Form 3160-3 (July 1992)	UNIT DEPARTMENT BUREAU OF ICATION FOR PE	PROPER EL POOL C C EFF. DA LA APINO.	NTY NO.	0. <u>20192</u> 20192 19570 1/23/97 025-337	2 	5. LEASE DEBIGNATION	1004-0136 hary 28, 1995 AND BERIAL NO.
1a. TYPE OF WORK		DEEPEN				7. UNIT AGREEMENT	AMB
b. TYPE OF WELL	AS []		<u></u>				
	ELL OTHER		ZON			8. FARM OR LEASE NAME, W Near Powell	
YATES PETROLE	UM CORPORATION					9. API WELL NO.	
3. ADDRESS AND TELEPHONE NO.	······					1	
	rth Street Artes				48-1471	10. FIELD AND POOL, Wildent	DE WILDCAT
At surface	1880' FWL (Unit			te requirements.*)		11. SEC., T., B., M., OR	Ellenburger
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15. DISTANCE FROM PROP		ew Mexico	1 16. NO.	OF ACRES IN LEASE	17 80 0	Lea F ACRES ASSIGNED	NM
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OR APPLIED FOR, ON TH	IS LEASE, FT.		13	,500'		Rotary	
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23.	I	PROPOSED CAS	ING AND O	EMENTING PROGRA	м		
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	E PROPOSED PROGRAM: If pr nent data on subsurface locations						oposal is to drill or
SIGNED	~K. May	TIT	LE <u>Requ</u>	latory Agent		DATE12/2	0/96
(This space for Feder	ral or State office use						
PERMIT NO			AF	PROVAL DATE			
	ot warrant or certify that the appli , IF ANY:	cant holds legal or ec		o those rights in the subject	lease which wo	uld entitle the applicant term	pouct operations thereon.
APPROVED BY	RIG. SGD.) TONY 1 FI			ADM, MINE	RALS ⁶⁵		97

*See Instructions On Reverse Side

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Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

District I HO Box 1980, Hobbs, NM 88241-1980 District II PO Drawer DD, Artesia, NM 88211-0719 District III 1000 Rio Brazus Rd., Artoc, NM 87410 District IV PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-132 Revised February 10, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088

AMENDED REPORT

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YATES PETROLEUM CORPORATION NEAR POWELL AQR FEDERAL #1 330' FNL AND 1880' FWL Sec. 7,-T26S-R38E Lea County, New Mexico

1. The estimated tops of geologic markers are as follows:

Rustler	970′	Devonian	9850′
Yates	2690'	Simpson	11340′
Queen	3450′	Ellenburger	12470′
San Andres	4030′	TD	13500′
Glorieta	5260′		
Tubb	6450′		
Wolfcamp	7600′		
Uniformity	8050'		
Mississippi Lime	8820'		
Woodford	9250′		

2. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered:

Water: 300' to 400' Oil or Gas: 6450', 9850', 11,340', and 12,470'

3. Pressure Control Equipment: BOPE will be installed on the 11 3/8" casing and rated for 5000# BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventor controls will be installed prior to drilling the surface plug and will remain in use until the well is completed or abandoned. Preventors will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. See Exhibit B.

Auxiliary Equipment:

- A. Auxiliary Equipment: Kelly cock, pit level indicators, flow sensor equipment, and a sub with full opening valve to fit the drill pipe and collars will be available on the rig floor in the open position at all times for use when kelly is not in use.
- 4. THE PROPOSED CASING AND CEMENTING PROGRAM:
 - A. Casing Program: (All New)

<u>Hole Size</u>	Casing Size	<u>Wt./Ft</u>	<u>Grade</u>	<u>Thread</u>	<u>Interval</u>	<u>Length</u>
14 3/4"	11 3/4"	42#	H-40	ST&C	0-450'	450'
11"	8 5/8"	32#	J-55	ST&C	0-4000'	4000′
11″	8 5/8"	32#	HC-80	ST&C	4000'-4100'	100'
7 7/8″	5 1/2"	17#	N-80	BUTT	0-2000'	2200′
7 7/8″	5 1/2"	17#	N-80	LT&C	2200'-10700'	8500′
7 7/8″	5 1/2"	17#	S-90	LT&C	10700'-13500'	2800'

Minimum Casing Design Factors: Callapse 1.125, Burst 1.0, Tensile Strength 1.80



Near Powell AQR Federal #1 Page 2

B. CEMENTING PROGRAM:

Surface casing: 300 sx PSL "C" w 1/4# Cellocel, 3% CaCl2, (wt.12.4 yld 1.84). 250 sx "C" w/ 2% CaCl2 (wt. 14.8 yld 1.32) Interrmediate Casing: 800 sx Pacesetter Lite "C" w/ 1/4# Cellocel, 10# Salt. Tail in 250 sx "C" w/ 2% CaCl2 (wt. 14.8, yld 1.32). Production Casing: 650 sx "H" w/ 8# CSE, 5# Gilsonite, 6/10% CF-14, .35% Thrifty Lite (wt 13.6, yld 1.75). Production Casing: 750 sx Pacesetter Lite "C" w/ 5% Gilsonite, 5# Salt,4/10% CF-14 (wt. 12.7, Yld 1.84).

5. Mud Program and Auxiliary Equipment:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	Fluid Loss
Spud - 450'	FwGel/Paper LCM	8.6-9.6	32-36	N/C
450' - 4100'	Brine	10.0- 10.2	28	N/C
4100' - 6700'	Cut Brine, Starch	8.9-9.1	28	<15cc
7600' - 13500'	Salt Gel < Starch	9.6-9.8	34-38	<12cc

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blow out will be available at the well site during drilling operations. Mud will be checked hourly by rig personnel.

6. EVALUATION PROGRAM:

Samples: 20' samples from surface to 2400'; 10' from 2400' to TD. Logging: CNL/LDT TD to csg.; w/GRN to surface.; DLL w/rxo - TD to casing, BHC ` Sonic TD to casing. Coring: None DST's: None at this time . Possiblle sidewall cores.

7. Abnormal Conditions, Bottom hole pressure and potential hazards: Anticipated BHP:

From:	0 To:	450′	Anticipated Max. BHP:	250 PSI				
From:	450′ To:	4100′	Anticipated Max. BHP:	2030 PSI				
From	4100' To:	13500′	Anticipated Max. BHP:	5800 PSI				

Abnormal Pressures Anticipated: None Lost Circulation zones anticipated: None H2S Zones Anticipated: None Maximum Bottom Hole Temperature: 128 F

8. ANTICIPATED STARTING DATE:

Plans are to drill this well as soon as possible after receiving approval. It should take approximately 15 days to drill the well with completion taking another 15 days.

YATES PETROLEUM CORPORATION

TYPICAL 5,000 p.s.i. BLOWOUT PREVENTER & CHOKE MANIFOLD SCHEMATIC





