RECEIVED

N.M. Oil Cons. DIV-Dist. 2 1301 W. Grand Avenue Artesia, NM 88210

JAN 0 6 2004

Form 3160-3 (August 1999)

OCD-ARTESIA

UNITED STATES

DEDARTMENT OF THE INTEDIOD

OMB No. 1004-0136 Expires November 30, 2000

DEPARTMENT OF THE II	NIERIOR		5. Lease Serial No.		
BUREAU OF LAND MANAG	EMENT		NM-1720	8	
APPLICATION FOR PERMIT TO D	DILL OD DEENTED		6. If Indian, Allottee or Tribe	e Name	
APPLICATION FOR PERIVIT TO DE	NILL OK KEENTEK		Not Applica	able	
1a. Type of Work: X DRILL REI	ENTER		7. If Unit or CA Agreement, Name and No.		
			Not Applicable		
			8. Lease Name and Well No.		
b. Type of Well: Oil Well Gas Well Other	Single Zone	Multiple Zone	Dorothy VO Fee	deral #3	
2. Name of Operator	<u> </u>		9. API Well No.	5 /	
Yates Petroleum Corporation			30-005-6		
3A. Address 105 South Fourth Street	3b. Phone No. (include area code	e)	10. Field and Pool, or Explor	atory	
Artesia, New Mexico 88210	(505) 748-147	<u>'1</u>	Wildcat Precar	mbrian	
4. Location of Well (Report location clearly and in accordance with any	State requirements.*)		11. Sec., T., R., M., or Blk, a	and Survey or Area	
At surface 660' FNL and 660'	FEL, Unit letter A				
At proposed prod. Zone same a	as above		Section 14, T8	S-R26E	
14. Distance in miles and direction from nearest town or post office*			12. County or Parish	13. State	
Approximately twenty (20) miles northeast of Ros	well, New Mexico		Chaves County	NM	
15. 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	. No. of Acres in lease 17. Spacing Ur		nit dedicated to this well	
	1266.78 19. Proposed Depth 20. BLM/B		320 - N/2 A Bond No. on file		
 Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 	5180'	20. BLW/BIA	NM-2811		
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will	start*	23. Estimated duration		
3953' GL	ASAP		30 Days		
	24. Attachments				
The following, completed in accordance with the requirements of Onshor	e Oil and Gas Order No. 1, shall b	e attached to this	form:		
1. Well plat certified by a registered surveyor.	4. Bond to cove	r the operations	unless covered by an existing b	ond on file (see	
2. A Drilling Plan.	Item 20 abov	_	, ,		
3. A Surface Use Plan (if the location is on National Forest System Land	s, the 5. Operator cert	fication.			
SUPO shall be filed with the appropriate Forest Service Office.	-		nation and/or plans as may be red	quired by the	
	authorized of	•	•		
25. Signa)ure	Name (Printed/Typed)		Date		
(La U(1),	Robert Asher		ļ	12/1/03	
Title:					
Regulatory Agent					
Approved by (Signature) /S/LARRY D. BRAY	Name (Printed/Typed) /S/LARH	D. BRAY	Date / - /	2-2004	
Title Andriant Meld Manager,	Office ROSWELL FIE	SI D OFFICE	APPROVED FOR 1		
Leader Marais					
Application approval does not warrant or certify that the applicant holds operations thereon. Conditions of approval, if any, are attached.	legal or equitable title to those righ	ts in the subject l	lease which would entitle the ap	plicant to conduct	
Title 18 U.S.C. Section 1001and Title 43 U.S.C. Section 1212, make it a	crime for any person because 1	ad willfuller to	les to any department or ac-	of the United	
States any false, fictitious or fraudulent statements or representations as t			ike to any department or agency	or the Office	

*(Instructions on reverse)

