

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87246
District II
1301 W. Grand Ave., 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

Form C-103
May 27, 2004

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

WELL API NO. 30-015-35667
5. Indicate Type of Lease STATE ☐ FEE ☒
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: Yangtze C 3 Fee
8. Well Number 1H
9. OGRID Number 7377
10. Pool name or Wildcat Cottonwood Creek; Wolfcamp (Gas)

Pit or Below-grade Tank Application ☐ or Closure ☐
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other _____	2. Name of Operator EOG Resources Inc.	3. Address of Operator P.O. Box 2267 Midland, Texas 79702
4. Well Location Unit Letter I : 2450 feet from the South line and 225 feet from the East line Section 3 Township 16S Range 25E NMPM County Eddy	5. Elevation (Show whether DR, RKB, RT, GR, etc.) 3440' GR	6. Nature of Notice, Report, or Other Data

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:		
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPLETION ☐	CASING TEST AND CEMENT JOB ☐	
OTHER: ☐	OTHER: completion ☒		

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

7/31/07 TD @ 8995' MD.

8/01/07 Ran 212 jts 5 1/2", 17 #, N-80, casing set @ 8974'.

Cemented w/ 630 sx 50/50 POZ C, 11.9 ppg, 2.34 yield; 745 sx 50/50 POZ C, 14.2 ppg, 1.37 yield.
Circulated 243 sx to surface. Released rig.

8/07/07 MIRU for completion.

Step rate tested 5 1/2" casing to 7000 psi for 30 min. Test good.

Perforated from 8170' to 8875', 0.42", 32 holes.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Stan Wagner TITLE Regulatory Analyst DATE 8/13/07

Type or print name Stan Wagner

E-mail address:

Telephone No. 432 686 3689

For State Use Only

APPROVED BY _____ TITLE _____ DATE _____

Conditions of Approval, if any:

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OIL CONSERVATION DIVISION
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3. Address of Operator P.O. Box 2267 Midland, Texas 79702		7. Lease Name or Unit Agreement Name: Yangtze C 3 Fee
4. Well Location Unit Letter I : 2450 feet from the South line and 225 feet from the East line Section 3 Township 16S Range 25E NMPM County Eddy		8. Well Number 1H
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3440' GR		9. OGRID Number 7377
Pit or Below-grade Tank Application ☐ or Closure ☐ Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____ Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____		

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NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐ TEMPORARILY ABANDON ☐ CHANGE PLANS ☐ PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐ OTHER: ☐	SUBSEQUENT REPORT OF: REMEDIAL WORK ☐ ALTERING CASING ☐ COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐ CASING TEST AND CEMENT JOB ☐ OTHER: completion ☒

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

8/07/07 Frac w/ 72 bbls 15% HCL, 565 bbls XL gel, 55804 lbs 100 Mesh sand, 79246 lbs 30/50 sd, 28331 lbs 20/40 sd, 6802 bbls load water.
Perforated from 7230' - 7935', 0.42", 32 holes.
Frac w/ 72 bbls 15% HCL, 565 bbls XL gel, 52839 lbs 100 Mesh sand, 75364 lbs 30/50 sd, 30359 lbs 20/40 sd, 5693 bbls load water.
8/08/07 Perforated from 6290' to 6995', 0.42", 32 holes.
Frac w/ 72 bbls 15% HCL, 565 bbls XL gel, 58473 lbs 100 Mesh sand, 79479 lbs 30/50 sd, 29970 lbs 20/40 sd, 5679 bbls load water.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOC guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Stan Wagner TITLE Regulatory Analyst DATE 8/13/07

Type or print name Stan Wagner E-mail address: _____ Telephone No. 432 686 3689

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8/08/07 Perforated from 5375' to 6055', 0.42", 32 holes.
Frac w/ 72 bbls 15% HCL, 565 bbls XL gel, 55630 lbs 100 Mesh sand, 59523 lbs 30/50 sd,
46556 lbs 20/40 sd, 5299 bbls load water.
Flow back.
8/10/07 RIH w/ 2 3/8" production tubing set @ 5549'.
8/11/07 Turned to sales.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Stan Wagner TITLE Regulatory Analyst DATE 8/13/07

