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



WITNESS		Of 1	VI/16 C	TH CEAHOROA!	ii/tw∕iibmbe/		
CARING MUST BE CIRCULATED				REQUIREMENTS			
				L SUBJECT TO	N A A LID		
States any false, fictitious or fraudulent statements or representati	ons as to any matte	•			· · · · · · · · · · · · · · · · · · ·		
Fitle 18 U S C Section 1001 and Title 43 U S C. Section 1212, mg				ully to make to any departme	ent or agency of the Unite		
Conditions of approval, if any, are attached							
operations thereon	n noids legal or equ	madie une to thos	e rights in th	ie subject lease which would	entitle the applicant to c		
Application approval does not warrant or certify that the applican	t holds legal on se	WELL FIELD	OFFICE	es subject lesses which are 11	ontitle the seed seed		
Title Assistant Field Manager,	Office			APPROVE	FOR 2 YEARS		
Approved By (Signature) /S/ Angel Mayes	Ang	7 1	125	Date	IL 2 1 2009		
Regulatory Agent - debbiec@ypcnm.com	Name (Printed/	Tunad)		In.i.			
Title Parallelan Apart Jabbia	•	<u> </u>					
Waldres Colloss.			Debbie L	. Caffall	10/14/2008		
23 Signature.	Name (Printed/	Typed)		Date			
 A Surface Use Plan (if the location is on National Forest Sys SUPO shall be filed with the appropriate Forest Service Office 		5 Operator certi6 Such other sit authorized off	e specific inf	formation and/ or plans as ma	ny be required by the a		
2. A Drilling Plan 3. A Surface Lice Plan (of the location is on National Forest Size	otem Lende 41-	tem 20 above	*				
1. Well plat certified by a registered surveyor	l	4 Bond to cover	the operatio	ns unless covered by existing	g bond on file(see		
The following, completed in accordance with the requirements of	f Onshore Oil and	Gas Order No 1 s	hall be attach	ned to this form.			
	24 Atta		ROS	WELL CONTROLLED WATER	RBASIN		
3646' GR		ASAP	•		days		
21 Elevations (Show whether DF RT, GR, etc)	22. Apr	oximate date work	: will start*	23 Estimated duratio	n		
applied for, on this lease, ft. None		6,060'	31	NATIONWIDE BOND			
to nearest well, drilling, completed,	1,7,70	P wi		On the			
(Also to nearest drlg unit line, if any) 1000' 18 Distance from proposed location*	19 Pror	1441.14 NZ - 320 19 Proposed Depth 20 BLM/ BIA Bond No on file			C1 C2		
property or lease line, ft		1441 14	ĺ	N2 - 320 ac	rec		
location to nearest							
Approximately 12 miles, north/east of 15 Distance from proposed*	Approximately 12 miles, north/east of Roswell, New Mexico 5 Distance from proposed* 16 No. of acres in lease 17			acing Unit dedicated to this v			
- Annrayimately 12 miles north/east at	f Roswell. New M.	exico		Chaves	NM		
14. Distance in miles and direction from the nearest town or post				12 County or Parish	13. State		
At proposed prod. zone	Same as above						
945' FNL and 1950	' FEL, Unit B (N	WNE)		Section 28, T	10S-R26E		
At surface	<i>жин ину мине Гец</i>	an ements ')		i. Sec., I, K, M., Of BIK	And Survey of Area		
105 South 4th Street, Artesia, NM 88210-2118 4 Location of well (Report location clearly and In accordance	, I	575-748-1471		Precami			
	· ·	ŕ			•		
Yates Petroleum Corpo 3a Address		nclude area code)		10. Field and Pool, or Exploratory			
z. Name of Operator				2. All was no	C / (1111		
Type of Well Oil Well X Gas Well Other Name of Operator	Single Zo	one Multip	le Zone	Wanda ZT Fed 9. API Well No	erai Com. #2		
			. ~	8 Lease Name and Well N	-		
1a. Type of Work. X DRILL	REENTER			7. If Unit or CA Agreement, Name and No			
				7 1011	127		
APPLICATION FOR PERMIT TO	DRILL OR RE	ENTER		6. If Indian, Allottee or Tr	ibe Name		
BUREAU OF LAND MAN				NM-21	494		
DEPARTMENT OF THE		001 - 0 70	00	5 Lease Serial No.			
(April 2004) UNITED STAT	FS	JUL 23 20	na	OMB NO. 10 Expires: Marc			
Form 3160-3				FURM AFF			

State of New Mexico

DISTRICT I 1625 N. FRENCH DR., HOBBS, NM 88240

Energy, Minerals and Natural Resources Department

Form C-102

Revised October 12, 2005 Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

DISTRICT II 1301 W. GRAND AVENUE, ARTESIA, NM 88210

DISTRICT III

OIL CONSERVATION DIVISION 1220 SOUTH ST. FRANCIS DR. Santa Fe, New Mexico 87505

"1000 Rio Brazos Rd., Aztec, NM 87410

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

DISTRICT IV

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

	API Number	Pool Code	Pool N]
	30-005-64116	76730	Devoni	^{an} Foor	Ranch: Prefer	mia
J	Property Code	Property Name			Well Number]
	37766	WANDA ZT FEDERAL COM			2	
	OGRID No.	Oper	ator Name		Elevation	1
	25575	YATES PETROLI	EUM CORPORATION		3646'	

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
В	28	10-S	26-E		945	NORTH	1950	EAST	CHAVES

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres Joint or Infill Consolidation Code Order No.									
320 N/2					•				,

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

N Y= X= LAT.= LONG. LAT.=	 3649 7' \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1950' 1950	OPERATOR CERTIFICATION I hereby certify that the information herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unlessed mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature Debbie L. Caffall Printed Name 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.
1			Date Surveyed JC Signature & Self MEX Professional Surveyor JC 3239 Certificate Na. GARY EDSON 12641 RONALD EIDSON 3239

YATES PETROLEUM CORPORATION Wanda ZT Federal Com. #2

945' FNL and 1950' FEL, Unit B (NWNE) Section 28-T10S-R26E Chaves County, New Mexico

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

Queen	385'	Wolfcamp	4985'
Penrose	470'	Wolfcamp B	5080'
Grayburg	660'	Spear ·	5320'
San Andres	900'	Cisco	5550'
Glorieta	2000'	Strawn	5655'
Yeso	2125'	Silurian-Devonian	5680'
Tubb	3550'	Precambrian	5960'
ABO	4265'	TD	6060'

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

Water: 50'

Oil or Gas: 385', 470', 660', 900', 4265', 4985', 5080', 5320', 5550', 5655', & 5680'.

- 3. Pressure Control Equipment: BOPE will be installed on the 11 3/4" 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.
- 4. 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.
- 5. THE PROPOSED CASING AND CEMENTING PROGRAM:

A. Casing Program:

<u>Hole Size</u>	Casing Size	Wt./Ft	<u>Grade</u>	Coupling	Interval	<u>Length</u>
14 3/4"	11 3/4"	42.0#	H-40	ST&C	0-600'	600'
11"	8 5/8"	24.0#	J-55	ST&C	0-1600'	1600'
7 7/8"	5 ½"	15.5#	J-55	LT&C	0-6060'	6060'

- 1. Minimum Casing Design Factors: Collapse 1.125, Burst 1.0, and Tensile Strength 1.8
- 2. Drill out from surface casing with 7 7/8" hole to 1600'. If lost circulation is encountered, make decision to set cement plug or ream hole to 11" and set 8 5/8" intermediate casing. If intermediate casing is not run, continue drilling 7 7/8" hole to TD where 5 ½" casing will be set and cemented to surface.

B. CEMENTING PROGRAM:

Surface Casing: 400 sacks class "C" + 2% CaCl2 (WT 14.80 YLD 1.32). Cement to surface.

Wanda ZT Federal Com. #2 Page Two

Intermediate Casing: 250 sacks "C" + 2% CaCl2 (WT 14.80 YLD 1.32). Top of Cement 1000'

Production Casing: Lead in with 500 sacks LiteCrete (WT 9.93 YLD 2.66). Tail in with 550 sacks PecosVILt (WT 13.00 YLD 1.41). Cement to surface.

6. MUD PROGRAM AND AUXILIARY EQUIPMENT:

Interval	<u>Type</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>
0-600'	FW Gel	8.60-9.20	32-36	N/C
600' to 1600'	Fresh Water	8.40-8.40	28-28	N/C
1600' to 4200'	Brine Water	10.00-10.00	28-28	N/C
4200' to 6060'	SW Gel/Starch	9.60-10.00	45-55	4.0-6.0

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. Rig personnel will check mud hourly.

7. EVALUATION PROGRAM:

Samples: 10' Samples from Surface casing to TD

Logging: Platform Express; CNL-LDT/NGT TD-Surf Csg; CNL/GR TD-Surf; DLL/MSFL

TD-Surf Csg; BCH Sonic TD-Surf Csg.

