

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 ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff Resvr
Other:

2 Name of Operator
Yates Petroleum Corporation

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'FWL (Unit D, NWNW)

At top prod Interval reported below

Same as above

FEB 07 2008
OCD-ARTESIA

At total depth Same as above

14 Date Spudded
RH 10/26/07 RT 11/2/07

15 Date T.D Reached
11/17/07

16 Date Completed 12/14/07
☐ D & A ☒ Ready to Prod

18. Total Depth MD 8254'
TVD NA

19. Plug Back T.D.. MD 8211'
TVD NA

20. Depth Bridge Plug Set. MD NA
TVD NA

21 Type Electric & Other Mechanical Logs Run (Submit copy of each)

CNL, Hi-Res Laterolog Array, CBL

22 Was Well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☒ Yes (Submit copy)

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 Sks & 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	560'		585 sx		Surface	
7-7/8"	8-5/8"	24#,32#	Surface	4078'		1300 sx		Surface	
	5-1/2"	15.5#,17#	Surface	8254'		1030 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"	7805'							

25 Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No Holes	Perf Status
A) Delaware	7910'	8142'	7910'-7914'		5	Producing
B)			7925'-7929'		5	Producing
C)			7984'-7990'		7	Producing
D)			8104'-8108'		5	Producing
E)			8130'-8142'		13	Producing

27 Acid, Fracture, Treatment, Cement Squeeze, Etc

Depth Interval	Amount and Type of Material
8104'-8142'	Acidize w/1500g 7-1/2% IC acid and 25 balls
7910'-7990'	Acidize w/1500g 7-1/2% IC acid and 25 balls
7910'-8142'	Frac w/63,000g Silverstim and 14,000# Expedite Lite

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
12/15/07	12/23/07	24	→	36	53	420	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	NA	NA	→	36	53	420	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	
			→						

ACCEPTED FOR RECORD
Producing
FEB 5 2008
JERRY FANT
PETROLEUM GEOLOGIST

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

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	576'
				BOS	4004'
				Bell Canyon	4313'
				Cherry Canyon	5056'
				Brushy Canyon	6490'
				Bone Spring	8190'

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

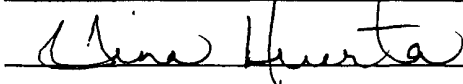
34 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print)

Tina Huerta

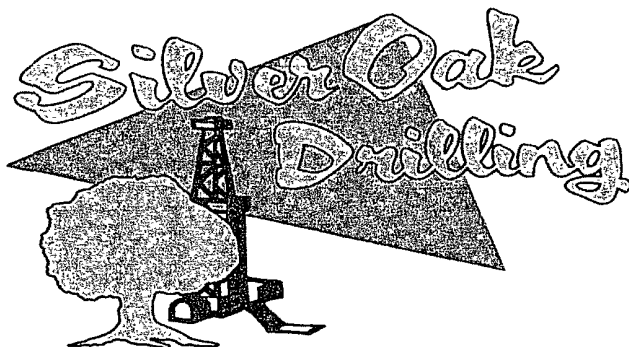
Title Regulatory Compliance Supervisor

Signature



Date January 14, 2008

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



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

November 29, 2007

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

RE: Glow Worm ALX Federal #12
330' FNL & 330' FWL
Sec. 3, 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,

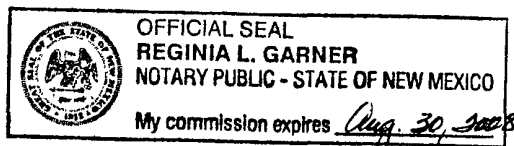
A handwritten signature in cursive script, appearing to read "Eddie C. LaRue".

Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 29th day of November, 2007.

