Form 3160-5 (February 2005)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

OCD.	FORM APPROVED OMB No 1004-0137 Expires March 31, 2007
- 2	5. Lease Seffal No.
Alic _ o	NM-105854
.00 - 5	6000 ndian Allottee or Tribe Name

	MINI- IO	3034
Indian	Allottee	or Tribe

••	torm for proposals to			offitindian, Allottee or Tribe Name	
abandoned well.	Use Form 3160-3 (APD)	for such proposal	s.	Not Applicable	
SUBMIT IN TR	7 If Unit or CA/Agreement, Name and/ Not Applicable				
Oıl Well X Gas Well	Other			8 Well Name and No.	
2. Name of Operator				Apeman BKA Federal #1H	
Yates Petroleum Corporation				9. API Well No.	
3a Address		3b. Phone No. (includ	de area code)	30-015-35644	
105 South Fourth Street, Art		(575) 748-1471		10. Field and Pool, or Exploratory Area	
 Location of Well (Footage, Sec., 660' FNL & 1880' FWL (SL) 660' FSL & 1880' FWL (BHL Section 17, T19S-R21E 	Unit C (NENW)			Four Mile Draw; Wolfcamp; SW 11. County or Parish, State Eddy County, New Mexico	
12. CHECK THE APPR	ROPRIATE BOX(ES) TO IN	IDICATE NATURE (OF NOTICE, RE	PORT, OR OTHER DATA	
TYPE OF SUBMISSION		TYPE	OF ACTION		
	recomplete horizontally, give subsurfarill be performed or provide the Bondrations. If the operation results in a moment Notices must be filed only after inspection.) If wishes to extend the component of the c	nace locations and measured a No on file with BLM/BIA. Institute completion or recomper all requirements, including aptioned well's AF and information to rester Lime formation 18.	Reclamation Recomplete Recomplete Temporarily Water Dispondate of any proposed and true vertical depth Required subsequent pletion in a new interse reclamation, have been possible or two (2) and the pletion in the pletion of the pletion in the pl	work and approximate duration, thereof. If is of all pertinent markers and zones. It reports must be filed within 30 days wal, a Form 3160-4 must be filed once then completed, and the operator has elieve there will not be elieve the elieve there will not be elieve there will not be elieve the elieve the elieve there will not be elieve there will not be elieve there will not be elieve there wil	
4. I hereby certify that the foregoing Name (Printed/Type 1) Lucky Signature	is true and correct	Title		/ Land Department	
	HIS SPACE FOR	_I R∮EDERAL ÖR STA			
Approved by /s/ Don Pe	AND SOME STATE OF THE STATE OF	FORFIELD	PROBABLIC OLDER BLACTA - PROPER -	ERDate JUL 2 7 2009	
Conditions of approval, if any, are attached ertify that the applicant holds legal or equity hich would entitle the applicant to conduct	able title to those rights in the subje	orrant or Office CA	RLSBAD	FIELD OFFICE	

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United states factivitious or fraudulent statements or representations as to any matter within its jurisdiction.

DISTRICT | 1825 H. French Dr., Hebbs, 3hl 88240 DISTRICT || 1801 W. Grand Arenas, Arbaile, 184 88250 DISTRICT || 181 |