Coring: None anticipated

DST's: None Mudlogging: Yes

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

Abnormal Pressures Anticipated: None

Lost Circulation Zones Anticipated: None.

H2S Zones Anticipated: None Anticipated

Maximum Bottom Hole Temperature: 120 F

9. ANTICIPATED STARTING DATE:

Plans are to drill this well as soon as possible after receiving approval. It should take approximately 45 days to drill the well with completion taking another 20 days.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN YATES PETROLEUM CORPORATION Wondo 77 Fodoral Com. #2

Wanda ZT Federal Com. #2

945' FNL and 1950' FEL, Unit B (NWNE) Section 28-T10S-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.

EXISTING ROADS:

Exhibit A – A-7 maps showing the well and roads in the vicinity of the proposed location. Some of the proposed access route is off lease which will require a Federal ROW Grant. A Form 299 will be submitted. The proposed well site is located approximately 12 miles north/east of Roswell, New Mexico and the access route to the location is indicated in red and green on Exhibit A-2.

DIRECTIONS:

FROM THE INTERSECTION OF HWY. #380 AND ALAMO RD., GO NORTH ON ALAMO RD. (CALICHE RD.) APPROXIMATELY 1.8 MILES. TURN RIGHT AT HACHITA ROAD AND GO NORTHEAST APPROXIMATELY 1.1 MILES; TURN RIGHT (BEFORE CATTLE GUARD) AND GO SOUTHEAST APPROXIMATELY 0.8 MILES; TURN RIGHT AT INTERSECTION AND GO SOUTHEAST APPROXIMATELY 0.2 MILES. VEER RIGHT AND GO SOUTH APPROXIMATELY 0.4 MILES; VEER RIGHT AND GO SOUTHWEST APPROX. 0.5 MILES; TURN LEFT AND GO SOUTHEAST APPROXIMATELY 0.1 MILE; VEER LEFT AND GO EAST APPROXIMATELY 0.1 MILE; VEER LEFT AND GO EAST-NORTHEAST APPROXIMATELY 0.5 MILES TO A PROPOSED ROAD SURVEY. FOLLOW ROAD SURVEY NORTH APPROXIMATLEY 1200 FEET TO THIS LOCATION.

2. PLANNED ACCESS ROAD:

- A. The proposed new access will be approximately 1,247.7' in length from the point of origin to the northeast corner of the drilling pad.
- B. The new road will be 14 feet in width (driving surface) and will be adequately drained to control runoff and soil erosion.
- C. The new road will be bladed with drainage on both sides. One traffic turnout may be needed.
- D. The route of the road is visible.
- E. Existing roads will be maintained in the same or better condition.
- F. Turning East Prior to Corrals (2) cattle guards with gates at existing gate areas will be installed. (Located approximately in the SWNW in Section 28, T10S-R26E)

3. LOCATION OF EXISTING WELL:

- A. There is no drilling activity within a one-mile radius of the well site.
- B. Exhibit D shows existing wells within a one-mile radius of the proposed well site.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES:

- A. There are production facilities on this lease at the present time.
- B. If the well is productive oil, a gas or diesel self-contained unit will be used to provide the necessary power until an electric line can be built, if needed. Power should not be required if the well is productive of gas.
- C. Should a Pipeline Right-Of-Way be required it will be filed under a separate application and/or by 3rd party if applicable.

Wanda ZT Federal Com. #2 Page Two

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 – A-7.

6. SOURCE OF CONSTRUCTION MATERIALS:

The dirt contractor will be responsible for finding a source of material for construction of road and pad and will obtain any permits that may be required.

7. METHODS OF HANDLING WASTE DISPOSAL:

- A. Drill cuttings will be collected in tanks until hauled to an approved disposal system.
- B. A closed loop system will be constructed, maintained and closed in compliance with the State of New Mexico, Energy and Natural Resources Department, Oil Conservation Division—the "Pit Rule" 19.15.17 NMAC. Form C-144 attached Exhibit E.
- C. Drilling fluids will be removed after drilling and completions are completed.
- D. Water produced during operations will be collected in tanks until hauled to an approved disposal system, or separate disposal application will be submitted.
- E. Oil produced during operations will be stored in tanks until sold.
- F. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- G. 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 closed loop design plan, the location of the drilling equipment, orientation and access road approach. (approximately 4.5 acres)
- B. The closed loop system will be constructed, maintained, and closed in compliance with the State of New Mexico, Energy and Natural Resources Department, Oil Conservation Division the "Pit Rule" 19.15.17 NMAC. Form C-144 is attached Exhibit E.
- C. A 600' x 600' 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 well site in as aesthetically pleasing a condition as possible.
- B. If the proposed well is plugged and abandoned, all rehabilitation and/or vegetation requirements of the Bureau of Land Management will be complied with and will be accomplished as expeditiously as possible.

Wanda ZT Federal Com. #2 Page Three

11. SURFACE OWNERSHIP: Fee Surface

Gents Cattle Company, Inc. #7 Berrendo Meadows Circle Roswell, NM 88201

A surface use and compensation agreement have been entered into between Gents Cattle Company, Alfonso Caballero and Yates Petroleum Corporation, executed on March 11th, 2008 referenced by recorded Memorandum of Surface Use Agreement, Chaves County, New Mexico; Book 0612 Page 0527.

Minerals: NM-21494

Federal - Administered by Bureau of Land Management, Roswell Field Office,

2909 W. Second Street, Roswell, NM 88201-2019 Phone: 575-627-0272 FAX: 575-627-0276

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.

Exhibits Attached

Exhibit A – A7 Topo/Vicinity Maps

Exhibit B – Pressure System

Exhibit C - C1 Location Layout

Exhibit D -One Mile Radius

Exhibit E - Form C-144

CERTIFICATION

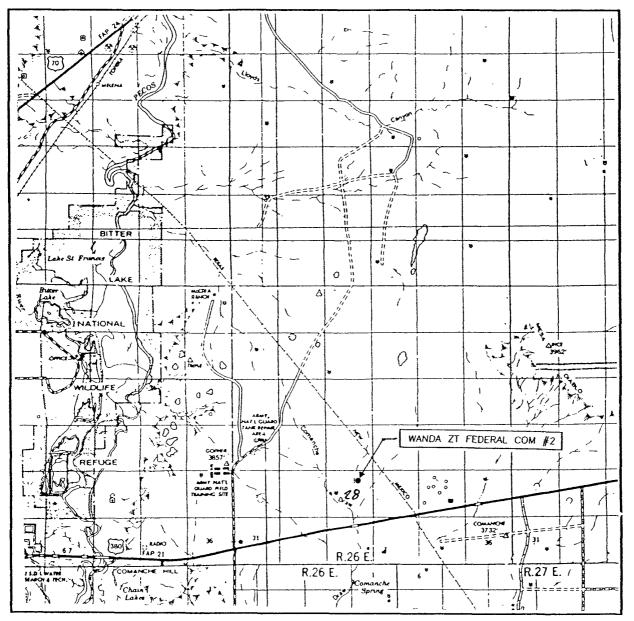
YATES PETROLEUM CORPORATION Wanda ZT Federal Com. #2

945' FNL and 1950' FEL, Unit B (NWNE) Section 28-T10S-R26E Chaves County, New Mexico

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I or other company representatives have full knowledge of state and federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Executed this 14th day of October , 2008.					
Name Debbie L. Caffall					
Signature Webbie & Calloll'					
Position Title Regulatory Agent/Land Department					
Address 105 South Fourth Street 88210					
E-mail (optional) <u>debbiec@ypcnm.com</u>					
Telephone <u>575-748-4376</u> or 365-5022					
Field Representative (if not above signatory) Tim Bussell					
Address (if different from above) Same					
Telephone (if different from above) 575-748-4221					
E-mail (optional)					

VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 28 TWP. 10-S RGE. 26-E

SURVEY N.M.P.M.

COUNTY CHAVES STATE NEW MEXICO

DESCRIPTION 945' FNL & 1950' FEL

ELEVATION 3646'

YATES

OPERATOR PETROLEUM CORPORATION

LEASE WANDA ZT FEDERAL COM

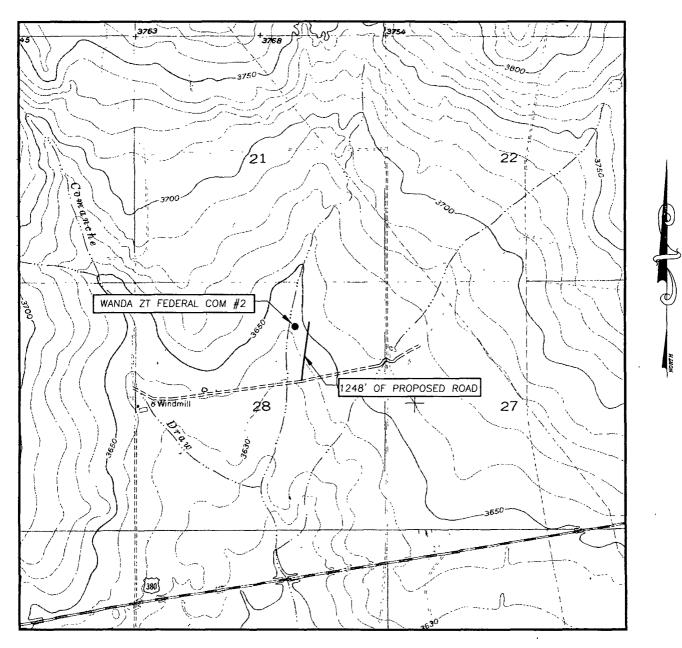


PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(505) 393-3117

Wanda ZT Federal Com #2 Section 28, T10S-R26E Chaves County, New Mexico Exhibit "A"



LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

COMANCHE SPRING, N.M.

