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United States Department of the Interior

GEOLOGICAL SURVEY

F. O. Drawer U Artesia, New Mexico 88210

June 22, 1973

NOTICE

DRILLING WELL CONTROL REQUIREMENTS FOR DEEP WELLS DRILLED ON FEDERAL OIL AND CAS LEASES IN THE ARTESIA DISTRICT

The following requirements are established in accordance with 30 CFR 221.24, 221.36, and 221.37. Blowout preventer equipment, choke equipment, drilling fluid characteristics, drilling fluid monitors, and the conduct of drilling procedures shall be which as are necessary to prevent the blowout of any well. In addition to all other applicable rules, regulations, and accepted good operating practices, drilling shall be in accordance with the following safety requirements:

- 1. After word when <u>8-5/8 inch</u> casing string and before critting inco the <u>Wolfcamp</u> formation, the blowest preventers and related control equipment shall be pressure tested to creat working pressures by an independent dervice company. Any equipment failing to test strisfactorily shall be repaired or replaced. This office should be notified in sufficient that for a representative to witness the tests and shall be corrished a copy of the pressure test report. In addition, the pipe rank and bag-type preventer shall be actuated at least occur each 24 hours and the blind rams each time the drill pipe is out of the bole.
- Accomplete on share relation a pressure enpacity reserve at all cities to entry de for repeated operation of hydraulic preventers.
- 3. A 1911 I strike water, tube to the open position shall be maintained on the strike store of the lines of the drilling operations are being conducted.
- 4. Blow a presention inclus shall be conducted as necessary to insure that calls a lifting crustile properly trained to carry out emergency differs.
- 5. Mud system monitoring equipment, with detrick floor indicators and visual and value alarms, shall be installed and operating before

drilling into the Wolfcamp formation and used until production casing is run and cemented. Monitoring equipment shall consist of the following:

- (1) A recording pit level indicator to determine pit volume gains and losses.
- (2) A mud volume measuring device for accurately determining mud volume necessary to fill the hole on trips.
- (3) A flow senser on the flow-line to warn of any abnormal mud returns from the well.
- 6. When coming out of the hole with drill pipe, the annulus shall be filled with mud before the mud level drops below 150 feet. The volume of mud reduired to fill the hole shall be watched, and any time there is an indication of mubbing, or influx of formation fluids, proper biasout prevention precontions must be taken. The mud shall out by eleculated and conditioned except on or near bottom, unless well conditions prevent running the pipe to bottom.
- 7. A copy of these requirements shall be posted on the rig floor or in the dog house during the drilling of the cell.

James A. Knauf

District Engineer

Lease No.	New Merice 0-39900-A.
Well	Yates Petroleum Coro. L-Federal "CR"
	660/SAW 29-17S-25E
Depen	8700' Devenian
Approved _	July 9, 1973



YATES BUILDING - 207 SOUTH 4TH ST. ARTESIA, NEW MEXICO - 86210 June 21, 1973

U. S. Geological Survey Drawer U Artesia, New Mexico 88210

RE: Yates Petroleum Corporation Federal "CR" No. 1 Well SW SW Section 29-17S-25E Eddy County, New Mexico

Gentlemen:

Mud Program:

Surface to 1150' FW, Gel w/Hulls 1150 to 5400' Fresh Water 5400 to 7400' Water w/2% KCL 7400 to TD Gel w/CMC, 1% KCL

BOP Schedule (On Intermediate Casing) Pipe rams and hydril test daily. Blind rams test on trips.

Yours truly,

YATES PETROLEUM CORPORATION

Eddie M. Mahfood Engineer

EMM:ct

S. P. YATES PRESIDENT HARVEY E. YATES Vice President MARTIN YATES, III Vice President John A. YATES Vice President HUGH W. PARRY SEC. TREAS.

8.9# 50 Vis 14 WL 8.4# 50 Vis 14 WL 8.5# 50 Vis 14 WL 9.1# 45-65 Vis 6-8 WL

NEW MEXICO OIL CONSERVATION COMMISSION WELL JCATION AND ACREAGE DEDICATION AT

		All distances must be fr	om the outer boundaries o	the Section.	•
perator			Lease		Well No.
YATES	PETROLEUM CON	PORATION	FEDERAL (CR	1 1
Init Letter	Section	Township	Range	County	
М	29	17 South	25 East	Eddy	
ctual Footage Lo		L IT South	LA) DASU	<u> </u>	
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660 round Level Elev	feet from the Producing For	South line and	<u>660</u> fe	et from the W	CSL line Dedicated Acreage:
-	. Producing For	mation	Wildcat		40
3612				· · · · · · · · · · · · · · · · · ·	Acres
1. Outline t	he acreage dedica	ted to the subject we	ll by colored pencil	or hachure marks on	the plat below.
	han one lease is nd royalty).	dedicated to the well	, outline each and id	entify the ownership	thereof (both as to working
	communitization, (ifferent ownership is d initization, force-poolir nswer is "yes," type of	ng. etc?	have the interests	of all owners been consoli-
If answer	is "no" list the	owners and tract descr	iptions which have a	ctually been consol	idated. (Use reverse side of
	if necessary.)				
	-	ad to the wall watil all	interacte have here	concolidated (L	ommunitization, unitization
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YATES PETROLEUM CORPOP TION - FEDERAL "CR" NO. 1 SW SW Section 29 T178- 258 - Eddy County, New Max 20

Development plan for surface use to accompany, "Applications to Drill Onshore Oil, Gas, or Geothermal Steam Wells on Public Domain and acquired Federal Lands:"

- Existing roads. Existing roads are maintained as needed, and climate, roads are caliched and watered as needed.
- Planned access roads. See attached topo map with proposed access road located approx. 1/4 mile north of stock waterhole.
- 3. Location of well.See attached topo map; relatively flat terrain with good drainage. Well located in south-half of 80 acre unit.
- 4. Lateral roads to wells locations. See attached topo map.
- 5. Location of tank batteries and flowlines See attached map; tank battery to be approx. 300 ft. north of well, flowlines alongside roadway.
- Locations and types of water supply Drilling water to be trucked from source wells in Eagle Creek - See attached map.
- Methods for handling waste disposal. Pits for mud, separate pit for trash and engine oil.
- 8. Location of camps. None

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- 9. Location of airstrips. Not applicable
- 10. Location layout to include position of the rig, mud tanks, reserve pits, burn pits, pipe racks, etc. See sketch.
- 11. Plans for restoration of the surface. If dry hole will erect marker level pits, restore ground as near original as possible. If producer will fence or level pits as needed.

12. Any other information which the Approving Official considers essential to his assessment of the impact on the environment. Sparse mesquite brush & praire-grass. Road presents minimum distrubance. Surface rights patented by W. E. McIlhaney Artesia, MM. Location and access roads satisfactory to rancher.

The affected Federal and State surface managing agencies shall have access to or, if feasible, may be provided with copies of such development plans.



SUBMITTED BY: YATHS PETROLLUM CORPORATION Edda he lightpert