UNITED STATES SUBMIT IN TRIPLICATE* Other Instructions on reverse side)

Form approved. Budget Bureau No. 42-R1424.

(111)	DEPARTMENT OF THE GEOLOGICAL SI	E INTERIOR (verse side) URVEY APE 30-039-2	1
SUN (1)0 not use this	6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache		
1. OIL GAS WELL WELL	X OTHER		7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR			8. FARM OR LEASE NAME
Amerada Hes	s Corporation, Att: D	rilling Services	J. Apache "B"
3. ADDRESS OF OPERATO) B		9. WELL NO.
P.O. Box 20	Made Tulsa, Okhahoma	15	
4. LOCATION OF WELL (See also space 17 be At surface	Report location clearly and in accorda low.)	19 FIELD AND FOOL, OR WILDCAT Ballan	
Amended to	- 1630' FSL and 1465'	11. SEC., T., B., M., OR BLK. AND Cliff SURVEY OR AREA	
			Sec. 30, T24N, R5W
14. PERMIT NO.	15. ELEVATIONS (Sh	now whether DF, RT, GR, etc.)	12. COUNTY OR PARISH 13. STATE
	Amended	to 6561' Gr. Elevation	Rio Arriba N. Mex.
16.	Check Appropriate Box To	Indicate Nature of Notice, Report	, or Other Data
	NOTICE OF INTENTION TO:	UBSEQUENT REPORT OF:	
TEST WATER SHUT-	OFF PULL OR ALTER CASIN	WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	NG ABANDONMENT*
REPAIR WELL	CHANGE PLANS	(Other)	
(Other) Amend	location as above	X (Note: Report Completion or F	results of multiple completion on Well tecompletion Report and Log form.)

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.) *

Footage and ground elevation amended as above.



8. I hereby certify that the foregoing is true and correct SIGNED	Supervisor, Drlg. Adm. Serv. May 20, 1976
(This space for Federal or State office use)	
APPROVED BYCONDITIONS OF APPROVAL. IF ANY:	TITLE DATE