SEC. 28 TWP. 10-S RGE. 26-E

SURVEY N.M.P.M.

COUNTY CHAVES STATE NEW MEXICO

DESCRIPTION 945' FNL & 1950' FEL

ELEVATION 3646'

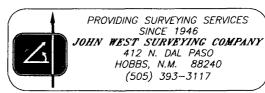
YATES

OPERATOR PETROLEUM CORPORATION

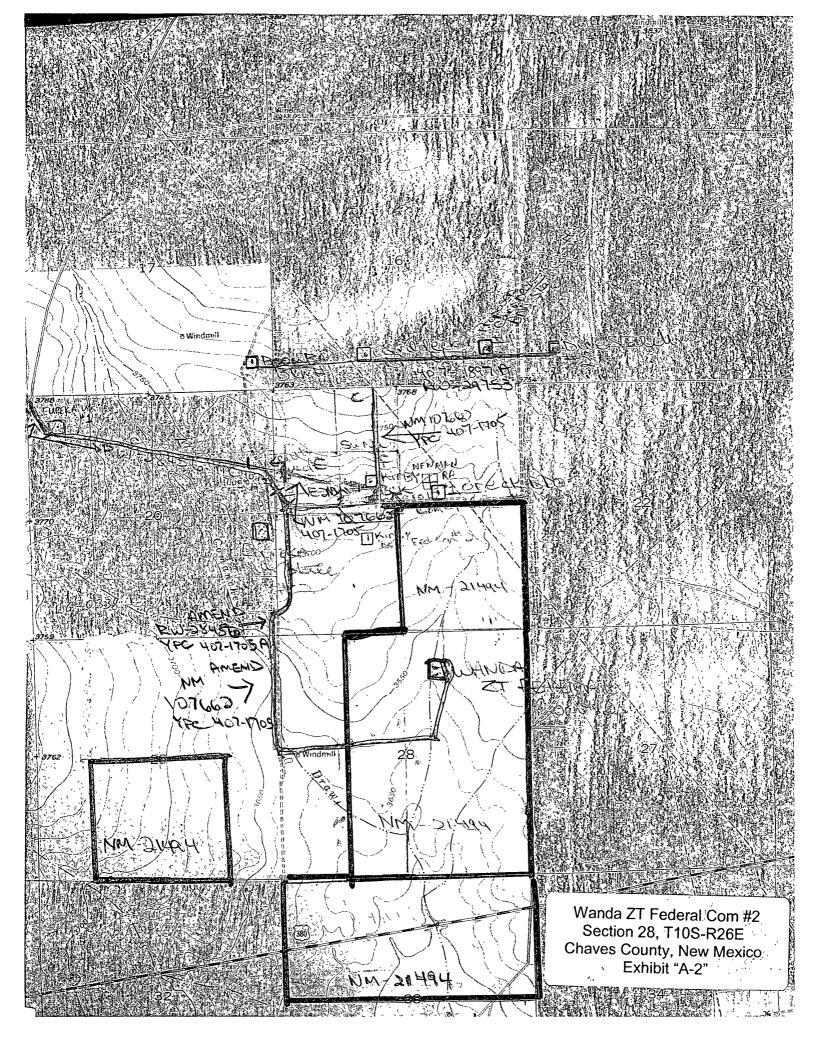
LEASE WANDA ZT FEDERAL COM

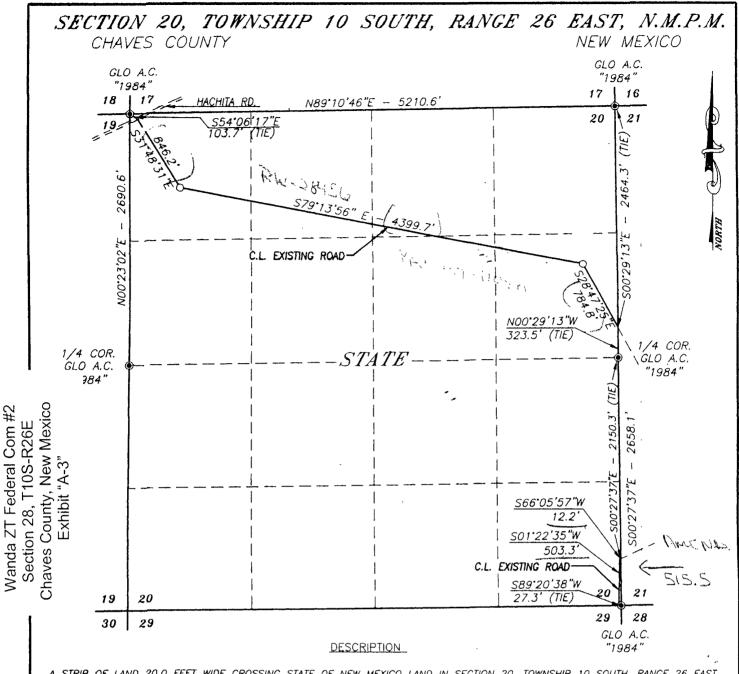
U.S.G.S. TOPOGRAPHIC MAP

CONTOUR INTERVAL: COMANCHE SPRING, N.M. - 10'



Wanda ZT Federal Com #2 Section 28, T10S-R26E Chaves County, New Mexico Exhibit "A-1"





A STRIP OF LAND 20.0 FEET WIDE CROSSING STATE OF NEW MEXICO LAND IN SECTION 20, TOWNSHIP 10 SOUTH, RANGE 26 EAST, NMPM, CHAVES COUNTY, NEW MEXICO AND BEING 10.0 FEET RIGHT AND 10.0 FEET LEFT OF THE FOLLOWING DESCRIBED CENTERLINE SURVEY:

BEGINNING AT A POINT IN THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 20, WHICH LIES \$54'06'17'E 103.7 FEET FROM THE NORTHWEST CORNER OF SAID SECTION 20; THEN \$31'48'31"E 846.2 FEET; THEN \$79'13'56"E 4399.7 FEET; THEN \$28'47'25"E 784.8' TO A POINT ON THE EAST LINE OF SAID SECTION 20, WHICH LIES NOO'29'13"W 323.5 FEET FROM THE EAST QUARTER CORNER OF SAID SECTION 20. AND ALSO, BEGINNING AT A POINT IN THE SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SAID SECTION 20, WHICH LIES \$00'27'37"E 2150.3 FEET FROM THE EAST QUARTER CORNER OF SAID SECTION; THEN \$66'05'57"W 12.2 FEET; THEN \$01'22'35"W 503.3 FEET TO A POINT ON THE SOUTH LINE OF SAID SECTION 20, WHICH LIES \$89'20'38"W 27.3 FEET FROM THE SOUTHEAST CORNER OF SAID SECTION 20

SAID STRIP OF LAND BEING 6546.2 FEET OR 396.74 RODS IN LENGTH, CONTAINING 3.006 ACRES MORE OR LESS AND BEING ALLOCATED BY FORTIES AS FOLLOWS:

98.21 RODS OR 0.744 ACRES 80.18 RODS OR 0.608 ACRES 40.90 RODS OR 0.310 ACRES

NE/4 NW/4 NW/4 NE/4 SW/4 NE/4 SE/4 NE/4 40.30 RODS OR 0.305 ACRES 105.91 RODS OR 0.802 ACRES

31.24 RODS OR 0.237 ACRES

<u>NOTE</u>

BEARINGS SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATE SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983. DISTANCES ARE SURFACE VALUES.

