SUBMIT IN TRIPLICATE*

(Other Instructions on reverse side)

Form approved. Budget Bureau No. 42-R1425.

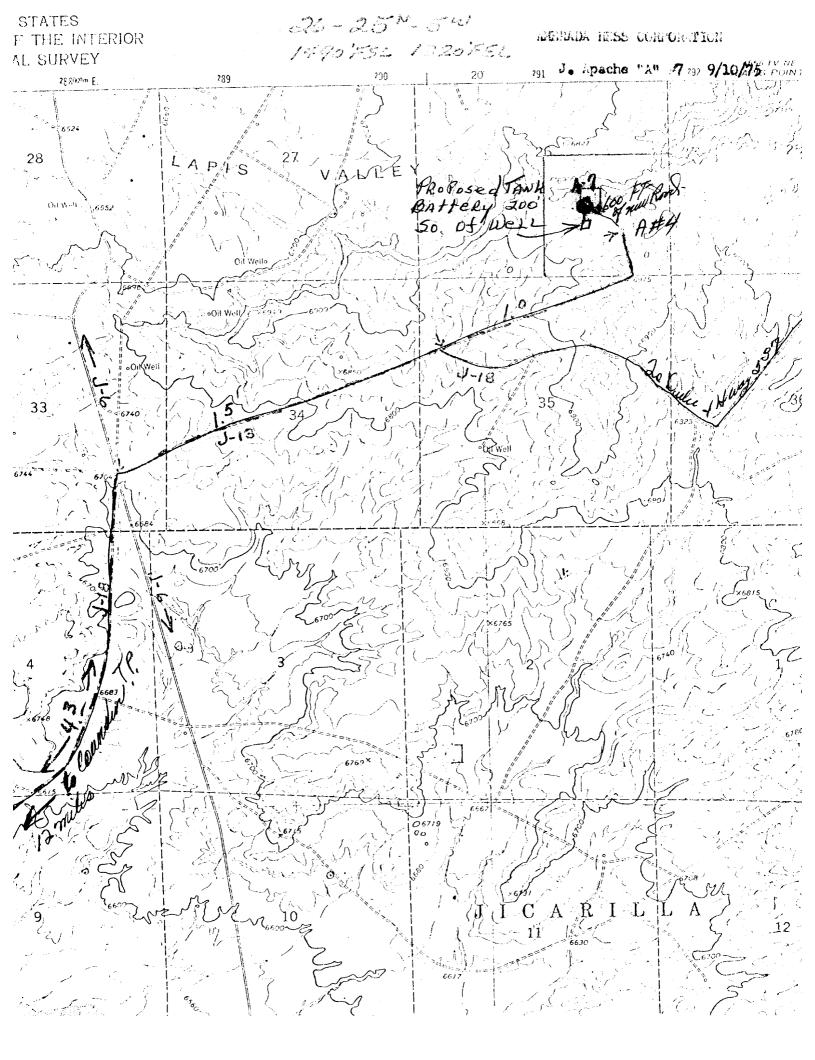
5. LEASE DESIGNATION AND SERIAL NO.

