

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

JUN - 4 2009

FORM APPROVED
OMB No 1004-0137
Expires: July 31, 2010

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.

5. Lease Serial No.
NM 100555

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE – Other instructions on page 2.

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

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
Cooper "29" Federal #1H

2. Name of Operator

OGX RESOURCES, LLC

9. API Well No.
30 015 36932

3a. Address

P.O. Box 2064, Midland, TX 79702

3b. Phone No. (include area code)

432 685 1287

10. Field and Pool or Exploratory Area
Rock Spur, Bone Spring

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

2230' FSL & 560' FWL, Sec 29, T25S, R29E; BHL 350' FEL, 1980' FSL

11. Country or Parish, State
Eddy County, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other <u>Directional</u>
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	<u>Survey</u>
	☐ 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 must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Please see attached the Directional Survey Report by Pathfinder Energy Services.

On future sundries, show new BHL as determined by directional survey,

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Ann E. Ritchie

Title Regulatory Agent

Signature

Date 05/21/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Office

ACCEPTED FOR RECORD

JUN 2 2009

WESLEY W. INGRAM

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.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)



DIRECTIONAL SURVEY REPORT

OGX RESOURCES

COOPER "29" FED # 1H

EDDY COUNTY, NEW MEXICO

PREPARED BY: FRANCISCO SINISTERRA

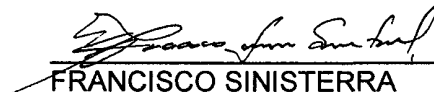
Pathfinder Energy Services, Inc.
6213 W. County Road 112 • Midland, TX • 79706
(432)681-6000

DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
2. NAME OF PERSON(S) PERFORMING SURVEY:
A) JUSTIN FALLIN
3. POSITION OF SAID PERSON(S): (A-F) SURVEYORS (FIELD ENGINEERS)
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 3/8/09 TO 3/19/09
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
COOPER "29" FED # 1H
EDDY COUNTY, NM
RIG: JW #1
9. SURVEY CERTIFIED FROM: 6914 TO 11327 FEET MEASURED DEPTH.

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 4091.86 FEET ON A BEARING OF 93.7 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT A PROJECTED BIT DEPTH OF 11400 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: 03/08/2009
Date Completed: 03/19/2009

OGX RESOURCES, LLC.
COOPER "29" FEDERAL #1H
EDDY COUNTY, NM
Rig:JW #1
PathFinder Office Supervisor: FRANCISCO SINISTERRA
PathFinder Field Engineers:J.FALLIN
B.BLAKEMORE

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:32.5.58.7237 N LON:104.0.45.9259 W
GRID Reference:NAD27 new mexico east Transverse Mercator
Ref GRID Coord: X: 599269.5000 Y: 400121.9000
North Aligned To:GRID NORTH
Total Magnetic Correction: 7.87° EAST TO GRID
Vertical Section Plane: 93.53
Survey Vert. Reference: 17.00' Rotary Table To Ground
Altitude:2949.00' Ground To MSL

Measured Depth	11400.00	(feet)
Inclination	90.57	(deg)
Azimuth	91.84	(deg)
True Vertical Depth	7548.78	(feet)
Vertical Section	4091.84	(feet)
Survey X cord	603352.83	(feet)
Survey Y cord	399857.91	(feet)
Survey Lat	32.09888572 N	(deg)
Survey Lon	103.99957351 W	(deg)
Rectangular Corr. N/S	263.99 S	(feet)
Rectangular Corr. E/W	4083.33 E	(feet)
Closure Distance	4091.86	(feet)
Direction of Closure	93.70	(deg)
Dogleg Severity	0.00	(deg/100ft)

PathFinder Energy Services, Inc.

Survey Report

OGX RESOURCES, LLC.
COOPER "29" FEDERAL #1H
EDDY COUNTY, NM

Rig:JW #1

PathFinder Office Supervisor: FRANCISCO SINISTERRA

PathFinder Field Engineers: J.FALLIN

B.BLAKE MORE

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:32.5.58.7237 N LON:104.0.45.9259 W
Reference:NAD27 new mexico east Transverse Mercator
Ref GRID Coord: X: 599269.5000 Y: 400121.9000
North Aligned To:GRID NORTH
Total Magnetic Correction: 7.87° EAST TO GRID
Vertical Section Plane: 93.53
Survey Vert. Reference: 17.00' Rotary Table To Ground
Altitude:2949.00' Ground To MSL