SUBMIT IN TRIPLICATE*

(Other instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

5. LEASE DESIGNATION AND SERIAL NO.

UNITED STATES DEPARTMENT OF THE INTERIOR

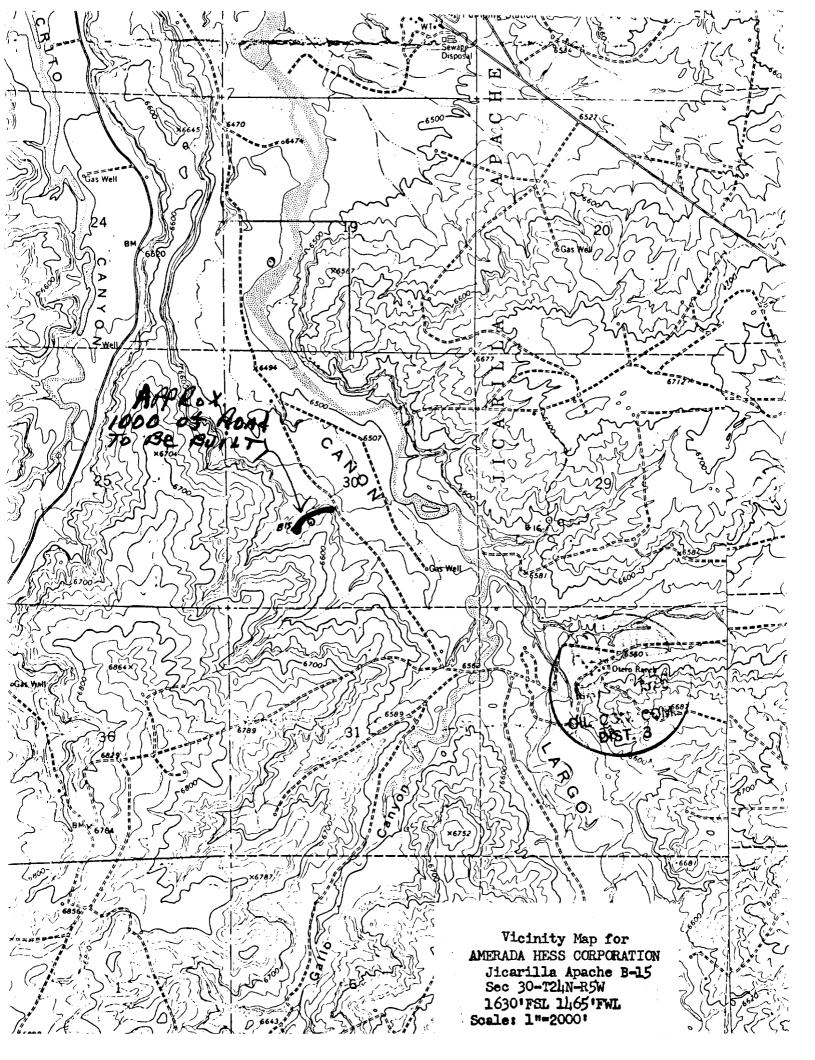
	GEOLO	GICAL SURVEY			Lse. Contract //11		
APPLICATION	N FOR PERMIT	TO DRILL, DEEF	PEN, OR PLUG	BACK	6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache		
1a. TYPE OF WORK	LL 🖾	DEEPEN [PLUG BA	(K	7. UNIT AGREEMENT NAME		
b. TYPE OF WELL		DECFEIN L	FLUG BA				
WELL G	AS ELL OTHER		SINGLE MULTIN	Y X	8. FARM OR LEASE NAME		
2. NAME OF OPERATOR					J. Apache "B"		
	ss Corporation,	Att: Drilling	g Services		9. WELL NO.		
3. ADDRESS OF OPERATOR	/	1			15		
1 .O.DO. ZUI	40, Tulsa, Okla	horia 74102	State requirements	· · · · · · · · · · · · · · · · · · ·	Dakota & Pictured		
	eport location clearly and	i in accordance with any	State ledulements &	وأستر لا أعد	111 SEC., T., R., M., OR BLK.		
	and 1840 ' FWL		MAY	107 <i>c</i>	AND SURVEY OR AREA		
At proposed prod. zon Sa ne	e		10/21 / -	- 1976	Sec. 30, T24N, R5W		
	AND DIRECTION FROM NEA		cr. OIL CO:	V. COM.	1. COUNTY OR PARISH 13: STATE		
est. 20 mile	es W of Lindrit	h, New Mexico	OIS	r. 3	Rio Arriba N. Mexico		
 DISTANCE FROM PROPO LOCATION TO NEARES' 	r	ì	NO. OF ACRES IN DAME	17. TO T	of Acres assigned / 59, 25 o Dakota & 160 to Pictured C		
(Also to nearest dri	g. unit line, if any)		2565.64	1320 t	o Dakota & 160 to Pictured C		
 DISTANCE FROM PROF TO NEAREST WELL, D 	RILLING, COMPLETED,	4,000	PROPOSED DEPTH	20. кота	IRY OR CABLE TOOLS		
OR APPLIED FOR, ON TH		•			122. APPROX. DATE WORK WILL START*		
	ether DF, RT, GR, etc.) (Pr		/2 Sec 30)				
23.		· ·		436	July 1, 1976		
		- ,	ND CEMENTING PROGR	AM	:		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMENT		
12-1/4" 7-7/8"	9-5/8"OD 5-1/2"OD	32.3#	350! +/-	_	sx. and circ.		
1-1/6")-1/2·00	15.5 _t #	6800! +/-		sx. & est. top @ surface.		
cement (circ. o proposed TD of indicate produ	cement), WOC ap 6800' or a suf ctive, mun, set	prox. 18 hrs., ficient depth and cement 52	drill out under to test the Dake	r sur. ota gas asing a	nt 9-5/8" csg. with 250 sx. csg. with a 7-7/8" bit to a zone, log well and if well t 6800' with 750 sx. cement		
No cores or dr	ill stem test a	re anticipated	•				
Mud program is	to use low vis	c. and low wate	er loss mud out.	fron u	under surface csg. to TD with		
visc. 60/70 fo	r logging	2000		110/111			
Blowout equipm	ent program, 12	point surface	usage plan, lo	cation	maps, plats and drilling rig		
Layout plan to	follow under s	seperate cover.					
Han N	not did	icaled.					
	drill or deepen direction				ductive zone and proposed new productive ed and true vertical depths. Give blowout		
24.	1		Supervisor, Tecl	h/Drlg.	Adm. Serv.		
SIGNED	Trypor	/			May 4, 1976		
(This space for Fede	eral or State office use)						
DEGM IN NO			ADDROUAL PARE				
PERMIT NO.			APPROVAL DATE				
APPROVED BY					DATE		
CONDITIONS OF APPRO							
C4	Cal						
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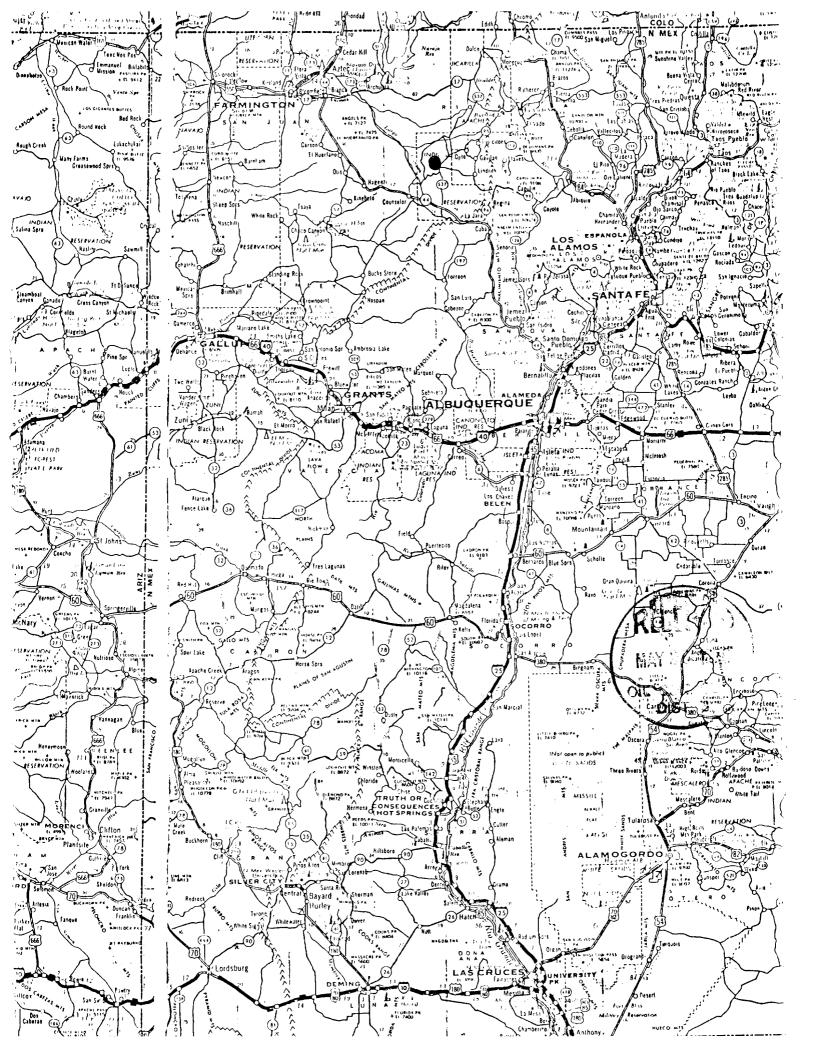
All distances must be from the outer boundaries of the Section

