

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTJAN 12 2009
OCD-ARTESIAFORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

OXY USA Inc.

16696

3a. Address

P.O. Box 50250, Midland, TX 79710-0250

3b. Phone No. (include area code)

432-685-5717

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SL - 660 FSL 330 FEL SESE(P) Sec 33 T23S R29E

BHL - 618 FSL 753 FWL SWSW(M) Sec 33 T23S R29E

5. Lease Serial No.

NM19848

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Cypress 33 #1H

Federal

9. API Well No.

30-015-36321

10. Field and Pool, or Exploratory Area

Cedar Canyon Bone Spring

11. County or Parish, State

Eddy NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent☒ Subsequent Report☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize☐ Deepen☐ Production (Start/Resume)☐ Water Shut-Off☐ Alter Casing☐ Fracture Treat☐ Reclamation☐ Well Integrity☐ Casing Repair☐ New Construction☐ Recomplete☒ Other Completion☐ Change Plans☐ Plug and Abandon☐ Temporarily Abandon☐ Convert to Injection☐ Plug Back☐ Water Disposal

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Drill out DV Tools and clean out to PBTD @ 11540'M. Run CBL from 7500'V to Surface, TOC @ Surface.

Perf @ 11202, 11051, 10900' and frac. Set CIBP @ 10750'. Perf @ 9450, 9700, 10000, 10300, 10630' and frac. Set CIBP @ 9312'. Perf @ 8150, 8690, 9850, 9250' and frac.

Drill out CIBP @ 9312, 10750', clean out, swab, flow back and test.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

David Stewart

Title

Sr. Regulatory Analyst

Date

1/9/09

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice 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.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes 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.

PathFinder Energy Services, Inc.

Survey Report

Page 01/07
Tie-in Date: 07/26/2008
Date Completed: 08/12/2008

OXY PETROLEUM
CYPRESS 33 FEDERAL #1H
CEDAR CANYON-BONE SPRING
Rig:H & P 370
PathFinder Office Supervisor: FRANCISCO SINISTERRA
PathFinder Field Engineers: J. FALLEN
N. TVRDY
J. GARAY

Survey Calculations by RX5 V5.11i using Minimum Curvature

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:32.15.21.1031 N LON:103.58.55.4970 W
Reference:NAD83 new mexico east Transverse Mercator
Ref GRID Coord: X: 649917.9090 Y: 456993.4580
North Aligned To:GRID NORTH
Total Magnetic Correction: 7.92° EAST TO GRID
Vertical Section Plane: 269.45
Survey Vert. Reference: 30.00' Rotary Table To Ground
Altitude:2949.00' Ground To MSL

