· EC			
Form 3160-3 (August 1999) UNITED ST	TATES THE INTERIOR CD-HOBBS MANAGEMENT	FORM APP OMB No. 10 Expires Novem	004-0136
BUREAU OF LAND	MANAGEMENT	5. Lease Senal No. NMNM81274	
APPLICATION FOR PERMIT	TO DRILL OR REENTER	6. If Indian, Allottee or Int	se Name
1a. Type of Work: DRILL CREENTER		7. If Unit or CA Agreement	, Name and No.
1b. Type of Well: Soli Well Gas Well Ot		8. Lease Name and Well No THYME APY FEDERA	
2. Name of Operator Contact: YATES PETROLEUM CORPORATION	ROBERT ASHER E-Mail: basher@ypcnm.com	9. API Well No. 30-025-361	92
3a. Address 105 SOUTH 4TH STREET ARTESIA, NM 88210	3b. Phone No. (include area code) Ph: 505.748.4364 Fx: 505.748.4572	10. Field and Pool, of Explo RED TANK BONE SPRINGS	
4. Location of Well (Report location clearly and in accorda	ince with any State requirements.*)	11. Sec., T., R., M., or Blk.	and Survey or Area
At surface NWSW 1650FSL 990FWL At proposed prod. zone NWSW 1650FSL 990FWL		Sec 1 T23S R32E M	ler NMP
14. Distance in miles and direction from nearest town or post of APPROX. 41 MILES NW OF JAL, NM	office*	12. County or Parish LEA	13. State NM
 Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 	16. No. of Acres in Lease	17. Spacing Unit dedicated	
	479.25	40.00	
 Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 	19. Proposed Depth 9200 MD	20. BLM/BIA Bond Ne. on	file
21. Elevations (Show whether DF, KB, KT, GL, etc. 3749 GL	22. Approximate date work will start	23. Estimated duration 35 DAYS	iobbs
 The following, completed in accordance with the requirements o Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest Syst SUPO shall be filed with the appropriate Forest Service Official 	f Onshore Oil and Gas Order No. 1, shall be attached to the operation of the second state of the second st	formation and/or plans as may	ng bond on file (see
25. Signature (Electronic Submission)	Name (Printed/Typed) CLIFTON R. MAY Ph: 505.748.4347		Date 01/21/2003
	I		
Approved by (Signature) /S/ JOE G. LARA	Name (Printed/Typed) /S/ JOE G. L	ARA	Date FFB 2 4 2003
AUTING FIELD MANAGER	CARLSBAD FIEL		
Application approval does not warrant or certify the applicant ho operations thereon. Conditions of approval, if any, are attached.		DVAL FOR 1 Y	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, r States any false, fictitious or fraudulent statements or representat	ions on to any matter within its insidiation		
Additional Operator Remarks (see next page)	PO	OPERTY NO 187	3
Electronic Submiss DECLARED WATER BASIN For YATES CEMENT BEHIND THE	sion #17832 verified by the BLM Well AP PETROLEUM CORPORATION, sent or processing by Linda Askwig on 01/21/20 APPROV GENERA	DATE <u>3-3-e</u> NO <u>30-025-3</u> AL SUBJECT TO L REQUIREMENT STIPULATIONS	6192
** REVISED ** REVISED ** REVIS	АТТАСИ	D** REVISED ** REV	ISED
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District III	N					1220 South St			ŝ	State Lease
1000 Rio Brazos Ro District IV	L, ABBC, Per	VI 8741 U				Santa Fe, N	IM 87505			Fee Lease
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District I PO Box 1980, Hobbs, NM 88241-1980 District II PO Drawer DD, Artesia, NM 88211-0719 District III 1000 Rie Brazes Rd., Aster, NM 87410 District IV

PD Box 2088. Santa Fe, NM 87504-2088

Form C-102 Revised February 10, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

AMENDED REPORT

OIL	CON	SER	VAT	ION	DIVISIO	1
-		PO	Box	2088		
	Santa	Fe,	NM	87504	1-2088	



YATES PETROLEUM CORPORATION Thyme APY Federal #11 1650' FSL and 990' FWL Section 1-T23S-R32E Lea County, New Mexico

1 The estimated tops of geologic markers are as follows:

Rustler	1260'	Cherry Canyon	5990'
Top of Salt	1295'	Bone Spring	8800'
Bottom of Salt	4680'	TD	9200'
Delaware	4968'		

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

Water: 250' – 750' Oil or Gas: 8800'

3. Pressure Control Equipment: BOPE will be installed on the 13 3/4" casing and rated for 3000# 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 uniii 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:

Α.