K 30 24N 5W Rio Arriba Actual Foctage Location of Well: 1630 feet from the South line and 1465 feet from the West line	Operator			Lease		***************************************	Well No.
South				Jicarilla Apache B-15			B-15
1.00 1.00	Unit Letter					*	
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 2th 1th 2th 2th			24N	1 5	W	Rio Arrib	oa
Proc. 1881. Dakota-Pictured Cliffs Busin/Dakota-Pictured Cliffs Busin/Dakota Busin Dakota Busin B			n t.h 12	11.65		Mest	
1. Outline the acreage dedicated to the subject well by colored pencil or hackure 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? ———————————————————————————————————	Ground Level Elev.			Pool		Ballard	Dedicated Acreage:
1. Outline the acreage dedicated to the subject well by colored pencil or hackure 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 \[\] Miner than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-domain in the cessary.) 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, force-dopoling, 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 any lowed and belief. C. Namo Namo L. Criffin Foottom Nay 18, 1976 I hereby certify that the well iscarion shown on this plut was plutted fine the wall is into and cornect to the best of my knowledge and description and content to the best of my knowledge and certer to the best of my	6561	Basin Dal	cota-Pictured Cli	ffs Ba	sin/Dakota	-Pictured Cli	iffs see below
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	1. Outline th	e acreage dedica	ted to the subject we	ell by col	lored pencil o	r hachure marks o	on the plat below.
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							
Yes			dedicated to the well	l, outline	each and iden	ntify the ownersh	ip thereof (both as to working
Yes No If answer is "yes," type of consolidation NA			•		to the well,	have the interests	s of all owners been consoli-
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, untitization, 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. MAY 20 1976 But ONN Sec 30 I hereby certify that the well focation shown on this plut was plotted from field near a fact of across to 2/2 2 5 The produced Cliffs 1 hereby certify that the well focation shown on this plut was plotted from field near a fact of across to the best of my knowledge and belief. Date Surveys and that the same is true and cornect to the best of my knowledge and belief. May 12, 1976 Registered Priceps sonot facilities. Date Surveyed May 12, 1976 Registered Priceps sonot facilities. Certification. Certification. Certification. Date Surveyed May 12, 1976 Registered Priceps sonot facilities. Certificate No. Certificate No. Certification. Certification. Certification. Certification. Certification. Supervisor, and that the same is true and cornect to the best of my knowledge and belief. May 12, 1976 Certificate No. Certificate No. Certificate No. Certification.	dated by c	ommunitization, u	nitization, force-pooli	ng.etc;			
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n Central	\$15 1\$6670'	Humble		flarifie G1	700% of Full)	MM-1445 100 % of Fully
36 ∯ ⁶	31 Humble ☆5-H 13 g	32 Humble \$3	33 Humble	Abraham 34 Humble	35 Amer. 35 Amer. (1002 of Full)	<u>†</u>
Mc Millon	Humb!	Humble		×1 ×4	Co Hun-1645 (1002 pi filli)	MM-14457100