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Subsea Depth (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)	TEMP (F)
THE FOLLOWING ARE GYRODATA SURVEYS.											
100.00	0.69	94.46	100.00	70.00	-0.59	0.04 S	0.59 E	0.59@	93.88	0.00	0.00
200.00	0.48	81.54	200.00	170.00	-1.60	0.02 S	1.60 E	1.60@	90.89	0.25	0.00
300.00	0.69	57.75	299.99	269.99	-2.53	0.36 N	2.53 E	2.55@	81.93	0.32	0.00
400.00	0.82	79.10	399.98	369.98	-3.74	0.81 N	3.74 E	3.82@	77.70	0.31	0.00
500.00	0.55	121.38	499.98	469.98	-4.86	0.70 N	4.85 E	4.90@	81.79	0.56	0.00
600.00	0.60	117.10	599.97	569.97	-5.73	0.21 N	5.73 E	5.73@	87.88	0.07	0.00
700.00	0.39	129.21	699.97	669.97	-6.45	0.24 S	6.46 E	6.46@	92.15	0.23	0.00
800.00	0.32	120.04	799.97	769.97	-6.95	0.60 S	6.96 E	6.99@	94.90	0.09	0.00
900.00	0.79	119.10	899.96	869.96	-7.79	1.07 S	7.80 E	7.88@	97.82	0.47	0.00
1025.84	0.92	114.17	1025.79	995.79	-9.47	1.91 S	9.48 E	9.67@	101.37	0.12	0.00
1118.96	0.94	113.81	1118.89	1088.89	-10.84	2.52 S	10.87 E	11.15@	103.07	0.02	0.00
1212.08	1.05	108.22	1212.00	1182.00	-12.34	3.10 S	12.37 E	12.76@	104.05	0.16	0.00
1305.20	1.06	106.05	1305.11	1275.11	-13.98	3.60 S	14.01 E	14.47@	104.42	0.04	0.00
1398.32	1.08	110.46	1398.21	1368.21	-15.62	4.15 S	15.66 E	16.20@	104.83	0.09	0.00
1491.44	1.09	112.20	1491.31	1461.31	-17.26	4.79 S	17.30 E	17.96@	105.47	0.04	0.00
1584.56	1.02	121.64	1584.42	1554.42	-18.78	5.56 S	18.83 E	19.63@	106.44	0.20	0.00
1677.68	1.01	124.06	1677.52	1647.52	-20.15	6.45 S	20.22 E	21.22@	107.70	0.05	0.00
1770.80	0.89	128.20	1770.63	1740.63	-21.39	7.36 S	21.46 E	22.69@	108.92	0.15	0.00
1863.92	0.90	121.95	1863.74	1833.74	-22.57	8.19 S	22.65 E	24.09@	109.88	0.10	0.00
1957.04	0.97	111.49	1956.85	1926.85	-23.92	8.87 S	24.01 E	25.59@	110.28	0.20	0.00
2050.16	1.00	104.10	2049.95	2019.95	-25.44	9.36 S	25.53 E	27.19@	110.13	0.14	0.00
2143.28	0.86	98.07	2143.06	2113.06	-26.91	9.65 S	27.01 E	28.68@	109.67	0.18	0.00
2236.40	0.63	95.20	2236.17	2206.17	-28.12	9.80 S	28.21 E	29.86@	109.15	0.25	0.00
2329.52	0.63	85.42	2329.29	2299.29	-29.14	9.80 S	29.23 E	30.83@	108.54	0.12	0.00
2422.64	0.48	80.09	2422.40	2392.40	-30.03	9.69 S	30.13 E	31.65@	107.84	0.17	0.00

File As-Drilled Plot

PathFinder Energy Services, Inc.

