

Submit To Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies District I 1625 N French Dr., Hobbs, NM 88240 District II 1301 W Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S St Francis Dr., Santa Fe, NM 87505	State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	Form C-105 Revised June 10, 2003 WELL API NO. : 30 015 35759 35789 5. Indicate Type of Lease STATE FEE X State Oil & Gas Lease No.
WELL COMPLETION OR RECOMPLETION REPORT AND LOG		
1a Type of Well OIL WELL GAS WELL X DRY ☐ OTHER _____ b Type of Completion: NEW X WORK DEEPEN PLUG DIFF. OTHER: WELL OVER BACK RESVR.		7. Lease Name or Unit Agreement Name Weems OCT 09 2008 OCD-ARTESIA
2. Name of Operator: OGX Resources, LLC Ogrid: 217955 3. Address of Operator P.O. Box 2064, Midland, TX 79702		8. Well No.: 1 9. Pool name or Wildcat. Otis,; Morrow (Gas)
4. Well Location Unit Letter <u>B</u> : <u>1073'</u> Feet From The <u>North</u> Line and <u>1501'</u> Feet From The <u>East</u> Line Section <u>34</u> Township <u>22S</u> Range <u>27E</u> NMPM <u>Eddy</u> County		
10 Date Spudded 4-3-08	11. Date T.D. Reached 5-26-08	12. Date Compl. (Ready to Prod.) 8-15-08
13. Elevations (DF& RKB, RT, GR, etc) 3106' GR		14. Elev Casinghead
15. Total Depth: 12,400'	16. Plug Back T.D.: 11,880'	17. If Multiple Compl. How Many Zones?
18. Intervals Drilled By		19. Rotary Tools: X Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name Morrow. 11,416-11,720'		20. Was Directional Survey Made Yes
21. Type Electric and Other Logs Run GR/CCL		22. Was Well Cored: No
23. CASING RECORD (Report all strings set in well)		
CASING SIZE	WEIGHT LB./FT.	DEPTH SET
13 3/8"	54.5#	360'
9 5/8"	36 & 40#	2710'
7"	26#	9400'
HOLE SIZE		CEMENTING RECORD
17 1/2"		480 sx -surface
12 1/4"		1000 sx -surface
8 3/4"		900 sx - surface
AMOUNT PULLED		
None		
None		
None		
24. LINER RECORD		
SIZE	TOP	BOTTOM
4 1/2"	9086'	12,400'
SACKS CEMENT		SCREEN
375 sx		
25. TUBING RECORD		
SIZE	DEPTH SET	PACKER SET
2 3/8"	11,344'	
26. Perforation record (interval, size, and number): 12,284-12,268 ; 12,190-12,200' CIBP @ 12,150 w/ 15' cement. 11,966-11,974' - CIBP @ 1189' w/10' cement. 11,416-11,720' w/112 holes, 2 spf.		
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 11716-11430' 4000 gals 15% EFE		
28. PRODUCTION		
Date First Production: 9-1-08		Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing
Well Status (Prod. or Shut-in) Producing		
Date of Test	Hours Tested	Choke Size
9-28-08	24	64/64"
Prod'n For Test Period	Oil - Bbl	Gas - MCF
0	1700	20
Water -Bbl.	Gas - Oil Ratio	
Flow Tubing Press. 800 psi	Casing Pressure packer	Calculated 24-Hour Rate
Oil - Bbl.	Gas - MCF	Water - Bbl
Oil Gravity - API - (Corr.)		
29. Disposition of Gas (Sold, used for fuel, vented, etc.)		Test Witnessed By
Sales		
30. List Attachments C-104, logs, directional		
Signature Name : Ann E. Ritchie Title: Regulatory Agent Date: 10-5-08 E-mail Address: ann.ritchie@wtor.net		