AMERADA HESS CORPORATION

J. Apache "B" #15

Sec. 30, T24N, R5W

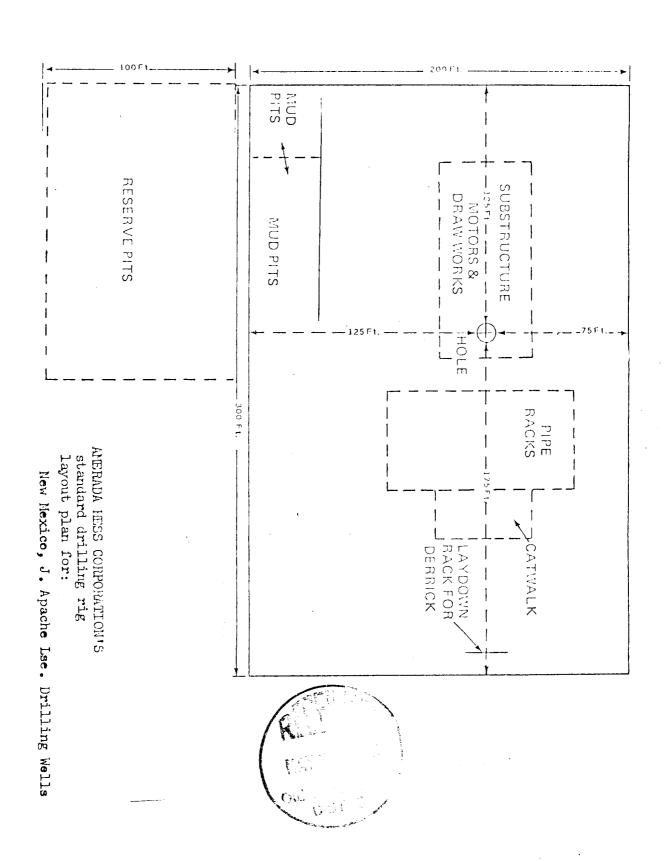
Rio Arriba County, New Mexico

12 Point Surface Usage Plan

- 1. Location of well is approximately 20 West/Northwest of Lindrith, New Mexico and estimated 12 miles to State Hiway #44. Attached maps will show existing lease roads in the area.
- 2. Attached are map and profile USGS topographic/county road map showing proposed well location and access lease road for the well and also a proposed 1000' road to be built off of lease road to well site.
- Plat showing all existing locations within 1 mile radius of proposed well is attached.
- 4. No lateral roads to other well locations are planned at this time.
- 5. No tank battery or flow lines are on location at this time but will be installed near well site if well is completed for production.
- 6. Drilling water purposes will come from Largo Canyon water pit est. 6 miles NE of location and will be hauled by water trucks.
- 7. A reserve pit of adequate size will be used to handle waste disposal and a trash pit for garbage and trash disposal.