DISTRICT IV

1000 Rio Brazon Rd., Aziec, 184 57410

1220 S. St. Francis Dr., Santa Fa, 161 87506

State of New Mexico
Energy, Miloerate and Natural Resources Department

Form C-102 Ravised October 12, 2005

Submit in Apprepriate District Office

State Lease — 4 Copies Fee Lease — 3 Copies

OIL CONSERVATION DIVISION

1220 South St. Francis Dr. Santa Fe, New Mexico 87505

CI AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Humber				Pool Code			Pool Name			
		_	(77553	Fer	Mile Dr	aw : Wolf	camp, Sw		
Property Code					Properly Mon	Well Mumber				
		1			APEMAN BKA	FEDERAL		11	1	
OGRID No.			·		Operator Han	10		Eleva	Elevation	
025575				YATES P	ETROLEUM COR	PORATION		4471		
					Surface Loc	ution				
L or lei No.	Section	Township	Range	Lot Ide	Feet from the	North/South line	Feet from the	East/West fine	County	
C	17	195	21E		660	NORTH	1880	WEST	EDDY	
		<u> </u>	Bottom	Hole Loca	ition if Differe	nt From Surface)		<u></u>	
L or lot No.	Section	Township	Range	Lot ide	Fest from the	North/South line	Feet from the	East/West Bas	County	
N	17	195	21E		660	SOUTH	1880	WEST	EDDY	
Dedicated Acres Joint or Infill Consolidation Code Order No.										
330										
NO ALLOY	NABLE W	ILL BE AS	SIGNED T	O THIS CO	MPLETION UNI	IL ALL INTEREST	S HAVE BEEN	CONSOLIDATED		

OHILINIA HILLIAN IN **OPERATOR CERTIFICATION** 2 3362 GEODETIC COORDINATES NAD 27 MME SURFACE HOLE LOCATION Y=606264.3 N X=350756.6 E LAT.=32.665778 LONG.=104.818306 4481 4476 (NAD-27) PROJECT SURVEYOR CERTIFICATION on this plat was plotted from field notes of actual enrusps made by me or under my supervisor, and that the same is true and correct to the best of my belief. 2/19/2007 SHEMMEN OF 3640 BOTTOM HOLE LOCATION Y=602308.9 N X=350750.0 E LAT.=32.654889 N LONG.=104.818278 W Jones 3640

PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME:	YATES PETROLEUM CORPORATION
LEASE NO.:	NM-105854
WELL NAME & NO.:	APEMAN BKA FEDERAL 1H
SURFACE HOLE FOOTAGE:	660' FNL & 1880' FWL
BOTTOM HOLE FOOTAGE	660' FSL & 1880' FWL
LOCATION:	Section 17, T. 19 S., R 21 E., NMPM
COUNTY:	Eddy County, New Mexico

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Standard Conditions of Approval (COA) apply to this APD. If any deviations to these standards exist or special COAs are required, the section with the deviation or requirement will be checked below.

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	Aplomado Falcon
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	Electric Lines
	Interim Reclamation
	Final Abandonment/Reclamation

I. 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.

II. 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.)

III. 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.

IV. NOXIOUS WEEDS

The operator shall be held responsible if noxious weeds become established within the areas of operations. 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.

V. SPECIAL REQUIREMENT(S)

Aplomado Falcon

In order to minimize impacts to Aplomado Falcon, the following Conditions of Approval will apply:

- No yuccas or trees over 5 feet in height will be damaged, to protect nesting structures.
- All active raptor nests will be avoided by a minimum of 400 meters by all activities or curtail activities until fledging is complete. All inactive raptor nests will be avoided by a minimum of 200 meters by all activities.
- Well pad size will not exceed 300 ft. x 390 ft.
- All roads associated with well development will not exceed 30 ft in width
- Reserve pits for drilling and disposal are not allowed unless the pit can be effectively netted to the satisfaction of the BLM. Steel tank circulation system must be used if the reserve pit is not netted.
- All unused portions of the well pad associated with producing wells will be reclaimed following the abandoned well protocol below
- Final abandonment protocol: Remove all caliche from well pads and roads that are plugged and abandoned. Reclamation will consist of disking, mulching, seeding with a drill (See seed mixture below), and application of water to encourage seed germination.

Buffalograss (Buchloe dactyloides) 4 lbs/acre
Blue grama (Bouteloua gracilis) 1 lbs/acre
Cane bluestem (Bothriochloa barbinodis) 5 lbs/acre
Sideoats grama (Boutelou curtipendula) 5 lbs/acre
Plains bristlegrass (Setaria macrostachya) 6 lbs/acre

VI. CONSTRUCTION

A. NOTIFICATION

The BLM shall administer compliance and monitor construction of the access road and well pad. Notify the Carlsbad Field Office at (575) 234-5972 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 APD and Conditions of Approval (COA) on the well site and they shall be made available upon request by the Authorized Officer.