INSTRUCTIONS OGX Resources, LLC API 30 015 35789 Weems #1

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy 1864	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt	T. Strawn 10,681'	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	T. Atoka 10,979'	T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Otzie
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger	T. Dakota	T.
T. Blinbry	T. Gr. Wash	T. Morrison	T.
T. Tubb	T. Delaware Sand	T. Todilto	T.
T. Drinkard	T. Bone Springs 5612'	T. Entrada	T.
T. Abo	T. Morrow 11,860'	T. Wingate	T.
T. Wolfcamp 9080'	T. MiddleMorrow:	T. Chinle	T.
T. Penn	T.	T. Permian	T.
T. Cisco (Bough C)	T.	T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from.....to.....
 No. 2, from.....to.....
 No. 3, from.....to.....
 No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....
 No. 2, from.....to.....feet.....
 No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology	From	To	Thickness In Feet	Lithology
							Bell Canyon 2206' Cherry Canyon 2900' Brushy Canyon 4086' Bone Spring 5612' Wolfcamp 9080' Cisco 10,445' Strawn 10,681' Atoka 10,979' Morrow Clastics 11,860'

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Artec, NM 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-35789	Pool Code 82360	Pool Name OTIS MORROW (Gas)
Property Code 36222	Property Name WEEMS	Well Number 1
OGRID No. 271955	Operator Name OGX RESOURCES, L.L.C.	Elevation 3106'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	34	22 S	27 E		1073	NORTH	1501	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
A	34	22 S	27 E		660	NORTH	660	EAST	EDDY

Dedicated Acres 320	Joint or Infill	Consolidation Code	Order No.
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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

		OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <u>Angela Lightner 8-31-07</u> Signature Date <u>Angela Lightner</u> Printed Name
SURFACE LOCATION LAT-N32°21'12.06" LONG-W104°10'25.27" SPC- N.: 492310.927 E.: 590637.487 (NAD-83)	BOTTOM HOLE LOCATION LAT-N32°21'16.1" LONG-W104°10'15.3" SPC- N.: 492726.303 E.: 591490.356 (NAD-83)	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. AUGUST 7 2007 Date Surveyed <u>[Signature]</u> Signature of Professional Surveyor W.C. 18383 Certificate No. Gary L. Jones 1977 BASIN SURVEYS

June 10, 2008

OCT 09 2008
OCD-ARTESIA

OGX RESOURCES, LLC
P.O. BOX 2064
Midland, TX 76702

RE: OGX RESOURCES, LLC.
WEEMS #1 30-015-35789
EDDY COUNTY, NM
RIG: GREYWOLF #514
FIELD: OTTIS: MORROW
PES FILE NO.: 101007331-NM-NM

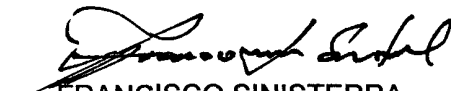
To whom it may concern:

We hereby certify that the enclosed Original Field Survey Data contained in this report represents to the best of our knowledge, a true and accurate survey of the well at the time the survey was run.

DIRECTIONAL SURVEY DATA
1 – Original survey report
2 – Survey report copies

We appreciate the opportunity to work with you and we look forward to your business support. If you have any questions, I can be reached at (432) 687-1647

Sincerely,


FRANCISCO SINISTERRA
M/LWD Service Coordinator
PathFinder Energy Services

ML:sh

10-16-08
2:30 PM



DIRECTIONAL SURVEY REPORT

OGX RESOURCES, LLC.

WEEMS #1

EDDY COUNTY, NEW MEXICO

PREPARED BY: FRANCISCO SINISTERRA

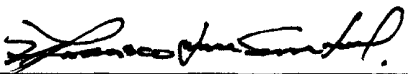
Pathfinder Energy Services, Inc.
6213 W. County Road 112 • Midland, TX • 79706
(432)681-6000

DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
2. NAME OF PERSON(S) PERFORMING SURVEY: A) M. EVANS
3. POSITION OF SAID PERSON(S): (A-F) SURVEYORS (FIELD ENGINEERS)
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 5/17/08 TO 5/23/08
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:

OGX RESOURCES, LLC.
WEEMS #1
EDDY COUNTY, NM
RIG: GREYWOLF #514
9. SURVEY CERTIFIED FROM: 5603 TO 12334 FEET MEASURED DEPTH.