8.&

- 9. No camps or air strip will be constructed.
- 10. Plat showing rig layout plan is attached.
- 11. Restoration of the surface will include filling and levelling of all pits as soon as possible, grading and levelling of the location in same manner. The surface will be cleaned and reseeded according to instructions from the proper agency for adequacy.
- 12. Well site location is level and on flat surface with natural gullies approximately 300' from location area of well. No ditches or drainage canal will be cut for location drainage.



AMERADA HESS CORPORATION

STANDARD PROCEDURES

FOR

BLOW OUT PREVENTION

AND CONTROL

EQUIPMENT

The following blow out prevention, monitoring and control equipment is to be installed on all AHC operated drilling wells.*

- 1. Minimum of 2 ram type B.O.P.'s with pipe rams in lower preventor and blind rams in the upper preventor with a flow cross flanged between.

 A third B.O.P. should be required when operating with a tapered drill string. The B.O.P.'s should have at lease the same pressure rating as the well head on which they are installed. The preventors are to be operated hydraulically by an adequate opening and closing system. Manual hand wheels with extensions are to be attached to the B.O.P.'s.
- 2. l-bag type B.O.P., hydraulically operated as above, with an element in good condition, and to be of at least the same pressure rating as the ram type B.O.P. -- up to 10,000 PSI.
- 3. B.O.P. manifold with hydraulic and manual inside valves and with two choke lines and one open line with proper block valves. All piping and valves to be of at least the same pressure rating as the B.O.P. stack.
- 4. Pit level monitoring device with at least one read out device at the driller's station.
- 5. Flow rate monitoring device with pump stroke counters connected to both pumps and with automatic trip fill up device with total read out device at the driller's station.

In addition to the equipment listed above, the following equipment is to be installed on any AHC operated drilling well that expects to drill an abnormally pressured zone, or is considered a wildcat well:

- 6. Hydraulically operated adjustable choke of at least the same pressure rating as the manifold to which it is connected.
- 7. Adequate mud gas atmospheric separator and mechanical degasser.
- 8. Automatic mud weighing device with chart read out recording at least the return mud weight.

(EQUIPMENT-cont'd.)

- 9. Chart read out of the flow rate, and pit volume totalizer devices listed above.
- 10. At least a portable mud gas detector and shale density kit, or when conditions or expectations warrant -- a complete mud logging unit is to be installed.
- 11. Adequate mixing facilities and storage for bulk barite materilas.
 - * Items 1through 5 may be subject to some variations, as unusual conditions arise.



PRECAUTIONS

- 1. Properly rated and perfectly operating blow out preventors and control equipment are installed on the well.
- 2. At least the following devices are installed and monitored: Pit volume totalizer, flow rate recorder, and trip fill up counter. In addition, pump strokes, pump pressure, mud weight, and bit weight are analyzed for unusual values. On some of the more complex wells, an adjustable choke, degasser, mud weighing device, mud logging unit and bulk barite facilities will also be installed and monitored.
- 3. Drilling breaks are checked for flow at 3 feet and 10 feet into the break. If the break is of considerable magnitude, it is circulated out, especially if drilling in the proximity of a transition zone.
- 4. Gas cut mud is considered as a warning, and its cause and extent examined to satisfaction.
- 5. The hole is filled each 5 stands while pulling out of the hole and pump strokes and pit level decrease are measured and compared against calculated displacement values.
- 6. Formation pore pressures and fracture pressures are calculated from electric logs and used to aid in proper casing seat selection and mud weight ranges.



