N.M. Oil Cons. DIV-Dist. 2 1301 W. Grand Avenue

Artesia, NM 88210

Form 3160-3 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

RECEIVED

OMB No. 1004-0136 Expires November 30, 2000

NM-107366

JUN 2 3 7004 OOD:APTESIA 5. Lease Serial No.

APPLICATION FOR PERMIT TO DRILL OR REENTER

-				
	If Indian.	Allottee	or Tribe	Name

		Not Applicable	
1a. Type of Work: DRILL	X REENTER	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 Biplane Unit #4	
2. Name of Operator		9. API Well No.	
Yates Petroleum Corporation		130-005 GC2CZ	_
3A. Address 105 South Fourth Street	3b. Phone No. (include area cod	de) 10. Field and Pool, or Exploratory	
Artesia, New Mexico 88210	(505) 748-147	71 Haystack Cisco	
4. Location of Well (Report location clearly and in accordan	ace with any State requirements.*)	11. Sec., T., R., M., or Blk, and Survey or Are	ea
At surface 660' FNL	and 1980' FWL; NENW		
At proposed prod. Zone	same as above	Section 15, T6S-R27E	
14. Distance in miles and direction from nearest town or post	office*	12. County or Parish 13. State	
Approximately forty (40) miles NE of Rosw	/ell, NM	Chaves County NM	
15. Distance from proposed* location to nearest property or lease line, ft. 660'	16. No. of Acres in lease	17. Spacing Unit dedicated to this well	
(Also to nearest drig. unit line, if any)	281.77	320 acres W/2	
18. Distance from proposed location* to nearest well, drilling, completed,	19. Proposed Depth	20. BLM/BIA Bond No. on file	
applied for, on this lease, ft. 2640'	5965'	NM-2811	
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will	start* 23. Estimated duration	
4090.3' GL	ASAP	30 Days	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- 1. Well plat certified by a registered surveyor.
- 2. A Drilling Plan.
- 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office.
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- 5. Operator certification.
- Such other site specific information and/or plans as may be required by the

25. Signature	Name (Printed/Typed)	Date
Sul A(n).	Robert Asher	4/26/04
Title:		
Regulatory Agent		
Approved by (Signature)	Name (Printed Tweed) ARMANUN A. LUTCA	Date

Assistant Field Manager, Title

JUN 17 ZUU+

Lands And Minerals Acting

ROSWELL FIELD OFFICE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Office

operations thereon.

^{*(}Instructions on reverse)

District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico **Energy Minerals and Natural Resources**

Form C-144

March 12, 2004

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe

Is pit or below-	grade tank cove	Cank Registration ered by a "general plant- grade tank xx Closure of	"? Yes xx N	0 🗌	
Operator: Yates Petroleum Corporation Telephone Address: 105 South 4th Street, Artesia, New Mexico 88210	e: <u>(505) 748-1471</u>	e-mail addres	ss: <u>debbiec@yr</u>	ocnm.com	
Facility or well name: Biplane Unit #4 API #					
County: Chaves Latitude	Longitude	NAD: 192	27 🔲 1983 xx		Surface Owner Federal
xx State Private Indian					
Pit Type: Drilling xx Production Disposal D	Belov	v-grade tank			
Workover	Volu	ne:bbl Type of flui	d:		<u></u>
Lined xx Unlined [Cons	ruction material:		_	
Liner type: Synthetic xx Thickness 12 mil Clay Volume bbl	Doub	le-walled, with leak detection	on? Yes 🗌 lf n	ot, explain why not.	
		than 50 feet		(20 points)	
Depth to ground water (vertical distance from bottom of pit to sea	sonal high 50 fee	et or more, but less than 100	feet	(10 points)	RECEIVED
water elevation of ground water.)	100 f	eet or more		(0 points)	
Wellhead protection area: (Less than 200 feet from a private dom	estic Yes			(20 points)	MAY 1 7 2004
water source, or less than 1000 feet from all other water sources.)	No			(0 points)	GEB-ARTESIA
Distance to surface water: (horizontal distance to all wetlands, pla irrigation canals, ditches, and perennial and ephemeral watercours	1yas, 200 f	than 200 feet eet or more, but less than 10	00 feet	(20 points) (10 points)	
inigation canais, thenes, and perchinal and epitemetal watercours	1000	feet or more		(0 points)	
	Rank	ing Score (Total Points)		20 points	
If this is a pit closure: (1) attach a diagram of the facility showing onsite If offsite, name of facility date. (4) Groundwater encountered: No Yes If yes, show diagram of sample locations and excavations. I hereby certify that the information above is true and complete has been/will be constructed or closed according to NMOC Date: May 13, 2004	. (3) v depth below grounded to the best of my CD guidelines , a	Attach a general description of surface ft. knowledge and belief. I fur a general permit xx, or an of the surface ft.	on of remedial ac	ction taken including to ple results. (5) Attacl	remediation start date and end h soil sample results and a
Printed Name/Title Robert Asher / Regulatory Agent / Land			$igcup_{}$		
Your certification and NMOCD approval of this application/c otherwise endanger public health or the environment. Nor do regulations.					
Approval: MAY 18 2004 Date: Printed Name/Title		ignature	SR		
r our C-144 is approved with the roll stipulation; the liner must be a 12-m Also note your choice of liner mand manner in which the pit may be clos	il woven. ates the	Please se			
contents and the liner shall be remove		supulaud	ms and	OI .	