CAL SUBJECT TO NEHAL REQUIREMENTS AND CIAL STIPULATIONS ATTACHED District I

1625 N. French Dr., Hobbs, NM 88240

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

Form C-102 Revised August 15, 2000

811 South First, Artesia, NM 88210

Submit to Appropriate District Office

1000 Rio Brazos Rd., Aztec, NM 87410

1220 South St. Francis Dr. Santa Fe, NM 87505

State Lease - 4 Copies

Fee Lease - 3 Copies

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

	AMENDED REPORT
WELL TO COMPANY AND A CORP. OF DEDUCATION AND	

1 A	PI Number	•		² Pool Code		³ Pool Name					
			Wildcat Precambrian								
⁴ Preperty C	ode				⁵ Property	Name			Well Number		
			DOROTHY VO FEDERAL 3								
⁷ OGRID N	o.		Operator Name 'Elevation								
025575	5			Yate	s Petroleum	Corporation			3953'		
					¹⁰ Surface	Location					
JL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
Α	14	85	26E		660	Nortth	660	East	Chaves		
			¹¹ B	ottom Ho	le Location 1	If Different Fron	n Surface				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County		
² Dedicated Acres 320	¹³ Joint o	r Infili 14 C	onsolidation	Code 15 Ord	ler No.	<u></u>	i				

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A

	NON-STANDA	RD UNIT HAS BEEN A	PPROVED BY THE D	IVISION
6			660,	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature Robert Asher Printed Name Regulatory Agent Title 12/1/2003
NM-19208				Date
				¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. REFER TO ORIGINAL PLAT Date of Survey
				Signature and Seal of Professional Surveyor: Certificate Number

Instruction on back Submit to Appropriate District Office

State Lease - 4 Copies Per Lease - 3 Copies

DISTRICT; II
811 South Pirst, Artesia, NM 88210

DISTRICT III
1000 Rio Brazza Rd., Astec, NM 87410

DISTRICT IV
2040 South Pacheco, Santa Pe, NM 87506

330, 660, 550,

1650' 1980' 2310'

OIL CONSERVATION DIVISION P.O. Box 2088 Santa Fe, New Mexico 87504-2088

[] AMENDED REPORT

			WI	ELL LO	CAT	ION	AND ACR	EA	GE DEDICATION	ON PLAT		
API	Number		T	1	Pool Code Pool Name							
	.				····		<u> </u>			cat Precanb		
Property C	Property Code Property Name DOROTHY "VO" FEDERAL							Well No	mper			
OGRID No	<u> </u>						Operator N			· <u>_</u>	Eleval	Lion
025575)	ATES	PETROLEUM	CO	RPORATION		3953	
							Surface L	oca	tion			
UL or lot No.	Section	Townsh	ip	Range	lot	ldn	Feet from the	•	North/South line	Feet from the	East/West line	County
Α	14	85		26E			660		NORTH	660	EAST	CHAVES
			1	Bottom	Hole	Loc	eation if Di	ffe	rent From Sur	fac e		
UL or lot No.	Section	Townsh	pb.	Range	lot	ldn	Feet from th	•	North/South line	Feet from the	Enst/West line	County
Bedicated Acres	Joint o	r Infili	Come	olidation (Code	Or	der No.				<u>L</u>	L
320												
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		OR	A NO	n-stan	DARI	UN	IT HAS BEE	N.	APPROVED BY	LHE DIVISION		
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	1				1					Date Survey	7/14/2003	
					1					Signature &	-	
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<u> </u>											SNSIONAL	

2310' 1980' 1650'

880, 880, 330,

YATES PETROLEUM CORPORATION Dorothy VO Federal #3

660' FNL and 660' FEL Section 14,T8S-R26E Chaves County, New Mexico

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

San Andres	1145'	Cisco	5846'
Glorieta	2240'	Strawn	5965'
Yeso	2365'	Mississippian	6200'
Tubb	3816'	Siluro-Devonian	6345'
Abo	4570'	Basement-Granite Wash	6590'
Wolfcamp	5270'	TD	6740'

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

Water:

150'-200'

Oil or Gas: All potential zones.