Survey Calculations by RX5 V5.11i 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)
THE FOLLOWING IS SCIENTIFIC DRILLING TIE IN @ 6882' MD.										
6882.00	2.95	159.40	6880.95	0.00	-20.33	58.88 S	24.00 W	63.58@	202.18	0.00
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.										
6914.00	2.29	156.75	6912.92	32.00	-19.70	60.24 S	23.46 W	64.64@	201.28	2.10
6946.00	2.29	158.73	6944.89	32.00	-19.15	61.42 S	22.97 W	65.58@	200.51	0.25
6977.00	2.73	144.80	6975.86	31.00	-18.43	62.60 S	22.32 W	66.46@	199.63	2.42
7008.00	5.54	116.07	7006.78	31.00	-16.58	63.86 S	20.55 W	67.09@	197.84	10.99
7039.00	8.71	120.96	7037.54	31.00	-13.12	65.73 S	17.20 W	67.94@	194.66	10.40
7071.00	12.13	119.00	7069.01	32.00	-7.93	68.61 S	12.18 W	69.68@	190.06	10.74
7102.00	15.74	118.81	7099.09	31.00	-1.18	72.21 S	5.64 W	72.43@	184.47	11.65
7133.00	18.99	118.14	7128.67	31.00	7.21	76.62 S	2.49 E	76.66@	178.14	10.50
7165.00	22.25	116.27	7158.62	32.00	17.53	81.76 S	12.52 E	82.71@	171.29	10.39
7195.00	25.15	114.31	7186.08	30.00	28.73	86.90 S	23.43 E	90.00@	164.91	10.02
7226.00	27.87	112.05	7213.82	31.00	41.76	92.33 S	36.15 E	99.15@	158.62	9.36
7257.00	30.78	110.26	7240.85	31.00	56.23	97.80 S	50.31 E	109.98@	152.78	9.80
7289.00	33.77	107.72	7267.90	32.00	72.70	103.34 S	66.46 E	122.87@	147.25	10.26
7321.00	37.37	107.33	7293.93	32.00	90.76	108.94 S	84.21 E	137.70@	142.30	11.27
7352.00	40.71	106.95	7318.00	31.00	109.74	114.69 S	102.87 E	154.07@	138.11	10.80
7383.00	43.62	104.84	7340.98	31.00	130.06	120.38 S	122.88 E	172.02@	134.41	10.44
7415.00	46.87	102.16	7363.51	32.00	152.44	125.67 S	144.97 E	191.86@	130.92	11.77
7446.00	50.65	100.58	7383.94	31.00	175.53	130.26 S	167.82 E	212.44@	127.82	12.78
7477.00	54.34	98.85	7402.81	31.00	199.97	134.40 S	192.06 E	234.41@	124.98	12.70
7509.00	57.86	97.94	7420.66	32.00	226.43	138.27 S	218.33 E	258.43@	122.35	11.25
7540.00	61.20	97.41	7436.38	31.00	253.07	141.83 S	244.81 E	282.93@	120.09	10.87
7571.00	63.93	96.06	7450.66	31.00	280.54	145.06 S	272.13 E	308.37@	118.06	9.62
7603.00	66.74	95.41	7464.01	32.00	309.60	147.96 S	301.06 E	335.45@	116.17	8.97

PathFinder Energy Services, Inc.