LEGEND

DENOTES FOUND CORNER AS NOTED

1000 1000 2000 FEET Scale:1"=1000'

YATES PETROLEUM CORPORATION

CENTERLINE SURVEY OF AN EXISTING ROAD CROSSING SECTION 20. TOWNSHIP 10 SOUTH, RANGE 26 EAST, N.M.P.M. CHAVES COUNTY, NEW MEXICO

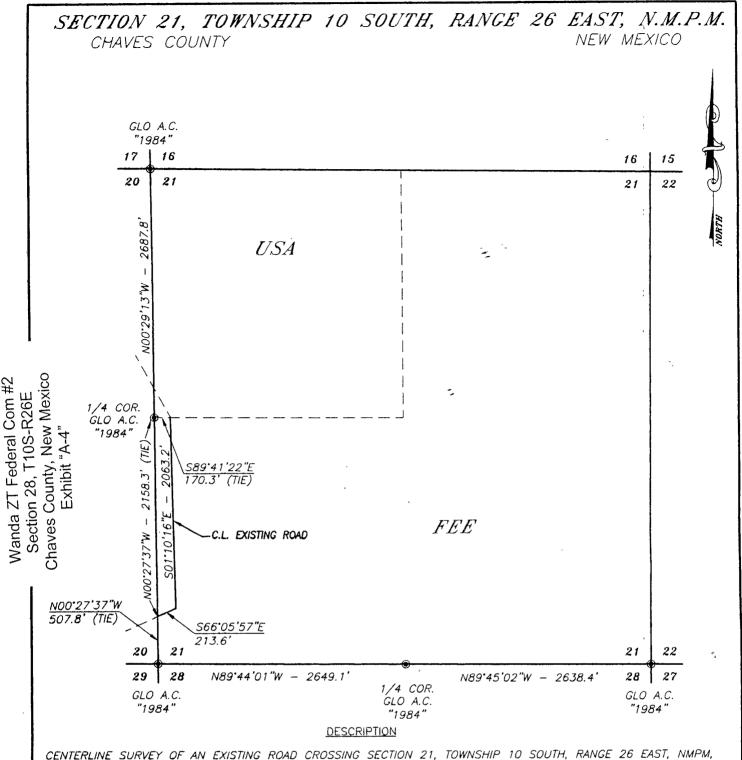
Survey Date: 10/1/08	Sheet 1 of 1 Sheets
W.O. Number: 08.11.1593	Drawn By: JC
Date: 10/3/08	08111593_road

I HEREBY CERTIES THIS SURVEY IS MY KNOWLEDGE AND PLAT MEET IGCIB NEW MEXICO. No. 12641 WAND FOR TOWN RONALD J. EIDSON No. 3239



PROVIDING SURVEYING SERVICES SINCE 1946 JOHN WEST SURVEYING COMPANY

412 N. DAL PASO HOBBS, N.M. 88240 (505) 393-3117



CENTERLINE SURVEY OF AN EXISTING ROAD CROSSING SECTION 21, TOWNSHIP 10 SOUTH, RANGE 26 EAST, NMPM, CHAVES COUNTY, NEW MEXICO AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE NORTH LINE OF THE SOUTHWEST QUARTER OF SAID SECTION 21 WHICH LIES \$89'41'22"E 170.3 FEET FROM THE WEST QUARTER CORNER OF SAID SECTION; THEN \$01'10'16"E 2063.2 FEET; THEN \$66'05'57"E 213.6 FEET TO A POINT ON THE WEST LINE OF SAID SECTION 21 WHICH LIES NO0'27'37"W 507.8 FEET FROM THE SOUTHWEST CORNER OF SAID SECTION.

TOTAL LENGTH EQUALS 2276.8 FEET OR 137.99 RODS

NOTE

BEARINGS SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATE SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983. DISTANCES ARE SURFACE

I HEREBY CERTIFE THAT I DIRECTED SAID AM
RESPONSIBLE FOR THIS SURVEY, THAP THIS SURVEY IS
RESPONSIBLE FOR THIS SURVEY, THAP THIS SURVEY IS
RUE AND CORRECT TO THE BEST OF MY KNOWLEDGE
AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET
THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO

10/08/08 RONALD J. EIDSON N. P.S. No. 12641 ٠₆5 SIONEL No. 3239



PROVIDING SURVEYING SERVICES
SINCE 1946 JOHN WEST SURVEYING COMPANY

412 N. DAL PASO HOBBS, N.M. 88240 (505) 393-3117

LEGEND

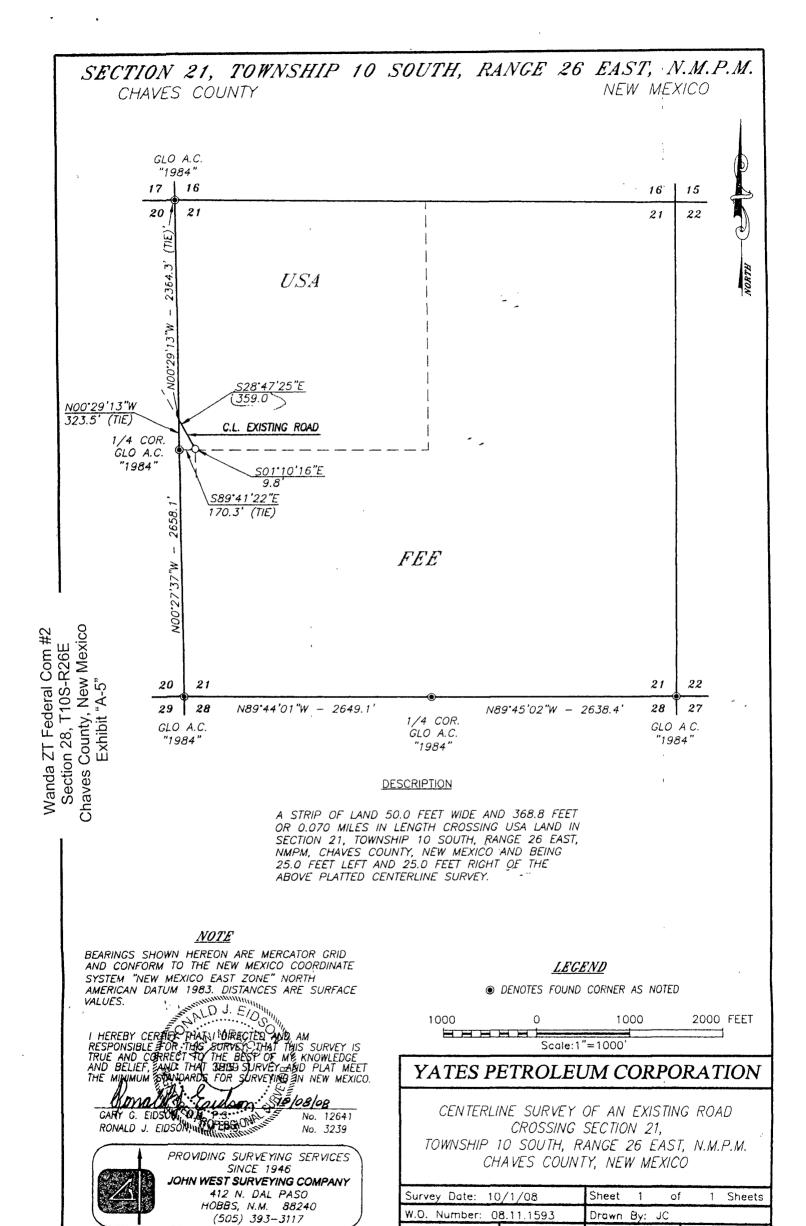
DENOTES FOUND CORNER AS NOTED

2000 FEET 1000 1000 Scale: 1"=1000"

YATES PETROLEUM CORPORATION

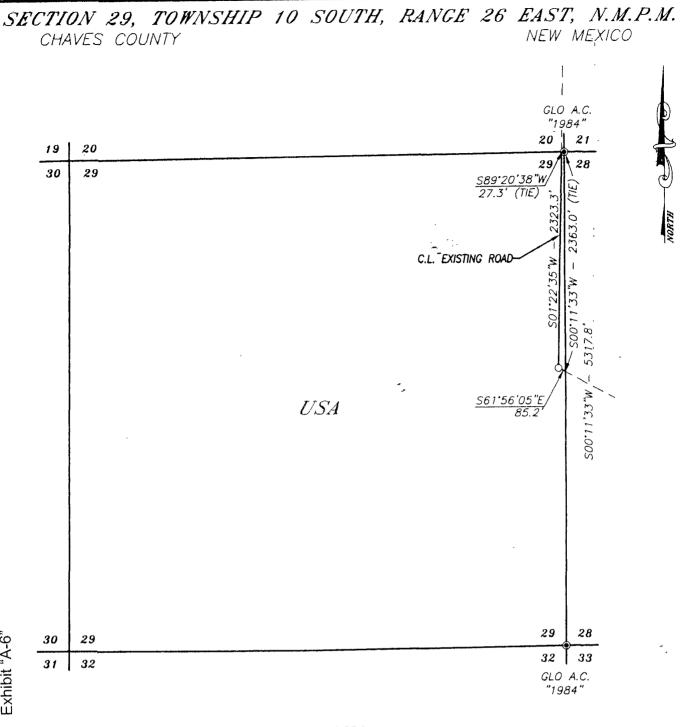
CENTERLINE SURVEY OF AN EXISTING ROAD CROSSING SECTION 21, TOWNSHIP 10 SOUTH, RANGE 26 EAST, N.M.P.M. CHAVES COUNTY, NEW MEXICO

Survey Date: 10/1/08	Sheet 1 of 1 Sheets
W.O. Number: 08.11.1593	Drawn By: JC
Date: 10/3/08	08111593_road



Date: 10/3/08

08111593_road



DESCRIPTION

A STRIP OF LAND 50.0 FEET WIDE AND 2408.5
FEET OR 0.456 MILES IN LENGTH CROSSING USA
LAND IN SECTION 29, TOWNSHIP 10 SOUTH, RANGE
26 EAST, NMPM, CHAVES COUNTY, NEW MEXICO AND
BEING 25.0 FEET LEFT AND 25.0 FEET RIGHT OF
THE ABOVE PLATTED CENTERLINE SURVEY.

