Form 3160-4 (August 2007)

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UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

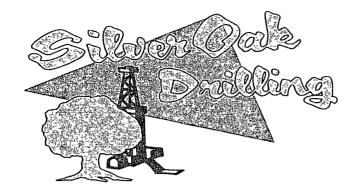
FORM APPROVED OMB NO 1004-0137 Expires July 31, 2010

	WELL	COMP	LETION OF	RECOMP	LETION	REPO	DRT	AND L	OG		5 Lease	e Senal No		
1a Type of Well	X on	Well	Gas Well	Dry	Other							NM	I-819	53
b Type of Comple	<u> </u>	New Well her:	Work Over	Deepen	Plug Ba	ck		Diff Re	svr,		6 If Indi	an, Allottee	or Tribe	e Name
2 Name of Oper					-					· <u>. </u>	7 Unit o	or CA Agreer	nent Na	ame and No
Yates Petro	leum Corp	oration												
3 Address				3a Phone No	(ınclude are	ea code)					8 Lease	e Name and	Well N	0
105 S. 4th S				575-748-							+-		<u>ALX</u>	Federal #14
4 Location of W	ell (<i>Report loc</i>	cation clear	rly and in accord	ance with Fedei	ral requireme	ents)*					9 APIV		15 21	-040
At Surface		330'F	FNL & 330'F	FI (Unit A N	VENE)						10 Field	30-0 d and Pool o		
At Gunaco		0001	112 0 0001	(·-· ·		N	0V 08	3 200	17			-	Delaware
		d bala .		Sar	ne as abo	ve		_			11 Sec	, T ,R ,M , o		
At top prod In	tervai reporte	a below	,	7511			00	CD-AF	RTES	SIA		ey or Area Section 4	1_T-2:	S-R31E
			•									nty or Parish		
At total depth	Same	as above	е								E	ddy	N	ew Mexico
14 Date Spudde	ed		15 Date T D Re	eached	16 Date Co	ompleted		1	1/1/07	7	17 Elev	rations (DF,F	RKB.RT	.GL)*
RH 9/10/0		2/07	9/26	6/07		D&A		X Ready	to Proc	i	1	3395'G		•
18 Total Depth	MD	8290'		9 Plug Back T D	MD	8246'	20 [Depth Brid	ao Plua	Sot	MD	NA		71310
16 Total Deptil	TVD	NA		5 Flug Dack I D	TVD	NA	120 '	эери ына	ge riug	361	TVD	NA		
	TVD	INA			T	INCV					100	INA		
21 Type Electric &	Other Mechani	cal Logs Rui	n (Submit copy of e	each)	22 Was W	ell cored		X No		Yes (S	ubmit an	alysis)		
CNI LI Dec	Lataralaa	Arroy C	ומי		Was D	ST run?	Ŀ	X] No		Yes (S	ubmit re	port)		
CNL, HI-Res	Laterolog	Allay, C	JDL .		Directio	nal Survey	? L	No	X,	Yes (S	ubmit co	ру)		
23 Casing and L	iner Record (Report all	strings set in we	·II)										
					Stat	e Cemen	ter	No of S	(s &	Slurry	/ Vol			
Hole Size	Size/Grade	Wt (#/ft		Bottm(MD)	Depth		Type of Ce		(BE	BL)	Cement		Amount Pulled
17-1/2"	20" 13-3/8"	Cond 48#					\dashv	Redi-r				Surfa Surfa	1	
11"	8-5/8"	24#,32					-	1375				Surfa		
7-7/8"	5-1/2"	15.5#,1			_		- 	1175				Surfa		
		,.										1	-	
24 Tubing Reco	rd	·	<u> </u>	_1								•		
Size	Depth Se	et (MD)	Packer Depth ((MD) Size	Depth	Set (MD)	Pac	ker Depth	(MD)	Size	Depth	Set (MD)	Pac	ker Depth (MD)
2-7/8"	8184'								L		<u> </u>			
25 Producing Ir								erforation						
A) Delaware	ormation		Top 8078'		Bottom 8102'			orated Inter 078'-810		Size		Holes 25		Perf Status Producing
B)			0070		0102		 	070-010	12	-,	+-	20		Toducing
C)							†							
D)														
27 Acid, Fractur	e, Treatment,	Cement S	queeze, Etc											
	oth Interval			0000 7 410	0.4			nd Type of				0 150 0		
8078'-8102'			Spearhead Expedite 20			acid F	rac w	1/29,000	g Silv	erstim	L I - R - 1	3 w/50,0)00#	
				3,700g Silve		2-13 w/	50.00	n# 20/4	O Ott	awa sa	nd			
			Tre-frac W/O	o, roog Olive	130111 -	1-10 W/	50,00	30# Z0/-	o Otto	awa sa	nu			
28 Production -	Interval A													
Date First	Test Date	Hours	Test	Oil	Gas	Water	1	iravity	Gas	4	duction N	1ethod		
Produced	4.4.0.10.7	Tested	Production	BBL	MCF	BBL	Corr		Gravity			_		
11/1/07	11/6/07	24	->	39	68	400	1	NA	NA W			Pum	ping	
Choke Size	Tbg Press Flwg	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/		Well S	tatus				
NA	200 psi	60 ps	- I	39	68	400		NA			Þ	roducing	1	
28a Production-		<u>0</u> 0 po	·		1 00	, ,,,,	<u> </u>		L		<u> </u>			<u> </u>
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil G	iravity	Gas	Prod	duction N	1ethod		
Produced		Tested	Production	BBL	MCF	BBL	Corr	API	Gravity	/				
			->	<u> </u>		<u> </u>	<u> </u>							
Choke Sıze	Tbg Press Flwg	Csg Press	24 Hr Rate	Oil BBL	Gas IMCF	Water BBL	Gas/6		Well S	tatus				
	1. 1448	1000	-		""		,	•						