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 908.37 FEET ON A BEARING OF 64.32 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT A PROJECTED BIT DEPTH OF 12400 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: 04/11/2008
Date Completed: 04/28/2008

OGX RESOURCES, LLC
WEEMS #1
Eddy COUNTY, NM
Rig: Greywolf #514
PathFinder Office Supervisor: Francisco Sinisterra
PathFinder Field Engineers: M. Evans

Survey Horiz. Reference: WELLHEAD
Ref Coordinates: LAT: 32.21.11.2923 N LON: 104.2.23.3498 W
GRID Reference: NAD27 new mexico east Transverse Mercator
Ref GRID Coord: X: 590637.4870 Y: 492310.9270
North Aligned To: GRID NORTH
Total Magnetic Correction: 8.15° EAST TO GRID
Vertical Section Plane: 64.03
Survey Vert. Reference: 27.50' Kelly Bushing To Ground
Altitude: 3106.00' Ground To MSL

Measured Depth	12400.00	(feet)
Inclination	0.97	(deg)
Azimuth	262.15	(deg)
True Vertical Depth	12306.05	(feet)
Vertical Section	908.36	(feet)
Survey X cord	591456.12	(feet)
Survey Y cord	492704.60	(feet)
Survey Lat	32.35421271 N	(deg)
Survey Lon	104.03716490 W	(deg)
Rectangular Corr. N/S	393.67 N	(feet)
Rectangular Corr. E/W	818.63 E	(feet)
Closure Distance	908.37	(feet)
Direction of Closure	64.32	(deg)
Dogleg Severity	0.00	(deg/100ft)

PathFinder Energy Services, Inc.

Survey Report

OGX RESOURCES, LLC

WEEMS #1

Eddy COUNTY, NM

Rig: Greywolf #514

PathFinder Office Supervisor: Francisco Sinisterra

PathFinder Field Engineers: M. Evans

Survey Horiz. Reference: WELLHEAD

Ref Coordinates: LAT: 32.21.11.2923 N LON: 104.2.23.3498 W

Reference: NAD27 new mexico east Transverse Mercator

Ref GRID Coord: X: 590637.4870 Y: 492310.9270

North Aligned To: GRID NORTH

Total Magnetic Correction: 8.15° EAST TO GRID

Vertical Section Plane: 64.03

Survey Vert. Reference: 27.50' Kelly Bushing To Ground

Altitude: 3106.00' Ground To MSL

Survey Calculations by PathCalc v1.97 using Minimum Curvature

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
TIE-IN PROVIDED BY SCIENTIFIC DRILLING @ 5771' MD										
5571.00	1.08	237.22	5570.05	0.00	18.32	7.59 S	24.07 E	25.24@	107.50	0.00
THE FOLLOWING ARE PATHFINDER MWD SURVEYS										
5603.00	0.09	250.90	5602.05	32.00	17.99	7.76 S	23.79 E	25.03@	108.07	3.10
5635.00	1.06	63.35	5634.05	32.00	18.26	7.64 S	24.03 E	25.22@	107.63	3.59
5667.00	2.37	67.83	5666.03	32.00	19.22	7.25 S	24.91 E	25.95@	106.24	4.11
5699.00	3.61	67.56	5697.99	32.00	20.88	6.62 S	26.45 E	27.27@	104.05	3.88
5731.00	4.57	70.03	5729.91	32.00	23.16	5.80 S	28.58 E	29.17@	101.47	3.05
5763.00	4.84	67.48	5761.80	32.00	25.77	4.85 S	31.03 E	31.41@	98.88	1.07
5794.00	4.66	66.33	5792.69	31.00	28.34	3.84 S	33.39 E	33.61@	96.56	0.66
5826.00	5.19	66.33	5824.57	32.00	31.08	2.74 S	35.91 E	36.01@	94.36	1.66
5858.00	5.98	65.37	5856.42	32.00	34.19	1.46 S	38.75 E	38.78@	92.16	2.49
5890.00	6.86	65.54	5888.22	32.00	37.77	0.02 N	42.00 E	42.00@	89.97	2.75
5921.00	8.00	63.87	5918.96	31.00	41.78	1.74 N	45.62 E	45.66@	87.82	3.74
5953.00	9.23	62.47	5950.60	32.00	46.57	3.91 N	49.90 E	50.05@	85.52	3.90
5985.00	9.58	60.01	5982.17	32.00	51.79	6.42 N	54.48 E	54.86@	83.28	1.67
6017.00	9.85	59.83	6013.71	32.00	57.18	9.13 N	59.15 E	59.86@	81.23	0.85
6049.00	10.64	61.41	6045.20	32.00	62.86	11.92 N	64.11 E	65.21@	79.47	2.62
6080.00	11.34	63.42	6075.63	31.00	68.77	14.65 N	69.35 E	70.88@	78.07	2.57
6112.00	11.34	64.58	6107.00	32.00	75.06	17.41 N	75.01 E	77.00@	76.93	0.71
6144.00	12.05	65.89	6138.34	32.00	81.54	20.13 N	80.90 E	83.37@	76.03	2.37
6207.00	12.75	67.09	6199.87	63.00	95.06	25.52 N	93.31 E	96.73@	74.70	1.18
6303.00	12.84	64.66	6293.49	96.00	116.30	34.21 N	112.70 E	117.78@	73.12	0.57
6398.00	12.05	65.72	6386.25	95.00	136.77	42.80 N	131.28 E	138.09@	71.94	0.87

PathFinder Energy Services, Inc.