Type or print name **Stan Wagner**

E-mail address:

Telephone No. **432 686 3689**

For State Use Only

APPROVED BY _____ TITLE _____ DATE _____

Conditions of Approval, if any:



DIRECTIONAL SURVEY REPORT

EOG RESOURCES

YANGTZE C3 FEE #1H

EDDY COUNTY, NEW MEXICO

PREPARED BY: CODY MEBANE

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) WESLEY TEETER
3. POSITION OF SAID PERSON(S): (A-F) SURVEYORS (FIELD ENGINEERS)
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 7/25/07 TO 8/1/07
5. STATE IN WHICH SURVEY WAS PERFORMED: NEW MEXICO
6. LOCATION OF WELL: EDDY COUNTY
7. TYPE OF SURVEY(S) PERFORMED: MWD
8. COMPLETE IDENTIFICATION OF WELL:

EOG RESOURCES
YANGTZE C3 FEE #1H
EDDY COUNTY, NM
RIG: MCVAY #8

9. SURVEY CERTIFIED FROM: 3947 TO 8935 FEET MEASURED DEPTH.

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 4358.92 FEET ON A BEARING OF 261.31 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT A PROJECTED BIT DEPTH OF 8995 FEET, ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.



CODY MEBANE
M/LWD SERVICE COORDINATOR

PathFinder Energy Services, Inc.

BHL Report

Page 01/01
Tie-in Date: 07/25/2007
Date Completed: 08/01/2007

EOG RESOURCES
YANGTZE C3 FEE #1H
EDDY COUNTY, NEW MEXICO
Rig:MCVAY 8
PathFinder Office Supervisor: CODY MEBANE
PathFinder Field Engineers:W TEETER
C HARPER

Survey Horiz. Reference:WELLHEAD
Ref Coordinates: LAT:32.57.5.4540 N LON:104.27.52.8624 W
GRID Reference:NAD27 new mexico east Transverse Mercator
Ref GRID Coord: X: 459708.0586 Y: 709898.4182
North Aligned To:GRID NORTH
Total Magnetic Correction: 8.58° EAST TO GRID
Vertical Section Plane: 262.88
Survey Vert. Reference: 19.66' Kelly Bushing To Ground
Altitude:3440.00' Ground To MSL

Measured Depth	8995.00	(feet)
Inclination	91.28	(deg)
Azimuth	272.67	(deg)
True Vertical Depth	4760.55	(feet)
Vertical Section	4357.28	(feet)
Survey X cord	455399.35	(feet)
Survey Y cord	709239.68	(feet)
Survey Lat	32.94968879 N	(deg)
Survey Lon	104.47872726 W	(deg)
Rectangular Corr. N/S	658.72 S	(feet)
Rectangular Corr. E/W	4308.86 W	(feet)
Closure Distance	4358.92	(feet)
Direction of Closure	261.31	(deg)
Dogleg Severity	0.00	(deg/100ft)

PathFinder Energy Services, Inc.

