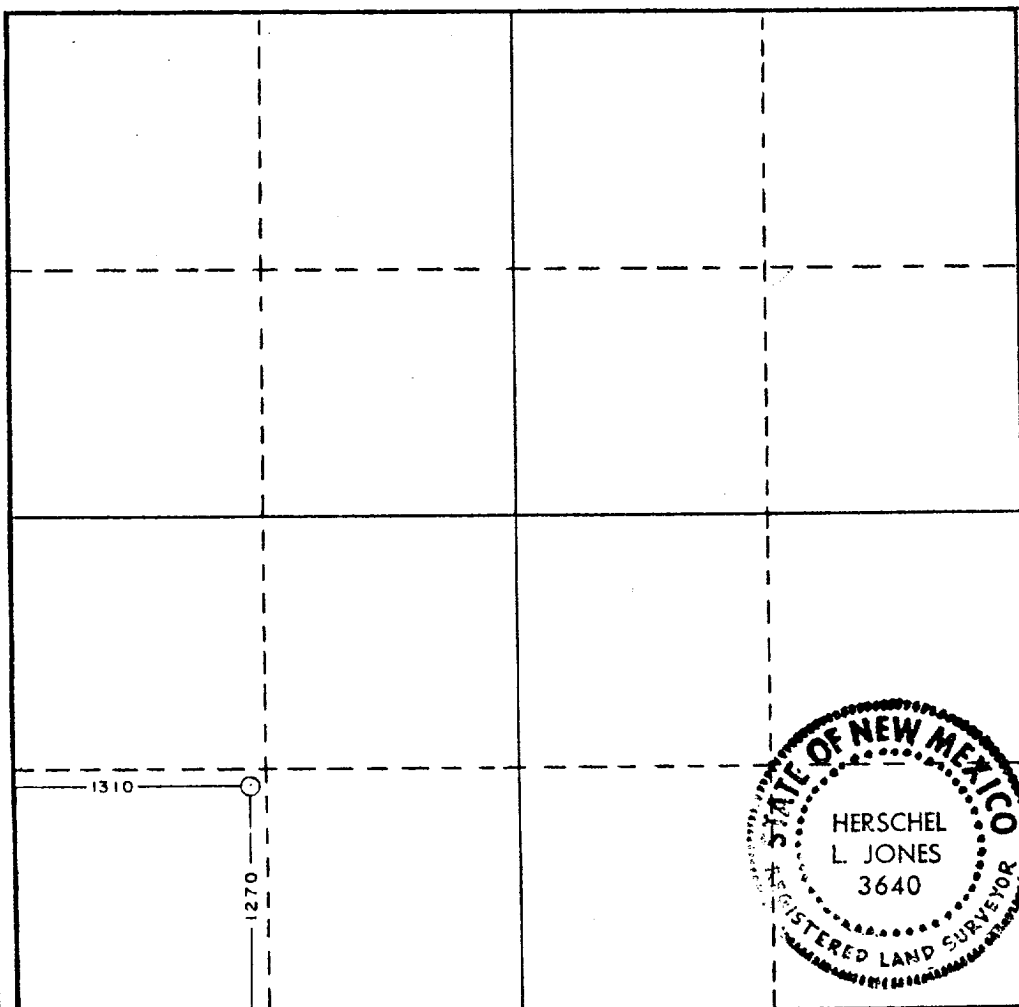
Operator GETTY OIL COMPANY			Lease SKELLY UNIT		Well No. 160
Unit Letter "M"	Section 22	Township 17 South	Range 31 East	County Eddy	
Actual Footage Location of Well:					
1270 feet from the South line and		1310 feet from the West line			
Ground Level Elev. 3814.3	Producing Formation Grayburg, 7-Rivers	Pool Grayburg-Jackson, Fren 7-Rivers	Dedicated Acreage: 40 Acres		

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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).
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☐ 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.



CERTIFICATION

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

(Signed) D. R. CROCKETT

Name
Dale R. Crockett

Position
Area Superintendent

Company
Getty Oil Company

Date
8/17/84

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.