Survey Report

OGX RESOURCES, LLC
WEEMS #1
Eddy COUNTY, NM
RIG:Greywolf #514

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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
6493.00	12.22	65.72	6479.13	95.00	156.73	51.02 N	149.49 E	157.95@	71.16	0.18
6589.00	12.05	62.47	6572.99	96.00	176.91	59.83 N	167.64 E	177.99@	70.36	0.73
6684.00	12.31	60.09	6665.85	95.00	196.92	69.46 N	185.21 E	197.80@	69.44	0.60
6779.00	12.93	59.74	6758.55	95.00	217.62	79.86 N	203.17 E	218.30@	68.54	0.66
6875.00	11.96	58.42	6852.30	96.00	238.23	90.49 N	220.92 E	238.73@	67.73	1.05
6970.00	11.96	60.32	6945.24	95.00	257.85	100.52 N	237.86 E	258.22@	67.09	0.41
7065.00	12.57	59.21	7038.07	95.00	277.98	110.68 N	255.29 E	278.25@	66.56	0.69
7160.00	13.10	62.43	7130.69	95.00	299.04	120.96 N	273.71 E	299.25@	66.16	0.94
7254.00	13.09	64.21	7222.25	94.00	320.33	130.52 N	292.74 E	320.52@	65.97	0.43
7350.00	12.22	64.45	7315.92	96.00	341.36	139.63 N	311.69 E	341.54@	65.87	0.91
7445.00	12.84	65.15	7408.65	95.00	361.97	148.40 N	330.34 E	362.15@	65.81	0.67
7540.00	13.28	61.15	7501.20	95.00	383.42	158.10 N	349.48 E	383.58@	65.66	1.06
7635.00	11.70	61.24	7593.95	95.00	403.94	168.00 N	367.48 E	404.06@	65.43	1.66
7731.00	10.90	62.38	7688.09	96.00	422.74	176.89 N	384.06 E	422.84@	65.27	0.87
7826.00	11.52	60.97	7781.27	95.00	441.19	185.66 N	400.31 E	441.27@	65.12	0.71
7921.00	12.84	61.59	7874.13	95.00	461.21	195.29 N	417.89 E	461.27@	64.95	1.40
8015.00	12.40	66.69	7965.86	94.00	481.73	204.25 N	436.35 E	481.79@	64.92	1.27
8110.00	13.37	63.43	8058.47	95.00	502.90	213.20 N	455.54 E	502.96@	64.92	1.28
8205.00	12.93	62.73	8150.98	95.00	524.51	222.98 N	474.81 E	524.56@	64.84	0.49
8300.00	12.66	65.10	8243.62	95.00	545.55	232.24 N	493.70 E	545.60@	64.81	0.62
8395.00	13.28	64.14	8336.20	95.00	566.86	241.38 N	512.96 E	566.92@	64.80	0.69
8491.00	12.31	61.68	8429.81	96.00	588.12	251.04 N	531.89 E	588.16@	64.73	1.16
8586.00	11.61	60.88	8522.75	95.00	607.78	260.50 N	549.16 E	607.81@	64.62	0.76
8681.00	12.22	59.92	8615.70	95.00	627.35	270.19 N	566.21 E	627.37@	64.49	0.68
8776.00	12.93	63.78	8708.43	95.00	648.01	279.93 N	584.45 E	648.03@	64.41	1.16
8872.00	13.28	62.73	8801.93	96.00	669.77	289.72 N	603.88 E	669.79@	64.37	0.44
8967.00	12.66	61.24	8894.50	95.00	691.08	299.73 N	622.71 E	691.09@	64.30	0.74

PathFinder Energy Services, Inc.