Survey Report

OGX RESOURCES, LLC.
COOPER "29" FEDERAL #1H
EDDY COUNTY, NM
RIG:JW #1

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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)
7634.00	69.38	95.20	7475.59	31.00	338.34	150.62 S	329.69 E	362.46@	114.55	8.54
7665.00	70.35	94.49	7486.26	31.00	367.43	153.08 S	358.69 E	389.99@	113.11	3.80
7696.00	73.25	93.79	7495.94	31.00	396.88	155.20 S	388.06 E	417.94@	111.80	9.60
7728.00	75.27	92.13	7504.63	32.00	427.67	156.79 S	418.81 E	447.20@	110.52	8.05
7759.00	78.96	89.51	7511.54	31.00	457.85	157.22 S	449.02 E	475.75@	109.30	14.48
7791.00	81.34	89.05	7517.01	32.00	489.29	156.82 S	480.55 E	505.49@	108.07	7.57
7822.00	83.36	88.79	7521.14	31.00	519.91	156.24 S	511.26 E	534.60@	106.99	6.57
7853.00	85.38	89.09	7524.18	31.00	550.66	155.67 S	542.11 E	564.02@	106.02	6.59
7883.00	86.79	89.33	7526.23	30.00	580.51	155.26 S	572.03 E	592.73@	105.18	4.77
7946.00	86.26	89.27	7530.05	63.00	643.22	154.49 S	634.91 E	653.44@	103.68	0.85
8009.00	87.32	90.41	7533.57	63.00	705.99	154.31 S	697.81 E	714.67@	102.47	2.47
8072.00	86.26	89.84	7537.10	63.00	768.78	154.45 S	760.71 E	776.23@	101.48	1.91
8103.00	85.91	89.77	7539.22	31.00	799.64	154.35 S	791.64 E	806.55@	101.03	1.15
8163.00	88.02	89.52	7542.39	60.00	859.41	153.97 S	851.55 E	865.36@	100.25	3.54
8195.00	90.04	90.19	7542.94	32.00	891.34	153.89 S	883.54 E	896.85@	99.88	6.65
8257.00	88.64	88.95	7543.65	62.00	953.19	153.43 S	945.54 E	957.90@	99.22	3.02
8320.00	89.25	87.63	7544.81	63.00	1015.91	151.55 S	1008.49 E	1019.82@	98.55	2.31
8383.00	91.10	88.23	7544.62	63.00	1078.61	149.27 S	1071.45 E	1081.80@	97.93	3.09
8446.00	91.71	88.77	7543.07	63.00	1141.35	147.62 S	1134.41 E	1143.97@	97.41	1.29
8508.00	90.84	87.08	7541.69	62.00	1203.03	145.38 S	1196.35 E	1205.15@	96.93	3.06
8601.00	89.52	87.73	7541.40	93.00	1295.50	141.17 S	1289.25 E	1296.96@	96.25	1.58
8633.00	88.72	86.88	7541.89	32.00	1327.30	139.66 S	1321.21 E	1328.57@	96.03	3.65
8696.00	88.20	87.57	7543.59	63.00	1389.90	136.62 S	1384.11 E	1390.84@	95.64	1.37
8727.00	89.43	89.26	7544.23	31.00	1420.77	135.76 S	1415.09 E	1421.59@	95.48	6.74
8758.00	90.48	92.36	7544.25	31.00	1451.73	136.20 S	1446.09 E	1452.49@	95.38	10.56
8789.00	91.28	93.33	7543.78	31.00	1482.72	137.74 S	1477.05 E	1483.45@	95.33	4.06

PathFinder Energy Services, Inc.

Survey Report

OGX RESOURCES, LLC.
COOPER "29" FEDERAL #1H
EDDY COUNTY, NM
RIG:JW #1

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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)
8851.00	92.59	94.32	7541.68	62.00	1544.68	141.87 S	1538.87 E	1545.39@	95.27	2.65
8883.00	92.51	94.31	7540.26	32.00	1576.65	144.27 S	1570.75 E	1577.36@	95.25	0.25
8913.00	92.51	93.85	7538.94	30.00	1606.62	146.41 S	1600.64 E	1607.32@	95.23	1.53
8976.00	92.07	93.46	7536.43	63.00	1669.57	150.42 S	1663.46 E	1670.25@	95.17	0.93
9006.00	90.40	93.73	7535.78	30.00	1699.56	152.30 S	1693.40 E	1700.23@	95.14	5.64
9069.00	90.57	93.34	7535.25	63.00	1762.56	156.18 S	1756.27 E	1763.21@	95.08	0.68
9162.00	90.04	93.40	7534.75	93.00	1855.56	161.65 S	1849.11 E	1856.16@	95.00	0.57
9193.00	90.31	93.84	7534.66	31.00	1886.56	163.61 S	1880.05 E	1887.16@	94.97	1.67
9256.00	90.66	94.97	7534.12	63.00	1949.55	168.45 S	1942.86 E	1950.15@	94.96	1.88
9288.00	89.87	94.98	7533.98	32.00	1981.54	171.22 S	1974.74 E	1982.15@	94.96	2.47
9351.00	88.46	95.67	7534.90	63.00	2044.50	177.07 S	2037.46 E	2045.14@	94.97	2.49
9413.00	87.85	94.92	7536.89	62.00	2106.43	182.79 S	2099.16 E	2107.10@	94.98	1.56
9476.00	87.85	94.57	7539.25	63.00	2169.37	187.99 S	2161.90 E	2170.06@	94.97	0.56
9538.00	87.93	94.62	7541.54	62.00	2231.32	192.96 S	2223.66 E	2232.02@	94.96	0.15
9600.00	88.37	94.15	7543.54	62.00	2293.28	197.70 S	2285.45 E	2293.98@	94.94	1.04
9663.00	88.72	93.92	7545.14	63.00	2356.26	202.13 S	2348.27 E	2356.95@	94.92	0.67
9724.00	89.08	93.48	7546.31	61.00	2417.25	206.06 S	2409.13 E	2417.93@	94.89	0.93
9787.00	89.52	93.02	7547.08	63.00	2480.24	209.63 S	2472.02 E	2480.90@	94.85	1.01
9848.00	89.60	92.71	7547.55	61.00	2541.24	212.68 S	2532.95 E	2541.86@	94.80	0.53
9910.00	89.96	92.95	7547.79	62.00	2603.23	215.74 S	2594.87 E	2603.82@	94.75	0.70
9972.00	88.37	91.75	7548.69	62.00	2665.21	218.29 S	2656.81 E	2665.76@	94.70	3.21
10033.00	88.29	91.39	7550.47	61.00	2726.15	219.96 S	2717.76 E	2726.65@	94.63	0.60
10095.00	88.11	89.99	7552.41	62.00	2788.04	220.70 S	2779.72 E	2788.47@	94.54	2.28
10157.00	87.76	89.36	7554.65	62.00	2849.86	220.35 S	2841.68 E	2850.21@	94.43	1.16
10220.00	87.76	91.30	7557.11	63.00	2912.71	220.71 S	2904.63 E	2913.00@	94.35	3.08
10282.00	87.67	90.97	7559.58	62.00	2974.60	221.94 S	2966.57 E	2974.86@	94.28	0.55