3. Pressure Control Equipment: BOPE will be installed on the 8 5/8" casing and rated for 2000 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)

Hole Size	Casing Size	Wt./Ft	<u>Grade</u>	Coupling	<u>Interval</u>
12 1/4	8 5/8"	24#	J-55	ST&C	0-900'
7 7/8"	5 1/2"	15.5#	J-55	ST&C	0-6740'

1. Minimum Casing Design Factors: Collapse 1.125, Burst 1.0, 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 sumps will be used to test the casing and BOPE. Rig pumps used in this area cannot cafely test above 1000 PSI. We would have to go to the greater expense of hiring an independent service to do the testing. Also, the maximum shut-in bottom hole pressure is 1100 PSI. Pressure at the surface is much less. Most of the time the Abo formation requires treatment before it flows.

o G

Dorothy VO Federal #3 Page 2

A. CEMENTING PROGRAM:

Surface Casing: 325 sx Lite "C" (YLD 2.0 WT 12.5). Tail in with 200 sx "C" + 2% CaCL2 (YLD 1.33 WT 15.6).

Production Casing: 550 sx PVL (YLD 1.34 WT 13.0). TOC 3900'.

5. MUD PROGRAM AND AUXILIARY EQUIPMENT:

<u>Interval</u>	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	Fluid Loss
0-1000'	FW GEL,Paper,LCM	8.6 - 9.6	32-36	N/C
1000'-4450	Brine	10.0-10.2	28	N/C
4450'-6740'	Starch/Salt Gel	9.3 -10.2	32-40	<6/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: 10' samples out from under surface casing.

Logging: CNL/LDT, W/NGT TD-Surf csg; with CNL/GR up to Surf; DLL/MS

FL TD-Surf csg: BHC Sonic TD-SURF CSG; FMI-TD – Top of Wolfcamp

Coring: None

DST's: As warranted.

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

Anticipated BHP:

From: 0 TO: 1000' Anticipated Max. BHP: 400 PSI From: 1000' TO: 6740' Anticipated Max. BHP: 3000 PSI

Abnormal Pressures Anticipated: None

Lost Circulation Zones Anticipated: None.

H2S Zones Anticipated: None Anticipated

Maximum Bottom Hole Temperature: 110 F

8. ANTICIPATED STARTING DATE:

Plans are to drill this well as soon as possible after receiving approval. It should take approximately 25 days to drill the well with completion taking another 20 days.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN Dorothy VO Federal #3

660' FNL and 660' FEL Section 14,T8S-R26E Chaves County, New Mexico

This plan is submitted with Form 3160-3, Application for Permit to Drill, covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of the surface disturbance involved and the procedures to be followed in rehabilitating the surface after completion of the operations, so that a complete appraisal can be made of the environmental effect associated with the operations.

1. EXISTING ROADS:

Exhibit A is a portion of the BLM map showing the well and roads in the vicinity of the proposed location. The proposed wellsite is located approximately 20 miles northeast of Roswell, New Mexico and the access route to the location is indicated in red and green on Exhibit A.

DIRECTIONS:

Drive northeast of Roswell on Highway 70, approximately 17.5 miles to lease road on the left (north) side. Turn left on road and drive to the Jervis AYB Federal #1 well. The access road is staked on the east side of this location going east for approximately 973.2' (on the north side of a Agave Pipeline). The road will then turn north for approximately 1,114' SE corner of the location.

PLANNED ACCESS ROAD:

- A. The proposed new access will be approximately 2087.2' in length from the point of origin to the southeast corner of the drilling pad. The road will lie in a east to west direction, then a north to south direction.
- B. The new road will be 14 feet in width (driving surface) and will be adequately drained to control runoff and soil erosion.
- C. Existing roads will be maintained in the same or better condition.

LOCATION OF EXISTING WELL:

- A. There is drilling activity within a one-mile radius of the wellsite.
- B. Exhibit D shows existing wells within a one-mile radius of the proposed wellsite.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

- A. There are production facilities on this lease at the present time.
- B. In the event that the well is productive, the necessary production facilities will be installed on the drilling pad. If the well is productive oil, a gas or diesel self-contained unit will be used to provide the necessary power. No power will be required if the well is productive of gas.