Survey Report

EOG RESOURCES

YANGTZE C3 FEE #1H

EDDY COUNTY, NEW MEXICO

Rig: MCVAY 8

PathFinder Office Supervisor: CODY MEBANE

PathFinder Field Engineers: W TEETER

C HARPER

Survey Horiz. Reference: WELLHEAD

Ref Coordinates: LAT: 32.57.5.4540 N LON: 104.27.52.8624 W

Reference: NAD27 new mexico east Transverse Mercator

Ref GRID Coord: X: 459708.0586 Y: 709898.4182

North Aligned To: GRID NORTH

Total Magnetic Correction: 8.58° EAST TO GRID

Vertical Section Plane: 262.88

Survey Vert. Reference: 19.66' Kelly Bushing To Ground

Altitude: 3440.00' Ground To MSL

Survey Calculations by RX5 V5.10B using Minimum Curvature

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Retangular (ft)	Offsets (ft)	Closure Dist (ft)	Dir (deg)	DLS (dg/100ft)
TIE IN TO SCIENTIFIC GYRO @ 3900' MD.										
3900.00	1.21	77.89	3899.81	0.00	0.25	15.25 N	2.16 W	15.40@	351.94	0.00
THE FOLLOWING ARE PATHFINDER MWD SURVEYS.										
3947.00	1.06	165.11	3946.80	47.00	-0.30	14.94 N	1.56 W	15.02@	354.02	3.33
3979.00	3.87	204.05	3978.77	32.00	0.22	13.66 N	1.93 W	13.80@	351.97	9.75
4011.00	7.74	213.45	4010.60	32.00	2.18	10.88 N	3.56 W	11.45@	341.90	12.41
4043.00	9.67	204.93	4042.23	32.00	5.01	6.64 N	5.88 W	8.87@	318.51	7.25
4075.00	13.01	209.50	4073.61	32.00	8.58	1.07 N	8.78 W	8.85@	276.94	10.79
4106.00	16.00	208.18	4103.61	31.00	13.14	5.73 S	12.52 W	13.77@	245.39	9.70
4138.00	18.91	209.41	4134.14	32.00	18.77	14.14 S	17.15 W	22.23@	230.50	9.17
4170.00	21.98	210.99	4164.12	32.00	25.56	23.79 S	22.78 W	32.94@	223.76	9.75
4202.00	24.18	209.50	4193.56	32.00	33.16	34.63 S	29.09 W	45.23@	220.03	7.11
4234.00	26.38	208.27	4222.49	32.00	41.19	46.60 S	35.69 W	58.70@	217.45	7.07
4266.00	28.75	208.09	4250.85	32.00	49.75	59.65 S	42.68 W	73.35@	215.58	7.41
4298.00	30.16	210.46	4278.72	32.00	59.09	73.37 S	50.38 W	89.00@	214.48	5.72
4330.00	32.18	213.28	4306.10	32.00	69.51	87.43 S	59.13 W	105.55@	214.07	7.79
4361.00	33.94	213.89	4332.08	31.00	80.54	101.52 S	68.49 W	122.46@	214.01	5.78
4393.00	35.61	213.45	4358.36	32.00	92.47	116.71 S	78.61 W	140.71@	213.96	5.28
4425.00	36.84	214.77	4384.17	32.00	104.93	132.36 S	89.22 W	159.62@	213.98	4.55
4457.00	37.81	216.97	4409.62	32.00	118.17	148.08 S	100.59 W	179.01@	214.19	5.15
4489.00	39.04	218.73	4434.69	32.00	132.22	163.78 S	112.79 W	198.86@	214.55	5.14
4521.00	40.54	219.96	4459.28	32.00	147.07	179.62 S	125.78 W	219.28@	215.00	5.28
4552.00	42.30	220.57	4482.52	31.00	162.16	195.26 S	139.03 W	239.70@	215.45	5.82
4584.00	43.88	221.54	4505.89	32.00	178.45	211.74 S	153.39 W	261.47@	215.92	5.36

PathFinder Energy Services, Inc.