PathFinder Energy Services, Inc.

Survey Report

OGX RESOURCES, LLC.
COOPER "29" FEDERAL #1H
EDDY COUNTY, NM
RIG:JW #1

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)
10344.00	87.49	90.20	7562.20	62.00	3036.47	222.57 S	3028.51 E	3036.68@	94.20	1.27
10407.00	87.49	91.61	7564.96	63.00	3099.34	223.57 S	3091.44 E	3099.51@	94.14	2.24
10468.00	89.52	91.54	7566.55	61.00	3160.28	225.24 S	3152.39 E	3160.43@	94.09	3.33
10529.00	90.57	91.87	7566.50	61.00	3221.25	227.06 S	3213.36 E	3221.38@	94.04	1.80
10591.00	91.36	92.33	7565.46	62.00	3283.22	229.33 S	3275.31 E	3283.33@	94.01	1.47
10654.00	91.54	92.85	7563.87	63.00	3346.19	232.18 S	3338.23 E	3346.29@	93.98	0.87
10717.00	91.54	92.96	7562.17	63.00	3409.16	235.37 S	3401.12 E	3409.26@	93.96	0.17
10779.00	91.45	92.82	7560.55	62.00	3471.14	238.49 S	3463.02 E	3471.23@	93.94	0.27
10841.00	91.71	92.78	7558.85	62.00	3533.11	241.52 S	3524.93 E	3533.19@	93.92	0.42
10902.00	91.98	92.51	7556.88	61.00	3594.07	244.33 S	3585.83 E	3594.14@	93.90	0.63
10964.00	91.89	92.39	7554.79	62.00	3656.02	246.98 S	3647.74 E	3656.09@	93.87	0.24
11027.00	91.98	92.17	7552.66	63.00	3718.97	249.49 S	3710.65 E	3719.03@	93.85	0.38
11121.00	90.22	92.90	7550.86	94.00	3812.94	253.64 S	3804.54 E	3812.98@	93.81	2.03
11213.00	90.31	92.09	7550.43	92.00	3904.92	257.65 S	3896.45 E	3904.96@	93.78	0.89
11307.00	90.57	91.97	7549.71	94.00	3998.88	260.98 S	3990.39 E	3998.91@	93.74	0.30
11327.00	90.57	91.84	7549.51	20.00	4018.88	261.64 S	4010.38 E	4018.90@	93.73	0.65
STRAIGHT LINE PROJECTION TO BIT @ 11400' MD.										
11400.00	90.57	91.84	7548.78	73.00	4091.84	263.99 S	4083.33 E	4091.86@	93.70	0.00