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

Date First Teal Date Teals Teal Date Teals	28b Production	- Interval C									
Croke Trop Press Sty Press	Date First		Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	
Production - Internal 2 Production - Internal 2 Production Pro	Produced		Tested	1	BBL	MCF	BBL	Corr API	Gravity		
Big Production Intercent Production	Choke	Tbg Press	Csg	24 Hr	Oil	Gas	Water	Gas/Oil	Well Statu	ıs	
Title Part	Size	Flwg	Press	I .	BBL	MCF	BBL	Ratio		•	
Tested Production BBL NCF BBL Corr API Gravity	28c Production	- Interval D	· · · · · · · · · · · · · · · · · · ·			····· · · · · · · · · · · · · · · · ·		<u> </u>			
Circlician Tog Press Cig 24 H Oil Gas Water CauCol Well Status	Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	
Size Five Press Rate BBL MCF BBL Rate	Produced		Tested		BBL	MCF	BBL	Corr API	Gravity	;	
Size Five Press Rate BBL MCF BBL Rate	Choke	Tbg Press	Csg	24 Hr	Oil	Gas	Water	Gas/Oil	Well Statu	IS	
29 Disposition of Gas (Sold, used for fuel, vented, etc.) Sold Sold Sold Sold (used for fuel, vented, etc.) Sold Sold Sold (used for fuel, vented, etc.) Sold Sold Sold (used for fuel, vented, etc.) Show all important zones of porosity and contents themat. Cored intervals and all drill-stem tests, including cight interval tested, cushion used, time tool open, flowing and shift-in pressures and etc. Formation Top Bottom Description, Contents, etc. Name Top. Meas Depth Meas Depth BoSo 39777 Bell Canyon 4280' Cherry Canyon 5240' Brushy Carryon 6962' Bone Spring 8151' 32 Additional remarks (include plugging procedure) 33 Indicate which items have been attached by placing a cireck in the appropriate boxes	Size	Flwg	Press	1	BBL	MCF	BBL	Ratio			
30 Summary of Perous Zones (include Aquifers) Show all important zones of protesty and contents thereof Cored intervals and all drill-stem tests, included polyminerval tested, cushon used, time tool open, flowing and shut-in pressures and recoveries Formation Top Bottom Description, Contents, etc Name Top Meas Depth Rustler BOS 39777 Bell Canyon 5240° Brushy Canyon 5962° Bone Spring 31 Indicate which items have been attached by placing a check in the appropriate boxes	29 Disposition of	of Gas (Sold, i	used for fuel, v	<u> </u>		1	.1	<u> </u>			
30 Summary of Perous Zones (include Aquifers) Show all important zones of protesty and contents thereof Cored intervals and all drill-stem tests, included polyminerval tested, cushon used, time tool open, flowing and shut-in pressures and recoveries Formation Top Bottom Description, Contents, etc Name Top Meas Depth Rustler BOS 39777 Bell Canyon 5240° Brushy Canyon 5962° Bone Spring 31 Indicate which items have been attached by placing a check in the appropriate boxes	Sold										
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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 X Electrical/Mechanical Logs (1 full set reg/d) Coologic Report DST Report X Directional Survey	Show all impor	tant zones of	porosity and	contents there	of Cored in n, tlowing and	tervals and shut-in pres	all drill-ste ssures an	em tests, d			
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		ormation		Top	Bottom	Desc	ription Co	ontents etc		Name	
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 X Electrical/Mechanical Logs (1 full set reg'd.) Geologic Report DST Report X Directional Survey										, , , , , , , , , , , , , , , , , , , ,	
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Cherry Canyon Brushy Canyon Brushy Canyon Bone Spring 32 Additional remarks (include plugging procedure) 33 Indicate which items have been attached by placing a check in the appropriate boxes X Electrical/Mechanical Logs (1 full set req'd) Geologic Report DST Report X Directional Survey Sundry Notice for plugging and cement verification Core Analysis X 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 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			l						BOS		3977'
Brushy Canyon Bone Spring Brushy Canyon Bone Sp			-						Bell Car	nyon	4280'
Brushy Canyon Bone Spring Brushy Canyon Bone Sp				ļ					Cherry	Canvon	5240'
Bone Spring 8151' 32 Additional remarks (include plugging procedure) 33 Indicate which items have been attached by placing a check in the appropriate boxes X Electrical/Mechanical Logs (1 full set reg'd) Geologic Report DST Report X Directional Survey Sundry Notice for plugging and cement verification Core Analysis X 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 Date November 5, 2007			ĺ	Í							į.
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33 Indicate which items have been attached by placing a check in the appropriate boxes X Electrical/Mechanical Logs (1 full set req'd)			1						į		
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33 Indicate which items have been attached by placing a check in the appropriate boxes X Electrical/Mechanical Logs (1 full set req'd)			ļ	<u> </u>							ŀ
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X Electrical/Mechanical Logs (1 full set req'd)	33 Indicate whi	ich itome have	heen attache	d by placing a c	hack in the air	opropriate b	OVAC			· · · · · · · · · · · · · · · · · · ·	
Sundry Notice for plugging and cement verification	35 Indicate Will	_			i	ri i		DST	Report X	Directional 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) Title Regulatory Compliance Supervisor 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							,	<u></u>	' L		
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Name(please print) Title Regulatory Compliance Supervisor 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			o p		1				2011011011	Ju . 13,	
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	34 I hereby cert	ify that the for	egoing and att	ached informat	ion is complet	e and corre	ct as dete	rmined from all	available rec	cords (see attached insti	ructions)*
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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		· <u></u>	1	V ·	11						·
	Signature			<u>Lard</u>	Hue	r Ja	<u> </u>		_ Date	Novembe	er 5, 2007
	=				1						
									willfully to m	ake to any department o	or agency of the United

