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- 3. The orthogical depths all which unbidinated where old to a flatt three ore or east of by he encourbered:
 - Sector: at approximately 2035', 2035', and 5000' as and water: at approximately 7290' to 6030' as at approximately 3000' to 6010' and approximately 6000'
- 4. Cosing and Memoria Develop Tragmen:
 - Dividences Drill a 17% holes to approximately MW, sum dowletter curvey et 100°, 200°, rnd MO°. Links devication we want 100% cooling which padde alone and income flows (one definition) to total depth. Thread look and to it would better two follows. Fine controllings in the middle of feirbert, for one for Consult with 100 scales Glass 70° plus MS and and not yibe on Lotter. Sometherwork circulate. Fine down had the Earce in 1° pipe 10 necessary. Both h bours and compande out off and mighte up 12° AFT 3000 pat 10° ACL 1000 pat (netter) and bland reas. Also rise to up 10° ACL 1000 pat the bound of the off off off off off and to up 10° ACL 1000 pat (netter) and bland reas. Also rise to up 10° ACL 1000 pat 20° and 20° and
 - Enternations: Brill on 117 hole to convexionally 1600" (hole top of San Indres). Hun fockation conveys swery 160". Third Contains to 1". The Selfet of the guide show and incore files: (2 for the up) to tokal double. Consul look rul took wall off, connections through the top of to art filest. The control fact to off the off folgies 1.

APPLICATION FOR DRILLING

Nesa Petroleum Go. Wells Federal Well No. 1 Section 11-T16S-R27E Eddy County, New Mexico

In conjunction with Form 9-331C, Application for Permit to Drill subject well, Mesa Petroleum Co. submits the following items of pertinent information in accordance with USGS requirements:

1. The geologic surface formation is Permian-Guadalupian Artesia Group.

2.	The	estimated	tops	of geologic na	arkers	are as follows:	
:	· · · · ·			Formation		Depth	<u>Sub-Sea</u>
۱۰ ۲	· .			Queen		8201	+27691
1			5 4 .	San Andres		15201	+20691
6				Glorieta		29201	+ 6691
			1. N. 1	Tubb		42801	- 691 1
				Abo		50201	-1431
				Wolfcamp		62301	-2641'
			R. 47	Bursum	19	7010	-34211
÷.			•	Strewn		10203	-2441 '
		· ·	¥	Atoka		8430	-4841 •
		÷ •		Morrow		85501	-4961 *
	1 - ¹			Miss. Chester	Sh.	86301	-50411
				Miss. Chester		8770	-5181
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3. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered:

Water: at approximately 2835', 3335', and 4345' Gas and water: at approximately 7290' to 8030' Gas: at approximately 8310' to 8410' and approximately 8500'

4. Casing and Blowout Preventer Program:

Drill a 17¹5" hole to approximately 350'. Run deviation survey at 100', 200', and 350'. Limit deviation to 1°. Run 13-3/8" casing with guide shoe and insert float (one joint up) to total depth. Thread lock and tack weld bottom two joints. Run centralizer in the middle of joints 1, 3, and 5. Cement with 400 sacks Class "C" plus 2% CaCl and set pipe on bottom. Cement must circulate. Pump down backside through 1" pipe if necessary. NOC 4 hours and commence. cut off and nipple up. Install 13-3/8" slip-on x 12" API 3000 psi bradenhead. Nipple up 12" API 3000 psi MP double BOP with pipe rams (bottom) and blind rams. Also nipple up 10" API 3000 psi WP Hydril. Install diverter line off of double BOP. NOC till it has reached a compressive strength of 500 psi. Test casing to 600 psi for 30 minutes.

Intermediate: Drill an 11" hole to approximately 1600' (into top of San Andres). Run deviation surveys every 300'. Limit deviation to 1°. Run 8-5/8" casing with guide shoe and insert float (2 joints up) to total depth. Thread lock and tack weld all connections through the top of insert float. Run centralizer in the middle of joints 1,

Surface: