

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB NO 1004-0137
Expires July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5 Lease Serial No. NM-81953							
b. Type of Completion. <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr., Other: _____		6 If Indian, Allottee or Tribe Name							
2 Name of Operator Yates Petroleum Corporation		7 Unit or CA Agreement Name and No							
3 Address 105 S. 4th Str., Artesia, NM 88210		3a. Phone No (include area code) 575-748-1471							
4 Location of Well (Report location clearly and in accordance with Federal requirements)* At Surface 330'FNL & 330'FEL (Unit A, NENE) At top prod. Interval reported below Same as above At total depth Same as above		8 Lease Name and Well No Glow Worm ALX Federal #14							
14. Date Spudded RH 9/10/07 RT 9/12/07		15. Date T.D. Reached 9/26/07							
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 11/1/07		9 API Well No 30-015-35316							
18 Total Depth MD 8290' TVD NA		19 Plug Back T.D. MD 8246' TVD NA							
20. Depth Bridge Plug Set MD NA TVD NA		10 Field and Pool or Exploratory Los Medanos; Delaware							
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CNL, Hi-Res Laterolog Array, CBL		11 Sec., T., R., M., on Block and Survey or Area Section 4-T23S-R31E							
22 Was Well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit copy)		12 County or Parish Eddy 13 State New Mexico							
23 Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt (#/ft.)	Top (MD)	Bottom(MD)	State Cementer Depth	No of Sk & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
17-1/2"	20"	Cond.	Surface	40'		Redi-mix		Surface	
11"	13-3/8"	48#	Surface	552'		525 sx		Surface	
7-7/8"	8-5/8"	24#,32#	Surface	4047'		1375 sx		Surface	
	5-1/2"	15.5#,17#	Surface	8290'		1175 sx		Surface	
24 Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2-7/8"	8184'								
25 Producing Intervals									
Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status			
A) Delaware	8078'	8102'	8078'-8102'		25	Producing			
B)									
C)									
D)									
26 Perforation Record									
27 Acid, Fracture, Treatment, Cement Squeeze, Etc									
Depth Interval		Amount and Type of Material							
8078'-8102'		Spearhead 3000g 7-1/2% NEFE acid. Frac w/29,000g Silverstim LT-R-13 w/50,000#							
		Expedite 20/40 white sand							
		Re-frac w/33,700g Silverstim LT-R-13 w/50,000# 20/40 Ottawa sand							
28 Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
11/1/07	11/6/07	24	→	39	68	400	NA	NA	Pumping
Choke Size	Tbg Press Flwg	Csg Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
NA	200 psi	60 psi	→	39	68	400	NA		
28a Production-Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			→						
Choke Size	Tbg Press Flwg	Csg Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

*(See instructions and spaces for additional data on page 2)

ACCEPTED FOR RECORD

NOV 9 2007

JERRY FANT
PETROLEUM GEOLOGIST

28b Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg	Csg Press	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
Choke Size	Tbg Press Flwg	Csg Press	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

30 Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

31 Formation (Log) Markers

Formation	Top	Bottom	Description, Contents, etc	Name	Top
					Meas Depth
				Rustler	554'
				BOS	3977'
				Bell Canyon	4280'
				Cherry Canyon	5240'
				Brushy Canyon	6962'
				Bone Spring	8151'

32. Additional remarks (include plugging procedure).

33 Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd)
 ☐ Geologic Report
 ☐ DST Report
 ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☒ Other Deviation Survey

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

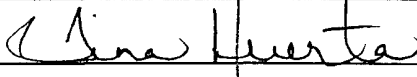
Name (please print)