NOTE

BEARINGS SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATE SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983. DISTANCES ARE SURFACE VALUES.

ET THAT I DIRECTED AND AM
DETHIS SURVEY IS
SECTION BY KNOWLEDGE
NOT THAT THIS SURVEY AND PLAT MEET
ANDARDS FOR SURVEYING IN NEW MEXICO. I HEREBY CERTLEY RESPONSIBLE FOR TRUE AND CORNEC AND BELIEF, AND THE MIXIMUM STAND

en lotos los GARY G. EIDEON N.M. P.S.
RONALD J. EIDEON N.M. P.S.

No. 12641 No. 3239



PROVIDING SURVEYING SERVICES SINCE 1946 JOHN WEST SURVEYING COMPANY

412 N. DAL PASO HOBBS, N.M. 88240 (505) 393—3117

LEGEND

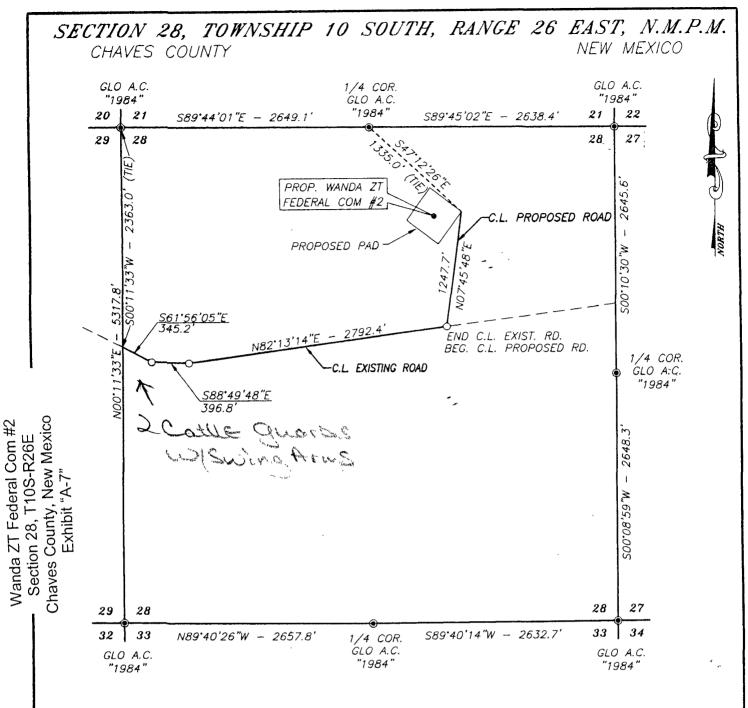
DENOTES FOUND CORNER AS NOTED

1000 Scale: 1"=1000'

YATES PETROLEUM CORPORATION

CENTERLINE SURVEY OF AN EXISTING ROAD CROSSING SECTION 29, TOWNSHIP 10 SOUTH, RANGE 26 EAST, N.M.P.M. CHAVES COUNTY, NEW MEXICO

1	Survey Date: 10/1/08	Sheet 1 of 1 Sheets
	W.O. Number: 08.11.1593	Drawn By: JC
	Date: 10/3/08	08111593_road



DESCRIPTION

CENTERLINE SURVEY OF AN EXISTING ROAD CROSSING SECTION 28, TOWNSHIP 10 SOUTH, RANGE 26 EAST, NMPM, CHAVES COUNTY, NEW MEXICO AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT ON THE WEST LINE OF THE NORTHWEST QUARTER OF SAID SECTION 28 WHICH LIES SOO'11'33"W 2363.0 FEET FROM THE NORTHWEST CORNER OF SAID SECTION; THEN S61'56'05"E 345.2 FEET; THEN S88'59'48"E 396.8 FEET; THEN N82'13'14"E 2792.4 FEET TO THE BEGINNING OF A PROPOSED ROAD SURVEY; THEN NO7'45'48"E 1247.7 FEET TO A POINT AT THE NORTHEAST CORNER OF PROPOSED WANDA ZT FEDERAL COM #2 WELL PAD, WHICH LIES S47'12'26"E 1335.0 FEET FROM THE NORTH QUARTER. CORNER OF SAID SECTION.

TOTAL LENGTH EQUALS 4782.1 FEET OR 289.82 RODS

NOTE

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I HEREBY CERTIES THAT I DIRECTED AND AM
RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS
TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE
AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET
THE MINIMUM STANDARDS EDGOSURVEYING AN NEW MEXICO.

GARY G. EIDSON M. P.S. No. 12641 RONALD J. EIDSON M. P.S. No. 3239



PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBS, N.M. 88240
(505) 393-3117

<u>LEGEND</u>

DENOTES FOUND CORNER AS NOTED

1000 0 1000 2000 FEET

Scale.1"=1000'

YATES PETROLEUM CORPORATION

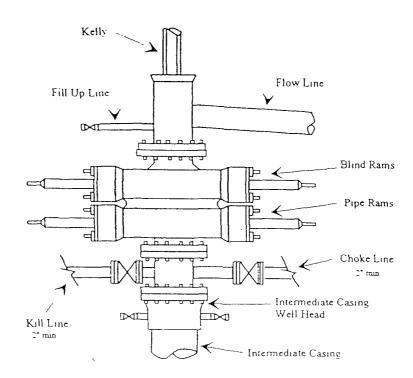
CENTERLINE SURVEY OF AN EXISTING ROAD CROSSING SECTION 28, TOWNSHIP 10 SOUTH, RANGE 26 EAST, N.M.P.M. CHAVES COUNTY, NEW MEXICO

Survey Date: 10/1/08	Sheet 1 of 1 Sheets	
W.O. Number: 08.11.1593	Drawn By: JC	
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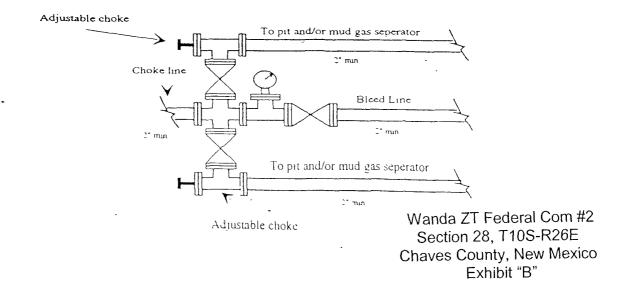
Yates Petroleum Corporation