(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,

Eddie C. LaRue Operations Manager

State of New Mexico }
County of Eddy }

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

Parner

Notary Public

OFFICIAL SEAL
REGINIA L. GARNER
NOTARY PUBLIC - STATE OF NEW MEXICO
My commission expires Aug. 30, 300

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# Pason DataHub Deviation Survey 2007/10/02 14:08:33
# Well Dossier 1189616319 - Glowworm ALX Fed 14 -- Edited
#
                                                  TVD
                                                          Horiz Disp
Date
                Depth
                                 Dev
                                         Dir '
                                                  0.00
                                                          0.00
                214.00
                                 0.75
                                         0.00
09/13/2007
09/13/2007
                522.00
                                 0.75
                                         0.00
                                                  552.00
                                                          0.00
                397.00
                                 0.75
                                         0.00
                                                  439.00
                                                          0.00
09/13/2007
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
                                                          0.00
09/16/2007
                998.00
                                 0.88
                                         251.63 0.00
09/16/2007
                1216.00
                                 0.97
                                         259.81 0.00
                                                          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
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
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09/18/2007
                3115.00
                                 1.85
                                         238.45
                                                  3160.00 0.00
                                                  0.00
09/18/2007
                3365.00
                                 1.23
                                         219.29
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09/18/2007
                3738.00
                                 2.29
                                         150.65
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                                                  3939.00 0.00
09/19/2007
                3894.00
                                 2.37
                                         144.41
09/19/2007
                3956.00
                                 2.16
                                         153.45
                                                 4001.00 0.00
09/21/2007
                4241.00
                                 1.00
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                                                  4281.00 0.00
                4488.00
                                 1.50
                                                  4561.00 0.00
09/21/2007
                                         0.00
09/22/2007
                4738.00
                                 1.50
                                         0.00
                                                  4810.00 0.00
                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
09/22/2007
                5548.00
                                 1.00
                                         0.00
                                                  5621.00 0.00
                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
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
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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 6213 W. County Road 112 • Midland, TX 79706 • Phone: 432-681-6000 • Fax: 432-687-1544