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



Date	Depth	Dev	Dir	TVD
11/03/2007	212.00	0.75	0.00	0.00
11/03/2007	397.00	0.75	0.00	437.00
11/03/2007	520.00	0.75	0.00	560.00
11/05/2007	563.00	0.26	155.29	0.00
11/05/2007	624.00	0.26	129.21	673.00
11/05/2007	655.00	0.35	313.76	703.00
11/05/2007	687.00	0.35	241.86	735.00
11/05/2007	716.00	0.44	260.41	766.00
11/05/2007	749.00	0.79	274.91	797.00
11/05/2007	842.00	1.12	259.88	890.00
11/05/2007	873.00	0.97	245.12	922.00
11/05/2007	936.00	1.14	260.23	984.00
11/05/2007	998.00	1.06	251.79	1047.00
11/05/2007	1216.00	0.97	249.95	1264.00
11/06/2007	1496.00	1.32	249.86	1544.00
11/06/2007	1589.00	1.32	262.52	1637.00
11/06/2007	1683.00	1.41	260.85	1731.00
11/06/2007	1777.00	1.14	251.79	1825.00
11/06/2007	1870.00	1.41	245.29	1918.00
11/06/2007	1964.00	1.14	258.30	2012.00
11/06/2007	2057.00	1.49	252.06	2105.00
11/06/2007	2151.00	1.32	265.68	2199.00
11/06/2007	2244.00	1.67	257.86	2292.00
11/06/2007	2337.00	1.32	249.86	2385.00
11/06/2007	2431.00	1.85	260.14	2479.00
11/07/2007	2524.00	1.76	260.06	2572.00
11/07/2007	2618.00	1.58	264.98	2666.00
11/07/2007	2711.00	1.32	258.12	2759.00
11/07/2007	2805.00	1.67	253.38	2853.00
11/07/2007	2898.00	1.49	248.46	2946.00
11/07/2007	2992.00	1.67	262.52	3040.00
11/07/2007	3085.00	1.41	251.79	3133.00
11/07/2007	3179.00	1.14	244.04	3227.00
11/07/2007	3270.00	0.88	230.26	3320.00
11/08/2007	3365.00	1.23	219.98	3413.00
11/08/2007	3459.00	1.41	192.29	3507.00
11/08/2007	3552.00	1.85	175.29	3600.00
11/08/2007	3645.00	1.58	153.01	3693.00
11/08/2007	3739.00	2.29	148.67	3787.00
11/08/2007	3832.00	1.85	143.95	3880.00
11/08/2007	3925.00	2.46	150.68	3972.00
11/08/2007	3988.00	2.90	149.40	4036.00
11/08/2007	4019.00	2.55	146.68	4067.00
11/13/2007	4272.00	1.50	0.00	0.00
11/13/2007	4740.00	1.00	0.00	4811.00
11/13/2007	5237.00	1.50	0.00	0.00
11/14/2007	5734.00	0.50	0.00	0.00
11/14/2007	6232.00	1.50	0.00	6303.00
11/15/2007	6732.00	0.75	0.00	6803.00
11/15/2007	7262.00	0.50	0.00	0.00
11/16/2007	7791.00	1.75	0.00	7862.00
11/17/2007	8254.00	1.50	0.00	0.00

EOF



DIRECTIONAL SURVEY REPORT

YATES PETROLEUM

GLOW WORM ALX FED #12

EDDY COUNTY, NEW MEXICO

PREPARED BY: FRANCISCO SINISTERRA

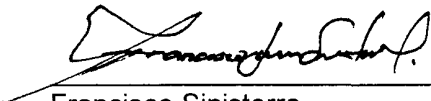
Pathfinder Energy Services, Inc.
6213 W. County Road 112 • Midland, TX • 79706
(432)681-6000

DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
2. NAME OF PERSON(S) PERFORMING SURVEY:
A) CHARLES HARPER
3. POSITION OF SAID PERSON(S): (A-F) SURVEYORS (FIELD ENGINEERS)
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 11/05/07 TO 11/08/07
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 #12
EDDY COUNTY, NM
RIG: SLIVER OAK
9. SURVEY CERTIFIED FROM: 717 TO 4019 FEET MEASURED DEPTH.

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 61.32 FEET ON A BEARING OF 232.26 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT A PROJECTED BIT DEPTH OF 4078 FEET, ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.