Survey Report

OGX RESOURCES, LLC
WEEMS #1
Eddy COUNTY, NM
RIG: Greywolf #514

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Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
9063.00	12.31	64.40	8988.23	96.00	711.82	309.22 N	641.16 E	711.83@	64.25	0.80
9158.00	12.40	65.10	9081.03	95.00	732.15	317.89 N	659.54 E	732.15@	64.27	0.18
9253.00	11.43	63.17	9173.99	95.00	751.76	326.43 N	677.20 E	751.76@	64.26	1.10
9333.00	11.17	61.32	9252.43	80.00	767.42	333.73 N	691.07 E	767.43@	64.22	0.56
9459.00	11.52	59.30	9375.97	126.00	792.15	346.01 N	712.59 E	792.16@	64.10	0.42
9555.00	10.90	65.81	9470.14	96.00	810.78	354.62 N	729.12 E	810.78@	64.06	1.47
9650.00	11.78	66.50	9563.29	95.00	829.45	362.17 N	746.20 E	829.45@	64.11	0.94
9745.00	12.31	67.04	9656.20	95.00	849.25	369.99 N	764.42 E	849.25@	64.17	0.57
9841.00	9.85	62.38	9750.40	96.00	867.68	377.79 N	781.12 E	867.68@	64.19	2.72
9936.00	8.09	60.97	9844.24	95.00	882.48	384.80 N	794.17 E	882.48@	64.15	1.87
10031.00	6.33	61.39	9938.48	95.00	894.39	390.55 N	804.61 E	894.39@	64.11	1.85
10128.00	2.99	46.38	10035.15	97.00	902.14	394.86 N	811.14 E	902.14@	64.04	3.64
10224.00	5.01	77.58	10130.92	96.00	908.60	397.49 N	817.05 E	908.60@	64.06	3.02
10319.00	3.96	76.88	10225.63	95.00	915.83	399.12 N	824.29 E	915.84@	64.16	1.11
10415.00	3.61	57.46	10321.43	96.00	922.07	401.50 N	830.07 E	922.07@	64.19	1.38
10510.00	1.32	40.85	10416.33	95.00	926.05	403.94 N	833.31 E	926.05@	64.14	2.50
10606.00	0.53	244.31	10512.33	96.00	926.62	404.58 N	833.63 E	926.62@	64.11	1.89
10701.00	0.70	337.92	10607.32	95.00	926.22	404.93 N	833.02 E	926.22@	64.08	0.95
10797.00	0.79	332.17	10703.31	96.00	926.24	406.06 N	832.49 E	926.24@	64.00	0.12
10893.00	0.76	324.98	10799.30	96.00	926.12	407.16 N	831.81 E	926.12@	63.92	0.11
10988.00	1.32	325.26	10894.29	95.00	925.85	408.58 N	830.83 E	925.86@	63.81	0.59
11084.00	1.06	326.31	10990.27	96.00	925.56	410.23 N	829.70 E	925.58@	63.69	0.27
11179.00	1.06	162.13	11085.26	95.00	925.32	410.12 N	829.49 E	925.34@	63.69	2.21
11275.00	0.88	179.01	11181.25	96.00	924.88	408.54 N	829.77 E	924.89@	63.79	0.35
11372.00	0.70	180.85	11278.24	97.00	924.30	407.20 N	829.78 E	924.31@	63.86	0.19
11467.00	0.53	196.15	11373.23	95.00	923.75	406.20 N	829.64 E	923.75@	63.91	0.25
11560.00	0.62	218.74	11466.23	93.00	923.00	405.39 N	829.21 E	923.00@	63.95	0.26

PathFinder Energy Services, Inc.