Dorothy VO Federal #3 Page 2

5. LOCATION AND TYPE OF WATER SUPPLY:

A. It is planned to drill the proposed well with a fresh water system. The water will be obtained from commercial sources and will be hauled to the location by truck over the existing and proposed roads shown in Exhibit A.

6. SOURCE OF CONSTRUCTION MATERIALS:

Dirt contractor will locate nearest pit and obtain any permits and materials needed for construction.

METHODS OF HANDLING WASTE DISPOSAL:

A. Drill cuttings will be disposed of in the reserve pits.

B. Drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry.

C. Water produced during operations will be collected in tanks until hauled to an approved disposal system, or separate disposal application will be submitted.

D. Oil produced during operations will be stored in tanks until sold.

E. Current laws and regulations pertaining to the disposal of human waste will be complied with.

F. All trash, junk, and other waste materials will be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not approved.

8. ANCILLARY FACILITIES: NONE

9. WELLSITE LAYOUT:

- A. Exhibit C shows the relative location and dimensions of the well pad, the reserve pits, the location of the drilling equipment, rig orientation and access road approach.
- B. The reserve pits will be plastic lined.
- C. A 400' x 400' area has been staked and flagged.

10. PLANS FOR RESTORATION:

- A. After finishing drilling and/or completion operations, all equipment and other material not needed for further operations will be removed. The location will be cleaned of all trash and junk to leave the wellsite in as aesthetically pleasing a condition as possible.
- B. Unguarded pits, if any, containing fluids will be fenced until they have dried and been leveled.
- C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the Bureau of Land Management will be complied with and will be accomplished as expeditiously as possible. All pits will be filled level after they have evaporated and dried.

Dorothy VO Federal #3 Page 3

11. SURFACE OWNERSHIP: Carl Cooper

Cooper Revocable Trust

P.O. Box 2148

Roswell, New Mexico 88202

An agreement has been reached concerning surface damage.

12. OTHER INFORMATION:

- A. Topography: Refer to the existing archaeological report for a description of the topography, flora, fauna, soil characteristics, dwellings, historical and cultural sites.
- B. The primary surface use is for grazing.

13. OPERATOR'S REPRESENTATIVE:

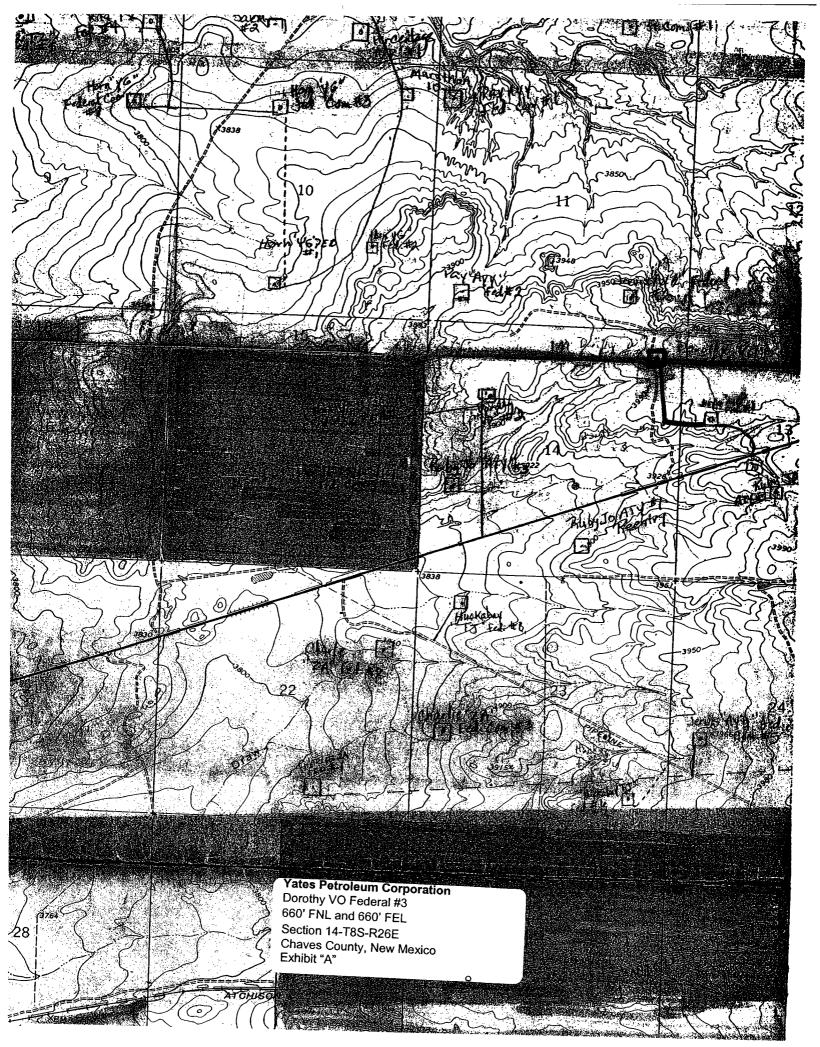
- A. Through A.P.D. Approval:
 Robert Asher, Permit Agent
 Yates Petroleum Corporation
 105 South Fourth Street
 Artesia, New Mexico 88210
 Phone (505) 748-1471
- B. Through Drilling, Completions & Prod. Pinson McWhorter, Operations Manager Yates Petroleum Corporation 105 South Fourth Street Artesia, 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.