B. TOPSOIL

The operator shall stockpile the topsoil of the well pad. The topsoil shall not be used to backfill the reserve pit and will be used for interim and final reclamation.

C. Closed Loop System

Tanks are required for drilling operations: No Pits.

The operator shall properly dispose of drilling contents at an authorized disposal site.

D. FEDERAL MINERAL MATERIALS PIT

If the operator elects to surface the access road and/or well pad, mineral materials extracted during construction of the reserve pit may be used for surfacing the well pad and access road and other facilities on the lease.

Payment shall be made to the BLM prior to removal of any additional federal mineral materials from any site other than the reserve pit. Call the Carlsbad Field Office at (575) 234-5972.

E. WELL PAD SURFACING

Surfacing of the well pad is not required.

If the operator elects to surface the well pad, the surfacing material may 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 needs.

F. ON LEASE ACCESS ROADS

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 or pad, 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

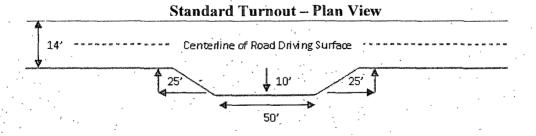
Crowning shall be done on the access road driving surface. The road crown shall have a grade of approximately 2% (i.e., a 1" crown on a 14' wide road). The road shall conform to Figure 1; cross section and plans for typical road construction.

Ditching

Ditching shall be required on both sides of the road.

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:

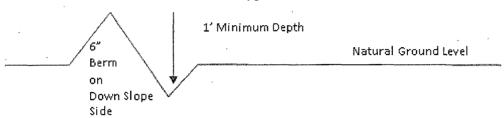


Drainage

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: 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

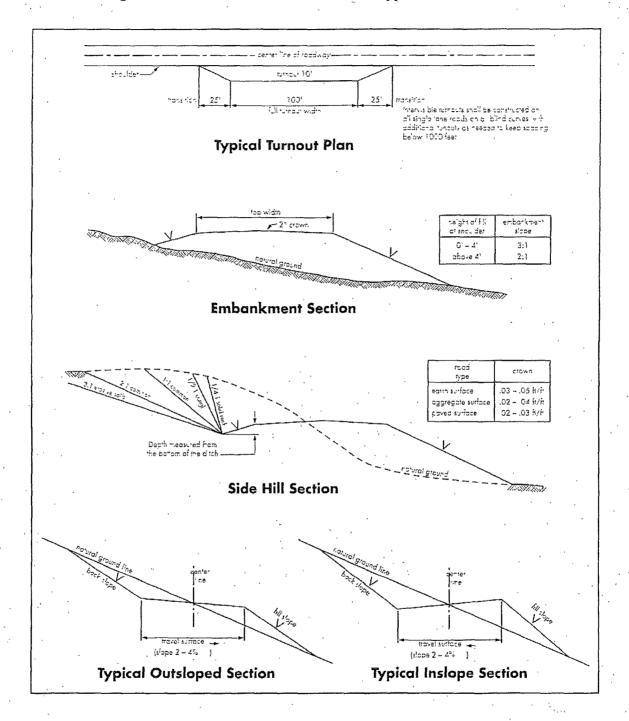
Where entry is required across a fence line, the fence shall be braced and tied off on both sides of the passageway prior to cutting.

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



VII. DRILLING

A. DRILLING OPERATIONS REQUIREMENTS

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

- a. Spudding well
- b. Setting and/or Cementing of all casing strings
- c. BOPE tests

Eddy County Call the Carlahad Field Office

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822

- 1. Although Hydrogen Sulfide has not been reported in the area, it is always a potential hazard. If Hydrogen Sulfide is encountered, please report measured amounts and formations to the BLM.
- 2. 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.
- 3. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.

B. CASING

Changes to the approved APD casing and cement program require submitting a sundry and receiving approval prior to work. Failure to obtain approval prior to work will result in an Incident of Non-Compliance being issued.

Centralizers required on surface casing per Onshore Order 2.III.B.1.f.