Tina Huerta

Title

Regulatory Compliance Supervisor

Signature



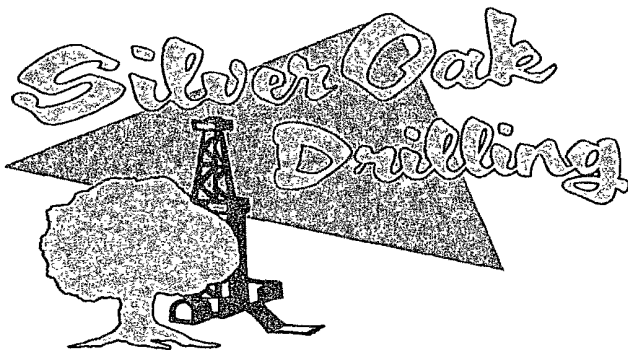
Date

November 5, 2007

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

(Continued on page 3)

(Form 3160-4, page2)



PO Box 1370
Artesia, NM 88211-1370
(505) 748-1288

October 3, 2007

Yates Petroleum Corporation
105 S. 4th
Artesia, NM 88211-1395

RE: Glow Worm ALX Federal #14
330' FNL & 330' FEL
Sec. 4, T23S, R31E
Eddy County, New Mexico

Dear Sir,

The attached is the Deviation Survey for the above captioned well.

(Attached Edited Pason Survey)

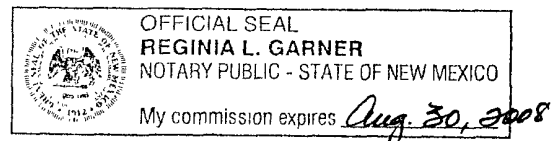
Very truly yours,

A handwritten signature in cursive script, appearing to read "Eddie C. LaRue".

Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 3rd day of October, 2007.

A handwritten signature in cursive script, appearing to read "Regina L. Garner".
Notary Public

Pason DataHub Deviation Survey 2007/10/02 14:08:33
 # Well Dossier 1189616319 - Glowworm ALX Fed 14 -- Edited
 #
 #

Date	Depth	Dev	Dir	TVD	Horiz Disp
09/13/2007	214.00	0.75	0.00	0.00	0.00
09/13/2007	522.00	0.75	0.00	552.00	0.00
09/13/2007	397.00	0.75	0.00	439.00	0.00
09/15/2007	565.00	0.60	296.30	610.00	0.00
09/16/2007	749.00	0.79	251.28	0.00	0.00
09/16/2007	998.00	0.88	251.63	0.00	0.00
09/16/2007	1216.00	0.97	259.81	0.00	0.00
09/16/2007	1465.00	0.70	266.21	0.00	0.00
09/16/2007	1776.00	0.88	263.94	0.00	0.00
09/17/2007	2087.00	0.97	241.26	0.00	0.00
09/17/2007	2398.00	1.32	246.27	0.00	0.00
09/17/2007	2492.00	1.14	257.61	0.00	0.00
09/17/2007	2804.00	1.23	250.32	0.00	0.00
09/18/2007	3115.00	1.85	238.45	3160.00	0.00
09/18/2007	3365.00	1.23	219.29	0.00	0.00
09/18/2007	3738.00	2.29	150.65	0.00	0.00
09/19/2007	3894.00	2.37	144.41	3939.00	0.00
09/19/2007	3956.00	2.16	153.45	4001.00	0.00
09/21/2007	4241.00	1.00	0.00	4281.00	0.00
09/21/2007	4488.00	1.50	0.00	4561.00	0.00
09/22/2007	4738.00	1.50	0.00	4810.00	0.00
09/22/2007	4988.00	2.25	0.00	5060.00	0.00
09/22/2007	5238.00	1.25	0.00	0.00	0.00
09/22/2007	5548.00	1.00	0.00	5621.00	0.00
09/23/2007	5828.00	1.25	0.00	5900.00	0.00
09/23/2007	6140.00	1.25	0.00	6212.00	0.00
09/23/2007	6421.00	2.00	0.00	0.00	0.00
09/23/2007	6722.00	1.75	0.00	6804.00	0.00
09/24/2007	7042.00	0.75	0.00	7114.00	0.00
09/24/2007	7417.00	0.75	0.00	0.00	0.00
09/25/2007	7699.00	1.50	0.00	0.00	0.00
09/25/2007	7980.00	1.50	0.00	8021.00	0.00
09/26/2007	8250.00	1.75	0.00	8290.00	0.00