12/1/2003

Regulatory Agent



SECTION 13, TOWNSHIP 8 SOUTH, RANGE 26 EAST, NMPM, CHAVES COUNTY, NEW MEXICO. Kadio 1 3803 Tower onesome 1,943. ıøî∶r 70 WII C N.84°23'W., 473.2' 0.23 JERVIS "AYB" FEDERAL #1 h 0+00% IL AGAVE PIPELINE 1 1 1 1 1 40*22*1% 3990, PRIVATE

DESCRIPTION:

A LEASE ROAD RIGHT OF WAY 30 FEET WIDE, BEING 15 FEET TO THE LEFT AND RIGHT OF THE FOLLOWING DESCRIBED SURVEY CENTERLINE:

BEGINNING AT STA.0+00, A POINT LOCATED AT THE SOUTHWEST CORNER OF THE EXISTING YATES JERVIS FEDERAL #1 WELL AND BEARING S.13'40'E., 2,047.4 FEET DISTANT FROM THE NORTHWEST CORNER OF SECTION 13. TOWNSHIP 8 SOUTH, RANGE 26 EAST, NMPM, CHAVES COUNTY, NEW MEXICO; THENCE N.84°23'W., 473.2 FEET, ALONG THE NORTH SIDE OF AN EXISTING AGAVE PIPELINE RIGHT OF WAY, TO STA.4+73.2, A POINT LOCATED S.0'23'E., 1,943.1 FEET DISTANT FROM THE NORTHWEST CORNER OF SAID SECTION 13.
Yates Petroleum Corporation

473.2 FEET = 28.6788 RODS, MORE OR LESS.

Dorothy VO Federal #3 660' FNL and 660' FEL

Section 14-T8S-R26E Chaves County, New Mexico

Exhibit "A-1"