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

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



Prepared By: Cody Mebane

Name of Client:		Y	ates Petroleur	n		
Attention:						_
	✓ Direc	tional Only Job	OR		Logging Job	
Name(s) of Person						
· · · · · · · · · · · · · · · · · · ·	tin Fallin					_
CI						
Positions of Said P	Persons: Survey	ors / Field Eng	ineers:	Other		
Date(s) Survey was	s Performed:	From	15-Sep		To <u>19-Sep</u>	
Type of Survey Per	formed: (Speci	fy if other than	MWD)			_
IDENTIFICATION O	F WELL:					
	F WELL: Yates Petrole	eum	Rig Nan	ne:	SilverOak # 6	
Client:			Rig Nan API No.:	•	SilverOak # 6 30-015-35316	
Client: Well No.:	Yates Petrole low Worm ALX Eddy Coun	Fed #14	•	;		
Client: Well No.: G	Yates Petrole	Fed #14	API No.:	;	30-015-35316	
Client: Well No.: G	Yates Petrole low Worm ALX Eddy Coun N.M.	Fed #14 ty	API No.: Job No.	;	30-015-35316	
Well No.: G Location: State:	Yates Petrole low Worm ALX Eddy Coun N.M.	Fed #14 ty	API No.: Job No.	;	30-015-35316	
Client: Well No.: Location: State: TEXAS RAILROAD	Yates Petrole low Worm ALX Eddy Coun N.M.	Fed #14 ty	API No.: Job No.	;	30-015-35316	
Client: Well No.: Location: State: TEXAS RAILROAD	Yates Petrole low Worm ALX Eddy Coun N.M.	Fed #14 ty	API No.: Job No.	;	30-015-35316	_
Client: Well No.: Location: State: TEXAS RAILROAD Field: Abstract No.:	Yates Petrole low Worm ALX Eddy Coun N.M. COMMISSION I	Fed #14 ty	API No.: Job No.	;	30-015-35316	
Client: Well No.: Glack Cocation: State: TEXAS RAILROAD Field: Abstract No.: Well Plat Survey Co	Yates Petrole low Worm ALX Eddy Coun N.M. COMMISSION I	Fed #14 ty NFORMATION:	API No.: Job No.		30-015-35316	 Feet
Client: Well No.: G Location: State: TEXAS RAILROAD Field: Abstract No.:	Yates Petrole low Worm ALX Eddy Coun N.M. COMMISSION I	Fed #14 ty NFORMATION:	API No.: Job No.		30-015-35316 101006772-WT-WT	Feet
Client: Well No.: State: TEXAS RAILROAD Field: Abstract No.: Well Plat Survey Consumption Surveys Performent MMS / ASCII / LA	Yates Petrole low Worm ALX Eddy Coun N.M. COMMISSION I o.: d From AS Diskette File	Fed #14 ty NFORMATION: 511 ename:	API No.: Job No.	то	30-015-35316 101006772-WT-WT	
Client: Well No.: Gi Location: State: TEXAS RAILROAD Field: Abstract No.: Well Plat Survey Co Surveys Performe MMS / ASCII / LA THIS IS TO VERIFY T FEET ON A BEARING	Yates Petrole low Worm ALX Eddy Coun N.M. COMMISSION I o.: d From AS Diskette File CHAT ATTACHED I	Fed #14 ty NFORMATION: 511 ename: DOCUMENTS SH 5.41	API No.: Job No. Feet OW THE WELL DEGREES FRO	TO L TO BE	30-015-35316 101006772-WT-WT	8.52 RY TABLE

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 3RID Reference:NAD27 new mexico east Transverse Mercator Ref GRID Coor: 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	103.774980 7 9 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)