- 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:

Casing Pro	gram: (All New)				FEB 2	003
Hole Size	Casing Size	Wt./Ft	Grade	Coupling	IntervalECE	Eength
14 3/4"	11 3/4"	42#	J-55	ST&C	0-1270' Hob	
11"	8 5/8"	32#	J-55	ST&C	0-4200' 00	^{,0} 4200'
12 ¼"	8 5/8"	32#	HC-80	ST&C	4200-4810'	610'
7 7/8	5 ½"	17#	N-80	LT&C	0-2000	2000'
7 7/8	5 ½"	17#	J-55	LT&C	2000-3000'	1000'
7 7/8	5 ½"	15.5#	J-55	LT&C	3000-7000'	4000'
7 7/8	5 ½"	17#	J-55	LT&C	7000-8500'	1500'
7 7/8	5 ½"	17#	N-80	LT&C	8500-9200'	700'

٨.

- 1 Minimum Casing Design Factors: Collapse 1.125, Burst 1.0, and Tensile Strength 1.8
- 2. Yates Petroleum Corporation requests that a variance be granted in requiring the casing and BOPE to be tested to 2000 psi to testing the casing and BOPE to 1000 psi. The rig pumps will be used to test the casing and BOPE. Rig pumps used in this area cannot safely test above 1000 psi. We would have to go to the greater expense of hiring an independent service company to do the testing. Also, the bottom hole pressure in this field is proven to be near 1000 psi. A shut in surface pressure would be less than 1000 psi. We feel that a 1000 psi test will demonstrate that the BOPE is functioning properly, and in the unlikely event of a gas influx that the BOPE would be sufficient to control the well.

Thyme APY Federal #11 Page 2

B. CEMENTING PROGRAM:

Surface Casing:	550 sx Pacesetter Lite "C" w/ 1/4# Cellocel + 3% CaCl2 (YLD 1.84 WT 12.4) + 250 sx Class "C" w/2% CaCl2 (YLD 1.32 WT 14.8). Cement calculated to circulate to surface.

Intermediate Casing: 1500 sx Pacesetter Lite "C" w/ 1/4# Cellocel + 3% CaCl2 (YLD 1.32 WT 14.8) + 250 sx Class "C" w/2% CaCl2 (YLD 1.32 WT 14.8). Cement calculated to circulate to surface.

Production Casing: 1st Stage: 250 sx "H" w/8# sx CSE + 0.6% CF-14 + 5# sx Gilsonite (YLD 1.75 WT 13.6). Cement calculated to 8000' DV tool set @ approximately 8000'.

 2^{nd} Stage: 650 sx Pacesetter Lite "C" w/5# sx Gilsonite, 1/4# sx Cellocel + 0.5% CF-14 (YLD 1.84 WT 12.7) + 150 sx "H" w/0.5% CF-14 (YLD 1.78 WT 13.6). Cement calculated to tie back to intermediate casing 100'.

5. MUD PROGRAM AND AUXILIARY EQUIPMENT:

Interval	Type	<u>Weight</u>	Viscosity	Fluid Loss
0-1270'	FW GEL	8.6-9.6	32-36	N/C
1270'-4810'	Brine	10.0-10.2	28	N/C
4810'-9200'	Cut Brine/Starch	8.9-9.1	30	<15/cc

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: Every 20' from surface to 4000', 10' from 4000' to TD. Logging: CNL/LDT from TD to casing, w/ GR-CNL up to surface, DLL w/RXO from TD to casing; CMR over selected intervals.

Coring: None anticipated

DST's: As warranted.

7. ABNORMAL CONDITIONS, BOTTOM HOLE PRESSURE, AND POTENTIAL HAZARDS:

Anticipated BHP:

From:	0	TO:	1270'
From:	1270'	TO:	4810'
From:	4810'	TO:	TD

Anticipated Max. BHP: 250 PSI Anticipated Max. BHP: 2062 PSI Anticipated Max. BHP: 3800 PSI

Abnormal Pressures Anticipated: None

Lost Circulation Zones Anticipated: None.

H2S Zones Anticipated: None.

Maximum Bottom Hole Temperature: 140 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 20 days.

Thyme APY Federal #11 Page 3

- 11. SURFACE OWNERSHIP: Federal Surface administered by BLM
- 12. OTHER INFORMATION:
 - A. Topography: Refer to the existing archaeological report for a description of the topography, flora, fauna, soil characteristics, dwellings, and historical and cultural sites.
 - B. The primary surface use is for grazing.
- 13. OPERATOR'S REPRESENTATIVE:
 - A. Through A.P.D. Approval: B. Clifton R. May, Regulatory Agent Yates Petroleum Corporation 105 South Fourth Street Artesia, New Mexico 88210 Phone (505) 748-1471

Through Drilling, Completions & Prod. Pinson McWhorter, Operations Manager Yates Petroleum Corporation 105 South Fourth Street Artesia, New Mexico 88210 Phone (505) 748-1471

14. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Yates Petroleum Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

1/16/2003





Yates Petroleum Corporation

Typical 3.000 psi Pressure System Schematic Annular with Double Ram Preventer Stack



Typical 3,000 psi choke manifold assembly with at least these minimun features



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