EOF



DIRECTIONAL SURVEY REPORT

YATES PETROLEUM

GLOW WORM ALX FED #14

EDDY COUNTY, NEW MEXICO

PREPARED BY: CODY MEBANE

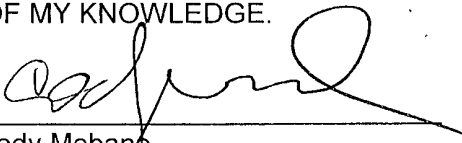
Pathfinder Energy Services, Inc.
6213 W. County Road 112 • Midland, TX • 79706
(432)681-6000

DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
2. NAME OF PERSON(S) PERFORMING SURVEY:
A) JUSTIN FALLIN
3. POSITION OF SAID PERSON(S): (A-F) SURVEYORS (FIELD ENGINEERS)
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 9/15/07 TO 9/19/07
5. STATE IN WHICH SURVEY WAS PERFORMED: NEW MEXICO
6. LOCATION OF WELL: EDDY COUNTY, NM
7. TYPE OF SURVEY(S) PERFORMED: MWD
8. COMPLETE IDENTIFICATION OF WELL:

YATES PETROLEUM
GLOW WORM ALX FED #14
EDDY COUNTY, NM
RIG: SLIVER OAK #6
9. SURVEY CERTIFIED FROM: 511 TO 3956 FEET MEASURED DEPTH.

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 58.52 FEET ON A BEARING OF 225.41 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT A PROJECTED BIT DEPTH OF 4047 FEET, ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.


Cody Mebane
M/LWD SERVICE COORDINATOR

PATHFINDER

ENERGY SERVICES

DIRECTIONAL SURVEY INFORMATION

Prepared By: Cody Mebane

Name of Client: Yates Petroleum

Attention: _____

☒ Directional Only Job OR ☐ Logging Job

Name(s) of Persons Performing Surveys:

A) Justin Fallin D) _____
B) _____ E) _____
C) _____ F) _____

Positions of Said Persons: Surveyors / Field Engineers: Other _____

Date(s) Survey was Performed: From 15-Sep To 19-Sep

Type of Survey Performed: (Specify if other than MWD) _____

IDENTIFICATION OF WELL:

Client:	<u>Yates Petroleum</u>	Rig Name:	<u>SilverOak # 6</u>
Well No.:	<u>Glow Worm ALX Fed #14</u>	API No.:	<u>30-015-35316</u>
Location:	<u>Eddy County</u>	Job No.:	<u>101006772-WT-WT</u>
State:	<u>N.M.</u>		

TEXAS RAILROAD COMMISSION INFORMATION:

Field: _____

Abstract No.: _____
Well Plat Survey Co.: _____

Surveys Performed From 511 Feet TO 3956 Feet

MMS / ASCII / LAS Diskette Filename: _____

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOW THE WELL TO BE DISPLACED AT 58.52
FEET ON A BEARING OF 225.41 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT
A PROJECTED DEPTH OF 4047 FEET, ARE TRUE AND
CORRECT TO THE BEST OF MY KNOWLEDGE.

PathFinder Energy Services, Inc.

BHL Report

Page 01/01
Tie-in Date: 10/15/2007
Date Completed: 10/19/2007

YATES PETROLEUM
GLOW WORM ALX FEDERAL #14
EDDY COUNTY, NEW MEXICO
Rig: SILVEROAK # 6
PathFinder Office Supervisor: CODY MEBANE
PathFinder Field Engineers: J. FALLIN

Survey Horiz. Reference: WELLHEAD
Ref Coordinates: LAT: 32.20.22.9596 N LON: 103.46.29.4420 W
GRID Reference: NAD27 new mexico east Transverse Mercator
Ref GRID Coord: X: 672488.2522 Y: 487752.4309
North Aligned To: GRID NORTH
Total Magnetic Correction: 7.83° EAST TO GRID
Vertical Section Plane: 0.00
Survey Vert. Reference: 17.00' Rotary Table To MSL
Water Depth: 3395.00' MSL TO SEABED