Survey Report

EOG RESOURCES
YANGTZE C3 FEE #1H
EDDY COUNTY, NEW MEXICO
RIG:MCVAY 8

Page 02/04

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Retangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
4616.00	45.37	221.45	4528.67	32.00	195.32	228.58 S	168.28 W	283.85@	216.36	4.68
4648.00	45.20	224.26	4551.18	32.00	212.73	245.25 S	183.75 W	306.45@	216.84	6.26
4680.00	46.43	226.02	4573.49	32.00	230.87	261.43 S	200.01 W	329.17@	217.42	5.51
4712.00	47.84	226.99	4595.26	32.00	249.76	277.57 S	217.03 W	352.35@	218.02	4.94
4744.00	50.21	226.99	4616.24	32.00	269.33	294.05 S	234.69 W	376.23@	218.59	7.41
4775.00	52.58	225.85	4635.58	31.00	288.81	310.75 S	252.24 W	400.24@	219.07	8.17
4807.00	54.61	224.88	4654.57	32.00	309.24	328.85 S	270.56 W	425.85@	219.45	6.80
4839.00	56.28	227.52	4672.72	32.00	330.37	347.08 S	289.58 W	452.02@	219.84	8.57
4871.00	58.04	231.21	4690.08	32.00	352.79	364.58 S	309.99 W	478.55@	220.37	11.14
4903.00	59.53	231.29	4706.66	32.00	376.09	381.71 S	331.33 W	505.45@	220.96	4.66
4935.00	60.67	231.03	4722.61	32.00	399.68	399.10 S	352.94 W	532.78@	221.49	3.64
4966.00	62.87	230.68	4737.28	31.00	422.84	416.35 S	374.12 W	559.74@	221.94	7.16
4998.00	64.46	231.12	4751.47	32.00	447.16	434.43 S	396.37 W	588.09@	222.38	5.10
5030.00	66.21	232.26	4764.82	32.00	472.04	452.46 S	419.19 W	616.80@	222.81	6.38
5062.00	67.62	232.35	4777.37	32.00	497.39	470.46 S	442.49 W	645.85@	223.25	4.40
5094.00	68.85	232.26	4789.24	32.00	522.97	488.63 S	466.00 W	675.21@	223.64	3.86
5126.00	70.61	232.26	4800.32	32.00	548.81	507.00 S	489.74 W	704.91@	224.01	5.50
5157.00	73.34	232.09	4809.91	31.00	574.15	525.08 S	513.02 W	734.10@	224.33	8.81
5189.00	75.36	234.20	4818.55	32.00	600.90	543.55 S	537.68 W	764.56@	224.69	8.97
5221.00	76.33	237.10	4826.37	32.00	628.49	561.06 S	563.29 W	795.04@	225.11	9.30
5253.00	77.82	239.91	4833.53	32.00	656.90	577.35 S	589.88 W	825.40@	225.62	9.74
5285.00	78.98	242.46	4839.97	32.00	686.02	592.45 S	617.35 W	855.64@	226.18	8.61
5317.00	79.93	245.36	4845.82	32.00	715.77	606.29 S	645.60 W	885.65@	226.80	9.39
5348.00	81.51	247.29	4850.82	31.00	745.09	618.57 S	673.61 W	914.54@	227.44	7.98
5380.00	82.92	250.28	4855.16	32.00	775.84	630.04 S	703.17 W	944.14@	228.14	10.25
5412.00	84.06	253.35	4858.79	32.00	807.04	639.96 S	733.37 W	973.33@	228.89	10.18
5443.00	85.30	256.43	4861.66	31.00	837.60	648.00 S	763.16 W	1001.16@	229.67	10.67

PathFinder Energy Services, Inc.