ENERGY SERVICES

TIE-IN SURVEY INFORMATION SHEET

CLIENT INFORMATION

CLIENT:	OGX RESOURCES, LLC		
LEASE / WELL No.:	COOPER "29" FED	#1H	
WELL LOCATION:	ROCK SPUR-BONE SPRING		
COUNTY / STATE / COUNTRY:	EDDY	NEW MEXICO	USA
RIG:	JW 1		
API WELL No:	30-015-36932		
JOB No:	101008287 WT-WT		
P.O. / AFE No.	0106-0001245-000		
DIRECTIONAL COMPANY:	PATHFINDER ENERGY SERVICES		

WELL SITE INFORMATION

TOTAL MAGNETIC CORRECTION (TMC):			
On Wall Plat:	7.9	LWD Calculated:	7.868924 Agreed Upon: 7.868924
X =	599269.500000	Feet	Y = 400121.900000 Feet
SITE LATITUDE:	32.099645 N	SITE LONGITUDE:	104.012757 W
GRID SYSTEM:	TRUE ☐ UTM ☐ LAMBERT ☒ ZONE: New Mexico East		
PROPOSED DRIFT DIRECTION:	93.53		
KELLY BUSHING ELEVATION:	17		
ALTITUDE:	2949	Feet	WATER DEPTH: N/A Feet

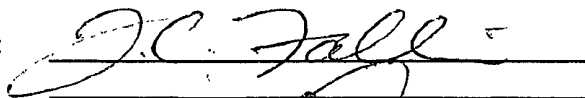
TIE-IN SURVEY

MEASURED DEPTH:	6882		
DRIFT ANGLE:	2.95		
DRIFT DIRECTION:	159.4		
TRUE VERTICAL DEPTH:	6880.95		
VERTICAL SECTION:	-20.33		
RECTANGULAR COORDINATE (N / S) :	-58.88		
RECTANGULAR COORDINATE (E / W) :	-24		
CLOSURE DISTANCE / DIRECTION:	63.58	202.18	
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:	7443.1	TOTAL DEPTH:	12122.21
KICKOFF ANGLE:	0	MAX ANGLE:	87.68

PES Engineers:



**Signature of both field engineers required if applicable

Directional Driller:



DATE: _____

SCIENTIFIC DRILLING CONTROLS

KEEPER GYRO SURVEY

Directional Survey Report

for

OGX RESOURCES

Well Number	:	COOPER "29" FED NORTH
Well Location	:	DOBY COUNTY, NEW MEXICO
Job Number	:	32K0309087
Location Latitude	:	32.099
Survey Date	:	7-MAR-2009
S.D.C. Personnel	:	VICTOR MELENDEZ JR
Length Units	:	Feet
North Reference	:	GRID North
Grid Correction	:	-0.17 Degrees
Survey Depth Zero	:	RKB
Proposal Direction	:	93.53
Calculation Method	:	Minimum Curvature