Francisco Sinisterra
M/LWD SERVICE COORDINATOR

PathFinder Energy Services, Inc.

BHL Report

Page 01/01
Tie-in Date: 11/05/2007
Date Completed: 11/08/2007

YATES PETROLEUM
GLOW WORM "ALX" FED. 1 # 12
EDDY COUNTY, NM
Rig:SILVER OAK 6
PathFinder Office Supervisor: FRANCISCO SINISTERRA
PathFinder Field Engineers:CHARLES HARPER
RAFAEL DONARUMMA

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:32.20.22.9596 N LON:103.46.21.7416 W
GRID Reference:NAD27 new mexico east Transverse Mercator
Ref GRID Coord: X: 673148.8881 Y: 487755.8823
North Aligned To:GRID NORTH
Total Magnetic Correction: 7.81° EAST TO GRID
Vertical Section Plane: 0.00
Survey Vert. Reference: 0.00' Rotary Table To Ground
Altitude:3404.00' Ground To MSL

Measured Depth	4078.00	(feet)
Inclination	2.55	(deg)
Azimuth	146.68	(deg)
True Vertical Depth	4076.87	(feet)
Course Length	59.00	(feet)
Vertical Section	-37.54	(feet)
Rectangular Corr. N/S	37.54 S	(feet)
Rectangular Corr. E/W	48.49 W	(feet)
Closure Distance	61.32	(feet)
Direction of Closure	232.26	(deg)
Dogleg Severity	0.00	(deg/100ft)

PathFinder Energy Services, Inc.

Survey Report

YATES PETROLEUM
GLOW WORM "ALX" FED. 1 # 12
EDDY COUNTY, NM
Rig:SILVER OAK 6
PathFinder Office Supervisor: FRANCISCO SINISTERRA
PathFinder Field Engineers: CHARLES HARPER
RAFAEL DONARUMMA

Page 01/02
Tie-in Date: 11/05/2007
Date Completed: 11/08/2007

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:32.20.22.9596 N LON:103.46.21.7416 W
Reference:NAD27 new mexico east Transverse Mercator
Ref GRID Coord: X: 673148.8881 Y: 487755.8823
North Aligned To:GRID NORTH
Total Magnetic Correction: 7.81° EAST TO GRID
Vertical Section Plane: 0.00
Survey Vert. Reference: 0.00' Rotary Table To Ground
Altitude:3404.00' Ground To MSL

Survey Calculations by PathCalc v1.96P using Minimum Curvature

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
TIE IN @ 657' MD ASSUMING VERTICAL WELL.									
657.00	0.00	0.00	657.00	0.00	0.00	0.00	0.00@	0.00	0.00
THE FOLLOWING ARE PATHFINDER MW D SURVEYS.									
717.00	0.44	260.41	717.00	-0.04	0.04 S	0.23 W	0.23@	260.41	0.73
748.00	0.79	274.91	748.00	-0.04	0.04 S	0.56 W	0.56@	265.90	1.23
779.00	0.79	268.23	778.99	-0.03	0.03 S	0.98 W	0.98@	268.36	0.30
841.00	1.14	259.88	840.99	-0.15	0.15 S	2.02 W	2.02@	265.76	0.61
873.00	0.97	245.12	872.98	-0.32	0.32 S	2.58 W	2.60@	262.93	1.00
936.00	1.14	260.23	935.97	-0.65	0.65 S	3.68 W	3.74@	259.97	0.52
998.00	1.06	251.79	997.96	-0.93	0.93 S	4.83 W	4.92@	259.06	0.29
1061.00	1.14	261.20	1060.95	-1.21	1.21 S	6.00 W	6.13@	258.59	0.31
1123.00	0.97	252.67	1122.94	-1.46	1.46 S	7.11 W	7.26@	258.38	0.37
1216.00	0.97	249.95	1215.92	-1.97	1.97 S	8.61 W	8.83@	257.12	0.05
1310.00	0.88	250.04	1309.91	-2.49	2.49 S	10.03 W	10.34@	256.08	0.10
1403.00	1.06	245.99	1402.90	-3.08	3.08 S	11.49 W	11.89@	254.99	0.21
1496.00	1.32	249.86	1495.88	-3.80	3.80 S	13.28 W	13.81@	254.04	0.29
1589.00	1.32	262.52	1588.85	-4.31	4.31 S	15.35 W	15.94@	254.32	0.31
1683.00	1.41	260.85	1682.83	-4.63	4.63 S	17.56 W	18.16@	255.22	0.10
1777.00	1.14	251.79	1776.80	-5.11	5.11 S	19.59 W	20.25@	255.39	0.36
1870.00	1.41	245.29	1869.78	-5.88	5.88 S	21.51 W	22.30@	254.72	0.33
1964.00	1.14	258.30	1963.76	-6.55	6.55 S	23.48 W	24.37@	254.41	0.42
2057.00	1.49	252.06	2056.73	-7.11	7.11 S	25.53 W	26.51@	254.44	0.41
2151.00	1.32	265.68	2150.70	-7.57	7.57 S	27.78 W	28.79@	254.76	0.40
2244.00	1.67	257.86	2243.67	-7.93	7.93 S	30.17 W	31.19@	255.27	0.43