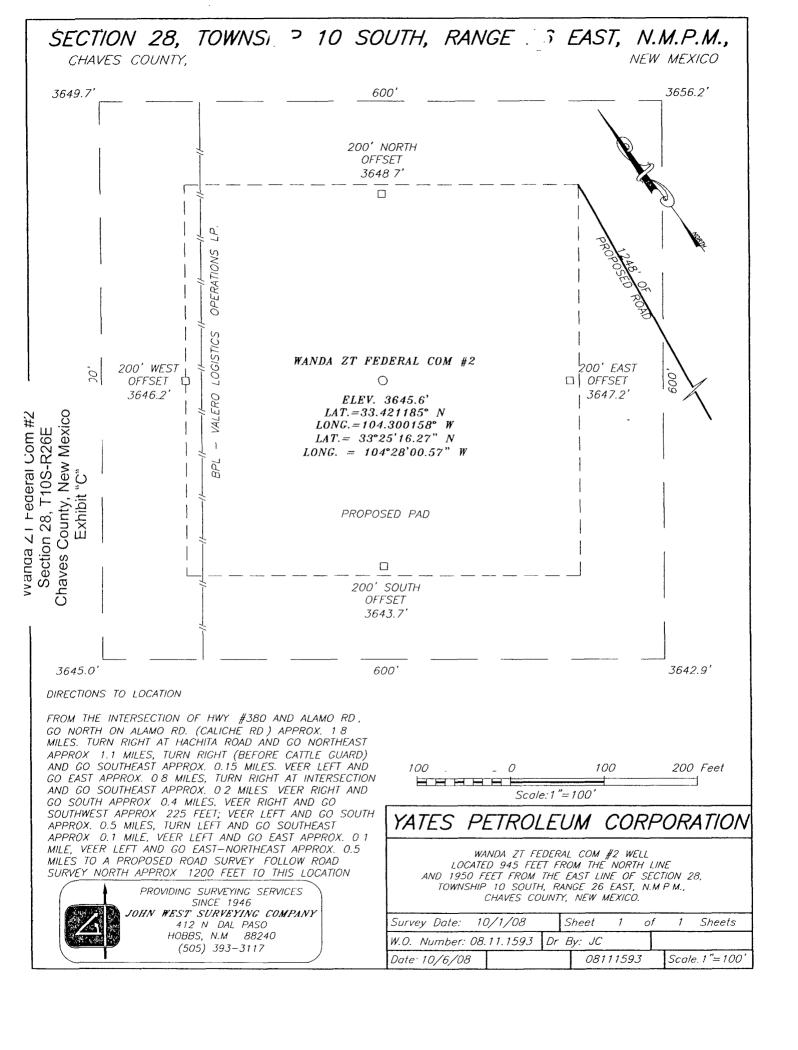


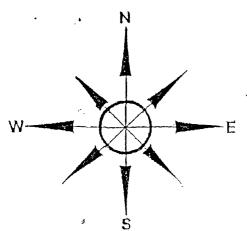
Typical 2,000 psi Pressure System
Schematic
Double Ram Preventer Stack



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





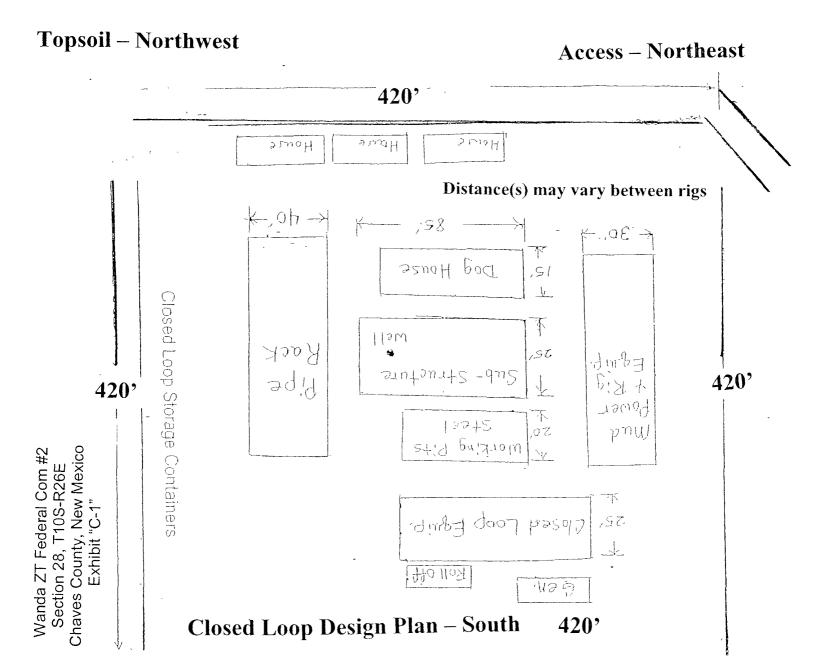


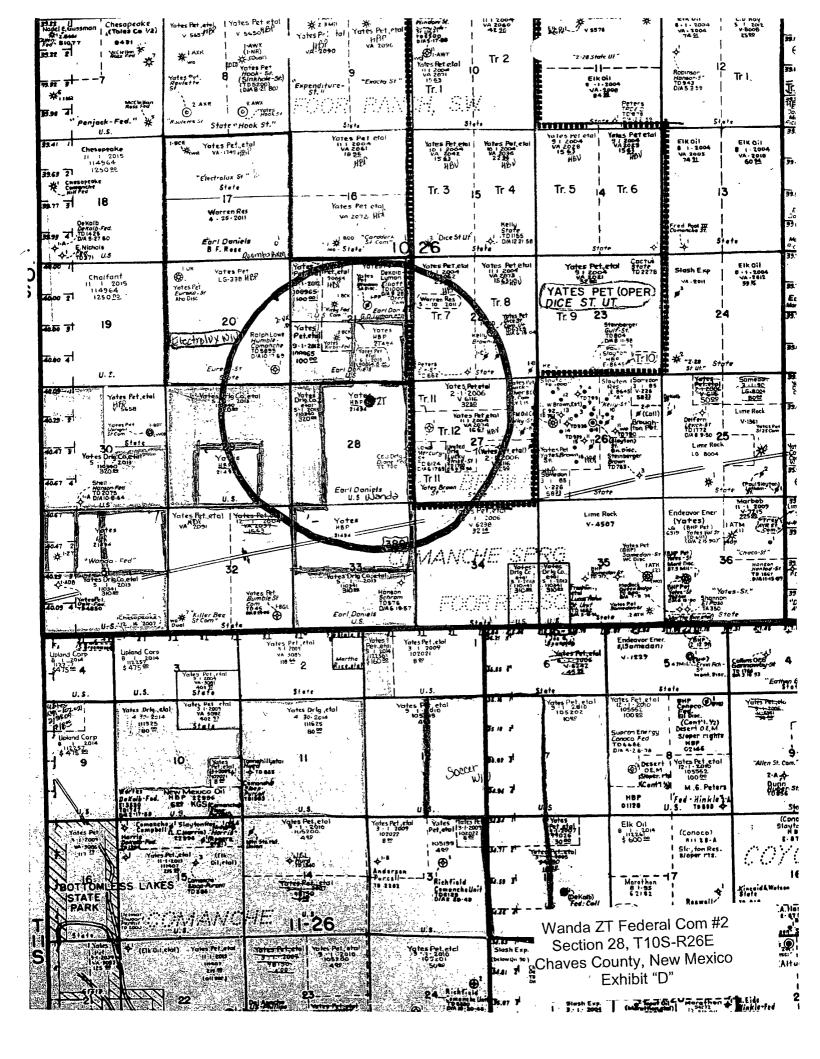
Yates Petroleum Corporation

Location Layout for Permian Basin Up to 12,000'

Not - To - Scale

The 420' x 420' dimension should be a maximum.





First National Bank ARTESIA, NEW MEXICO



YATES BUILDING • ARTESIA, N.M. 88210

2008

\$******4,000.00

PAY******4000*DOLLARS*AND*00*CENTS

134200 BUREAU OF LAND MANAGEMENT

ROSWELL

TO THE 2909 WEST SECOND STREET ORDER ROSWELL, NM 88201-2019)OF

#155935# #1/12200439#

69408810#

DETACH BEFORE DEPOSITING CHECK YATES PETROLEUM CORPORATION
105 SOUTH 4TH STREET ARTESIA, N.M. 88210

DLCZLEF

RÉCORDING/FILING FEES

FEDERAL FILING FEE FOR APPLICATION FOR PERMIT TO DRILL

WANDA ZI FEDERAL COM #2 SECTION 28, TIOS-R26E CHAVES COUNTY, NEW MEXICO \$4,000.00

No. 155935

FRANK W. YATES
1912-1985
FRANK W. YATES
1936-1986
S.P YATES
1914-2008



JOHN A. YATES
CHAIRMAN OF THE BOARD
PRESIDENT

DAVID LANNING
CHIEF OPERATING OFFICER

105 SOUTH FOURTH STREET ARTESIA, NEW MEXICO 88210-2118 TELEPHONE (575) 748-1471

As per BLM instructions, Yates Petroleum Corporation is tendering the \$4,000.00 APD Processing Fee for the Wanda ZT Federal Com #2 date submitted: October 14, 2008, Section 28, Township 10 South, Range 26 East, Chaves County, New Mexico.

Please be advised we are tendering this fee under protest as we believe it contradicts language in the Energy Policy Act of 2005 signed by President Bush.

PECOS DISTRICT - RFO CONDITIONS OF APPROVAL

July 21, 2009

Yates Petroleum Corporation NM-21494 Wanda "ZT" Federal Com. #2 945' FNL and 1920' FEL, Section 28, T. 10 S., R. 26 E., NMPM Chaves County, New Mexico

GENERAL PROVISIONS

The approval of the Application For Permit To Drill (APD) is in compliance with all applicable laws and regulations: 43 Code of Federal Regulations 3160, the lease terms, Onshore Oil and Gas Orders, Notices To Lessees, New Mexico Oil Conservation Division (NMOCD) Rules, National Historical Preservation Act As Amended, and instructions and orders of the Authorized Officer. Any request for a variance shall be submitted to the Authorized Officer on Form 3160-5, Sundry Notices and Report on Wells.

