Form 3160-3 (August 1999) 11 earthen pits are used in association with the drilling of this well, an OCD pit permit must be obtained prior to pit construction.

UNITED STATES

DEPARTMENT OF THE INTERIOR

OMB No. 1004-0136 Expires November 30, 2000

	BUREAU OF LAND MANAG	EMENT	in Contrar as	1718,20	NM-81953		
APPLICAT	TION FOR PERMIT TO DI	RILL OR REENTE	R	1.00	6. If Indian, Allottee or Tribe	Name	
1a. Type of Work: X DRILI	REI	ENTER R-11	1-POT	ASH	7. If Unit or CA Agreement,	Name and No.	
b. Type of Well: X Oil Well	Gas Other	Single Zone	П м	Iultiple Zone	8. Lease Name and Well No. 13749 Glow Worm ALX Federal #11		
2. Name of Operator Yates Petroleum Corpora	ation 25	575			9. API Well No.	35313	
3A. Address 105 South Fourth	Street	3b. Phone No. (include	area code)		10. Field and Pool, or Explora	atory	
Artesia, New M			748-1471	Les I	Ne nidanos Delaware		
4. Location of Well (Report location of	•	•			11. Sec., T., R., M., or Blk, a	-	
At surface	330' FNL and				Section 3, T23	S-R31E	
At proposed prod. Zone		ame			12. Country on Bouish	13. State	
14. Distance in miles and direction fro	•				12. County or Parish		
Approximately 23 miles ea 15. Distance from proposed*	St of Carisbad, New Me.	16. No. of Acres in lea	se 1	7 Spacing I In	Eddy County it dedicated to this well	MM	
location to nearest property or lease line, ft. (Also to nearest drig. unit line, if an	33 0'	1716.94		7. Spacing on	NE/NW		
 Distance from proposed location* to nearest well, drilling, completed applied for, on this lease, ft. 	1980'	19. Proposed Depth 8200'	2	20. BLM/BIA E	M/BIA Bond No. on file NM-2811		
21. Elevations (Show whether DF, KD	B, RT, GL, etc.)	22. Approximate date	work will st	art*	23. Estimated duration		
3438'	GL	A	SAP		45 days		
		24. Attachment	ts	Cartsbad (Controlled Water Basi	Ŕ	
The following, completed in accordance	e with the requirements of Onshor	e Oil and Gas Order No.	1, shall be a	attached to this	form:		
1. Well plat certified by a registered su	ırveyor.	4. Bo	nd to cover	the operations	unless covered by an existing b	ond on file (see	
2. A Drilling Plan.		Ite	m 20 above)				
3. A Surface Use Plan (if the location	is on National Forest System Land	s, the 5. Ope	erator certific	cation.			
SUPO shall be filed with the approp	oriate Forest Service Office.	5	h other site : horized offic	•	ation and/or plans as may be red	quired by the	
25. Signature	man	Name (Printed			Date 1	/12/2006	
Regulatory Agent		* *					
Regulatory Agent							
Approved by (Signature)	inda S.C. Rundell	Name (Printed		C. Runde	Date	EC 1 9 2006	
STATE DIRE	CTOR	Office		STATE (
						11 11 1	

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 operations thereon.

Conditions of approval, if any, are attached.

APPROVAL FOR 1 YEAR

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.

DECLARED WATER BASIN Ched CEMENT BEHIND THE 133/8 CASING MUST BE CIRCULATED WITNESS

CEMENT BEHIND THE CASING MUST BE CIRCULATED APPROVAL SUBJECT TO **GENERAL REQUIREMENTS AND** SPECIAL STIPULATIONS

DISTRICT I 1625 M. Francis Dr., Hobbs, NM 88248 DISTRICT II 811 South First, Artesia, NM 88210 DISTRICT III 1000 Rio Brazos Rd., Aztec, NM 87410 DISTRICT IV 2040 South Pacheco, Santa Fe, NM 87506

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-102 Revised March 17, 1999 Instruction on back Submit to Appropriate District Office

State Lease - 4 Copies Fee Lease - 3 Copies

OIL CONSERVATION DIVISION P.O. Box 2088

Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API	Number		Ц(Pool Code	(2nda	s Les Mande	Pool Name Delawar	re	
Property	Code			GLO	Property Nam W WORM "ALX"	ie	ines	Well No	ımber
ogrid n 025575				YATES	-	Operator Name Elevation PETROLEUM CORPORATION 3438			
					Surface Loc	ation .			
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
LOT 3	3	235	31E 330 NORTH 2310				WEST	EDDY	

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 Co	nsolidation C	ode Or	ier No.	· · · · · · · · · · · · · · · · · · ·			
40									

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 ALLKOVED DI III	
2310' Lot 4	3429 3 34 Lot 3 NM~81953	N.32°20'23.4" W.103°46'00.4" N.487766.2 E.675130.5	Lot 1	OPERATOR CERTIFICATION I hereby certify the the information centained herein is true and complete to the best of my knowledge and ballet.
	7011-81739			Cy Cowan Printed Name Regulatory Agent Title January 12, 2006 Date
				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 supervison, and that the same is true and correct to the best of my belief. 11/02/2005
				Date Surveyed Signature Wildows, of Professional Wildows, of Signature Wildows, of Sign

YATES PETROLEUM CORPORATION Glow Worm ALX Federal #11

330' FNL and 2310' FWL Section 3-T23S-R31E Eddy County, New Mexico

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

Rustler	380'
Base of Salt	4080'
Bell Canyon	4125'
Cherry Canyon	5040'
Brushy Canyon	6400'
Bone Spring	8030'
TD . J	8200'

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

Water:

354'

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)

Hole Size	Casing Size	Wt./Ft	<u>Grade</u>	Coupling	<u>Interval</u>	<u>Length</u>
17 ½"	13 3/8"	48#	H-40	ST&C	0-550'	550'
11"	8 5/8"	32#	J-55	ST&C	0-4050'	4050'
7 7/8"	5 ½"	17#	J-55	LT&C	0-100'	100'
7 7/8"	5 ½"	15.5#	J-55	LT&C	100'-6800'	6700'
7 7/8"	5 ½"	17#	J-55	LT&C	6800'-8200'	1400'

Yates Petroleum Corporation requests a variance to install a rotating head on the surface casing strings when intermediate casing will be set. If a BOP system is required then we wish to install a 2M system and receive a variance to test the system to 500# using the rig pumps. The test will be held for 30 minutes on each system component. Components to be tested include pipe rams, blind rams, and annular preventor.

Minimum Casing Design Factors: Collapse 1.125, Burst 1.0, Joint Strength 1.8

B. CEMENTING PROGRAM:

Surface casing: Lead with 500 sx Lite(Yld 1.96 Wt. 12.5) Tail in w/200 sx Class "C" + 2%

CaCL2 (YLD 1.34 WT 14.8).

Intermediate Casing: Lead in with 1150 sx Lite (Yld 2.5 Wt 11.9). Tail in w/250 sx Class

"C" + 2%CaCL2 (Yld 1.34 Wt. 14.8).

Production Casing: Stage I TOC 6400'; 150 Barrels nitrified mud ahead, lead DV tool

packer at 4000'. 450 sx Super H (Yld 1.67 Wt. 13). Tail in w/50 sx

ThixoTropic (Yld 1.4 Wt 14.4).

Stage II Lead with 350 sx Lite (Yld 2.5 Wt 11.9) Tail in with 50 sx

Premium (Yld 1.3 Wt 14.8)

5. MUD PROGRAM AND AUXILIARY EQUIPMENT:

<u>Interval</u>	Type	<u>Weight</u>	<u>Viscosity</u>	Fluid Loss
0-550'	FW/Native Mud	8.6-9.2	28-36	N/C
550'-4050'	Brine	10.0-10.2	28	N/C
4050'-6900'	Cut Brine	8.6-9.1	28	N/C
6900'-8200'	Cut Brine/Starch	8.6-9.1	28-32	<15cc

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blow out will be available at the well site during drilling operations. Mud will be checked hourly by rig personnel.

6. EVALUATION PROGRAM:

Samples: Every 10' from surface casing to TD.

Logging: Platform HALS: CMR.

Coring: Sidewall cores as warranted.

DST's: As warranted.

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

Anticipated BHP:

From: 0 TO: 550' Anticipated Max. BHP: 260 PSI From: 550' TO: 4050' Anticipated Max. BHP: 2150 PSI Anticipated Max. BHP: 3880 PSI

No abnormal pressures or temperatures are anticipated.

Lost Circulation Zones Anticipated: None

H2S Zones Anticipated: None Anticipated

8. ANTICIPATED STARTING DATE:

Plans are to drill this well as soon as possible after receiving approval. It should take approximately 30 days to drill the well with completion taking another 15 days.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN YATES PETROLEUM CORPORATION

Glow Worm ALX Federal #11

330' FNL and 2310' FWL Section 3-T23S-R31E Eddy County, New Mexico

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

1. EXISTING ROADS:

Exhibit A is a portion of the BLM map showing the well and roads in the vicinity of the proposed location. The proposed well site is located approximately 23 miles east of Carlsbad, New Mexico and the access route to the location is indicated in red and green on Exhibit A.

DIRECTIONS:

Go East of Carlsbad on Highway 62-180 to Hwy 31. Turn south on Hwy 31 and go to Hwy 128 (Jal Highway). Turn east and go approx. 16 miles to Red Road (CR-802). Turn left on Red Rd. and go approx. 7 miles to Mills Ranch Road (CR-798). Turn left here and go approx. 2.2 of a mile. Turn left here (there will be a blue marker here with H-175 on it) and go approx. 0.3 this spot will be just past a big WIPP sign. The new road will start here going east for approximately .4 of a mile to the southwest corner of the proposed Glow Worm #11 location. Please note you will pass the proposed Glow Worm ALX Federal #12 location on the way to the #11.

2. PLANNED ACCESS ROAD:

- A. The proposed new access will go east for approximately 0.4 to the southwest corner of the drilling pad. The road will lie in a west to east direction.
- B. The new road will be 14 feet in width (driving surface) and will be adequately drained to control runoff and soil erosion.
- C. The new road will be bladed with drainage on one side. Some traffic turnouts will be built.
- D The route of the road is visible.
- E Existing roads will be maintained in the same or better condition.

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 not any 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.

LOCATION AND TYPE OF WATER SUPPLY:

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

6. SOURCE OF CONSTRUCTION MATERIALS:

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

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 landfill. Burial on site is not approved.

8. ANCILLARY FACILITIES:

None

9. WELLSITE LAYOUT:

- A. Exhibit C shows the relative location and dimensions of the well pad, the reserve pits, the location of the drilling equipment, rig orientation and access road approach.
- B. The reserve pits will be plastic lined.
- C. A 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. 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: Federal Surface, Administered by Bureau of Land Management, Carlsbad, New Mexico.

Glow Worm ALX Federal #11 Page 3

12. OTHER INFORMATION:

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

13. OPERATOR'S REPRESENTATIVE:

A. Through A.P.D. Approval:

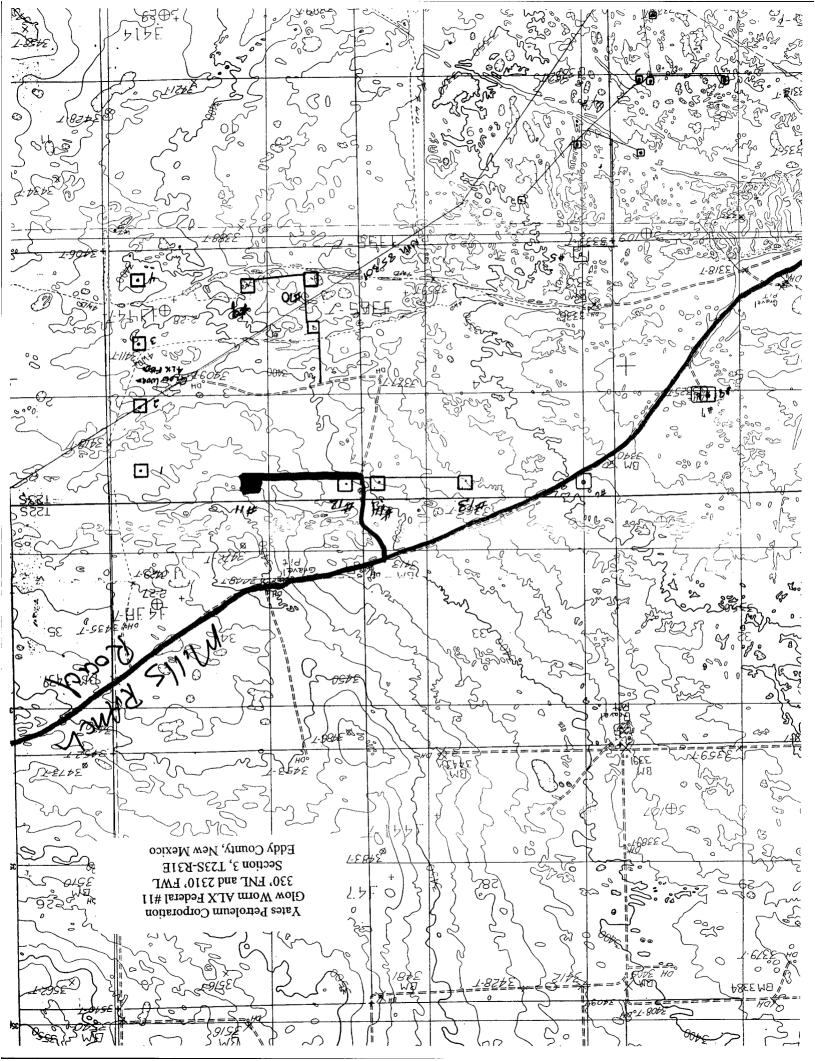
Cy Cowan, Regulatory Agent Yates Petroleum Corporation 105 South Fourth Street Artesia, New Mexico 88210 Phone (505) 748-1471 B. Through Drilling Operations, Completions and Production: Pinson McWhorter, Operations Manager Yates Petroleum Corporation 105 South Fourth Street Artesia, New Mexico 88210 Phone (505) 748-1471

14. CERTIFICATION:

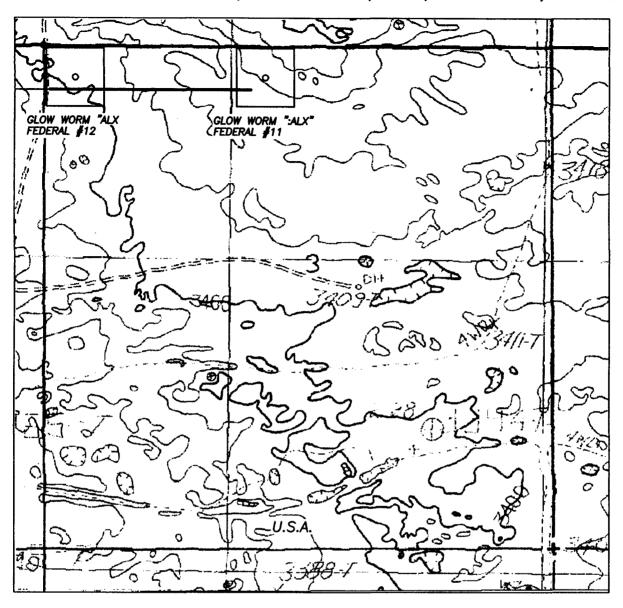
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and, that the work associated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

1/12/06

Regulatory Agent



SECTION 3, TOWNSHIP 23 SOUTH, RANGE 31 EAST, NMPM, EDDY COUNTY, NEW MEXICO.



2000' 1000 Scale 1" = 1000'

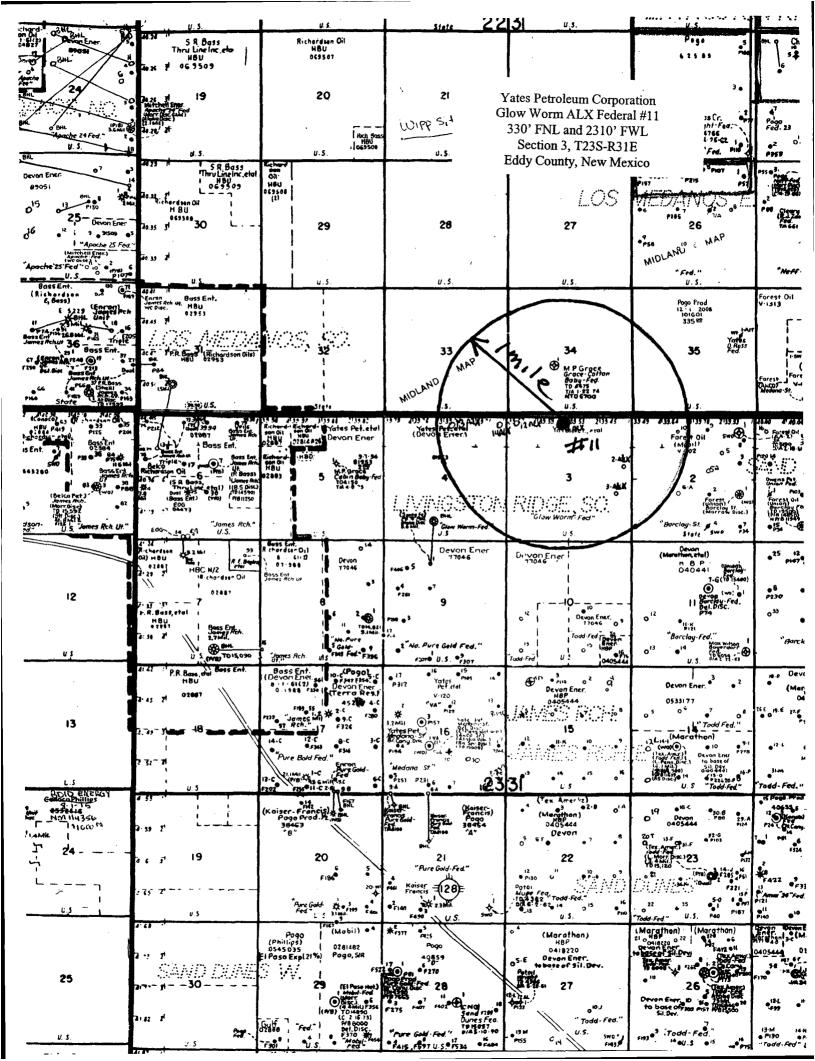
THE PREPARATION OF THIS PLAT AND THE PERFORMANCE OF THE SURVEY UPON WHICH IT IS BASED WERE DONE UNDER MY DIRECTION AND THE PLAT ACCURATELY DEPICTS THE RESULTS OF SAID SURVEY AND MEET THE REQUIREMENTS OF THE STANDARDS FOR LAND SURVEYS IN NEW MEXICO AS ADOPTED BY THE NEW MEXICO STAND FROM THE PROPESSIONAL ENGINEERS AND SURVEY DOS TO RECISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEY DOS

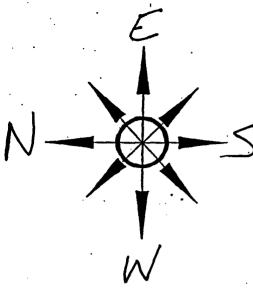
GENERAL SURVE **/**P.O. BOX 1928 LOVINGTON, W MEXICO 88260

YATES PETROLEUM CORP.

LEASE ROAD TO ACCESS THE YATES GLOW WORM "ALX" FEDERAL #11 & 12 WELLS, LOCATED IN SECTION 3, TOWNSHIP 23 SOUTH, RANGE 31 EAST, NMPM, EDDY COUNTY, NEW MEXICO.

Survey Date: 11/02/2005	Sheet 1 of 1 Sheets	
Drown By: Ed Blevins	W.O. Number	
Date: 11/02/05	Scale 1" = 1000' GLOW WORK	V

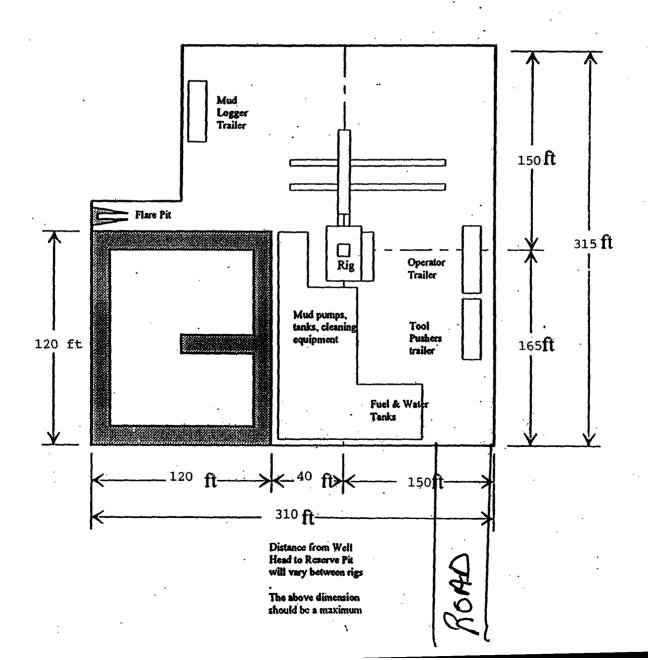




Yates Petroleum Corporation Location Layout for Permian Basin Up to 12,000'

Pits North

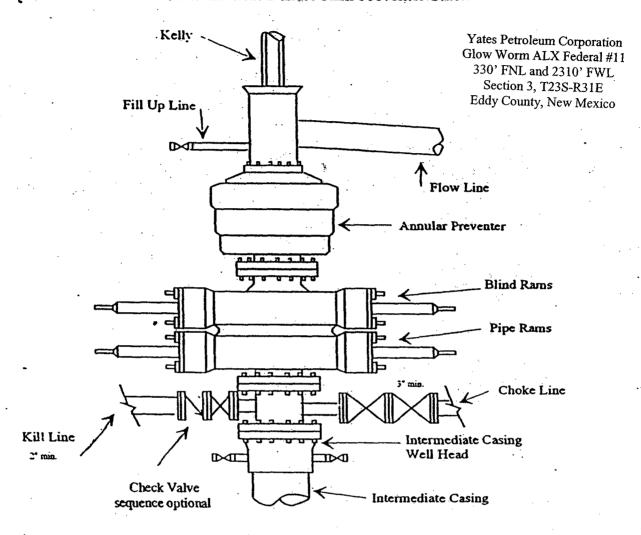
Yates Petroleum Corporation Glow Worm ALX Federal #11 330' FNL and 2310' FWL Section 3, T23S-R31E Eddy County, New Mexico



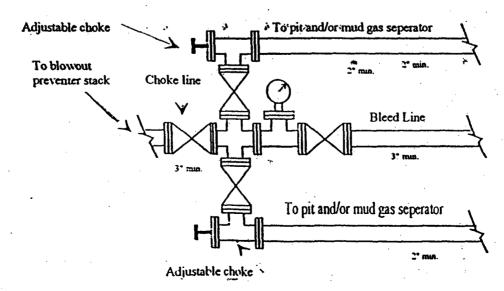


Yates Petroleum Corporation

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



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



District I 1625 N. French Dr., Hobbs, NM 88240 District III

District III

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.

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office Santa Fe, NM 87505

	de Tank Registration or Closk covered by a "general plan"? Yes 1		
	r below-grade tank Closure of a pit or below-		
Operator: <u>YATES PETROLEUM CORPORATION</u> Telephone: <u>(505)</u> 748-14 Address: 105 South Fourth Street, Artesia, NM 88210	e-mail address:		
	5-353/3 U/L or Qtr/Qtr <u>C</u> Sec <u>3</u> T	23C D 31E	
County: Eddy Latitude N322023.4 Longitude W103.4600.4	_		dian 🗆
Editido 14522023.4 Edigido 14 105.4000.4	_ TAND. TAZA TAOS A SUITACE OWNER FEUCIAL	X State Thvate III	
<u>Pit</u>	Below-grade tank		
Type: Drilling X Production Disposal	Volume:bbl Type of fluid:		_
Workover	Construction material:		
Lined X Unlined	Double-walled, with leak detection? Yes If		
Liner type: Synthetic X Thickness 12 mil Clay ☐ Volume 20,000 bbl			
100000000000000000000000000000000000000	Less than 50 feet	(20 points)	
Depth to ground water (vertical distance from bottom of pit to seasonal high	50 feet or more, but less than 100 feet	(10 points)	
water elevation of ground water.) 970'	100 feet or more	(0 points)	0 Points
	Too feet of more	(o points)	0 I Ollius
Wellhead protection area: (Less than 200 feet from a private domestic	Yes	(20 points)	
water source, or less than 1000 feet from all other water sources.)	No	(0 points)	0 Points
Distance to surface material distance to all surface developments	Less than 200 feet	(20 points)	
Distance to surface water: (horizontal distance to all wetlands, playas,	200 feet or more, but less than 1000 feet	(10 points)	
irrigation canals, ditches, and perennial and ephemeral watercourses.)	1000 feet or more	(0 points)	0 Points
	Ranking Score (Total Points)		0 Points
If this is a pit closure: (1) attach a diagram of the facility showing the pit's onsite foffsite foffsite, name of facility foroundwater encountered: No foroundwater encountered: Yes for fixed for facility facility for facility for facility for facility for facility facili	(3) Attach a general description of remedial	•	
	w ground surfaceit. and attach sai	inple results. (3) Attach s	on sample results and a
diagram of sample locations and excavations.			
I hereby 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: 1/12/06	my knowledge and belies. That there certify that general permit X or an (attached) diternative	the above-described pit ve OCD-approved plan	or below-grade tank has □.
Printed Name/Title Cy Cowan, Regulatory Agent	Signature ()	50n	
Your certification and NMOCD approval of this application/closure does not otherwise endanger public health or the environment. Nor does it relieve the oregulations.			
Approval:			
Date:			
Printed Name/Title	Signature		

SPECIAL DRILLING STIPULATIONS

THE FOLLOWING DATA IS REQUIRED ON THE WELL SIGN

Operator's Name: Yates Petroleum Corporation Well Name & #: Glow Worm ALX Fed. #11 Location 330 F N L & 2310 F W L; Sec. 03 , T. 23 S., R. 31 E.
Lease #: NM-81953 County: Eddy State: New Mexico
The Special stipulations check marked below are applicable to the above described well and approval of this application to drill is conditioned upon compliance with such stipulations in addition to the General Requirements. The permittee should be familiar with the General Requirements, a copy of which is available from a Bureau of Land Management office. EACH PERMITTEE HAS THE RIGHT OF ADMINISTRATIVE APPEAL TO THESE STIPULATIONS PURSUANT TO TITLE 43 CRF 3165.3 AND 3165.4.
This permit is valid for a period of one year from the date of approval or until lease expiration or termination whichever is shorter.
I. SPECIAL ENVIRONMENT REQUIREMENTS
(x) Lesser Prairie Chicken (stips attached)() Flood plain (stips attached)() San Simon Swale (stips attached)() Other
II. ON LEASE - SURFACE REQUIREMENTS PRIOR TO DRILLING
(x) The BLM will monitor construction of this drill site. Notify the (x) Carlsbad Field Office at (505) 234-5972 () Hobbs Office (505) 393-3612, at least 3 working days prior to commencing construction.
(x) Roads and the drill pad for this well must be surfaced with <u>6</u> inches of compacted caliche upon completion of well and it is determined to be a producer.
() All topsoil and vegetation encountered during the construction of the drill site area will be stockpiled and made available for resurfacing of the disturbed area after completion of the drilling operation. Topsoil on the subject location is approximatelyinches in depth. Approximatelycubic yards of topsoil material will be stockpiled for reclamation.
() Other.
III. WELL COMPLETION REQUIREMENTS
() A Communitization Agreement covering the acreage dedicated to the well must be filed for approval with the BLM. The effective date of the agreement must be prior to any sales.
(x) Surface Restoration: If the well is a producer, the reserve pit(s) will be backfilled when dry, and cut-and-fill slopes will be reduced to a slope of $3:1$ or less. All areas of the pad not necessary for production must be re-contoured to resemble the original contours of the surrounding terrain, and topsoil must be re-distributed and re-seeded with a drill equipped with a depth indicator (set at depth of $\frac{1}{2}$ inch) with the following seed mixture, in pounds of Pure Live Seed (PLS), per acre.
() A. Seed Mixture 1 (Loamy Sites) (x) B. Seed Mixture 2 (Sandy Sites) Side Oats Grama (Bouteloua curtipendula) 5.0 Sand Dropseed (Sporobolus cryptandrus) 1.0 Sand Lovegrass (Eragostis trichodes) 1.0 Plains Bristlegrass (Setaria magrostachya) 2.0
() C. Seed Mixture 3 (Shallow Sites) Side oats Grama (Boute curtipendula) 1.0 () D. Seed Mixture 4 (Gypsum Sites) Alkali Sacaton (Sporobollud airoides) 1.0 Four-Wing Saltbush (Atriplex canescens) 5.0
() OTHER SEE ATTACHED SEED MIXTURE
Seeding should be done either late in the fall (September 15 - November 15, before freeze up, or early as possible the following spring to take advantage of available ground moisture.
(x) Other SEE ATTACHED DOI – WIPP SPECIAL CONDITIONS OF APPROVAL

RESERVE PIT CONSTRUCTION STANDARDS

The reserve pit shall be constructed entirely in cut material and lined with 6-mil plastic. Mineral material extracted from within the boundary of the APD during construction of the well pad and reserve pits and be used for the construction of this well pad and its immediate access road only, as long as that portion of the access road it is use on remains on-lease. Removal of any additional material from this location for construction or improvement of other well pads and other access or lease roads must first be purchased from BLM.

<u>Reclamation</u>: Reclamation of this type of deep pit will consist of pushing the pit walls into the pit when sufficiently dry to support track equipment. The pit liner is NOT TO BE RUPTURED to facilitate drying; a ten month period after completion of the well is allowed for drying of the pit contents.

The pit area must be contoured to the natural terrain with all contaminated drilling mud buried with at least 3 feet of clean soil. The reclaimed area will then be seeded as specified in this permit.

OPTIONAL PIT CONSTRUCTION STANDARDS

The reserve pit may be constructed in predominantly fill material if:

- (1) Lined as specified above and
- (2) A temporary or emergency pit may be constructed immediately adjacent to the reserve pit as long as the pit remains within the APD boundary. Mineral material removed from this pit may be used for the construction of this well pad only and its immediate access road, as long as that portion of the access road the material is used on remains on-lease. Removal of any material from the APD boundary for use on other well locations or roads must first be purchased from BLM.

Reclamation of the reserve pit consists of bulldozing all reserve pit contents and contaminants into the borrow pit and covering with a minimum of 3 feet of clean soil material. The entire area must be re-contoured, all trash removed, and reseeded as specified in this permit.

CULTURAL

Whether or not an archaeological survey has been completed and notwithstanding that operations are being conducted as approved, the lessee/operator/grantee shall notify the BLM immediately if previously unidentified cultural resources are observed during surface disturbing operations. From the time of the observation, the lessee/operator/grantee shall avoid operations that will result in disturbance to these cultural resources until directed to process by BLM.

TRASH PIT STIPS

All trash, junk, and other waste material shall 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 permitted.

PRAIRIE CHICKENS

No surface use is allowed during the following time periods; unless otherwise specified, this stipulation does not apply to operation and maintenance of production facilities.

On the lands described below:

T. 23 S., R. 31 E Section 03, 04, 05: ALL

For the purpose of: Protecting Prairie Chickens:

Drilling for oil and gas, and 3-D geophysical exploration operations will not be allowed in Lesser Prairie Chicken Habitat during the period of March 15 through June 15, each year. During that period, other activities that produce noise or involve human activity, such as the maintenance of oil and gas facilities, geophysical exploration other than 3-D operations, and pipeline, road, and well pad construction, will be allowed except between 3:00 a.m. and 9:00 a.m. The 3:00 a.m. and 9:00 a.m. restriction will not apply to normal, around-the-clock operations, such as venting, flaring, or pumping, which do not require a human presence during the period. Additionally, no new drilling will be allowed within up to 200 meters of leks know at the time of permitting. Normal vehicle use on existing roads will not be restricted. Exhaust noise from pump jack engines must be muffled or otherwise controlled so as not to exceed 75 db measured at 30 feet from the source of the noise.

BLM Lease Number: NM-81953

Well Name & Number: Glow Worm ALX Federal #11

Location: 330 FNL & 2310 FWL, Sec. 3, T.23S., R.31E. SHL

Operator: Yates Petroleum Corporation

SPECIAL CONDITION OF APPROVAL

Your proposed well location falls within 330 feet of the Department of Energy's (DOE) Waste Isolation Pilot Plant (WIPP) boundary.

In accordance with 43 CFR 3162.4-2 and pursuant to a Memorandum of Understanding (MOU) between BLM & DOE, the operator is required to submit daily drilling reports (including borehole deviation survey results) by facsimile to Mr. Gene Valett of DOE's WIPP Office [FAX #: (505) 234-7113; Phone #: (505) 234-7553] and Mr. Harold Johnson DOE's WIPP Office [FAX #: (505) 234-7061; Phone #: (505) 234-7349].

The operator is also required to perform a directional survey to establish bottomhole location on wells that experience deviation averages of more than five degrees from vertical in any 500-foot interval.

CONDITIONS OF APPROVAL - DRILLING

Operator's Name: Yates Petroleum Corporation Well No. 11 - Glow Worm ALX Federal

Location: 330' FNL & 2310' FWL sec. 3, T. 23 S., R. 31 E.

Lease: NM-81953

I. DRILLING OPERATIONS REQUIREMENTS:

1. The Bureau of Land Management (BLM) is to be notified at (505) 234-5972 in sufficient time for a representative to witness:

- A. Spudding
- B. Cementing casing: <u>13-3/8</u> inch <u>8-5/8</u> inch <u>5-1/2</u> inch
- 2. Include the API No. assigned to well by NMOCD on the subsequent report of setting the first casing string.
- 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 of this office.
- 4. Gamma-Ray/Neutron logs shall be run from the base of the Salado formation to the surface; cable speed not to exceed 30 feet per minute.

II. CASING:

- 1. 13-3/8 inch surface casing should be set at approximately 550 feet in the Rustler Anhydrite above the top of the Salt, below usable water and circulate cement to the surface. If cement does not circulate to the surface, the Carlsbad BLM office shall be notified at (505) 234-5972 and a temperature survey or cement bond log shall be run to verify the top of the cement. Remedial cementing shall be completed prior to drilling out that string.
- 2. Minimum required fill of cement behind the <u>8-5/8</u> inch salt protection casing is <u>sufficient to circulate to the surface</u>.
- 3. Minimum required fill of cement behind the 5-1/2 inch production casing is sufficient to tie circulate to the surface.
- 4. Whenever a casing string is cemented in the R-111-P Potash Area, cement shall be allowed to stand a minimum of twelve (12) hours under pressure and a total of twenty-four (24) hours before drilling the plug or initiating tests.

III. PRESSURE CONTROL:

- 1. Before drilling below the 13-3/8 inch surface casing, the blowout preventer assembly shall consist of a minimum of One Annular Preventer or Two Ram-Type Preventers and a Kelly Cock/Stabbing Valve. Before drilling below the 8-5/8 inch salt protection casing, the blowout preventer assembly shall consist of a minimum of One Annular Preventer, Two Ram-Type Preventers, and a Kelly Cock/Stabbing Valve.
- 2. Before drilling below the 13-3/8 inch surface casing, minimum working pressure of the blowout preventer and related equipment (BOPE) shall be 2000 psi. Before drilling below the 8-5/8 inch salt protection casing, minimum working pressure of the blowout preventer and related equipment (BOPE) shall be 3000 psi.
- 3. The BOPE shall be installed before drilling below the <u>8-5/8</u> inch salt protection casing and shall be tested as described in Onshore Order No. 2. Any equipment failing to test satisfactorily shall be repaired or replaced.
- A. The results of the test will be reported to the BLM Carlsbad Resource Area office at 620 East Greene Street, Carlsbad, New Mexico 88220-6292.
- B. 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.
- C. Testing must be done in a safe workman like manner. Hard line connections shall be required.
- D. A variance to test the BOPE to a reduced pressure of <u>1300</u> psi using the rig pumps before drilling below the <u>13-3/8</u> inch surface casing string is approved.