UNITED STATES DEPARTMENT OF THE INTERIOR

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

Cylerator Lease				Lease Well No.			
	<u>Corporation</u>	·	Jica	rilla Apac	he	A-7	
Unit Letter	Section 26	Township 25N	Ran	•	County		
Actual Footage Loc		1 20M		δW	Rio Arriba		
1490		outh line			from the East	line	
Ground Level Elev. 6951	Producing For Dakota		Pool	Basica 1	Takuta teru-Hallup	Dedicated Acreage: 3 20 see below Acres	
					hachure marks on t	······································	
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2. If more th interest an	an one lease is id royalty).	dedicated to the	well, outline	e each and iden	ntify the ownership t	thereof (both as to working	
3. If more tha	in one lease of d	ifferent ownership	is dedicate	d to the well, h	nave the interests	al owners been consoli-	
dated by c	ommunitization, u	nitization, force-p	ooling.etc?		/0	The state of the s	
Yes	No If an	nswer is "yes;" ty _l	oe of consol	idation		SEP 16 19/5	
		, , , , ,			1 9	SEP COM.	
It answer i this form if	s "no," list the o	owners and tract d	escriptions	which have ac	tually been consolid	ated CON regerse side of	
No allowab	le will be assigne	ed to the well until	all interest	s have been c	onsolidated (by com	umunitization, unitization,	
forced-pool	ing, or otherwise)	or until a non-stan	dard unit, e	liminating sucl	n interests, has beer	approved by the Commis-	
sion.					1		
	1			i i		CERTIFICATION	
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	1			1	best of m	y knowledge and belief. O	
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				ļ	Company Amerad	a Hess Corporation	
	i i			 	Date Sent.	. 10, 1975	
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		26	•			-	
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	1	Amera 100%	da Hess	18201	4 1	and correct to the best of my	
	· +				knowledge	e and belief.	
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ł	Basin/I Gas	Jakova		<u> </u>	Date Survey	V. 28 10 1 10 14 10 11	
	320	ac.	90	 	Augus Registered	t. 275-1975	
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AMERADA HESS CORPORATION DRILLING WELL PROGNOSIS (1975) OTERO FIELD AREA RIO ARRIBA COUNTY, NEW MEXICO

1. <u>Well Name</u>: Jicarilla Apache "A" No. 7 AHC W.I. 100% AHC I.I. 0.8750

2. Location: NW SE Section 26-T25N-R5W

3. Objectives: Graneros/Dakota 7323' Gallup 6445'

4. Geological Data:

Elevation - Ground 6960' est.; KB 6973' est.

Estimated Formation Tops - Total Depth

Ojo Alamo Kirtland Fruitland Pictured Cliffs Lewis Chacra Mesaverde Mancos Gallup Tocito Sanastee Greenhorn Graneros Dakota	2396' 2718' 3081' 3147' 3943' 4732' 5472' 6445' 6808' 6914' 7242' 7323' 7489'	
Total Depth	7650 '	

5. Sample Program:

Drilling contractor will take, wash with clean water, sack in cloth sacks provided by Amerada Hess, record depth on sack and hang up to dry as follows: 10' intervals from 2000' to total depth. Catch all samples with a lag.