Survey Report

OXY PETROLEUM
CYPRESS 33 FEDERAL #1H
CEDAR CANYON-BONE SPRING
RIG:H & P 370

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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Subsea Depth (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)	TEMP (F)
2515.76	0.55	94.64	2515.52	2485.52	-30.86	9.66 S	30.95 E	32.43@	107.34	0.16	0.00
2608.88	0.74	102.06	2608.63	2578.63	-31.89	9.82 S	31.99 E	33.46@	107.07	0.22	0.00
2702.00	0.91	116.20	2701.74	2671.74	-33.14	10.28 S	33.24 E	34.79@	107.18	0.28	0.00
2795.12	1.21	131.51	2794.85	2764.85	-34.53	11.26 S	34.64 E	36.42@	108.00	0.44	0.00
2888.24	1.52	140.23	2887.94	2857.94	-36.04	12.86 S	36.17 E	38.38@	109.57	0.40	0.00
2981.36	1.61	147.02	2981.03	2951.03	-37.52	14.90 S	37.67 E	40.51@	111.59	0.22	0.00
3074.48	1.41	166.02	3074.11	3044.11	-38.49	17.11 S	38.66 E	42.28@	113.88	0.58	0.00
3167.60	1.35	187.21	3167.21	3137.21	-38.61	19.31 S	38.80 E	43.34@	116.46	0.55	0.00
3260.72	1.19	189.33	3260.30	3230.30	-38.30	21.35 S	38.50 E	44.03@	119.01	0.18	0.00
3353.84	1.01	189.95	3353.41	3323.41	-37.98	23.12 S	38.20 E	44.65@	121.18	0.19	0.00
3446.96	0.97	194.71	3446.51	3416.51	-37.62	24.69 S	37.86 E	45.20@	123.11	0.10	0.00
3540.08	0.88	200.15	3539.62	3509.62	-37.16	26.12 S	37.41 E	45.63@	124.92	0.13	0.00
3633.20	0.66	192.48	3632.73	3602.73	-36.79	27.32 S	37.05 E	46.03@	126.40	0.26	0.00
3726.32	0.47	179.41	3725.85	3695.85	-36.67	28.22 S	36.94 E	46.49@	127.38	0.24	0.00
3819.44	0.36	169.97	3818.97	3788.97	-36.72	28.89 S	37.00 E	46.94@	127.99	0.14	0.00
3912.56	0.38	181.55	3912.08	3882.08	-36.75	29.49 S	37.04 E	47.34@	128.53	0.08	0.00
4005.68	0.33	193.52	4005.20	3975.20	-36.68	30.06 S	36.97 E	47.64@	129.11	0.10	0.00
4098.80	0.31	208.87	4098.32	4068.32	-36.49	30.54 S	36.78 E	47.81@	129.70	0.09	0.00
4191.92	0.27	210.79	4191.44	4161.44	-36.25	30.95 S	36.55 E	47.89@	130.26	0.04	0.00
4285.04	0.26	214.19	4284.56	4254.56	-36.02	31.31 S	36.32 E	47.95@	130.77	0.02	0.00
4378.16	0.25	211.18	4377.68	4347.68	-35.79	31.66 S	36.09 E	48.01@	131.26	0.02	0.00
4471.28	0.25	206.84	4470.80	4440.80	-35.59	32.02 S	35.90 E	48.10@	131.73	0.02	0.00
4564.40	0.28	204.06	4563.92	4533.92	-35.40	32.40 S	35.71 E	48.22@	132.22	0.03	0.00
4657.52	0.35	202.13	4657.03	4627.03	-35.20	32.88 S	35.51 E	48.39@	132.79	0.08	0.00
4750.64	0.51	186.12	4750.15	4720.15	-35.04	33.55 S	35.36 E	48.75@	133.50	0.21	0.00
4843.76	0.58	188.88	4843.27	4813.27	-34.91	34.43 S	35.24 E	49.27@	134.33	0.08	0.00
4936.88	0.67	194.46	4936.38	4906.38	-34.69	35.42 S	35.04 E	49.82@	135.31	0.12	0.00
5030.00	0.78	201.39	5029.49	4999.49	-34.32	36.54 S	34.67 E	50.37@	136.50	0.15	0.00

PathFinder Energy Services, Inc.

Survey Report

OXY PETROLEUM
CYPRESS 33 FEDERAL #1H
CEDAR CANYON-BONE SPRING
RIG:H & P 370

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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Subsea Depth (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)	TEMP (F)
5123.12	0.69	206.44	5122.61	5092.61	-33.82	37.63 S	34.19 E	50.84@	137.75	0.12	0.00
5216.24	0.65	209.82	5215.72	5185.72	-33.30	38.59 S	33.68 E	51.22@	138.89	0.06	0.00
5309.36	0.81	215.42	5308.83	5278.83	-32.65	39.59 S	33.03 E	51.56@	140.16	0.19	0.00
5402.48	1.03	223.40	5401.94	5371.94	-31.68	40.73 S	32.07 E	51.84@	141.78	0.27	0.00
5495.60	1.01	225.18	5495.05	5465.05	-30.51	41.92 S	30.92 E	52.09@	143.59	0.04	0.00
5588.72	0.90	227.59	5588.15	5558.15	-29.38	42.99 S	29.80 E	52.31@	145.27	0.13	0.00
5681.84	0.79	232.56	5681.26	5651.26	-28.32	43.87 S	28.75 E	52.45@	146.77	0.14	0.00
5774.96	0.67	217.69	5774.38	5744.38	-27.47	44.69 S	27.90 E	52.69@	148.02	0.24	0.00
5868.08	0.75	206.47	5867.49	5837.49	-26.86	45.67 S	27.30 E	53.21@	149.13	0.17	0.00
5961.20	0.75	201.02	5960.60	5930.60	-26.36	46.78 S	26.81 E	53.92@	150.19	0.08	0.00
6054.32	0.78	193.96	6053.71	6023.71	-25.98	47.97 S	26.44 E	54.77@	151.14	0.11	0.00
6147.44	0.93	190.64	6146.82	6116.82	-25.67	49.33 S	26.14 E	55.83@	152.08	0.17	0.00
6240.56	1.08	192.10	6239.93	6209.93	-25.33	50.93 S	25.82 E	57.10@	153.11	0.16	0.00
6333.68	1.20	195.33	6333.03	6303.03	-24.87	52.73 S	25.38 E	58.52@	154.30	0.15	0.00
6432.00	1.44	193.02	6431.32	6401.32	-24.30	54.92 S	24.83 E	60.27@	155.67	0.25	0.00
6519.92	1.37	193.40	6519.22	6489.22	-23.79	57.02 S	24.34 E	62.00@	156.89	0.08	0.00
6613.04	1.42	194.31	6612.31	6582.31	-23.22	59.22 S	23.79 E	63.82@	158.11	0.06	0.00
6706.16	1.52	197.02	6705.40	6675.40	-22.55	61.52 S	23.15 E	65.73@	159.38	0.13	0.00
6799.28	1.43	207.62	6798.49	6768.49	-21.63	63.73 S	22.25 E	67.50@	160.76	0.31	0.00
6892.40	1.21	189.95	6891.58	6861.58	-20.91	65.73 S	21.54 E	69.17@	161.86	0.49	0.00
6985.00	1.48	193.37	6984.16	6954.16	-20.44	67.86 S	21.09 E	71.06@	162.73	0.30	0.00
** TIE IN TO GYRODATA SURVEY @ 7078.64' MD											
7078.64	1.78	209.33	7077.76	7047.76	-19.42	70.30 S	20.10 E	73.12@	164.04	0.58	0.00
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.											
7096.00	2.29	207.75	7095.11	7065.11	-19.13	70.84 S	19.81 E	73.56@	164.38	2.95	119.09
7127.00	2.46	207.97	7126.08	7096.08	-18.51	71.98 S	19.21 E	74.50@	165.06	0.55	119.09
7159.00	4.48	245.96	7158.03	7128.03	-17.04	73.09 S	17.74 E	75.22@	166.36	9.24	119.09
7190.00	8.18	259.34	7188.83	7158.83	-13.76	74.00 S	14.47 E	75.40@	168.94	12.77	122.71
7222.00	12.13	260.32	7220.33	7190.33	-8.19	74.98 S	8.91 E	75.51@	173.22	12.36	122.71

PathFinder Energy Services, Inc.

Survey Report

OXY PETROLEUM
CYPRESS 33 FEDERAL #1H
CEDAR CANYON-BONE SPRING
RIG:H & P 370

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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Subsea Depth (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)	TEMP (F)
7253.00	16.36	261.16	7250.37	7220.37	-0.65	76.20 S	1.39 E	76.21@	178.96	13.66	122.71
7285.00	19.96	261.08	7280.77	7250.77	9.21	77.74 S	8.47 W	78.20@	186.22	11.25	122.71
7316.00	23.83	262.63	7309.52	7279.52	20.67	79.37 S	19.91 W	81.82@	194.08	12.62	126.32
7347.00	27.08	263.83	7337.51	7307.51	33.91	80.93 S	33.14 W	87.45@	202.27	10.61	126.32
7379.00	30.69	265.36	7365.53	7335.53	49.31	82.37 S	48.52 W	95.60@	210.50	11.51	126.32
7410.00	32.80	266.63	7391.89	7361.89	65.59	83.51 S	64.79 W	105.69@	217.81	7.14	126.32
7441.00	33.77	267.76	7417.80	7387.80	82.59	84.34 S	81.79 W	117.48@	224.12	3.71	129.94
7473.00	35.00	268.67	7444.21	7414.21	100.66	84.90 S	99.85 W	131.06@	229.63	4.17	129.94
7504.00	36.14	270.16	7469.43	7439.43	118.69	85.08 S	117.88 W	145.37@	234.18	4.62	129.94
7535.00	37.81	270.29	7494.19	7464.19	137.33	85.00 S	136.52 W	160.82@	238.09	5.39	129.94
7567.00	38.95	270.35	7519.28	7489.28	157.20	84.89 S	156.39 W	177.95@	241.51	3.56	133.55
7598.00	40.89	270.14	7543.05	7513.05	177.09	84.81 S	176.28 W	195.62@	244.31	6.27	129.94
7630.00	41.94	270.51	7567.05	7537.05	198.25	84.69 S	197.45 W	214.84@	246.79	3.37	115.48
7661.00	44.14	270.61	7589.70	7559.70	219.41	84.48 S	218.60 W	234.36@	248.87	7.10	122.71
7693.00	46.52	270.95	7612.20	7582.20	242.16	84.17 S	241.36 W	255.61@	250.77	7.48	122.71
7724.00	49.33	271.23	7632.97	7602.97	265.15	83.73 S	264.36 W	277.31@	252.43	9.09	126.32
7755.00	52.32	271.09	7652.55	7622.55	289.17	83.24 S	288.39 W	300.16@	253.90	9.65	129.94
7787.00	55.22	271.15	7671.46	7641.46	314.97	82.74 S	314.19 W	324.90@	255.25	9.06	133.55
7818.00	58.39	270.96	7688.43	7658.43	340.90	82.26 S	340.12 W	349.93@	256.40	10.24	133.55
7850.00	62.17	270.96	7704.29	7674.29	368.67	81.80 S	367.91 W	376.89@	257.47	11.81	137.17
7881.00	66.04	271.34	7717.83	7687.83	396.54	81.24 S	395.78 W	404.03@	258.40	12.53	137.17
7913.00	69.91	271.22	7729.83	7699.83	426.19	80.57 S	425.43 W	433.00@	259.28	12.10	137.17
7944.00	72.11	271.57	7739.91	7709.91	455.48	79.86 S	454.74 W	461.70@	260.04	7.18	140.78
7975.00	72.02	271.36	7749.46	7719.46	484.96	79.11 S	484.22 W	490.64@	260.72	0.71	140.78
8007.00	73.07	271.64	7759.06	7729.06	515.47	78.31 S	514.74 W	520.66@	261.35	3.39	140.78
8038.00	76.77	271.41	7767.12	7737.12	545.37	77.51 S	544.65 W	550.14@	261.90	11.96	140.78
8070.00	81.07	271.15	7773.27	7743.27	576.75	76.81 S	576.04 W	581.14@	262.40	13.46	144.39
8101.00	83.71	271.54	7777.37	7747.37	607.46	76.09 S	606.76 W	611.51@	262.85	8.61	140.78

PathFinder Energy Services, Inc.