requirements:

contents and the liner shall be removed and

disposed of in a manner approved by the

division.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

is pit or below-grade tank covered by a "general plan"? Yes	CheckBoxl of action: Registrat	ion of a pit or below	-grade tank Closure of a
Operator: UPC			
Address: Facility or well name: BIPUNE UNITHEAPI#: County: CHAUCS Latitude Longitude	U/L or Otr/Or Sec 15 T L NAD: 1927 1983 Surface Ov	S_R_27€ wner Federal X Stat	e 🗌 Private 🔲 Indian 🗍
Pit Type: Drilling Production Disposal Workover Emergency Lined Unlined Liner type: Synthetic Trickness mil Clay Volume	Below-grade tank Volume:bbl Type of fluid: Construction material: Double-walled, with leak detection? Yes		
Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)	Less than 50 feet 50 feet or more, but less than 100 feet 100 feet or more	(20 points) (10 points) (0 points)	RECEIVED MAY 1 7 2004
Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)	(es) No	(20 points) (0 points)	998-ARTESIA
Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)	Less than 200 feet 200 feet or more, but less than 1000 feet 1000 feet or more	(20 points) (10 points) (0 points)	
	Ranking Score (Total Points)		
If this is a pit closure: (1) attach a diagram of the facility showing the pit's onsite offsite If offsite, name of facility date. (4) Groundwater encountered: No Yes If yes, show depth belo diagram of sample locations and excavations. Thereby certify that the information above is true and complete to the best of a been/will be constructed or closed according to NMOCD guidelines , a Date: 51309 Printed Name/Title	my knowledge and belief. I further tertify that the ageneral permit , or an (attached) alternative OC Signature NO Signature 1	on taken including received the results. (5) Attach	or below grade tank has
Approval: Date:			
Printed Name/Title	Signature		

Form C-144 March 12, 2004



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor

Joanna Prukop
Cabinet Secretary
Acting Director
Oil Conservation Division

18 May 2004

Yates Petroleum Corp. 105 South 4th Street Artesia, New Mexico 88210

RE:

Permit Stipulations - Biplane Unit # 4

Unit C SEC-15 T-6S R-27E

The Oil Conservation Division of Artesia is in receipt of your application to construct a pit for the purpose of drilling. The request is hereby accepted and approved with the following provisions:

- 1. Construction and closing of pit(s) must meet the criteria of Rule 19.15.2.50 and the Pit Guidelines.
- 2. The pit is not located in any watercourse, lakebed, sinkhole, playa lake, or wetland.
- 3. Notice is to be given to the OCD prior to construction of the pit(s).
- 4. Upon cessation of drilling the freestanding fluid will be removed and disposed of in an OCD approved facility.
- 5. Due to liner choice, the pit's contents and the liner shall be removed and disposed of in a manner approved by the Division.
- 6. The integrity of the bottom liner may not be breached at any time for any reason.
- 7. The pit will not be used for any additional storage of fluids.
- 8. The Division may attach additional conditions to any permit upon a finding that such conditions are necessary to prevent the contamination of fresh water, or to protect public health or the environment. (19.15.2.50.C.3.G.1.)
- 9. Re-seeding mixture will must be approved or authorized by surface owner.

If I can be of any further assistance, please feel free to call (505) 748-1283 ext. 109.