PREPARATIONS

- Maximum safe pressure valves are calculated and made known for surface equipment and all casing strings, along with fracture pressure at deepest casing shoe or weakest exposed formation.
- 2. Conduct regularily scheduled (every 5-7 days or as conditions warrant) pressure tests of blow out preventors and control equipment to maximum working pressure with clear water. Check flange bolts for tightness.
- 3. Work blow out preventors, hydraulic valves, and adjustable choke every trip and pump through choke manifold every other trip.
- 4. Have choke lines tied into a stack (atmospheric) separator.
- 5. Establish who has the responsibility for detecting a kick and shutting the well in. This should include checking fill up on trips and watching the hole while other operations are being conducted.
- 6. Establish who will do what during the killing operations explain to all why each job is important to the success of killing the well.
- 7. Conduct surprise drills on kick detection and shut in procedures.
- 8. For maximum safety it is important that pipe rams be placed in the bottom ram type preventor so the well can be shut in if something cuts out in the upper section of the B.O.P. stack or if it is necessary to change rams.
- 9. Use clean hydraulic oil in the accumulator unit and check level weekly.
- 10. Each person who is to operate the hydraulic adjustable choke should be completely familiar with the mechanics and operation of the choke.
- 11. In order to provide necessary data for the killing operation, pump pressures are recorded each tour for pump speeds of 20 and 30 strokes per minute.

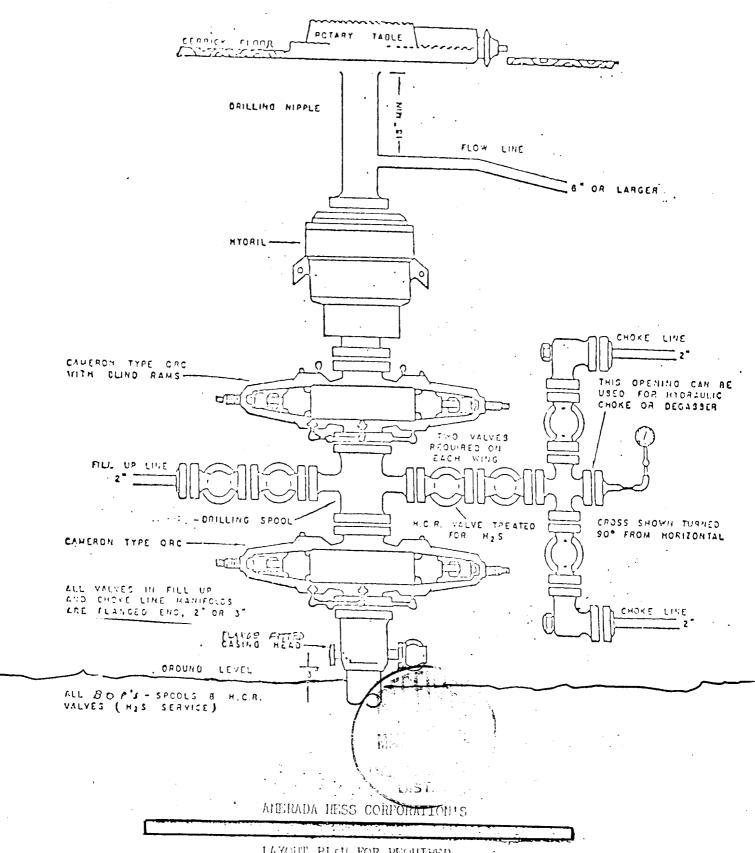
 This data is also repeated if the mud weight is increased during a tour.

DETECTION

The importance of rapid kick detection and fast shut in cannot be overstressed. Kicks can be detected by the following indications, or combinations thereof:

- Increase in surface pit volume as detected by pit volume totalizer or a man on the pits.
- 2. Increase in return mud flow rate as detected by the flow rate monitor.
- 3. Decrease in drill pipe pressure, caused by oil, gas, or salt water entering the annulus and unbalancing the hole.
- 4. Gas or salt water cut mud returns caused by a kelly cut, shale gas, drilled pore volume, trip bottoms up, or drilling a high pressure-low volume formation.
- 5. Rate of penetration increase, especially if drilling in the proximity of an abnormally pressured zone.
- 6. Hole swabbing on trips as detected by the hole taking an insufficient amount of mud for the calculated pipe displacement, or the occurence of a high concentration of gas upon circulating bottoms up after a trip.





LAYOUT PLAN FOR REQUIRED BLOWOUT PREVENTER
ASSEMBLY

CHOKE. MANIFOLD ASSEMBLY 5000 PSI W. P. 10,000

ADJUSTABLE CHOKE. 4" CD LIVE TO SUPER CHOKE GNIGE Hyperuric VALVE LINE TO GAS/MUD SEPARATOR THEN TO PIT. 4"00

. POSITIVE CHOKE