Measured Depth	4047.00	(feet)
Inclination	2.16	(deg)
Azimuth	153.55	(deg)
True Vertical Depth	4046.08	(feet)
Vertical Section	-41.08	(feet)
Survey X cord	672446.53	(feet)
Survey Y cord	487711.22	(feet)
Survey Lat	32.33959832 N	(deg)
Survey Lon	103.77498079 W	(deg)
Rectangular Corr. N/S	41.08 S	(feet)
Rectangular Corr. E/W	41.67 W	(feet)
Closure Distance	58.52	(feet)
Direction of Closure	225.41	(deg)
Dogleg Severity	0.00	(deg/100ft)

PathFinder Energy Services, Inc.

Survey Report

YATES PETROLEUM
GLOW WORM ALX FEDERAL #14
EDDY COUNTY, NEW MEXICO
Rig:SILVEROAK # 6
PathFinder Office Supervisor: CODY MEBANE
PathFinder Field Engineers: J.FALLIN

Page 01/01
Tie-in Date: 10/15/2007
Date Completed: 10/19/2007

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:32.20.22.9596 N LON:103.46.29.4420 W
Reference:NAD27 new mexico east Transverse Mercator
Ref GRID Coord: X: 672488.2522 Y: 487752.4309
North Aligned To:GRID NORTH
Total Magnetic Correction: 7.83° EAST TO GRID
Vertical Section Plane: 0.00
Survey Vert. Reference: 17.00' Rotary Table To MSL
Water Depth:3395.00' MSL TO SEABED

Survey Calculations by RX5 V5.11E using Minimum Curvature

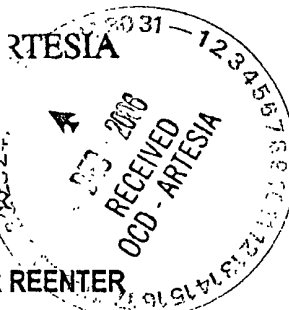
Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Retangular (ft)	Offsets (ft)	Closure Dist (ft)	Dir (deg)	DLS (dg/100ft)
TIE-IN INFORMATION PROVIDED BY PATHFINDER ENERGY.										
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00@	0.00	0.00
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.										
511.00	0.53	199.43	510.99	511.00	-2.23	2.23 S	0.79 W	2.36@	199.43	0.10
565.00	0.70	242.67	564.99	54.00	-2.62	2.62 S	1.16 W	2.86@	203.96	0.89
749.00	0.79	251.28	748.97	184.00	-3.54	3.54 S	3.36 W	4.88@	223.53	0.08
998.00	0.88	251.63	997.95	249.00	-4.69	4.69 S	6.80 W	8.26@	235.40	0.04
1216.00	0.97	259.81	1215.92	218.00	-5.55	5.55 S	10.21 W	11.62@	241.48	0.07
1465.00	0.70	266.31	1464.89	249.00	-6.02	6.02 S	13.80 W	15.05@	246.44	0.12
1776.00	0.88	263.94	1775.86	311.00	-6.39	6.39 S	18.07 W	19.17@	250.52	0.06
2087.00	0.97	241.26	2086.82	311.00	-7.91	7.91 S	22.75 W	24.09@	250.83	0.12
2398.00	1.32	246.27	2397.76	311.00	-10.62	10.62 S	28.34 W	30.26@	249.46	0.12
2492.00	1.14	257.61	2491.74	94.00	-11.25	11.25 S	30.25 W	32.27@	249.59	0.32
2804.00	1.23	250.32	2803.67	312.00	-13.05	13.05 S	36.43 W	38.70@	250.30	0.06
3115.00	1.85	238.45	3114.56	311.00	-16.80	16.80 S	43.85 W	46.96@	249.04	0.22
3365.00	1.23	219.29	3364.47	250.00	-20.99	20.99 S	48.99 W	53.29@	246.81	0.32
3738.00	2.29	150.65	3737.32	373.00	-30.58	30.58 S	47.87 W	56.81@	237.43	0.58
3894.00	2.37	144.41	3893.19	156.00	-35.92	35.92 S	44.47 W	57.16@	231.07	0.17
3956.00	2.16	153.55	3955.15	62.00	-38.01	38.01 S	43.20 W	57.54@	228.66	0.67
STRAIGHT LINE PROJECTION TO BIT @ 4047' MD.										
4047.00	2.16	153.55	4046.08	91.00	-41.08	41.08 S	41.67 W	58.52@	225.41	0.00