Survey Report

EOG RESOURCES
 YANGTZE C3 FEE #1H
 EDDY COUNTY, NEW MEXICO
 RIG:MCVAY 8

Page 03/04

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Retangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
5475.00	87.41	259.24	4863.70	32.00	869.40	654.73 S	794.38 W	1029.42@	230.50	10.97
5507.00	88.02	262.32	4864.98	32.00	901.35	659.85 S	825.94 W	1057.15@	231.38	9.80
5539.00	90.48	264.43	4865.40	32.00	933.35	663.54 S	857.71 W	1084.42@	232.27	10.13
5571.00	91.63	265.22	4864.81	32.00	965.32	666.43 S	889.58 W	1111.52@	233.16	4.34
5602.00	92.15	266.80	4863.78	31.00	996.26	668.58 S	920.48 W	1137.67@	234.01	5.38
5634.00	93.03	268.82	4862.34	32.00	1028.10	669.80 S	952.43 W	1164.37@	234.88	6.88
5665.00	93.12	268.82	4860.67	31.00	1058.89	670.44 S	983.38 W	1190.17@	235.71	0.28
5729.00	93.83	269.09	4856.79	64.00	1122.42	671.60 S	1047.25 W	1244.09@	237.33	1.18
5824.00	93.83	269.61	4850.45	95.00	1216.60	672.68 S	1142.03 W	1325.41@	239.50	0.55
5920.00	93.30	268.56	4844.48	96.00	1311.85	674.21 S	1237.83 W	1409.53@	241.42	1.22
6015.00	93.83	268.38	4838.57	95.00	1406.21	676.74 S	1332.61 W	1494.60@	243.08	0.59
6111.00	91.89	267.77	4833.78	96.00	1501.70	679.96 S	1428.43 W	1582.01@	244.54	2.12
6207.00	91.19	270.32	4831.20	96.00	1597.10	681.56 S	1524.38 W	1669.80@	245.91	2.75
6303.00	92.15	271.11	4828.40	96.00	1692.16	680.37 S	1620.33 W	1757.37@	247.22	1.30
6399.00	91.28	271.05	4825.53	96.00	1787.14	678.56 S	1716.26 W	1845.54@	248.43	0.92
6493.00	89.87	270.45	4824.59	94.00	1880.24	677.32 S	1810.25 W	1932.81@	249.49	1.63
6590.00	90.31	273.30	4824.44	97.00	1976.04	674.15 S	1907.19 W	2022.83@	250.53	2.97
6686.00	90.04	274.55	4824.15	96.00	2070.26	667.58 S	2002.96 W	2111.28@	251.57	1.33
6780.00	90.92	274.25	4823.36	94.00	2162.36	660.36 S	2096.68 W	2198.21@	252.52	0.99
6877.00	90.92	273.21	4821.80	97.00	2257.61	654.05 S	2193.46 W	2288.90@	253.40	1.07
6973.00	91.98	272.03	4819.37	96.00	2352.19	649.67 S	2289.32 W	2379.72@	254.16	1.65
7067.00	90.04	268.05	4817.71	94.00	2445.42	649.60 S	2383.29 W	2470.23@	254.75	4.71
7164.00	90.75	268.02	4817.04	97.00	2542.03	652.93 S	2480.23 W	2564.73@	255.25	0.73
7260.00	89.52	266.80	4816.82	96.00	2637.72	657.26 S	2576.12 W	2658.65@	255.69	1.80
7356.00	89.43	268.46	4817.70	96.00	2733.39	661.23 S	2672.03 W	2752.63@	256.10	1.73
7452.00	90.84	269.59	4817.47	96.00	2828.83	662.87 S	2768.02 W	2846.28@	256.53	1.88
7548.00	91.28	270.37	4815.71	96.00	2924.08	662.90 S	2864.00 W	2939.71@	256.97	0.93

PathFinder Energy Services, Inc.

Survey Report

EOG RESOURCES
 YANGTZE C3 FEE #1H
 EDDY COUNTY, NEW MEXICO
 RIG:MCVAY 8

Page 04/04

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Retangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)
7645.00	91.98	269.90	4812.95	97.00	3020.26	662.67 S	2960.96 W	3034.21@	257.38	0.87
7741.00	92.33	269.50	4809.34	96.00	3115.52	663.17 S	3056.89 W	3128.00@	257.76	0.56
7837.00	89.50	265.77	4807.81	96.00	3211.15	667.13 S	3152.77 W	3222.58@	258.05	4.88
7933.00	90.67	267.87	4807.67	96.00	3306.91	672.45 S	3248.61 W	3317.48@	258.31	2.51
8029.00	91.10	268.13	4806.19	96.00	3402.52	675.80 S	3344.54 W	3412.14@	258.58	0.52
8125.00	92.15	267.97	4803.46	96.00	3498.09	679.06 S	3440.45 W	3506.82@	258.83	1.11
8220.00	92.42	271.17	4799.67	95.00	3592.35	679.78 S	3535.36 W	3600.12@	259.12	3.38
8316.00	93.65	271.27	4794.59	96.00	3687.20	677.73 S	3631.20 W	3693.90@	259.43	1.29
8412.00	94.00	270.57	4788.19	96.00	3782.05	676.20 S	3726.97 W	3787.82@	259.72	0.81
8509.00	94.00	270.09	4781.42	97.00	3877.99	675.64 S	3823.73 W	3882.97@	259.98	0.49
8605.00	93.74	271.45	4774.94	96.00	3972.86	674.36 S	3919.50 W	3977.09@	260.24	1.44
8700.00	93.39	271.86	4769.04	95.00	4066.57	671.62 S	4014.28 W	4070.08@	260.50	0.57
8794.00	91.45	272.67	4765.08	94.00	4159.22	667.90 S	4108.12 W	4162.06@	260.77	2.23
8892.00	91.19	272.52	4762.82	98.00	4255.79	663.46 S	4205.99 W	4258.00@	261.04	0.31
8935.00	91.28	272.67	4761.90	43.00	4298.17	661.51 S	4248.94 W	4300.12@	261.15	0.41
STRAIGHT LINE PROJECTION TO BIT @ 8995' MD.										
8995.00	91.28	272.67	4760.55	60.00	4357.28	658.72 S	4308.86 W	4358.92@	261.31	0.00