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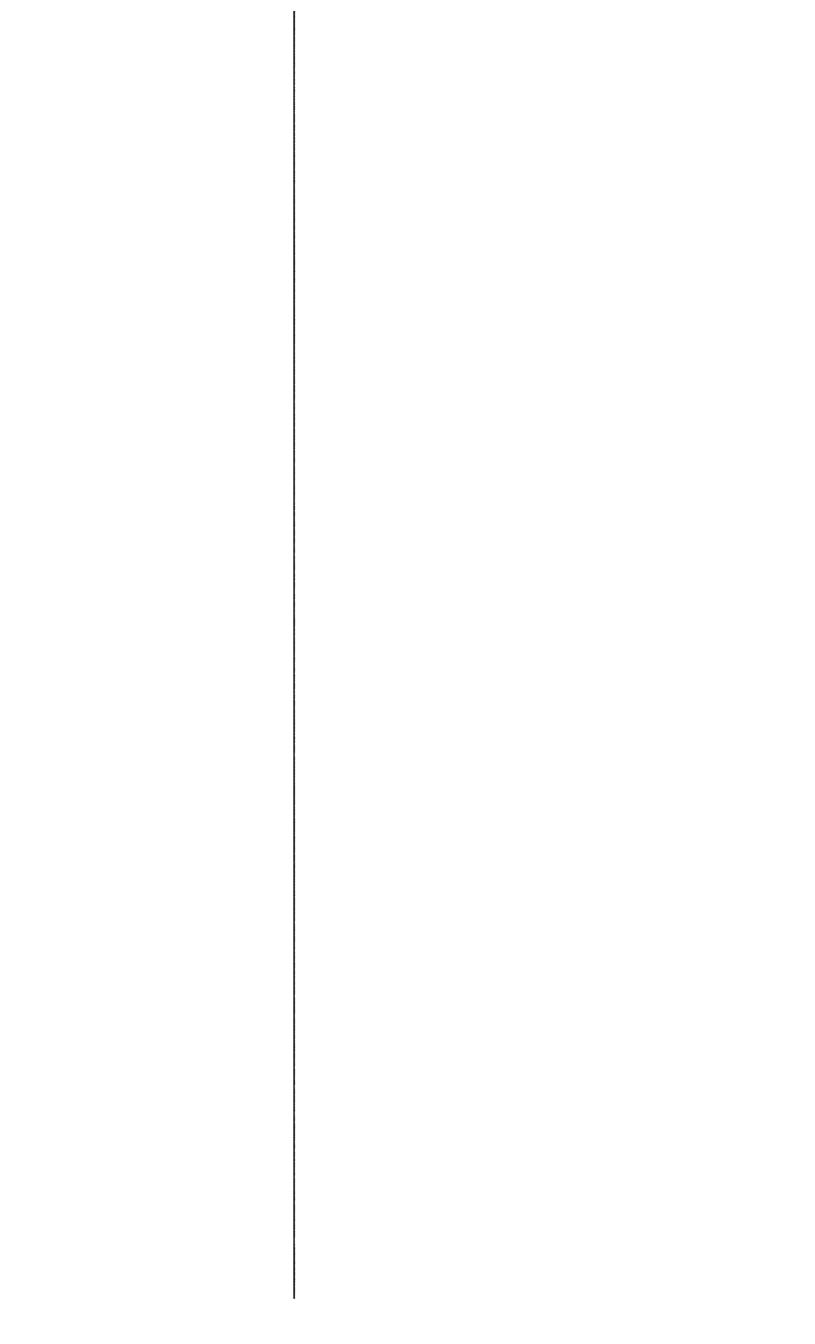
6. Drilling Time Record:

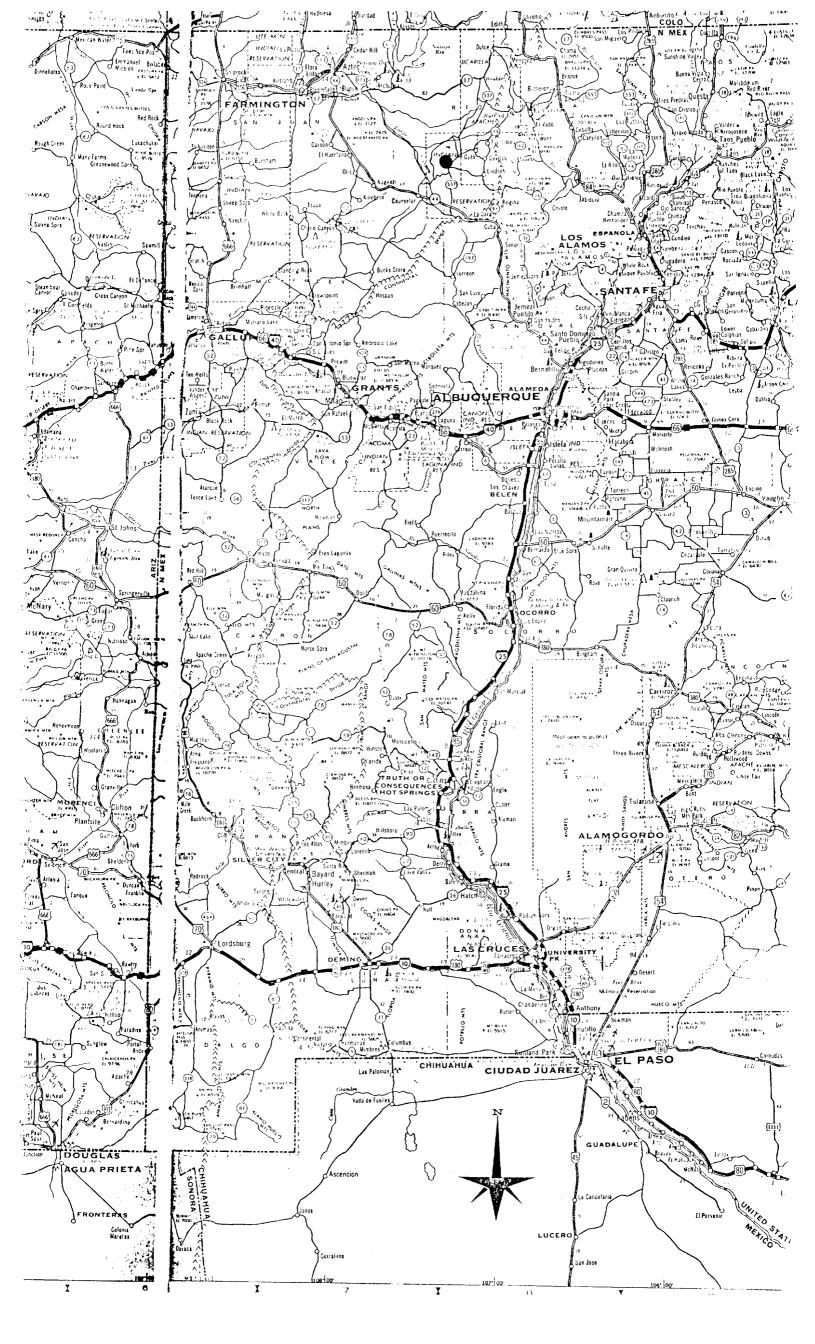
A geolograph will be maintained for determining drilling rates from surface to total depth.