If earthen pits are used in association with the drilling of this well, an OCD pit permit must be obtained prior to pit construction.

Form 3160-3
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER



0
OMB No. 1004-0136
Expires November 30, 2000

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		R-111-POTASH	
b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		13749 Glow Worm ALX Federal #14	
2. Name of Operator Yates Petroleum Corporation		25575	
3a. Address 105 South Fourth Street Artesia, New Mexico 88210		3b. Phone No. (include area code) (505) 748-1471 Los Mendoceros Delaware	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface 330' FNL and 330' FEL At proposed prod. Zone Same		9. API Well No. 30-015-35316	
14. Distance in miles and direction from nearest town or post office* Approximately 23 miles east of Carlsbad, New Mexico.		10. Field and Pool, or Exploratory Section 4, T23S-R31E	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 330'		11. Sec., T., R., M., or Blk. and Survey or Area Eddy County NM	
16. No. of Acres in lease 1716.94		12. County or Parish Eddy County	
17. Spacing Unit dedicated to this well NW/NE		13. State NM	
18. Distance from proposed* location to nearest well, drilling, completed, applied for, on this lease, ft. 330'		14. Distance in miles and direction from nearest town or post office* Approximately 23 miles east of Carlsbad, New Mexico.	
19. Proposed Depth 8200'		20. BLM/BIA Bond No. on file NM-2811	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3395' GL		22. Approximate date work will start* ASAP	
23. Estimated duration 45 days		24. Attachments Carlsbad Controlled Water Basin	

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

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- 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).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized office.

25. Signature 	Name (Printed/Typed) Cy Cowan	Date 1/12/2006
Regulatory Agent		
Approved by (Signature) /s/ Linda S.C. Rundell	Name (Printed/Typed) /s/ Linda S.C. Rundell	Date DEC 19 2000
Title STATE DIRECTOR	Office NM STATE 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 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.

*(Instructions on reverse)

C-144 attached

R-111-P Potash

DECLARED WATER BASIN
CEMENT BEHIND THE 13 7/8"
CASING MUST BE CIRCULATED
WITNESS

CEMENT BEHIND THE 8 7/8"
CASING MUST BE CIRCULATED
WITNESS

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

DISTRICT I
1325 N. French Dr., Hobbs, NM 88240

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 87505

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	Pool Code 40297	Pool Name Unders. Los Mandanices; Delaware
Property Code	Property Name GLOW WORM "ALX" FEDERAL	Well Number 14
OGRID No. 025575	Operator Name YATES PETROLEUM CORPORATION	Elevation 3395

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
LOT 1	4	23S	31E		330	NORTH	330	EAST	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 40	Joint or Infill	Consolidation Code	Order No.						

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

Lot 4	Lot 3	N.32°20'23.4" W.103°46'31.2" N.487752.3 E.672488.2 (NAD-27)	Lot 2	Lot 1 NM-81953

OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Cy Cowan
Signature
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 supervision, and that the same is true and correct to the best of my belief.

11/02/2005
Date Surveyed
Signature & Seal
Professional Surveyor
HERSCHEL L. JONES
NEW MEXICO
36402
Certified Herschel L. Jones LS 3640
GLOW-WORM
PROFESSIONAL LAND SURVEYOR
GENERAL SURVEYING COMPANY

0 330' 660' 990' 1650' 1980' 2310' 2310' 1980' 1650' 990' 660' 330' 0'