TIE-IN SURVEY INFORMATION SHEET

CLIENT INFORMATION

CLIENT:	EOG RESOURCES		
LEASE / WELL No.:	YANGTZE C3 FEE #1H		
WELL LOCATION:	EDDY CO. NM		
COUNTY / STATE / COUNTRY:	EDDY	NM	USA
RIG:	MCVAY 8		
API WELL No:	30-015-35667		
JOB No:	101006609 WT - WT		
P.O. / AFE No.	103686		
DIRECTIONAL COMPANY:	PATHFINDER ENERGY SERVICES		

WELL SITE INFORMATION

MAGNETIC DECLINATION:			
On Wall Plat:	6.576623	LWD Calculated:	8.546623
		Agreed Upon:	8.58
X =	459708.212000	Feet	Y = 709898.418000
			Feet
SITE LATITUDE:	32.951515 N	SITE LONGITUDE:	104.464684 W
GRID SYSTEM:	TRUE ☐ UTM ☒	LAMBERT ☐	ZONE: NEW MEXICO EAST
PROPOSED DRIFT DIRECTION:	262.88		
KELLY BUSHING ELEVATION:	19.66		
ALTITUDE:	3440	Feet	WATER DEPTH:
			Feet

TIE-IN SURVEY

MEASURED DEPTH:	3900		
DRIFT ANGLE:	1.21		
DRIFT DIRECTION:	77.89		
TRUE VERTICAL DEPTH:	3899.81		
VERTICAL SECTION:	0.25		
RECTANGULAR COORDINATE (N / S):	15.25		
RECTANGULAR COORDINATE (E / W):	-2.16		
CLOSURE DISTANCE / DIRECTION:	15.4	351.94	
SURVEY CALCULATION METHOD:	AA ☐	MC ☒	RC ☐ BT ☐
SOURCE OF TIE-IN DATA (COMPANY):	SCIENTIFIC		
COPY OF TIE-IN SURVEY REPORT	☐ YES ☒ NO		

WELL PLAN

KICKOFF DEPTH:	3950'	TOTAL DEPTH:	9121
KICKOFF ANGLE:	6.57	MAX ANGLE:	92

PES Engineers: _____

**Signature of both field engineers required if applicable

Directional Driller: _____

DATE: _____

Yangtze C 3 Fee #1H Gyro
 0 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 0
 0 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 0

KEEPER GYRO SURVEY
 Directional Survey Report

for
 UAAA
 3 E.O.G. 3
 3
 AA

Well Number : YANGTZE C4 FEE NO.1
 Well Location : EDDY COUNTY, TEXAS
 Job Number : 32K070762
 Location Latitude : 32.952
 Survey Date : 24-JUL-2007
 S.D.C. Personnel : ANGEL GUEBARA
 Length Units : Feet
 North Reference : GRID North
 Grid Correction : 0.07 Degrees
 Survey Depth Zero : RKB
 Proposal Direction : 262.88
 Calculation Method : Minimum Curvature

Remarks : The INRUN Survey will be called definitive

0 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 0
 0 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 0

Inrun Survey
 for
 E.O.G.