Survey Report

OXY PETROLEUM
CYPRESS 33 FEDERAL #1H
CEDAR CANYON-BONE SPRING
RIG:H & P 370

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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Subsea Depth (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)	TEMP (F)
8133.00	84.15	271.65	7780.76	7750.76	639.26	75.20 S	638.57 W	642.98@	263.28	1.42	144.39
8164.00	84.86	271.90	7783.73	7753.73	670.09	74.25 S	669.41 W	673.51@	263.67	2.43	144.39
8196.00	85.82	271.48	7786.33	7756.33	701.96	73.31 S	701.29 W	705.11@	264.03	3.27	144.39
8226.00	87.05	271.63	7788.19	7758.19	731.88	72.49 S	731.22 W	734.80@	264.34	4.13	119.09
8258.00	87.93	271.74	7789.59	7759.59	763.83	71.55 S	763.17 W	766.52@	264.64	2.77	119.09
8289.00	88.37	271.64	7790.59	7760.59	794.78	70.64 S	794.14 W	797.28@	264.92	1.45	115.48
8321.00	88.46	271.77	7791.48	7761.48	826.75	69.69 S	826.12 W	829.05@	265.18	0.49	111.87
8352.00	88.29	272.18	7792.36	7762.36	857.71	68.62 S	857.09 W	859.83@	265.42	1.43	115.48
8383.00	88.37	271.76	7793.26	7763.26	888.66	67.55 S	888.06 W	890.62@	265.65	1.38	115.48
8415.00	88.99	272.13	7794.00	7764.00	920.62	66.47 S	920.03 W	922.43@	265.87	2.26	115.48
8446.00	89.25	272.26	7794.48	7764.48	951.58	65.28 S	951.00 W	953.24@	266.07	0.94	119.09
8478.00	89.25	272.39	7794.89	7764.89	983.54	63.98 S	982.97 W	985.05@	266.28	0.41	119.09
8509.00	89.34	272.41	7795.28	7765.28	1014.50	62.69 S	1013.94 W	1015.88@	266.46	0.30	122.71
8540.00	89.60	271.88	7795.56	7765.56	1045.46	61.53 S	1044.92 W	1046.73@	266.63	1.90	122.71
8572.00	89.43	271.54	7795.83	7765.83	1077.44	60.57 S	1076.90 W	1078.61@	266.78	1.19	122.71
8603.00	89.25	270.99	7796.19	7766.19	1108.42	59.89 S	1107.89 W	1109.51@	266.91	1.87	126.32
8635.00	89.43	270.95	7796.56	7766.56	1140.40	59.34 S	1139.89 W	1141.43@	267.02	0.58	126.32
8666.00	89.60	271.10	7796.82	7766.82	1171.39	58.79 S	1170.88 W	1172.36@	267.13	0.73	126.32
8698.00	89.78	270.83	7796.99	7766.99	1203.38	58.25 S	1202.88 W	1204.29@	267.23	1.01	126.32
8729.00	88.99	269.93	7797.33	7767.33	1234.37	58.05 S	1233.87 W	1235.24@	267.31	3.86	126.32
8760.00	88.99	269.92	7797.87	7767.87	1265.37	58.09 S	1264.87 W	1266.20@	267.37	0.03	126.32
8792.00	89.34	270.02	7798.34	7768.34	1297.36	58.10 S	1296.86 W	1298.17@	267.43	1.14	126.32
8886.00	89.60	269.18	7799.21	7769.21	1391.36	58.76 S	1390.86 W	1392.10@	267.58	0.94	126.32
8980.00	88.29	268.67	7800.94	7770.94	1485.34	60.52 S	1484.82 W	1486.06@	267.67	1.49	126.32
9075.00	88.11	268.34	7803.92	7773.92	1580.28	63.00 S	1579.74 W	1581.00@	267.72	0.39	126.32
9169.00	88.02	269.32	7807.10	7777.10	1674.22	64.92 S	1673.67 W	1674.93@	267.78	1.05	126.32
9263.00	87.85	269.64	7810.49	7780.49	1768.15	65.77 S	1767.60 W	1768.83@	267.87	0.39	126.32
9357.00	89.34	270.25	7812.79	7782.79	1862.12	65.86 S	1861.57 W	1862.74@	267.97	1.71	126.32

PathFinder Energy Services, Inc.