PathFinder Energy Services, Inc.

Survey Report

YATES PETROLEUM
GLOW WORM "ALX" FED. 1 # 12
EDDY COUNTY, NM
RIG:SILVER OAK 6

Page 02/02

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets		Closure Dist Dir		DLS (dg/100ft)
					(ft)	(ft)	(ft)	(deg)	
2337.00	1.32	249.86	2336.64	-8.59	8.59 S	32.50 W	33.62@	255.20	0.44
2431.00	1.85	260.14	2430.60	-9.22	9.22 S	35.01 W	36.20@	255.25	0.64
2524.00	1.76	260.06	2523.56	-9.72	9.72 S	37.90 W	39.12@	255.61	0.10
2618.00	1.58	264.98	2617.52	-10.09	10.09 S	40.61 W	41.84@	256.05	0.24
2711.00	1.32	258.12	2710.49	-10.42	10.42 S	42.94 W	44.18@	256.36	0.34
2805.00	1.67	253.38	2804.46	-11.03	11.03 S	45.31 W	46.63@	256.31	0.39
2898.00	1.49	248.46	2897.42	-11.86	11.86 S	47.73 W	49.18@	256.04	0.24
2992.00	1.67	262.52	2991.39	-12.49	12.49 S	50.23 W	51.76@	256.03	0.45
3085.00	1.41	251.79	3084.35	-13.03	13.03 S	52.66 W	54.24@	256.11	0.42
3179.00	1.14	234.04	3178.33	-13.94	13.94 S	54.51 W	56.26@	255.66	0.51
3270.00	0.88	230.26	3269.32	-14.91	14.91 S	55.78 W	57.74@	255.03	0.29
3365.00	1.23	219.98	3364.30	-16.16	16.16 S	57.00 W	59.24@	254.17	0.42
3459.00	1.41	192.29	3458.27	-18.06	18.06 S	57.89 W	60.64@	252.67	0.70
3552.00	1.85	175.86	3551.24	-20.68	20.68 S	58.03 W	61.60@	250.38	0.69
3645.00	1.58	153.01	3644.20	-23.32	23.32 S	57.34 W	61.90@	247.87	0.78
3739.00	2.29	148.87	3738.14	-26.08	26.08 S	55.78 W	61.57@	244.94	0.77
3832.00	1.85	143.95	3831.08	-28.89	28.89 S	53.93 W	61.18@	241.83	0.51
3925.00	2.46	150.63	3924.02	-31.84	31.84 S	52.07 W	61.03@	238.56	0.71
4019.00	2.55	146.68	4017.93	-35.34	35.34 S	49.93 W	61.18@	234.71	0.21
STRAIGHT LINE PROJECTION TO BIT @4,078' MD.									
4078.00	2.55	146.68	4076.87	-37.54	37.54 S	48.49 W	61.32@	232.26	0.00