Remarks : The INPUT Survey will be called definitive

S C I E N T I F I C D R I L L I N G C O N T R O L S

Inrun Survey
for
OGX RESOURCES

Page 1

Well No.: CONFER "2" FEO MULLH

Date : 2-MAR-2009

Job No.: 32K0309067

GRID

Proposal #: 93.53

Depth (Feet)	T.V.D. (Feet)	W.S. (Feet)	Inc Deg.	Azimuth Deg.	Latitude (Feet)	Departure (Feet)	Offset /100
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0.00	0.00	0.00	0.00	359.83	0.00	0.00	0.00
100.00	100.00	0.11	0.10	55.50	0.08	0.12	0.16
200.00	200.00	0.31	0.10	82.95	0.17	0.32	0.08
300.00	300.00	0.49	0.19	148.73	0.04	0.49	0.17
400.00	400.00	0.69	0.29	156.82	0.34	0.68	0.11
500.00	500.00	1.00	0.64	163.53	1.10	0.93	0.35
600.00	599.99	1.40	0.75	165.30	-2.27	1.26	0.11
700.00	699.98	1.71	0.51	169.10	-3.34	1.51	0.24
800.00	799.97	1.88	1.29	180.64	-4.91	1.58	0.80
900.00	899.94	2.01	1.35	179.93	-7.21	1.57	0.06
1000.00	999.91	1.95	1.39	189.81	-9.58	1.36	0.24
1100.00	1099.88	1.56	1.58	194.19	-12.11	0.82	0.22
1200.00	1199.85	1.07	1.38	194.88	-14.62	0.17	0.20
1300.00	1299.82	0.14	1.25	223.21	-16.57	-0.89	0.66
1400.00	1399.80	-1.18	0.99	229.09	-17.93	-2.29	0.28
1500.00	1499.78	-2.71	1.25	240.96	-19.03	-3.89	0.35
1600.00	1599.76	-4.43	1.13	237.67	-20.09	-5.68	0.14
1700.00	1699.73	-6.47	1.58	248.06	-21.13	-7.79	0.51
1800.00	1799.69	-9.11	1.61	265.49	-21.75	-10.47	0.48
1900.00	1899.65	-11.81	1.53	263.21	-22.02	-13.20	0.10
2000.00	1999.60	-15.21	2.41	266.26	-22.32	-16.62	0.89
2100.00	2099.52	-19.07	2.08	285.75	-21.96	-20.46	0.83
2200.00	2199.49	-21.38	0.64	290.77	-21.27	-22.73	1.44
2300.00	2299.48	-22.10	0.40	331.37	-20.77	-23.43	0.43
2400.00	2399.48	-21.86	0.57	63.25	-20.24	-23.14	0.71
2500.00	2499.47	-20.44	1.13	95.86	-20.11	-21.72	0.72
2600.00	2599.45	-18.46	1.15	99.23	-20.38	-19.75	0.07
2700.00	2699.43	-16.63	0.97	104.84	-20.75	-17.94	0.21
2800.00	2799.42	-15.28	0.61	104.10	-21.10	-16.61	0.36
2900.00	2899.42	-14.24	0.59	87.39	-21.21	-15.57	0.18
3000.00	2999.41	-13.28	0.53	107.30	-21.32	-14.62	0.20
3100.00	3099.41	-12.45	0.45	105.21	-21.56	-13.80	0.08
3200.00	3199.41	-11.45	0.70	99.26	-21.76	-12.82	0.26
3300.00	3299.40	-10.37	0.66	127.78	-22.21	-11.76	0.34
3400.00	3399.39	-9.76	0.37	158.83	-22.97	-11.19	0.39
3500.00	3499.39	-9.76	0.47	121.57	-23.68	-10.72	0.78
3600.00	3599.39	-8.76	0.32	153.41	-23.85	-10.25	0.26
3700.00	3699.39	-8.54	0.11	133.17	-24.16	-10.05	0.27
3800.00	3799.39	-8.35	0.34	158.88	-24.50	-9.87	0.25
3900.00	3899.39	-8.29	0.18	194.12	-24.95	-9.91	0.22

S C I E N T I F I C D R I L L I N G C O N T R O L S

Inrun Survey
for
UGX RESOURCES

Page 2

Well No. : COOPER "29" FED NO.14

Date : 7-MAR-2009

Job No. : 32K0309087

GRID

Proposal : 93.53

Depth (Feet)	I.V.D. (Feet)	V.S. (Feet)	Inc Deg.	Azimuth Deg.	Latitude (Feet)	Departure (Feet)	Declig /100
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4000.00	3999.39	-8.23	0.06	100.87	-25.10	-9.79	0.19
4100.00	4099.39	-8.17	0.09	181.31	-25.18	-9.74	0.10
4200.00	4199.38	-8.32	0.40	209.21	-25.57	-9.91	0.32
4300.00	4299.38	-8.81	0.58	225.53	-26.23	-10.45	0.23
4400.00	4399.38	-9.53	0.52	240.86	-26.80	-11.20	0.16
4500.00	4499.37	-10.10	0.48	210.48	-27.38	-11.81	0.26
4600.00	4599.37	-10.52	0.69	205.67	-28.29	-12.29	0.22
4700.00	4699.36	-11.17	0.71	226.40	-29.26	-13.00	0.25
4800.00	4799.35	-11.67	0.45	194.90	-30.07	-13.54	0.40
4900.00	4899.35	-12.12	0.70	220.90	-30.91	-14.05	0.36
5000.00	4999.34	-13.09	0.89	234.60	-31.82	-15.08	0.27
5100.00	5099.33	-14.06	0.52	237.44	-32.51	-16.09	0.37
5200.00	5199.32	-14.87	0.79	223.71	-33.25	-16.95	0.31
5300.00	5299.31	-15.99	1.00	233.89	-34.27	-18.14	0.26
5400.00	5399.30	-17.29	0.88	238.68	-35.18	-19.50	0.14
5500.00	5499.29	-18.24	0.54	225.73	-35.91	-20.49	0.37
5600.00	5599.28	-18.92	0.77	216.54	-36.78	-21.23	0.25
5700.00	5699.27	-19.69	0.83	217.08	-37.90	-22.06	0.06
5800.00	5799.26	-20.55	0.86	221.73	-39.03	-23.00	0.07
5900.00	5899.25	-21.44	0.79	221.60	-40.11	-23.96	0.07
6000.00	5999.24	-22.90	1.24	256.33	-40.88	-25.47	0.74
6100.00	6099.22	-24.53	1.24	216.65	-42.00	-27.16	0.84
6200.00	6199.19	-25.34	1.08	197.54	-43.77	-28.09	0.42
6300.00	6299.18	-25.70	0.99	192.37	-45.51	-28.56	0.13
6400.00	6399.17	-25.98	0.71	197.29	-46.95	-28.93	0.29
6500.00	6499.15	-26.28	0.99	193.67	-48.38	-29.32	0.28
6600.00	6599.14	-26.10	1.23	165.22	-50.26	-29.25	0.59
6700.00	6699.10	-24.50	2.07	139.43	-52.57	-27.80	1.10
6800.00	6799.03	-22.12	2.16	146.25	-55.61	-25.59	0.28
6882.00	6880.95	-20.33	2.95	159.40	-58.88	-24.00	1.18