Page 01/01

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

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

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 Coor: 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

 				s				2, 000		
Measured	Incl	Drift	TVD	Course	Vertical	то	TAL	Clos	ure	DLS
Depth		Dir.		Length	Section		lar Offsets	Dist	Dir	
(ft)	(deg)	(deg)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft) (deg)	(dg/100ft)
TIE-IN	N INFORMA	TION PROVI	DED BY PAT	HFINDER EN	ERGY.					
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00@	0.00	0.00
THE I	FOLLOWING	G ARE PATH	FINDER MW	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@		0.08
998.00	0.88	251.63	997.95	249.00	-4.69	4.69 S	6.80 W	8.26@		0.04
1216.00	0.97	259.81	1215.92	218.00	-5.55	5.55 S	10.21 W		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@		0.06
2087.00	0.97	241.26	2086.82	311.00	-7.91	7.91 S	22.75 W	24.09@		0.12
2398.00	1.32	246.27	2397.76	311.00	-10.62	10.62 S	28.34 W		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@		0.06
3115.00	1.85	238.45	3114.56	311.00	-16.80	16.80 S	43.85 W	46.96@		0.22
3365.00	1.23	219.29	3364.47	250.00	-20.99	20.99 S	48.99 W	53.29@		0.32
3738.00	2.29	150.65	3737.32	373.00	-30.58	30.58 S	47.87 W	56.81 <i>@</i>	237.43	0.58
3894.00	2.25	144.41	3893.19	156.00	-35.92	35.92 S	44.47 W	57.16@		0.33
3956.00	2.16	153.55	3955.15	62.00	-38.01	38.01 S	43,20 W	57.54@		0.67
			N TO BIT @ 4		-30.01	30.013	7J.ZU W	31.34@	220.00	0.07
4047.00	2.16	153.55	4046.08	91.00	-41.08	41.08 S	41.67 W	58 52@	225.41	0.00
4047.00	2.10	100.00	70-0.00	51.00	-71.00	71.00 0	T1.01 W	33.32(tb)	£20.41	0.00

Form 3160-3 (August 1999)

CASING MUST BE CIRCULATED

WITNESS

If 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 UNITED STATES DEPARTMENT OF THE INTERIOR, BUREAU OF LAND MANAGEMENT

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

5. Lease Serial No.

NM	

ATTACHED

DUKEKU OF LAND I	MANAGEMEN	'' \ .	<i>∧</i> ?/	1414-01955		
APPLICATION FOR PERMIT	TO DRILL	OR REENTER, OL	glyler. Dy	6. If Indian, Allottee or Trib	e Name	
la. Type of Work X DRILL	REENTER			7 If Unit or CA Agreement	, Name and No	
	0.1		M V 1-7-	8 Lease Name and Well No		
b. Type of Well. X Oil Well Gas Well	Other	Single Zone	Multiple Zone	Glow Worm ALX	Federal #14	
2. Name of Operator			-	9. API Well No.		
Yates Petroleum Corporation 23	5575			30-015-		
3A. Address 105 South Fourth Street	3b. Ph	none No <i>(include area co</i>	· / /	10. Field and Pool, or Explo		
Artesia, New Mexico 88210		(505) 748-14	171 Las /	Pandanes t Delawar	<u>e</u>	
4. Location of Well (Report location clearly and in accordance	with any State	requirements.*)		11. Sec., T., K, M., or Blk,		
At surface 330' F	NL and 330	0' FEL		Section 4, T2:	3S-R31E	
At proposed prod. Zone	Same				1.0.0	
14. Distance in miles and direction from nearest town or post of				12. County or Parish	13 State	
Approximately 23 miles east of Carlsbad, Ne			1:4 5 :	Eddy County	NM NM	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig unit line, if any)	16. N	No. of Acres in lease	17. Spacing U	nut dedicated to this well		
18. Distance from proposed location* to nearest well, drilling, completed,	19 P	Proposed Depth	20 BLM/BIA	Bond No. on file		
to nearest well, drilling, completed, applied for, on this lease, ft.		8200'	20. 22.222	NM-2811		
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. A	Approximate date work wi	ill start*	23. Estimated duration		
3395' GL		ASAP 45 days				
	24	. Attachments	Carlohad (ontrolled Water Basi		
The following, completed in accordance with the requirements o	f Onshore Oil a	nd Gas Order No. 1, shall			· · · · · · · · · · · · · · · · · · ·	
1 Well plat certified by a registered surveyor.		4 Bond to co	over the operation	s unless covered by an existing	g bond on file (see	
2 A Drilling Plan.		Item 20 ab	ove)			
3. A Surface Use Plan (if the location is on National Forest Syst	em Lands, the	5. Operator ce	ertification.			
SUPO shall be filed with the appropriate Forest Service Office	:e.	6 Such other authorized	•	nation and/or plans as may be	required by the	
25 Signature		Name (Printed/Typed))	Date		
(1) (1) War	_	Cy Cowan		!	1/12/2006	
Regulatory Agent Regulatory Agent		····				
Approved by (Signature / Linda S.C. Rundell		Name (Printed/Typed)		Date	DEC 1 9 2008	
_		/s/ Li	nda S.C. Ri	undell	DEO 1 0 2mas	
Title STATE DIRECTOR		Office	M STATE (OFFICE		
Application approval does not warrant or certify that the applica	nt holds legal or	r equitable title to those ri	ghts in the subject	lease which would entitle the	applicant to conduct	
operations thereon.			APP	ROVAL FOR 1	VEAD	
Conditions of approval, if any, are attached.				TO THE TOTAL	I LAN	
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, r. States any false, fictitious or fraudulent statements or representations.				nake to any department or agen	cy of the United	
*(Instructions on reverse) C-144 attached				,	· · · · · · · · · · · · · · · · · · ·	
DECLARED WATER BASIN, CE		EHIND THE S JST BE <u>CIRC</u>	1111	APPROVAL SUBJE GENERAL REQUIR	iements ai	
ACINO MILOT C	â m.:			SPECIAL STIPULA	I I WITS	