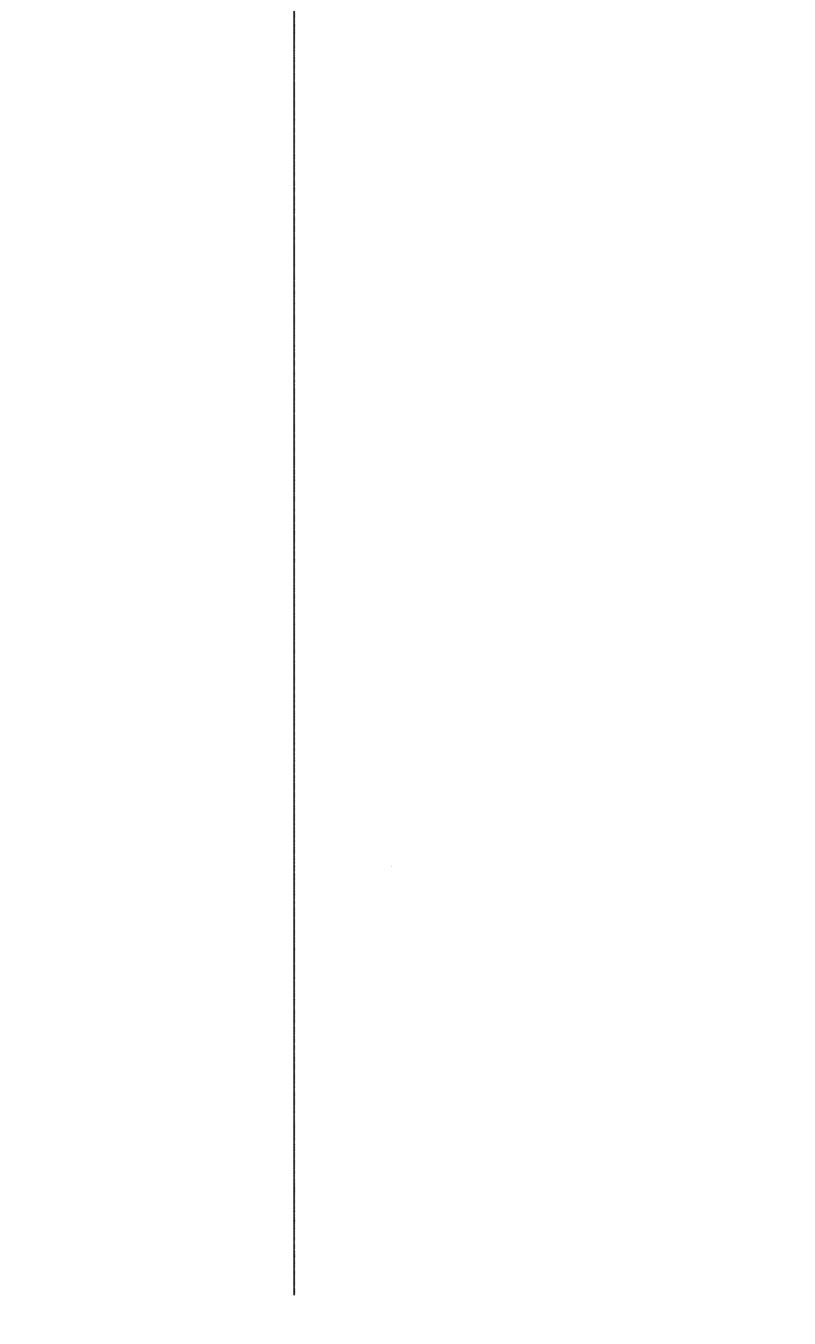
7. Zones of Interest:

Pictured Cliffs	3081'	Gallup	6445'
Chacra	3943'	Graneros	7323'
Mesaverde	4732 '	Dakota	7489 '

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AMERADA HESS CORPORATION

J. Apache "A" #7

Sec. 26, T25N, R5W, Rio Arriba

County, New Mexico

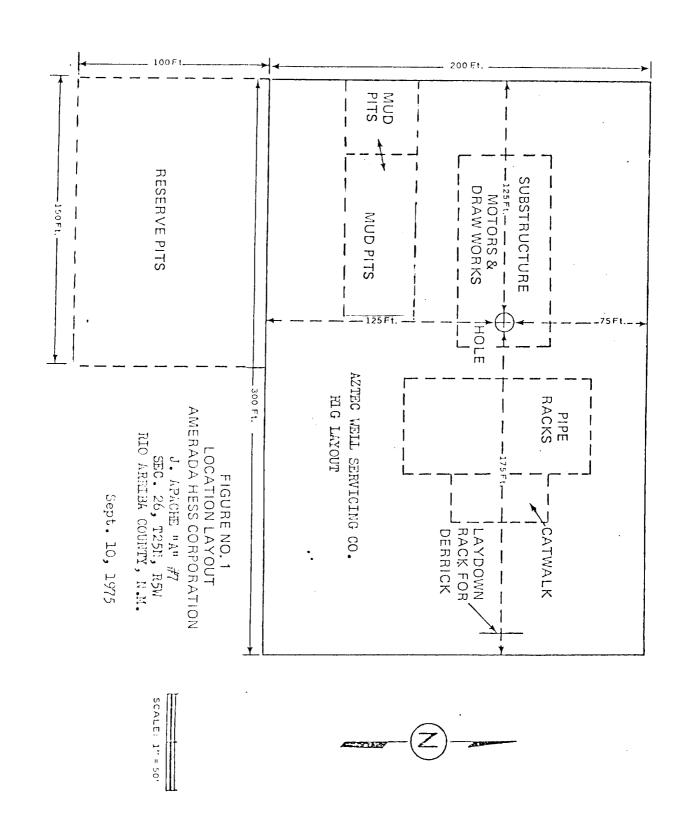
Sept. 10, 1975

12 Point Surface Usage Plan

- l. Location of well is approximately 20 miles NW of Lindrith, New Mexico and is est. 2 miles from State Hiway 537. The attached maps will show existing lease roads in the area.
- 2. Attached are copies of map and profile USGS topographic/county road map showing proposed well location and access lease road for the well.
- 3. Plat showing all existing locations within 1/2 mile radius of proposed well is attached.
- 4. No lateral roads to other well locations are planned at this time.
- 5. Attached map shows proposed new tank battery and flow lines if well is completed.
- 6. Drilling water purposes will come from Largo Canyon, 7 miles Southwest 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 is attached.
- 11. Restoration of the Surface will include filling and levelling of all pits as soon as possible and grading and levelling of the location. The surface will be cleaned and reseeded according to instructions from the proper agency for adequacy.
- 12. The location is on a drainage divide consisting of gullies and hills and the only cuts to be made is a cut approx. $2\frac{1}{2}$ ft. deep at North and West side of location to drain well site location. Natural terrain of area will handle balance of the 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. 1-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:

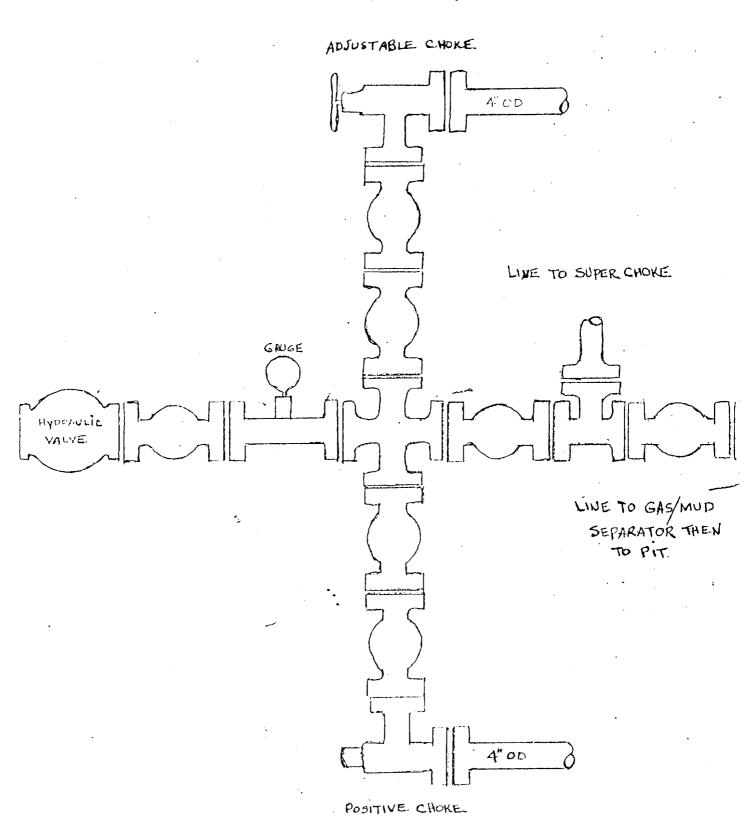
- 6. Hydraulically operated adjustable choke of at least the same pressure rating as the manifold to which it is connected.
- 7. Adequate mud gas atmospheric separator and mechanical degasser.
- 8. Automatic mud weighing device with chart read out recording at least the return mud weight.

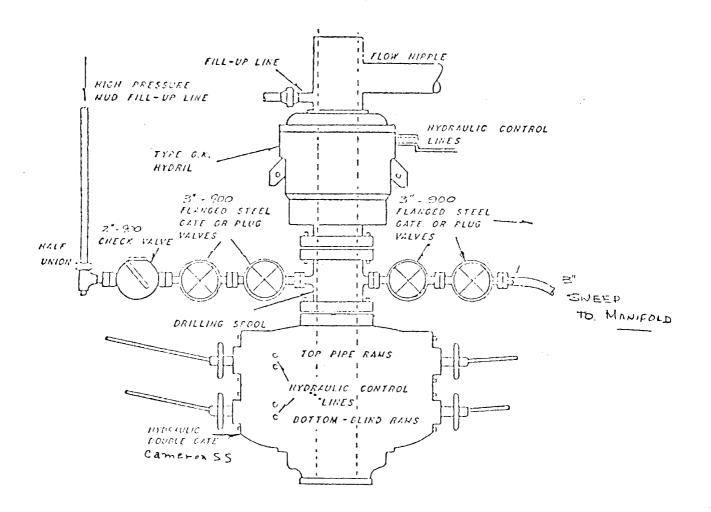
(EQUIPMENT-cont'd.)

- 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.