The Horizontal Displacement (in Feet) at
Measured Depth 6882.00 is 63.58 in a Direction of 202.18 Degrees

PathFinder Energy Services, Inc.

Magnetic & Grid Calculations

OGX Resources
Cooper 29 Fed #1H
Eddy County, NM
Rig:JW 1

Tue Mar 03 10:52:12 2009

Coordinates

Latitude: 32.099645 N (32 deg. 5 min. 58.7237 sec.)
Longitude: 104.012757 W (-104 deg. 0 min. 45.9259 sec.)
Elevation: 2949.00 feet.
Calculation Date: Mar/03/2009

Magnetic Calculations

Model: IGRF2005
Dip Angle: 60.0634 degrees
Total Magnetic Field: 0.48773 gauss
Magnetic Declination: 8.039278 degrees
Horizontal Intensity: 0.243396 gauss
To Convert a Magnetic Dir. to a TRUE North Dir. Add 8.039278 Degr

Transverse Mercator Grid Calculations NAD27

Grid System: Transverse Mercator: new mexico east
Ellipsoid: Clarke 1866
X: 599269.5000 feet
Y: 400121.9000 feet
True to Grid: (convergence) -0.170353 degrees
Magnetic to Grid: 7.868924 degrees
To Convert a Magnetic Dir. to a GRID dir. Add 7.868924 Degr.

PathFinder Energy Services, Inc.

Magnetic & Grid Calculations

OGX RESOURCES, LLC.
COOPER "29" FED #1H
ROCK SPUR-BONE SPRING

Mon Mar 09 21:38:34 2009

Coordinates

Latitude: 32.099645 N (32 deg. 5 min. 58.7237 sec.)
Longitude: 104.012757 W (-104 deg. 0 min. 45.9259 sec.)
Elevation: 2949.00 feet.
Calculation Date: Mar/09/2009

Magnetic Calculations

Model: IGRF2005
Dip Angle: 60.0631 degrees
Total Magnetic Field: 0.48749 gauss
Magnetic Declination: 8.035865 degrees
Horizontal Intensity: 0.243279 gauss
To Convert a Magnetic Dir. to a TRUE North Dir. Add 8.035865 Degr

Transverse Mercator Grid Calculations NAD27

Grid System: Transverse Mercator: new mexico east
Ellipsoid: Clarke 1866
X: 599269.5000 feet
Y: 400121.9000 feet
True to Grid: (convergence) -0.170353 degrees
Magnetic to Grid: 7.865512 degrees
To Convert a Magnetic Dir. to a GRID dir. Add 7.865512 Degr.