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CYPRESS 33 FEDERAL #1H
CEDAR CANYON-BONE SPRING
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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Subsea Depth (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)	TEMP (F)
9451.00	89.87	270.32	7813.44	7783.44	1956.11	65.39 S	1955.57 W	1956.66@	268.08	0.57	129.94
9546.00	91.10	270.30	7812.63	7782.63	2051.09	64.88 S	2050.56 W	2051.59@	268.19	1.29	129.94
9640.00	90.75	269.98	7811.12	7781.12	2145.07	64.65 S	2144.55 W	2145.52@	268.27	0.50	129.94
9734.00	90.57	271.08	7810.03	7780.03	2239.05	63.78 S	2238.54 W	2239.45@	268.37	1.19	129.94
9829.00	90.48	271.49	7809.16	7779.16	2333.99	61.65 S	2333.51 W	2334.32@	268.49	0.44	129.94
9923.00	89.60	271.59	7809.10	7779.10	2427.93	59.12 S	2427.47 W	2428.19@	268.60	0.94	129.94
10017.00	89.69	271.68	7809.68	7779.68	2521.86	56.44 S	2521.44 W	2522.07@	268.72	0.14	133.55
10112.00	88.02	271.72	7811.58	7781.58	2616.77	53.62 S	2616.37 W	2616.92@	268.83	1.76	133.55
10207.00	89.16	272.66	7813.92	7783.92	2711.62	49.99 S	2711.27 W	2711.73@	268.94	1.55	129.94
10301.00	89.52	272.11	7815.00	7785.00	2805.50	46.08 S	2805.18 W	2805.56@	269.06	0.70	129.94
10364.00	89.25	271.50	7815.68	7785.68	2868.44	44.10 S	2868.15 W	2868.49@	269.12	1.06	129.94
10395.00	90.75	271.55	7815.68	7785.68	2899.42	43.27 S	2899.13 W	2899.46@	269.14	4.84	129.94
10490.00	89.60	271.21	7815.38	7785.38	2994.36	40.99 S	2994.11 W	2994.39@	269.22	1.26	133.55
10521.00	88.11	270.65	7816.00	7786.00	3025.34	40.48 S	3025.09 W	3025.36@	269.23	5.13	133.55
10584.00	89.08	270.55	7817.55	7787.55	3088.31	39.82 S	3088.07 W	3088.33@	269.26	1.55	133.55
10616.00	89.96	270.65	7817.82	7787.82	3120.30	39.49 S	3120.07 W	3120.32@	269.27	2.77	133.55
10647.00	90.22	270.49	7817.77	7787.77	3151.30	39.18 S	3151.07 W	3151.31@	269.29	0.98	133.55
10678.00	91.19	270.32	7817.39	7787.39	3182.29	38.96 S	3182.06 W	3182.30@	269.30	3.18	133.55
10710.00	92.33	270.32	7816.40	7786.40	3214.27	38.78 S	3214.05 W	3214.28@	269.31	3.56	133.55
10773.00	91.01	269.91	7814.57	7784.57	3277.24	38.66 S	3277.02 W	3277.25@	269.32	2.19	137.17
10804.00	90.04	269.76	7814.28	7784.28	3308.24	38.75 S	3308.02 W	3308.24@	269.33	3.17	133.55
10836.00	90.48	270.22	7814.14	7784.14	3340.23	38.75 S	3340.02 W	3340.24@	269.34	1.99	133.55
10867.00	91.63	269.42	7813.57	7783.57	3371.23	38.85 S	3371.01 W	3371.23@	269.34	4.52	133.55
10899.00	93.03	269.86	7812.27	7782.27	3403.20	39.05 S	3402.98 W	3403.21@	269.34	4.59	133.55
10930.00	93.65	269.68	7810.46	7780.46	3434.15	39.17 S	3433.93 W	3434.15@	269.35	2.08	137.17
10961.00	94.00	269.57	7808.39	7778.39	3465.08	39.38 S	3464.86 W	3465.08@	269.35	1.18	133.55
10993.00	94.18	269.44	7806.11	7776.11	3496.99	39.65 S	3496.78 W	3497.00@	269.35	0.69	137.17
11056.00	93.91	269.41	7801.67	7771.67	3559.84	40.28 S	3559.62 W	3559.84@	269.35	0.43	137.17

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Survey Report

OXY PETROLEUM
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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Subsea Depth (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)	TEMP (F)
11150.00	94.97	269.93	7794.39	7764.39	3653.55	40.82 S	3653.33 W	3653.56@	269.36	1.26	137.17
11244.00	94.00	269.50	7787.04	7757.04	3747.26	41.29 S	3747.04 W	3747.27@	269.37	1.13	133.55
11291.00	94.35	270.13	7783.62	7753.62	3794.14	41.44 S	3793.91 W	3794.14@	269.37	1.53	133.55
11339.00	93.56	270.38	7780.31	7750.31	3842.02	41.23 S	3841.80 W	3842.02@	269.39	1.73	133.55
11433.00	92.77	269.95	7775.12	7745.12	3935.87	40.96 S	3935.65 W	3935.87@	269.40	0.96	137.17
11527.00	91.36	269.71	7771.73	7741.73	4029.80	41.24 S	4029.59 W	4029.80@	269.41	1.52	137.17
STRAIGHT LINE PROJECTION TO BIT @ 11694' MD.											
11694.00	91.36	269.71	7767.77	7737.77	4196.75	42.08 S	4196.54 W	4196.75@	269.43	0.00	0.00

** The survey data at tie-in point was furnished by a recognized survey company and entered as submitted. Survey stations above the tie-in point represent recalculated data by PathFinder Energy Services, Inc. and may reflect minor changes due to rounding differences between survey programs. Only survey stations taken by qualified PathFinder personnel are subject to certification.