I. PERMIT EXPIRATION

If the permit terminates prior to drilling and drilling cannot be commenced within 60 days after expiration, an operator is required to submit Form 3160-5, Sundry Notices and Reports on Wells, requesting surface reclamation requirements for any surface disturbance. However, if the operator will be able to initiate drilling within 60 days after the expiration of the permit, the operator must have set the conductor pipe in order to allow for an extension of 60 days beyond the expiration date of the APD (Filing of a Sundry Notice is required for this 60 day extension).

II. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

Any cultural and/or paleontological resource discovered by the operator or by any person working on the operator's behalf shall immediately report such findings to the Authorized Officer. The operator is fully accountable for the actions of their contractors and subcontractors. The operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery shall be made by the Authorized Officer to determine the appropriate actions that shall be required to prevent the loss of significant cultural or scientific values of the discovery. The operator shall be held responsible for the cost of the proper mitigation measures that the Authorized Officer assesses after consultation with the operator on the evaluation and decisions of the discovery. Any unauthorized collection or disturbance of cultural or paleontological resources may result in a shutdown order by the Authorized Officer.

III. NOXIOUS WEEDS

The operator shall be held responsible if noxious weeds become established within the areas of operations (access road and/or well pad). Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, pads, associated pipeline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

IV. CONSTRUCTION

A. NOTIFICATION:

The BLM shall administer compliance and monitor construction of the access road and well pad. Notify the Roswell Field Office at (505) 627-0247 at least 3 working days prior to commencing construction of the access road and/or well pad.

When construction operations are being conducted on this well, the operator shall have the approved Application for Permit to Drill and Conditions of Approval on the well site and they shall be made available upon request by the Authorized Officer.

B. TOPSOIL:

The topsoil will be stripped to approximately 6 inches in depth within the area designated for construction of the well pad. The operator shall stockpile the stripped topsoil adjacent to the constructed well pad. The topsoil will be used for interim and final reclamation of the surface disturbance created by the construction of the well pad. The topsoil will not be used to construct the containment structure or earthen dike that is constructed and maintained on the outside boundaries of the constructed well pad.

C. CLOSED SYSTEMS OR STEEL TANKS: No reserve pit will be used.

The operator shall use a **Closed Loop System** instead of a reserve pit. The operator shall properly dispose of drilling contents at an authorized disposal site.

A containment structure or earthen dike shall be constructed and maintained on the northeast, northwest, and southwest sides of the outside boundary of the constructed well pad in order to protect the ephemeral drainage located beneath and adjacent to the well pad. If the well pad is constructed into a cut on a slope then the uphill side of the well pad will not require the construction of the containment structure or earthen dike, but the construction of the containment structure or dike will be required on the remaining three sides of the well pad which will extend into the uphill portion of the well pad. The containment structure or earthen dike is required so that if oilfield waste contaminant or product contaminant were leaked, spilled, and or released upon the well pad the oilfield waste contaminant or product contaminant shall be contained on the well pad and not enter into the ephemeral drainage located beneath and adjacent to the well pad. The containment structure or earthen dike shall be constructed two (2) feet high (the

containment structure or earthen dike can be constructed higher than the two (2) feet high minimum). The containment structure or earthen dike shall be constructed and maintained during the drilling phase, the production phase and for the life of the well. During interim reclamation, if the surface area of the constructed well pad is reduced in size then the original constructed containment structure or earthen dike and a portion of the constructed well pad will be excavated and removed. During interim reclamation, the containment structure or earthen dike will then be re-constructed on the outside boundaries of the reduced in size constructed well pad.

D. FEDERAL MINERAL MATERIALS PIT:

If the operator elects to surface the access road and/or well pad using federal mineral materials, payment shall be made to the BLM prior to removal from any site. Call the Roswell Field Office at (575) 627-0236.

E. WELL PAD SURFACING:

Surfacing of the well location is required. The well pad will be constructed with a minimum of one foot of fill material for the construction of the portion of the well pad that is located in the ephemeral drainage which is the upstream portion or the northeast portion of the well pad. The minimum of one foot fill material for the construction of the northeast portion of the well pad is required in order to protect the integrity of the well pad and the containment dike from damage from storm flow events that flow through the ephemeral drainage where water flows may negatively impact the well pad and the containment dike constructed on the well pad.

The surfacing material will be required to be removed at the time of reclamation.

The well pad shall be constructed in a manner which creates the smallest possible surface disturbance, consistent with safety and operational need.

F. ON LEASE ACCESS ROADS:

Road Egress and Ingress

The on lease access road shall be constructed to access the corner of the well pad.

Road Width

The access road shall have a driving surface that creates the smallest possible surface disturbance and does not exceed fourteen (14) feet in width. The maximum width of surface disturbance, when constructing the access road, shall not exceed thirty (30) feet.

Surfacing

Surfacing material is not required on the new access road driving surface. If the operator elects to surface the new access road, the surfacing material may be required to be removed at the time of reclamation.

Where possible, no improvements should be made on the unsurfaced access road other than to remove vegetation as necessary, road irregularities, safety issues, or to fill low areas that may sustain standing water.

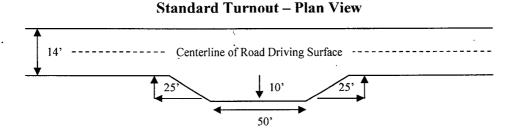
The Authorized Officer reserves the right to require surfacing of any portion of the access road at any time deemed necessary. Surfacing may be required in the event the road deteriorates, erodes, road traffic increases, or it is determined to be beneficial for future field development. The surfacing depth and type of material will be determined at the time of notification.

Crowning

Crowning shall be done on the access road driving surface. The road crown shall have a grade of approximately 2% (i.e., a 1" crown on a 14' wide road). The road shall conform to Figure 1; cross section and plans for typical road construction.

Turnouts

Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall be constructed on all blind curves. Turnouts shall conform to the following diagram:

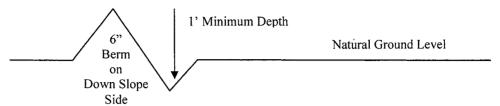


Drainage

Drainage control systems shall be constructed on the entire length of road (e.g. ditches, sidehill outsloping and insloping, lead-off ditches, culvert installation, and low water crossings).

A typical lead-off ditch has a minimum depth of 1 foot below and a berm of 6 inches above natural ground level. The berm shall be on the down-slope side of the lead-off ditch.

Cross Section Of Typical Lead-off Ditch



All lead-off ditches shall be graded to drain water with a 1 percent minimum to 3 percent maximum ditch slope. The spacing interval are variable for lead-off ditches and shall be determined according to the formula for spacing intervals of lead-off ditches, but may be amended depending upon existing soil types and centerline road slope (in %);

Formula For Spacing Interval Of Lead-off Ditches

Example - On a 4% road slope that is 400 feet long, the water flow shall drain water into a lead-off ditch. Spacing interval shall be determined by the following formula:

400 foot road with 4% road slope:
$$\frac{400'}{4\%} + 100' = 200'$$
 lead-off ditch interval

Culvert Installations

Appropriately sized culvert(s) shall be installed at the deep waterway channel flow crossing.

Cattleguards

An appropriately sized cattleguard(s) sufficient to carry out the project shall be installed and maintained at fence crossing(s).

Any existing cattleguard(s) on the access road shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for the condition of the existing cattleguard(s) that are in place and are utilized during lease operations.

A gate shall be constructed and fastened securely to H-braces.

Fence Requirement

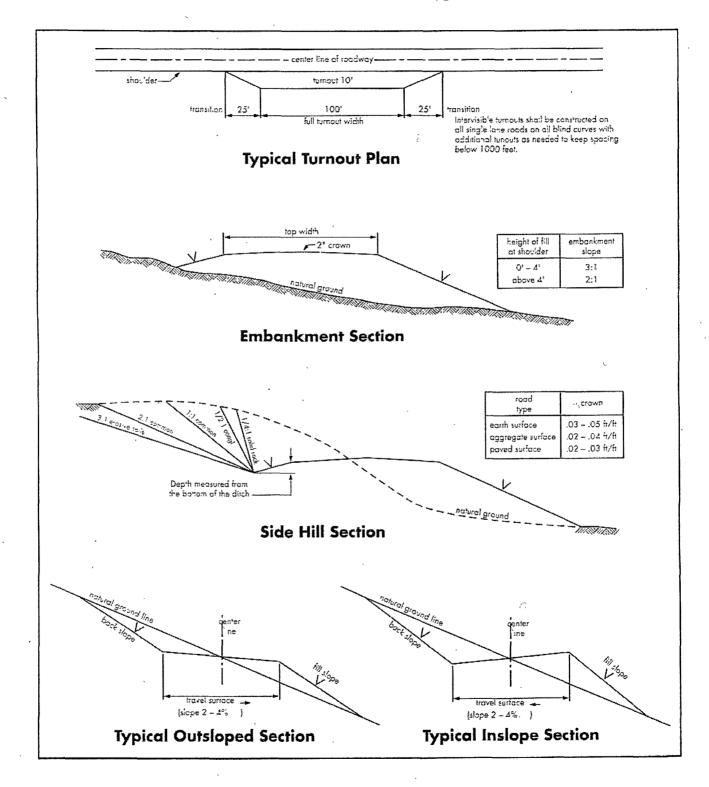
Where entry is required across a fence line, the fence shall be braced and tied off on both sides of the passageway prior to cutting.