WITNESS

DISTRICT, I 1985 W. French Dr., Hobbs, NM 80240 DISTRICT II 611 South First, Artesia, NM 68210 DISTRICT III 1000 Rio Brazos Rd., Astec, 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

D AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API	Number		40	Pool Code	Undes.	Les May de	Pool Name	war e			
Property (Code			Well Number 14							
OGRID No).		Operator Name Elevation								
025575			YATES PETROLEUM CORPORATION 3395								
					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 1	4	235	31E		330	NORTH	330	EAST	EDDY		
		-	Bottom	Hole Loc	cation If Diffe	rent From Sur	face				
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/Vest line	County		
Dedicated Acres	Joint o	r Infill Co	nsolidation (Code Or	der No.			<u> </u>	<u> </u>		
40	1										

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

N.32'20'23.4" W.103'46'31.2 N.487752.3 E.672488.2 (NAD-27) Lot 2 Lot 3 Lot 3 Lot 3 Lot 3 Lot 3 Lot 4 Lot 3 Definition Printed Name Regulatory Agent Title January 12, 2006 Bate SURVEYOR CERTIFICATION / hereby certify that the well location above on this plat was platted from field votes act was reveryed made by me or under your previous and that the sense is from a construction on this plat was platted from field votes act was reveryed made by me or under your previous and that the sense is from a construction of the field votes and that the sense is from a construction of the field votes and that the sense is from a construction of the field votes and that the sense is from a construction of the field votes and that the sense is from a construction of the field votes and that the sense is from a construction of the field votes and that the sense is from a construction of the field votes and that the sense is from a construction of the field votes and the fiel		OR A NON-STAI	NDARD UNIT HAS BEEN APP	3300 3404
Cy Cowan Printed Name Regulatory Agent Title January 12, 2006 Date SURVEYOR CERTIFICATION I hareby certify that the well location about on this plot were plotted from field notes actual surveys made by me or under supervison, and that the some is true a certest to the best of my belts 11/02/2005 Date Surveyed Signature & Soci-Hill I Professions Street Company Certification of the company of the street Compan	Lot 4	Lot 3	N.32*20'23.4" W.103*46'31.2" N.487752.3 E.672488.2 (NAD-27) Lot 2	OPERATOR CERTIFICATION 1 hereby certify the the informatic contained herein is true and complete to the best of my inguiledge and bettef. Lot 1 2/2 3
I hareby certify that the well location show on this plat was plotted from field notes actual surveys made by me or under supervison, and that the same is true a correct to the best of my beltef 11/02/2005 Date Surveyed Signature & Spal-Wil Professional Surveyor One of the company One of				Cy Cowan Printed Name Regulatory Agent Title January 12, 2006 Date
Date Surveyed Signature & Spaintel L Professional Surveyor Professional Surveyor Certificate Na Herschel L. Song ILS 30 RELEVANT CENERAL SURVEYOR COMPANY				I hereby certify that the well location sho on this plat was plotted from field notes actual surveys made by me or under supervison, and that the same is true
Certificate No perschel L. Know ILS 31 PGLOW WORKET GENERAL SURVEHING COMPANY				Date Surveyed Signature & Spaintil L Professional Surveyor W MEXICO
				Certification of the superior