Survey Report

OGX RESOURCES, LLC
WEEMS #1
Eddy COUNTY, NM
RIG:Greywolf #514

Page 04/04

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
11658.00	1.23	193.60	11564.22	98.00	921.85	403.96 N	828.63 E	921.85@	64.01	0.73
11754.00	1.23	196.94	11660.19	96.00	920.49	401.97 N	828.09 E	920.50@	64.11	0.07
11849.00	1.23	215.48	11755.17	95.00	918.90	400.17 N	827.20 E	918.91@	64.18	0.42
11944.00	1.32	219.26	11850.15	95.00	917.02	398.49 N	825.92 E	917.02@	64.24	0.13
12039.00	1.14	236.14	11945.13	95.00	915.09	397.11 N	824.44 E	915.09@	64.28	0.42
12134.00	1.76	214.69	12040.10	95.00	912.88	395.39 N	822.82 E	912.89@	64.33	0.86
12230.00	0.79	260.22	12136.07	96.00	910.96	394.06 N	821.33 E	910.97@	64.37	1.39
12326.00	0.97	262.33	12232.06	96.00	909.55	393.84 N	819.87 E	909.56@	64.34	0.19
12334.00	0.97	262.15	12240.06	8.00	909.42	393.82 N	819.74 E	909.43@	64.34	0.04
STRAIGHT LINE PROJECTION TO BIT @ 12,400' MD										
12400.00	0.97	262.15	12306.05	66.00	908.36	393.67 N	818.63 E	908.37@	64.32	0.00



ENERGY SERVICES

TIE-IN SURVEY INFORMATION SHEET

CLIENT INFORMATION

CLIENT:	OGX Resources, LLC		
LEASE / WELL No.:	Weems	#1	
WELL LOCATION:	Eddy County		
COUNTY / STATE / COUNTRY:	Eddy County	NM	USA
RIG:	Greywolf #514		
API WELL No:	30-015-35789		
JOB No:	101007331 WT-WT		
P.O. / AFE No.	8015002-0137000		
DIRECTIONAL COMPANY:	Pathfinder Energy		

WELL SITE INFORMATION

MAGNETIC DECLINATION:			
On Wall Plat:	8.15	LWD Calculated:	8.150849
Agreed Upon:		8.15	
X =	590637.487000	Feet	Y = 492310.927000
Feet		Feet	
SITE LATITUDE:	32.353332 N	SITE LONGITUDE:	104.173680 W
GRID SYSTEM:	TRUE ☐ UTM ☐ LAMBERT ☒	ZONE:	New Mexico East
PROPOSED DRIFT DIRECTION:	64.03		
KELLY BUSHING ELEVATION:	27.5		
ALTITUDE:	3106	Feet	WATER DEPTH:
			Feet

TIE-IN SURVEY

MEASURED DEPTH:	5571		
DRIFT ANGLE:	1.08		
DRIFT DIRECTION:	237.22		
TRUE VERTICAL DEPTH:	5570.05		
VERTICAL SECTION:	18.32		
RECTANGULAR COORDINATE (N / S) :	-7.59		
RECTANGULAR COORDINATE (E / W) :	24.07		
CLOSURE DISTANCE / DIRECTION:	25.24	107.5	
SURVEY CALCULATION METHOD:	AA ☐	MC ☒	RC ☐ BT ☐
SOURCE OF TIE-IN DATA (COMPANY):	Scientific Drilling Controls		
COPY OF TIE-IN SURVEY REPORT	☐ YES ☒ NO		

WELL PLAN

KICKOFF DEPTH:	6028.79	TOTAL DEPTH:	11,001.51
KICKOFF ANGLE:	0	MAX ANGLE:	12.86

PES Engineers:

Mike Evans

**Signature of both field engineers required if applicable

Directional Driller:

[Signature]

DATE: 17-Apr-2008

PathFinder Energy Services, Inc.

Magnetic & Grid Calculations

OGX RESOURCES, LLC.
WEEMS # 1
EDDY COUNTY, NEW MEXICO
Rig:GREYWOLF 514

Fri Apr 11 16:54:30 2008

Coordinates

Latitude: 32.353332 N (32 deg. 21 min. 11.9967 sec.)
Longitude: 104.173680 W (-104 deg. 10 min. 25.2473 sec.)
Elevation: 3106.00 feet.
Calculation Date: Apr/11/2008

Magnetic Calculations

Model: IGRF2005
Dip Angle: 60.2893 degrees
Total Magnetic Field: 0.48970 gauss
Magnetic Declination: 8.236286 degrees
Horizontal Intensity: 0.242704 gauss
To Convert a Magnetic Dir. to a TRUE North Dir. Add 8.236286 Degr

Transverse Mercator Grid Calculations NAD83

Grid System: Transverse Mercator: new mexico east
Ellipsoid: GRS80
X: 590637.4870 feet
Y: 492310.9270 feet
True to Grid: (convergence) -0.085437 degrees
Magnetic to Grid: 8.150849 degrees
To Convert a Magnetic Dir. to a GRID dir. Add 8.150849 Degr.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