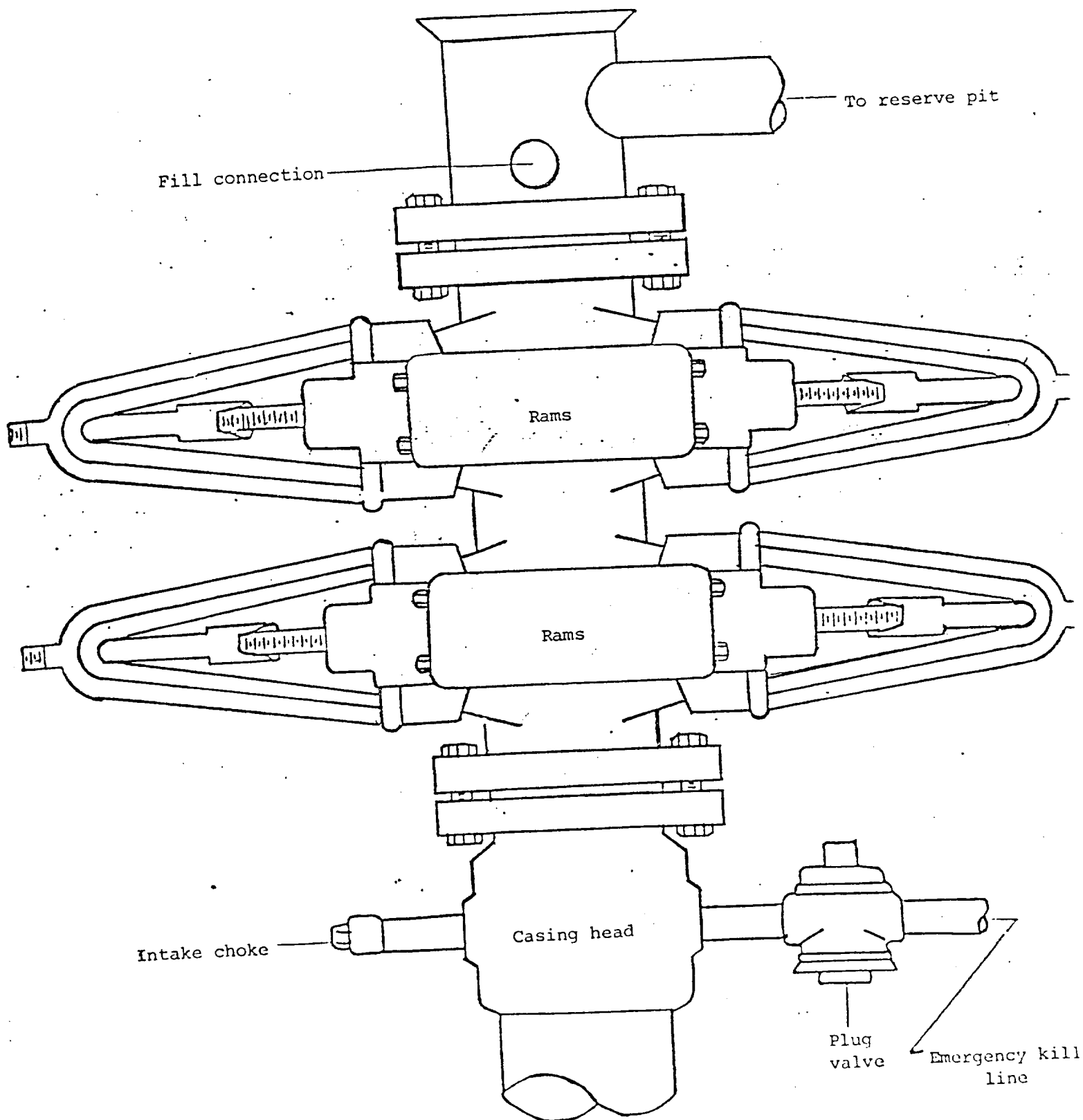
Date Surveyed
July 27, 1984

Registered Professional Engineer
and/or Land Surveyor

[Signature]
Certificate No. **3640**

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

FIGURE 1



Getty Oil Company
5000 psi working pressure
Drilling control hookup.

ADDITIONAL INFORMATION FOR
 "APPLICATION FOR PERMIT TO DRILL"
 GETTY OIL COMPANY
 SKELLY UNIT WELL NO. 160

1. The geologic name of the surface formation is assignable to the haplargids-torripsammments association.
2. The estimated tops of important geologic markers are as follows:

<u>FORMATION</u>	<u>DEPTH FROM SURFACE</u>	<u>DEPTH SUBSEA</u>
Salt	613	+3201.3
Yates	1741	+2073.3
7-Rivers	2093	+1721.3
Grayburg-Jackson	3112	+ 702.3

3. The estimated depths at which anticipated water and oil could be encountered are:

<u>DEPTH</u>	
0-613	Surface and red beds
613-1741	Salt
1741-2093	Yates-possible gas
2093-3112	7-Rivers-possible oil
3112-3900	Grayburg-Jackson-possible oil

4. The proposed casing program is as follows:

<u>SIZE</u>	<u>GRADE</u>	<u>THREAD</u>	<u>WT.</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>LENGTH</u>
8 5/8	H-40	8RST&C	28	Surface	700'	700'
5 1/2	K-55	8RST&C	15.5	Surface	3900'	3900'

5. The minimum specifications for pressure control equipment to be used are on Figure 1. The BOP stack will be tested to 5000 psi.
6. The drilling fluid from surface to 700 will be fresh water of sufficient gel to condition the hole for running casing. From 700' to 2100', a native mud system will be used with brine and LCM added for stability and seepage. From 2100' to 3900' a salt gel system will be used to condition the hole for logging and running casing.
7. The auxiliary equipment to be used is as follows:
 - a. Kelly cocks.
 - b. Monitoring equipment on the mud system.
 - c. Sub on the floor with a full opening valve to be stabbed into drill pipe when the Kelly is not in the string.
8. There are no anticipated drill stem tests or cores to be cut.

EXHIBIT "A"
GETTY OIL COMPANY
SKELLY UNIT WELL NO. 160
1270 FSL & 1310 FWL
Sec. 22, T17S, R31E