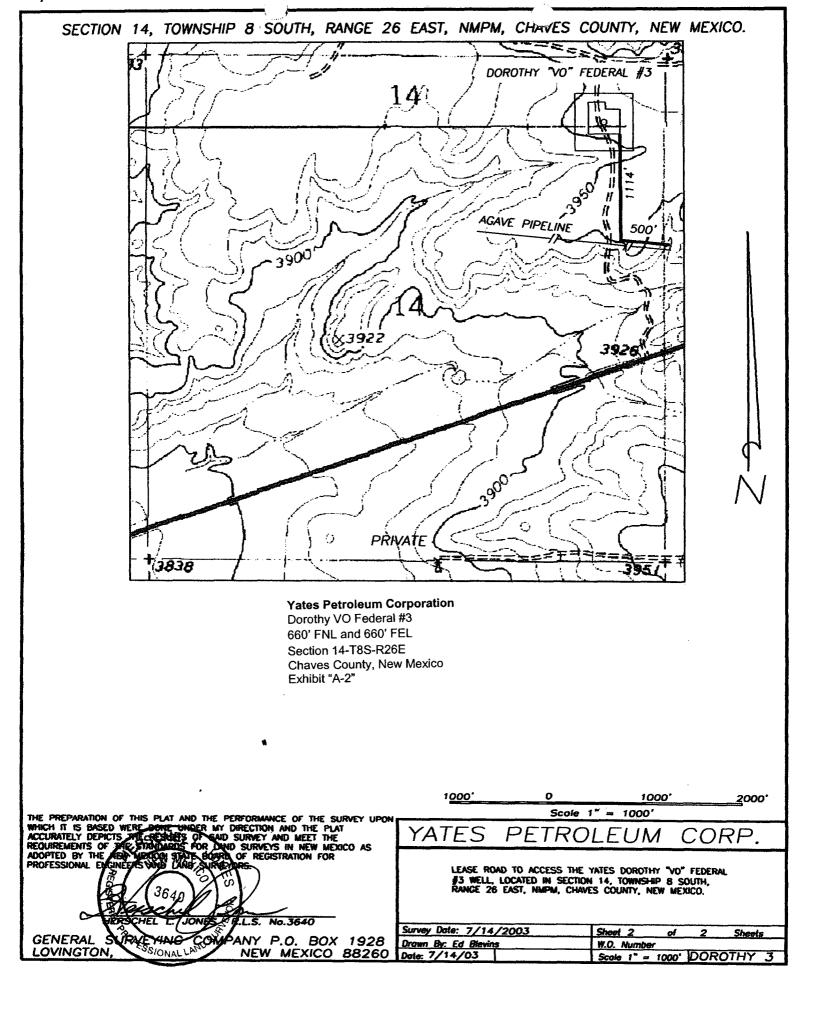
1000 1000' <u>2</u>000° Scale. 1" = 1000'

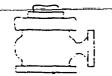
THE PREPARATION OF REFORMANCE OF THE SURVEY UPON HE PERFORMANCE OF THE SOUTH BY DIRECTION AND THE PLAT
SAID SURVEY AND MEET THE
CANDISSIRVEYS IN NEW MEXICO AS
OWN OF REGISTRATION FOR WHICH IT IS BASED WERE ACCURATELY DEPICTS THE REQUIREMENTS OF ADOPTED BY THE PROFESSIONAL EN STATE

GENERAL SURVEYING COMPANY P.O. BOX 1928 LOVINGTON. NEW MEXICO 88260 YATES EUM PETROL

> LEASE ROAD TO ACCESS THE YATES DOROTHY "VO" FEDERAL #3 WELL, LOCATED IN SECTION 14, TOWNSHIP 8 SOUTH, RANGE 26 EAST, NMPM, CHAVES COUNTY, NEW MEXICO.

Survey Date: 7/14/2003 Sheet 1 Drawn By: Ed Blevins W.O. Number Scole 1" = 1000' DOROTHY 3

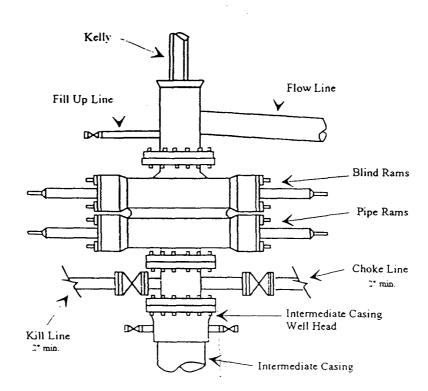




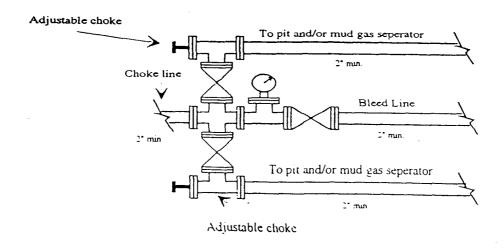
Yates Petroleum Corporation Dorothy VO Federal #3 660' FNL and 660' FEL Section 14-T8S-R26E Chaves County, New Mexico Exhibit "B"