The operator shall notify the private surface landowner or the grazing allotment holder prior to crossing any fence(s).

Public Access

Public access on this road shall not be restricted by the operator without specific written approval granted by the Authorized Officer.

Figure 1 - Cross Sections and Plans For Typical Road Sections



V. DRILLING

A. DRILLING OPERATIONS REQUIREMENTS:

- 1. Call the Roswell Field Office, 2909 West Second St., Roswell, NM 88201. During office hours call (575) 627-0205 or after office hours call (575) 910-6024. Engineer on call during office hours call (575) 627-0275 or after office hours call (575) 626-5749.
- 2. The BLM is to be notified a minimum of 24 hours in advance for a representative to witness:
 - a. Spudding well
 - b. Setting and/or Cementing of all casing strings

The BLM is to be notified a minimum of 4 hours in advance for a representative to witness:

BOPE Tests

- 3. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
- 4. Include the API Number assigned to well by NMOCD on the subsequent report of setting the first casing string.
- 5. A Communitization Agreement covering the acreage dedicated to this well must be filed for approval with the BLM. The effective date of the agreement shall be prior to any sales.
- 6. The operator will accurately measure the drilling rate in ft/min to set the base of the usable water protection casing string(s) opposite competent rock. The record of the drilling rate along with the caliper-gamma ray-neutron well log run to surface will be submitted to this office as well as all other logs run on the borehole 30 days from completion
- 7. Air, air-mist or fresh water and non toxic drilling mud shall be used to drill to the base of the usable water protection casing string(s). Any polymers used will be water based and non-toxic.

B. CASING:

1. The <u>11-3/4</u> inch usable water protection casing string shall be set at approximately 600 ft. in competent bedrock.

If not the operator is required to set usable water protecting casing in the next thick competent bedding (i.e. 15 to 25 ft or greater) encountered and cemented to the surface.

- a. If cement does not circulate to the surface, the Roswell Field Office shall be notified and a temperature survey utilizing an electronic type temperature survey with a surface log readout will be used or a cement bond log shall be run to verify the top of the cement.
- b. Wait on cement (WOC) time for a primary cement job will be a minimum 18 hours for a water basin or 500 pounds compression strength, whichever is greater. (This is to include the lead cement).
- c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compression strength, whichever is greater.
- d. If cement falls back, remedial action will be done prior to drilling out that string.
- 2. The minimum required fill of cement behind the <u>8-5/8</u> inch intermediate casing if set is <u>sufficient to circulate to the surface</u>. If cement does not circulate see B.1.a-d above.
- 3. The minimum required fill of cement behind the <u>5-1/2</u> inch production casing is <u>sufficient to</u> <u>tie back 500 feet above the uppermost perforation in the pay zone</u>. If cement does not circulate, a temperature survey utilizing an electronic type temperature survey with a surface log readout will be used or a cement bond log shall be run to verify the top of the cement.
- 4. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
- 5. All casing shall be new or reconditioned and tested casing and meet API standards for new casing. The use of reconditioned and tested casing shall be subject to approval by the authorized officer. Approval will be contingent upon the wall thickness of any casing being verified to be at least 87-1/2 per cent of the nominal wall thickness of new casing.

C. PRESSURE CONTROL:

- 1. Before drilling below the <u>11-3/4</u> inch surface casing shoe, the blowout preventer assembly shall consist of a minimum of One Annular Preventer or Two Ram-Type Preventers and a Kelly Cock/Stabbing Valve.
- 2. Before drilling below the <u>11-3/4</u> inch surface casing shoe, minimum working pressure of the blowout preventer and related equipment (BOPE) shall be <u>2000</u> psi.
- 3. The BOPE shall be installed before drilling below the <u>11-3/4</u> inch surface casing and the <u>8-5/8</u> inch intermediate casing if set and shall be tested as described in Onshore Order No. 2. Any equipment failing to test satisfactorily shall be repaired or replaced.
- a. The BLM Roswell Field office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.

- b. The tests shall be done by an independent service company.
- c. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug.
- d. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the BLM Roswell Field Office at 2909 West Second Street, Roswell, New Mexico 88201.
- e. Testing fluid must be water or an appropriate clear liquid suitable for sub-freezing temperatures. Use of drilling mud for testing is not permitted since it can mask small leaks.
- f. Testing must be done in a safe workman like manner. Hard line connections shall be required.

VI. PRODUCTION

Placement of Production Facilities

Production facilities shall be placed 100 feet to the east of the constructed well pad to mitigate impacts the ephemeral drainage.

Containment Structures

The containment structure shall be constructed to hold the capacity of the entire contents of the largest tank, plus 24 hour production, unless more stringent protective requirements are deemed necessary by the Authorized Officer.

Painting Requirement

All above-ground structures including meter housing that are not subject to safety requirements shall be painted a flat non-reflective paint color, <u>Juniper Green</u> (Standard Environmental Color Chart June 2008).

VRM Facility Requirement

Low-profile tanks not greater than eight-feet-high shall be used.

VII. INTERIM RECLAMATION

During the life of the development, all disturbed areas not needed for active support of production operations should undergo "interim" reclamation in order to minimize the environmental impacts of development on other resources and uses. Earthwork for interim and final reclamation must be completed within 6 months of well completion or well plugging (weather permitting). The operator shall submit a Sundry Notices and Reports on Wells (Notice of Intent), Form 3160-5, prior to conducting interim reclamation.

During reclamation, the removal of caliche is important to increasing the success of revegetating the site. Removed caliche may be used in road repairs, fire walls or for building other roads and locations. In addition, in order to operate the well or complete workover operations, it may be necessary to drive, park and operate on restored interim vegetation within the previously disturbed area. Disturbing revegetated areas for production or workover operations will be allowed. If there is significant disturbance and loss of vegetation, the area will need to be revegetated. Communicate with the appropriate BLM office for any exceptions/exemptions if needed.

Loamy, SD-3 Ecological Site; Loamy CP-2; Gyp Upland CP-2 (for Loamy HP-3)		
Common Name		Pounds of Pure
and Preferred Variety	Scientific Name	Live Seed Per Acre
Blue grama,	(Bouteloua gracilis)	4.00 LBS.
Sideoats grama,	(Bouteloua curtipendula)	· 1.0 LB.
Sand dropseed	(Sporobolus cryptandrus)	0.5 LB.
Vine mesquite	(Panicum obtusum)	1.0 LB.
Plains bristlegrass	(Setaria macrostachya)	1.0 LB.
Indian blanketflower	(Gaillardia aristata)	0.5 LB.
Desert or Scarlet	(Sphaeralcea ambigua)	1.0 LB.
Globemallow or	(S. coccinea)	
Annual sunflower	(Helianthus annuus)	<u>0.75 LB.</u>
TOTAL POUNDS PURE LIVE SEED (pls) PER ACRE		9.75 LBS.

Certified Weed Free Seed. If one species is not available, increase ALL others proportionately. Use No Less than 4 species, including one forb. No less than 9.75 pounds lbs per acre shall be applied.

VIII. FINAL ABANDONMENT & REHABILITATION REQUIREMENTS

- a) Upon abandonment of the well and/or when the access road is no longer in service, a Notice of Intent for Final Abandonment with the proposed surface restoration procedure must be submitted for approval.
- b) Upon abandonment of the well, all casing shall be cut-off at the base of the cellar or 3-feet below final restored ground level (whichever is deeper). A 4-inch pipe, 10 feet in length, shall be installed 4 feet above ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: Well name and number, the name of the operator, the lease serial number, the surveyed location (the quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer; such as metes and bounds).

- c) Surface Reclamation must be completed within 6 months of well plugging. If the operator proposes to modify the plans for surface reclamation approved on the APD, the operator must attach these modifications to the Subsequent Report of Plug and Abandon using Sundry Notices and Reports on Wells, Form 3160-5.
- d) The surfacing material for the well pad will be required to be removed from the location at the time of reclamation. The surfacing material shall be removed from the location down to the original soil horizon. The removed surfacing material can be used on existing roads in need of maintenance, or hauled to a material pit for disposal. All cut areas on the location will be replaced with fill material. The location shall be returned to a natural landform. The ephemeral drainage bottom and adjacent banks will be contoured to mirror the contours of the surrounding terrain. If the surfacing material is to be used on a county road or hauled to a federal material pit, contact Jerry Dutchover at (575) 627-0236 to check for additional requirements.
- e) Once the surfacing material has been removed from the location and a seed bed has been prepared, the entire location shall be seeded with the prescribed mixture as described in the attached Seed Mixture when timing is appropriate.