Sincerely,

Van Barton

District I

1625 N. French Dr., Hobbs, NM 88240

State of New Mexico Energy, Minerals & Natural Resources Department

Form C-102 Revised August 15, 2000

District II

811 South First, Artesia, NM 88210

District III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

AMENDED REPORT

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

¹ API Number	² Pool Code	³ Pool Name		
		Haystack Cisco		
Property Code	⁵ Property Name	'Well Number		
	Biplane Unit	4		
⁷ OGRID No.	OGRID No. 8 Operator Name			
025575	Yates Petroleum Corporation			

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	15	65	27E		660	North	1980	West	Chaves
			11 B	ottom Ho	ole Location I	f 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
	Tai .	<u> </u>	<u></u>	100					
12 Dedicated Acres	13 Joint of	r Infili 14 (Consolidation	Code 15 Or	rder No.				
320									

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

	NON-STAND	<u>ARD UNIT HAS BEEN A</u>	APPROVED BY THE DI	VISION
	ò			¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is
	1980'			true and complete to the best of my knowledge and
				felief.
				Signature Robert Asher
				Printed Name
				Regulatory Agent
	NM-107366			Title
				4/26/2003
				Date
				18
				¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat
FEE			,	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.
	HE STATE OF THE ST			REFER TO ORIGINAL PLAT
				Date of Survey Signature and Seal of Professional Surveyor:
				раднацие ана осатот гтонезятана очгусуют.
R. Constitution of the Con				
				Certificate Number
Control to Manual the Samuel and Manual Control of Samuel	La principa de la companya del companya de la companya del companya de la company	4		

NE MEXICO OIL CONSERVATION COMMISSING WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section Well No. Operator JACK L. McCLELLAN 2 Section Township Range Unit Letter 27 EAST 15 6 South CHAVES Actual Footage Location of Well: 1980 feet from the NORTH line and Producing Formation Ground Level Elev. Dedicated Acreage: 4090.3 1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below." 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc? Yes ☐ No If answer is "yes," type of consolidation If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.). No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. CERTIFICATION I hereby certify that the information con-1980'tained herein is true and complete to the Date Surveyed NOVEMBER 30, 1971 Registered Professional Engineer

1320 1650

1980 2310

Cerifficate No.

YATES PETROLEUM CORPORATION Biplane Unit #4 Re-entry

660' FNL and 1980' FWL Section 15-T6S-R27E Chaves County, New Mexico

Yates Petroleum Corporation plans to re-enter this well originally drilled by McClellan Oil Corporation as the Bar-J Federal #2 and abandoned August 12, 1975. Yates' plan is to re-enter the well with a pulling unit to drill out the cement plugs in the 8 5/8" casing and in the 7 7/8" open hole down to where the 5 $\frac{1}{2}$ " casing is cut @ 2,450' then repair the casing then clean out inside the 5 $\frac{1}{2}$ " casing down to the PBTD of 5,965'. The well will be completed with a pulling unit in the Cisco formation at 5,938' – 5,948' and will be tested with an electric submersible pump.

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

Yates	303'
San Andres	1305'
Glorieta	2474'
Abo/SH/	4598'
Wolfcamp	5297'
Penn Virg Sd	5884'
TD	5965'

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 3000 BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout Preventor controls will be installed prior to drilling the surface plug and will remain in use until the well is completed or abandoned. Preventors will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. See Exhibit B.

Auxiliary Equipment:

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

<u>Hole Size</u>	Casing Size	Wt./Ft	<u>Grade</u>	Coupling	<u>Interval</u>	<u>Length</u>
12 1/4"	8 5/8"	23#	K-55	ST&C	N/A	In Place
7 7/8"	5 ½"	15.5#	J-55	LT&C	0-2500'	2500'
7 7/8"	5 ½"	15.5#	J-55	LT&C	2500-5965'	In Place

1. Minimum Casing Design Factors: Collapse 1.125, Burst 1.0, Tensile Strength 1.8

Biplane Unit #4 Re-entry Page 2

B. CEMENTING PROGRAM:

Surface Casing: In place Production Casing: 150 sx.

5. MUD PROGRAM AND AUXILIARY EQUIPMENT:

IntervalTypeWeightViscosityFluid Loss0-TDCut Brine Water9.2 – 9.555-70N/C

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

Coring: None

DST's: As warranted.

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

No abnormal temperatures or pressures are anticipated.

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 Biplane Unit #4 Re-entry

660' FNL and 1980' FWL Section 15-T6S-R27E 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 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 25 miles northeast of Roswell, New Mexico and the access route to the location is indicated in red and green on Exhibit A.

DIRECTIONS:

Go NE of Roswell, NM on Hwy 70 for approximately 28 miles to Olive Road (just past marker 362). Turn on Olive Road and go north for approximately 11.1 miles to Caprock Road. Turn on Caprock Road and go easy approximately 0.9 of a mile. Turn left thru cattle guard and go in front of the house and around the corrals going north. Turn west on lease road just before crossing the cattle guard. Go west for approximately 0.6 miles. Access road is staked on the left, turn left and continues for approximately 800' to the dry hole marker.

2. PLANNED ACCESS ROAD:

New access road is needed since the existing road has been reclaimed. The new access will be approximately 812.1'where as to use the reclaimed route would mean building approximately 5300' of new road.

3. 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.

5. LOCATION AND TYPE OF WATER SUPPLY:

A. It is planned to re-enter the proposed well with a cut brine system. The brine 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.

Biplane Unit #4 Re-entry Page 2

6. SOURCE OF CONSTRUCTION MATERIALS:

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

7. 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 land fill. 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.

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.
- 11. SURFACE OWNERSHIP: Bureau of Land Management Roswell, NM.

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.

Biplane Unit #4 Page 3

13. OPERATOR'S REPRESENTATIVE:

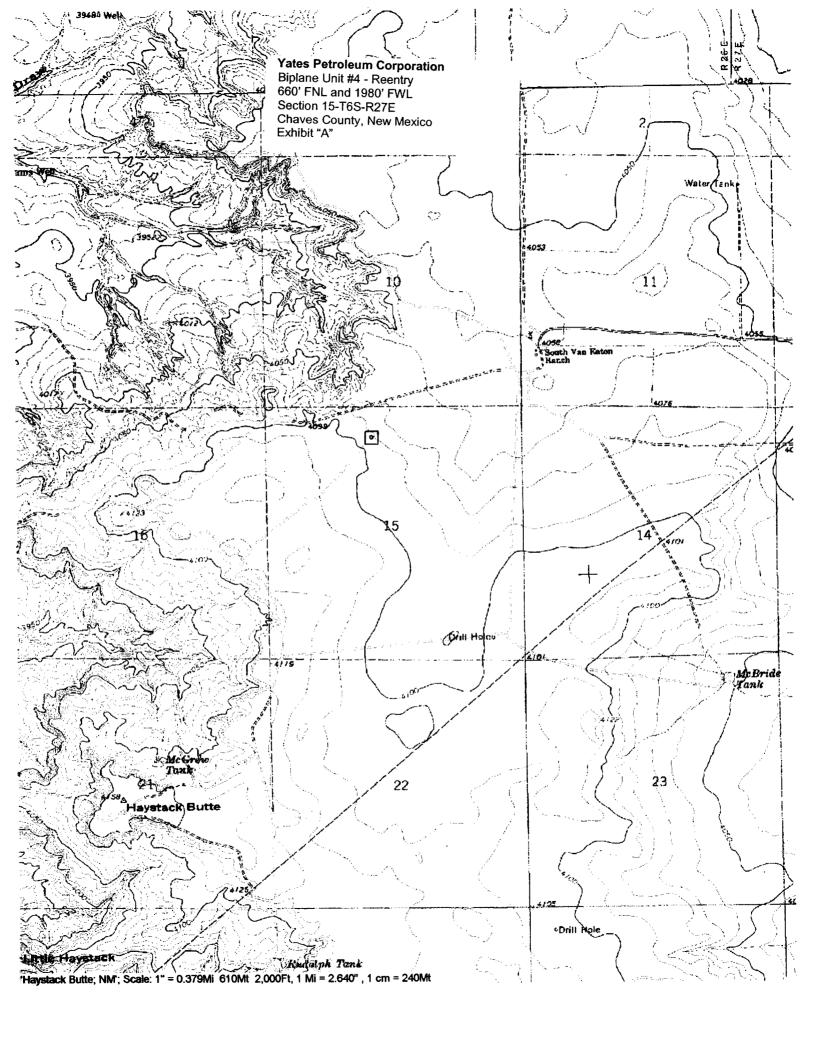
- A. Through A.P.D. Approval:
 Bob Asher, Regulatory Agent
 Yates Petroleum Corporation
 105 South Fourth Street
 Artesia, New Mexico 88210
 Phone (505) 748-1471
- B. Through Drilling, Completions & Prod. Pinson McWhorter, Operations Manager Yates Petroleum Corporation 105 South Fourth Street Artesia,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

4/26/2004

Regulatory Agent



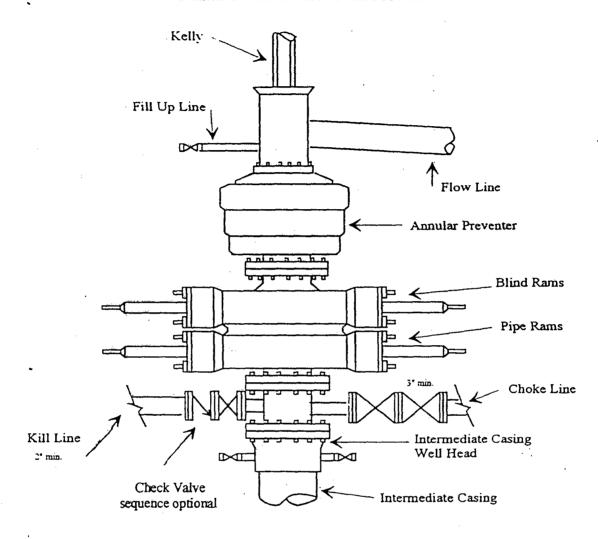
SECTION 16, TOWNSHIP 6 SOUTH, RANGE 27 EAST, NMPM, CHAVES COUNTY, NEW MEXICO. TWEST, 2,095.5 S.0°01'E.. 785.9 **BIPLANE** UNIT #4 S.89'24'W.. 26.2 1 U.S.A. Dell Holes PRIVATE 4/19 **DESCRIPTION:** A LEASE ROAD RIGHT OF WAY 30 FEET WIDE, AND 812.1 FEET IN LENGTH, BEING 15 FEET TO THE LEFT AND RIGHT OF THE SURVEY CENTERLINE AS SHOWN IN RED ON THIS PLAT. 812.1 FEET = 49.2182 RODS, 0.1538 MILES OR 0.5593 ACRES, MORE OR LESS. Yates Petroleum Corporation Biplane Unit #4 - Reentry 660' FNL and 1980' FWL Section 15-T6S-R27E Chaves County, New Mexico Exhibit "A-1"

1000 2000' 1000' Scale 1" = 1000' THE PREPARATION OF THIS PLANNING IT IS BASED WERE SOLACCURATELY DEPICTS THE GET THE PERFORMANCE OF THE SURVEY UPON E DONG LUNDER BY DIRECTION AND THE PLAT
E DESULTS OF SUD SURVEY AND MEET THE
SHANDARDS FOR LUND SURVEYS IN NEW MEXICO AS
JEMICONSTRUCT BORRESON REGISTRATION FOR YATES CORP. PETROLEUM ACCURATELY DEPICTS UP OF SUNDANTS FOR E REQUIREMENTS OF THE SUNDANTS FOR BANDOPTED BY THE NEW MEXICONSTRICT BOX REGISTRATION FOR LEASE ROAD TO ACCESS THE YATES BIPLANE UNIT #4 WELL, LOCATED IN SECTION 15, TOWNSHIP 6 SOUTH, RANGE 27 EAST, NMPM, CHAVES COUNTY, NEW MEXICO. S. No.3640 Survey Date: 3/03/2004 Sheet 1 Sheets POHES ON COM GENERAL SU NY P.O. BOX 1928 W.O. Number Drawn By: Ed Blevins NEW MEXICO 88260 Scale 1" = 1000' BIPLANE 4 LOVINGTON, Date: 3/07/04

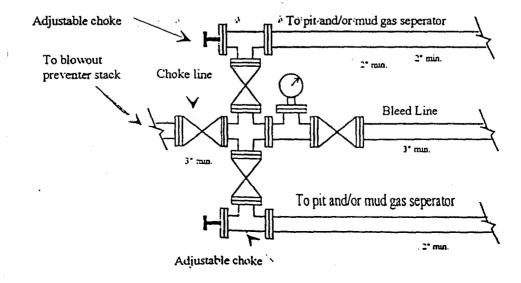
Biplane Unit #4 - Reentry '660' FNL and 1980' FWL Section 15-T6S-R27E Chaves County, New Mexico Exhibit "B"

Yates Petroleum Corporation

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



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



Access Road

Working Pit

Approximately 250'

Center hole

Pulling Unit

Approximately 250'

2 1 2006 VA 2253	2 · 1 · 2006 VA: 2254		ŧ	412	1	G- 51	Ha 7 41.41	2)	
6I된	815)		1	U. S. Louise Van Eator	,15)	Molly F. Lu	\$ \ \	McBride Of	i.G
	2l : Yates Pet, etal	Yates	Petroleum (Corporation		McBride OEG	41.29	쉬 19	
2 1 2006 VA 2368	.2 ·) · 2006 VA · 2369	660' FNI and 1980' FWL C. Moorheod, et al. C. Moorheod, et al.			Dorothy Le	On .			
153 ¹ 7	153 19	Section	on 15-T6S-R2	27E			41.16	41	
Slote				ew Mexico		Yates Pet stal	41.02	Pet, etal Mai	Tride OE 6 Yesten
Reliance Ener. 2 · 1 · 2006 v4 · 2356	Reliance Erier. 2 1 2006 VA 2355	Exhib		Read E.Stevens	1	6 1 2010 104673 2799	10163	Pet. etal Mail 11 - 2008 2 - 31 - 2008 3 - 27 - 2007 3 -	Fride OE G Yorks 8 · 2007 12 · 1 1 · 2007 197
815.7	8152			No Haystack Federal Mont Disc (20) C.3-II-85	posli	RANCHOS	40.88	21	
29	28	· a	27	26		25	40.72	जो 30	
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WELL NAME: Bar J Federal #2

FIELD:

Haystack Cisco

LOCATION: 660' FNL & 1980' FWL Sec 15 T6S-R27E

Chaves County

GL: 4090'

ZERO:

KB:

CASING PROGRAM

SPUD DATE: 8/12/75 **COMPLETION DATE:** <u>D&A 8/12/75</u>

COMMENTS:___

30-005-60202

7.24.00

TD 6520'

8 5/8" 23#	1382'
5 ½:" 14# & 15.5#	6520'

Plug @ surface w/10 sx.

11" hole

7 7/8"

hole

CIRP @ 6000'

CIBP @ 6410'

PBTD @ 6517'

8 5/8" @ 1382' w300 sx Plug 1440' w/35 sx cmt

5 1/2" cut @ 2450'

Plug @ 2482' w/35 sx cmt

Plug @ 3050' w/30 sx cmt

Toc?

CISCO Perf's: 5938-5948' Acidize: 1750 a 15%

Perf's: 6339-6349' Acidize: 1250 g 15%

SILURIAN

Perf's: 6501-6511' Acidize: 500 g 15%+2000 g 20%

Frac: 16000# Sd

5 1/2" @ 6520' w/350 sx cmt

TOPS

Yates	303'
San Andres	1305'
Glorieta	2474'
Abo /SH/	4598'
Wolfcamp	5297'
Penn Virg Sd	5884'
Mississippian	6284'
Devonian	6404'

BEFORE

Not to Scale 02/17/04 Cam

Yates Petroleum Corporation Biplane Unit #4 - Reentry 660' FNL and 1980' FWL Section 15-T6S-R27E Chaves County, New Mexico Exhibit "E-1"

WELL NAME: Biplane Unit #4 FIELD: Haystack Cisco LOCATION: 660' FNL & 1980' FWL Sec 15 T6S-R27E Chaves County ZERO: KB: GL: 4090' **CASING PROGRAM COMPLETION DATE:** D&A-8/12/75 **SPUD DATE**: 8/12/75 8 5/8" 23# 30-005-60202 COMMENTS: 5 1/2:" 14# & 15.5# 11" hole **TOPS** Yates San Andres Glorieta 8 5/8" @ 1382' w/300 sx Abo /SH/ Wolfcamp Toc? Penn Virg Sd Mississippian Devonian 5 1/2" csg repaired @ 2450' cmt'd w/150 sx 7 7/8" hole **AFTER** Toc? Perf's: 5938-5948' Acidize: 1750 g 15% CIBP @ 6000° Perf's: 6339-6349' Acidize: 1250 g 15% CIBP @ 6410' SILURIAN 02/17/04 Perf's: 6501-6511'

Acidize: 500 g 15%+2000 g 20% Frac: 16000# Sd

5 1/2" @ 6520' w/350 sx cmt

PBTD @ 6517'

TD 6520°

post.

Not to Scale

1382'

6520'

303'

1305'

2474'

4598'

5297"

5884'

6284'

6404'

Yates Petroleum Corporation Biplane Unit #4 - Reentry 660' FNL and 1980' FWL Section 15-T6S-R27E Chaves County, New Mexico Exhibit "E-2"

Cam