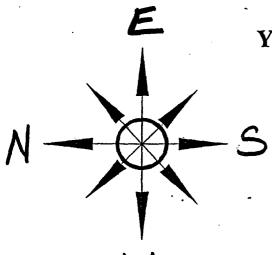
Yates Petroleum Corporation

Typical 2,000 psi Pressure System
Schematic
Double Ram Preventer Stack



Typical 2,000 psi choke manifold assembly with at least these minimun features





Yates Petroleum Corporation Location Layout for Permian Basin

Up to 12,000'

Yates Petroleum Corporation

Dorothy VO Federal #3 660' FNL and 660' FEL Section 14-T8S-R26E Chaves County, New Mexico Exhibit "C"

-260 ft-Access Road -125 ft--135 ft Mud Logger Trailer 125 ft 165 ft Flare Pit 325 ft Operator Rig Trailer Reserve Pit 10' Deep Mud pumps, Tool tanks, cleaning 175 ft Pushers 160 ft equipment trailer Fuel & Water Tanks → 60 ft> -125 ft--335 ft-Distance from Well

Head to Reserve Pit will vary between rigs

The above dimension should be a maximum

Rugal v	**CoHerson Fed *** U.S. 2.9Mil.	"Michael Eric" U.S.	J M Estes	u.s.	J.S Widenstel	Nellie Widen,etal H.W.Fa
vens Oper.	Pecos River Oper, Inc.	McKay 0:1 Res.	Excores. ENicor S.Dunn	Exco Res	Stevens Oil etgi Yatas Pet etgi	Yates Pet at
Yamand " Yarch (S) HBC	022 504	DEKALB	School Street St	9 1 09	306 18 2 2 2007 2 3 7007 2 5 7007 2 5 7007 2 4 2007	2-15-2007 2-4-2 2-18-2007 PEC
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ss River Oper, Inc to 4500' (Sun)		1 1000 FI	IL and 660' FEL 114-T8S-R26E	«co YotesPet 3P etal 2- 1124-2008	1 30	Hanagan Pet
022584 (Prince)_1	"Atkins" "Stevens-Pedco"	Chaves	County, New Mexico		4156 4 KSM Ca.,etci	70 6766 0/4 9 27 78
un-Fed" \$2 U. S.	Nichols - 15 Nat. Bnk Roswell Dale Fed. White Oak Roy Co	호 ¹⁴ 4.7Mil. : Exhibit	υ 	Vates i Ounn Vales Pol	U.S Marie Metantes d R.B. Fairt ath 12 4019	Morie McCanles ;
Her *	R.L.Dale (S.E. Nichols) Pecos River Oper, Inc. 7 067811 Pecos River Oper, Inc. 123 Mail	Durin Dale-Fed Exco Res., S/R TO (299 0/A 3-4-66 (Coda Ener.) 21493	Yotes Pet. S.SMii HBP Pet. Dev. Corp. 18962	Pel V Hanson etal	Stevens Oi Yates Pet et al 4 \ 1 \ 2007 2 \ 10 \ 2007 2 \ 10 \ 2007 2 \ 4 \ 2007 2 \ 4 \ 2007 2 \ 4 \ 2007 2 \ 4 \ 2007 2 \ 4 \ 2007 2 \ 4 \ 2007 3 \ 2007 3 \ 2007	Yales Pet., etal Stev 8 6 2007 Jenr 8 20 2007 702
faiai #Jarnes → "St-Levers	Pecus River Op 12 JMM. Pecus River Op 12 JMM. Wichols Dode Fed (wic Disc.) 4 Pes substroot Traizos D Lice	#2.4 2.5Mil.#1.4	, , , , , , , , , , , , , , , , , , , ,	Calto Oil,etal LG 1459	40.63 2 2 15. 2007	Flag-Redfern∜8 N.M.OsageCorp*; Charlotte Allen 72 o
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