Wait on cement (WOC) time for a primary cement job will be a minimum 18 hours for a water basin, 24 hours in the potash area, or 500 pounds compressive strength, whichever is greater for all casing strings. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. See individual casing strings for details regarding lead cement slurry

requirements.

No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

MEDIUM CAVE/KARST

Possible lost circulation in the San Andres, Glorieta, and Wolfcamp formations. Possible high pressure gas bursts in the Wolfcamp and possible over pressure in the Strawn, Atoka, and Morrow formations.

- 1. The 9-5/8 inch surface casing shall be set at approximately <u>1500</u> feet and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM 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 is to include the lead cement slurry.
 - 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 compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.

Formation below the 9-5/8" shoe to be tested according to Onshore Order 2.III.B.1.i. Test to be done as a mud equivalency test using the mud weight necessary for the pore pressure of the formation below the and the mud weight for the bottom of the hole. Report results to BLM office.

2. The minimum required fill of cement behind the <u>5-1/2</u> inch production casing is cement shall extend a minimum of 200 feet inside the surface casing. Centralizers required on horizontal leg, minimum of one every other joint.

Contingency casing program:

3.	The	minimum	required	fill of cement	t behind the	7 inch int	termediate	casing is:
	5		. 1		N 4	>		0

Cement should tie-back at least 200 fe	et into	previous	casing string.	Operator
shall provide method of verification.		<u>- </u>		

Formation below the 7" shoe to be tested according to Onshore Order 2.III.B.1.i.

- 4. The minimum required fill of cement behind the 4-1/2 inch production casing is:
 - Cement to come to top of liner. Operator shall provide method of verification.

 Centralizers required on horizontal leg, minimum of one every other joint.
- 5. 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.

C. PRESSURE CONTROL

- 1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
- 2. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 5000 (5M) psi.

5M system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.

- 3. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. The tests shall be done by an independent service company.
 - b. The results of the test shall be reported to the appropriate BLM office.
 - c. 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 appropriate BLM office.
 - d. 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.
 - e. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the **Wolfcamp** formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore

D. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the **Wolfcamp** formation, and shall be used until production casing is run and cemented.

E. DRILL STEM TEST

If drill stem tests are performed, Onshore Order 2.III.D shall be followed.

CRW 061609

VIII. PRODUCTION (POST DRILLING)

A. WELL STRUCTURES & FACILITIES

Placement of Production Facilities

Production facilities should be placed on the well pad to allow for maximum interim recontouring and revegetation of the well location.

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 Shale Green, Munsell Soil Color Chart # 5Y 4/2

B. PIPELINES

None proposed in APD.

C. ELECTRIC LINES

None proposed in APD.

IX. INTERIM RECLAMATION

If the well is a producer, interim reclamation shall be conducted on the well site in accordance with the orders of the Authorized Officer. The operator shall submit a Sundry Notices and Reports on Wells (Notice of Intent), Form 3160-5, prior to conducting 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.

The operators should work with BLM surface management specialists to devise the best strategies to reduce the size of the location. Any reductions should allow for remedial well operations, as well as safe and efficient removal of oil and gas.

During reclamation, the removal of caliche is important to increasing the success of revegetating the site. Removed caliche may be used for road repairs, fire walls or for building other roads and locations. 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.

APLOMADO FALCON HABITAT SEED MIXTURE

Buffalograss (Buchloe dactyloides)	4 lbs/acre
Blue grama (Bouteloua gracilis)	1 lbs/acre
Cane bluestem (Bothriochloa barbinodis)	5 lbs/acre
Sideoats grama (Boutelou curtipendula)	5 lbs/acre
Plains bristlegrass (Setaria macrostachya)	6 lbs/acre

FINAL ABANDONMENT & REHABILITATION REQUIREMENTS

Upon abandonment of the well and/or when the access road is no longer in service the Authorized Officer shall issue instructions and/or orders for surface reclamation and restoration of all disturbed areas.

On private surface/federal mineral estate land the reclamation procedures on the road and well pad shall be accomplished in accordance with the private surface land owner agreement.