**NOTIFY OCD OF SPUD & TIME
TO WITNESS CEMENTING OF
SURFACE CASING**

sources

Form C-101
May 27, 2004

Submit to appropriate District Office

SEP 10 2007
OCD-ARTESIA

☐ AMENDED REPORT

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN,
PLUGBACK, OR ADD A ZONE**

¹ Operator Name and Address OGX Resources, LLC POB 2064 Midland, TX 79702		² OGRID Number 217955
		³ API Number 30 - 015 - 35789
³ Property Code 34722	⁵ Property Name Weems	⁶ Well No. 001
⁹ Proposed Pool 1 OTIS; MORROW (Gas)		¹⁰ Proposed Pool 2

Surface Location

UL or lot no. B	Section 34	Township 22S	Range 27E	Lot Idn	Feet from the 1073	North/South line North	Feet from the 1501	East/West line East	County Eddy
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Proposed Bottom Hole Location If Different From Surface

UL or lot no. A	Section 34	Township 22S	Range 27E	Lot Idn	Feet from the 660	North/South line North	Feet from the 660	East/West line East	County Eddy
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Additional Well Information

¹¹ Work Type Code New	¹² Well Type Code Gas	¹³ Cable/Rotary	¹⁴ Lease Type Code State	¹⁵ Ground Level Elevation 3106'
¹⁶ Multiple N/A	¹⁷ Proposed Depth 12,400'	¹⁸ Formation Morrow	¹⁹ Contractor	²⁰ Spud Date 12/1/2007
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic ☒ 12 mils thick Clay ☐ Pit Volume: 28,500 bbls Closed-Loop System ☐ Drilling Method: Fresh Water ☒ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐				

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17.5	13.375	54.5	325	605	0
12.25	9.625	40	5500	2135	0
8.75	7.625	33.7	9700	715	0
6.5	5.5	20	11600	305	9400
6.5	5.5	20	12400	305	0

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.
13 3/8" casing set depth is 325', mud wt. 8.6-8.8, vis. 36-38, pH 9.0-10.0, FL/NC, lead slurry 200 sx Premium cmt. + 94 lbm/sk cmt. + 1% CaCl + 10 lbm/sk Gilsenite + 0.25 lbm/sk Poly-E-Flake, tail slurry 180 sx Premium Plus cmt. + 94 lbm/sk Premium Plus cmt. + 2% CaCl. 9 5/8" casing set depth is 5500', mud wt. 10.0-10.1, vis. 29-30, pH 9.0-10.0, FL/NC, lead slurry 1480 sx 50/50 Poz Premium Plus + 10% Bentonite + 5% Salt + 5 lbm/sk Gilsenite + 0.25 lbm/sk Poly-E-Flake, tail slurry 655 sx Premium Plus cmt. + 94 lbm/sk Premium Plus + 2% CaCl. 7 5/8" casing set depth is 9700', mud wt. 8.4-10.0, vis. 28-29, pH 9.0-10.0, FL/NC, lead slurry 550 sx 50/50 Poz Premium + 10% Bentonite + 0.3% Halad-9 + 5% Salt + 0.125 lbm/sk Poly-E-Flake, tail slurry 165 sx Premium + 94 lbm/sk Premium cmt. + 0.5% Halad-9. 5 1/2" casing set depth is 12,400', mud wt. 10.0-11.5, vis. 36-45, pH 9-10, FL/10cc, 12 bbl Tuned spacer pumped, tail slurry 305 sx Premium cmt. + 94 lbm/sk Premium cmt. + 0.5% LAP-1 + 0.4% CFR-3 + 0.25 lbm/sk D-AIR 3000 + 0.2% HR-5. Mud up at 11,600-12,400', reduce API filtrate to <6cc w/ starch, raise vis. to 38-40 sec/1000cc with Dynazan, if abnormal pressures are encountered increase mud wt. and raise vis. to 45+ sec/1000cc.

Operator to set surface casing above the Salado. BGO

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOC guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Signature: Angela Lightner
Printed name: Angela Lightner

Title: Consultant

E-mail Address: angela@rkford.com

Date: 9/10/2007

Phone: 432/682/0440

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

SEP 12 2007

Conditions of Approval Attached ☐

BRYAN G. ARANT
DISTRICT II GEOLOGIST

Expiration Date:

SEP 12 2008