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





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

- 1. 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:

- 1. 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.

-		30-039-21151
Form 55321 (May 1963)	UNITED STATES SUBMIT IN TRIPLIC. DEPARTMENT OF THE INTERIOR (Other Instructions of Other Properties)	TE• Form approved.
	GEOLOGICAL SURVEY	NM-1419
	SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
(Do not	use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)	Jicarilla Apache
1.		7. UNIT AGREEMENT NAME
WELL X	WELL X OTHER	(Lease Contract #9)
2. NAME OF OP	ENATOR	8. FARM OR LEASE NAME
Amerada	Hess Corporation, Att: Drilling Service	J. Apache "A"
3. ADDRESS OF	OPERATOR ASI	9. WELL NO.
	ox 2040, Tulsa, Oklahona 74102 F WELL (Report location clearly and in accordance with any State requirements.	1 2 A
	F WELL (Report location clearly and in accordance with any State requirements.	10. FIELD AND POOL, OR WILDCAT
At surface	\ 5 ° √∴	// Otero/Gallup:Basin/Dakota
16501	FSL and 1820' FEL	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
		Sec. 26, T25N, R5W
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY OR PARISH 13. STATE
	Gr. 6961	Rio Arriba N. Mex
16.	Check Appropriate Box To Indicate Nature of Notice, Report,	or Other Data

NOTICE OF INTENTION TO:			ŀ	SUBS	EQUE	NT REPORT OF:		
							r	
TEST WATER SHUT-OFF		PULL OR ALTER CASING			WATER SHUT-OFF		REPAIRING WELL	
PRACTURE TREAT		MULT)PLE COMPLETE			FRACTURE TREATMENT		ALTERING CASING	
SHOOT OR ACIDIZE		ABANDON*			SHOOTING OR ACIDIZING		ABANDONMENT*	
REPAIR WELL		CHANGE PLANS	x	ł	(Other)			
(Other)					(Note: Report rest Completion or Reco	ılts o mplet	f multiple completion on Well tion 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.) *

Amend well location as per attached plat

SIGNED SIGNED	TITLE Supv. Tech/Drlg. Adm. Serv.	DATE 9/25/75
(This space for Federal of State office use)		
APPROVED BYCONDITIONS OF APPROVAL, IF ANY:	TITLE	DATE

Olas

*See Instructions on Reverse Side

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

Operator		All distant			iaries of the Section	n.	
•	sc.Corporation	, l	į	_{ase} Jicarilla	. Apache		Well No. Λ -7
'Init Letter	Section	Township		Range	County		
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Actual Footage Loca	·	outh	line and 18	20		To ad-	
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6961	Dakota g	gas/Gallu	p oil	see b	Daketa 1		Dedicated Acreage: 320 ° See, helow 40 Acres
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	REVISE 	di di				tained he	certify that the information con- rein is true and complete to the pknowledge and belief.
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	kota gas spacing merada Hess	נ	26 Stero/Gallu oil, 40 ac spacing 100% Amerad less	5	01	shown on notes of under my is true a knowledge Date Survey Septem Realstered and/or Land i red B	ber 17, 1975 () Professional Environment States or () Kerr vi
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uci file

OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO 1000 RIO BRAZOS RD. - AZTEC

87410

I. R. TRUJILLO CHAIRMAN

LAND COMMISSIONER
PHIL R. LUCERO
MEMBER

STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

September 17, 1975

Mr. E. Griffin Amerada Hess Corporation P. O. Box 2040 Tulsa, Oklahoma 74102

Attn: Drilling Services

Re: Amerada Hess Corp.
J. Apache A #7
J 26-25N-5W
Rio Arriba County

Dear Mr. Griffin:

The enclosed copy of the pool rules for the Otero-Gallup Oil pool requires the wells to be staked in accordance with Rule 104 C of our Rules and Regulations.

Exceptions for topographical conditions are available by Rule 104 F.

If there are questions please contact us.

Yours very truly,

A. R. Kendrick

Supervisor, District #3

Encl: Otero-Gallup Pool rules

ARK/bk