S

OCD-ARTESIA

FEB 13 2009

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No. *NM 119755 JHL*
NM-100555 *JHL*6. If Indian, Allottee or Tribe Name
-----1a. Type of work: ☒ DRILL☐ REENTER7. If Unit or CA Agreement, Name and No.
-----1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other☒ Single Zone ☐ Multiple Zone8. Lease Name and Well No. ☒
COOPER "29" FEDERAL # 1H2. Name of Operator
OGX RESOURCES, LLC. (JEFF BIRKELBACH 432-685-1287)9. API Well No.
*30-015-36932*3a. Address P. O. BOX 2064
MIDLAND, TEXAS 797023b. Phone No. (include area code)
432-685-128710. Field and Pool, or Exploratory
ROCK SPUR-BONE SPRING4. Location of Well (Report location clearly, and in accordance with any State requirements*)
At surface *2380'* FSL & *560'* FWL SECTION 29 T25S-R29E EDDY CO.
At proposed prod. zone *Bwy* 1980' FSL & 350' FEL SEC. 29 T25S-R29E11. Sec., T. R. M. or Blk. and Survey or Area
SECTION 29 T25S-R29E14. Distance in miles and direction from nearest town or post office*
Approximately 11 miles Southeast of Malaga New Mexico12. County or Parish
EDDY CO.13. State
NM15. Distance from proposed*
location to nearest
property or lease line, ft
(Also to nearest drig. unit line, if any) 330'16. No. of acres in lease
16017. Spacing Unit dedicated to this well
16018. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft NA19. Proposed Depth
MR-~~11907~~ 12122
TVD-7922 808020. BLM/BIA Bond No. on file
NMB_00024421. Elevations (Show whether DF, KDB, RT, GL, etc.)
2937' GL22. Approximate date work will start*
WHEN APPROVED23. Estimated duration
38 Days

24. Attachments

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

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Joe T. Janica

Name (Printed/Typed)

Joe T. Janica

Date

12/24/08

Title

Permit Eng.

Approved by (Signature)

/s/ Don Peterson

Name (Printed/Typed)

/s/ Don Peterson

Date

FEB 11 2009

Title

FIELD MANAGER

Office

CARLSBAD FIELD OFFICE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

APPROVAL FOR TWO YEARS

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on page 2)

Carlsbad Controlled Water Basin

SEE ATTACHED FOR
CONDITIONS OF APPROVALApproval Subject to General Requirements
& Special Stipulations Attached

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

294

UM 18 NO. 1024-013
Expires: March 31, 2007

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 OGX RESOURCES, LLC. (JEFF BIRKELBACH)
3a. Address P. O. BOX 2064
MIDLAND, TEXAS 79702
3b. Phone No. (include area code)
432-685-1287
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2230' FSL & 560' FWL SECTION 29 T25S-R29E EDDY CO. NM

5. Lease Serial No.
NM-100555
6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
COOPER "29" FEDERAL # 1H
9. API Well No.
30-015-36932
10. Field and Pool, or Exploratory Area
ROCK SPUR-BONE SPRING
11. County or Parish, State
EDDY CO. NEW MEXICO

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☒ 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 site is ready for final inspection.)

- OGX RESOURCES, LLC requests the approval to move the location of their COOPER "29" FEDERAL # 1H FROM 1980' FSL & 660' FWL SECTION 29 T25S-R29E EDDY CO. NM TO 2230' FSL & 560' FWL SECTION 29 T25S-R29E EDDY CO. NM
- The reason for this move is to comply with the request by The Bureau of Land Management.
- This well will be drilled with a closed mud system.

*ENGR. Reviewed
Directional Plan
Incorrect -
Replaced
Rec'd: in ADD
WWW
2/19/09*

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

Joe T. Janica

Title Permit Eng.

Signature

Date 01/08/09

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

/s/ Don Peterson

Title

FIELD MANAGER

Date

FEB 11 2009

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

CARLSBAD FIELD OFFICE

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

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

DISTRICT II
1000 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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-36932	Pool Code 52775	Pool Name ROCK SPUR-BONE SPRING
Property Code 37590	Property Name COOPER "29" FEDERAL	Well Number 1H
OGRID No. 217955	Operator Name OGX RESOURCES	Elevation 2932'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	29	25-S	29-E		2230	SOUTH	560	WEST	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
I	29	25-S	29-E		1980	SOUTH	350	EAST	EDDY
Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

GEODETIC COORDINATES
NAD 27 NME
SURFACE LOCATION
Y=400121.9 N
X=599269.5 E

LAT.=32.099645°N
LONG.=104.012757°W

BOTTOM HOLE LOCATION
Y=399851.1 N
X=603664.6 E

OPERATOR CERTIFICATION

I hereby certify that the information 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 or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the Division.

Signature: *Joe T. Janica*
Date: 01/08/09
Printed Name: Joe T. Janica

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.

Date Surveyed: JANUARY 05, 2009
Signature & Seal of Professional Surveyor: *Ronald J. Edson*
Certificate No. GARY EIDSON 12641
RONALD J. EDSON 3239

EXHIBIT "A"