Page 1

Well No.: YANGTZE C4 FEE NO.1 Date : 24-JUL-2007
 Job No. : 32K070762 GRID Proposal : 262.88
 Depth T.V.D. V.S. Inc Azimuth Latitude Departure D-leg
 (Feet) (Feet) (Feet) Deg. Deg. (Feet) (Feet) /100

0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00
100.00	100.00	-0.27	0.41	123.80	-0.20	0.30	0.41
200.00	199.99	-1.17	0.72	86.62	-0.36	1.22	0.46
300.00	299.98	-2.64	1.03	62.37	0.09	2.65	0.48
400.00	399.96	-4.53	1.36	55.32	1.19	4.42	0.36

		Yangtze C 3		Fee #1H	Gyro		
500.00	499.94	-6.23	0.91	47.95	2.39	5.98	0.47
600.00	599.93	-7.34	0.75	37.26	3.44	6.97	0.22
700.00	699.92	-7.95	0.25	34.77	4.14	7.49	0.50
800.00	799.92	-8.31	0.31	48.77	4.50	7.82	0.09
900.00	899.92	-8.54	0.01	350.06	4.69	8.02	0.30
1000.00	999.92	-8.49	0.06	273.46	4.70	7.97	0.06
1100.00	1099.92	-8.46	0.12	6.35	4.81	7.92	0.14
1200.00	1199.92	-8.67	0.34	31.59	5.17	8.09	0.24
1300.00	1299.92	-8.93	0.38	5.75	5.75	8.28	0.17
1400.00	1399.91	-8.91	0.59	342.61	6.57	8.16	0.28
1500.00	1499.91	-8.45	0.91	325.15	7.71	7.55	0.39
1600.00	1599.89	-7.76	0.74	323.13	8.88	6.71	0.17
1700.00	1699.89	-7.30	0.64	338.21	9.91	6.12	0.21
1800.00	1799.88	-6.92	0.69	329.60	10.95	5.60	0.11
1900.00	1899.87	-6.25	0.71	309.51	11.87	4.82	0.24
2000.00	1999.87	-5.33	0.63	288.34	12.43	3.82	0.26
2100.00	2099.86	-4.34	0.63	289.10	12.79	2.78	0.01
2200.00	2199.86	-3.42	0.52	282.59	13.07	1.82	0.13
2300.00	2299.85	-2.48	0.59	260.45	13.08	0.87	0.22
2400.00	2399.85	-1.53	0.51	272.55	13.01	-0.09	0.14
2500.00	2499.84	-0.72	0.43	270.00	13.03	-0.91	0.08
2600.00	2599.84	0.06	0.49	280.65	13.11	-1.70	0.10
2700.00	2699.84	0.70	0.32	298.29	13.32	-2.37	0.21
2800.00	2799.84	1.21	0.34	278.43	13.50	-2.91	0.12
2900.00	2899.83	1.86	0.42	263.75	13.50	-3.56	0.13
3000.00	2999.83	2.47	0.29	282.32	13.52	-4.17	0.17
3100.00	3099.83	2.96	0.31	283.25	13.63	-4.69	0.02
3200.00	3199.83	3.40	0.21	265.47	13.68	-5.13	0.13
3300.00	3299.83	3.75	0.22	293.32	13.74	-5.49	0.10
3400.00	3399.83	3.92	0.09	346.06	13.89	-5.69	0.18
3500.00	3499.83	3.79	0.17	57.86	14.05	-5.58	0.17
3600.00	3599.83	3.48	0.23	59.04	14.23	-5.28	0.06
3700.00	3699.82	2.89	0.47	71.38	14.47	-4.72	0.25
3800.00	3799.82	1.90	0.70	69.25	14.81	-3.76	0.23
3900.00	3899.80	0.25	1.21	77.89	15.25	-2.16	0.53
4000.00	3999.79	-1.66	0.98	81.61	15.60	-0.28	0.24
4100.00	4099.77	-3.40	1.02	80.47	15.87	1.45	0.04
4200.00	4199.75	-5.29	1.16	90.44	16.01	3.33	0.24
4300.00	4299.72	-7.85	1.81	93.73	15.90	5.92	0.66
4400.00	4399.64	-11.65	2.59	86.15	15.95	9.75	0.83
4500.00	4499.54	-16.29	2.73	86.60	16.24	14.38	0.14
4600.00	4599.43	-20.92	2.61	91.18	16.34	19.04	0.24
4700.00	4699.32	-25.42	2.60	89.85	16.29	23.58	0.06
4800.00	4799.24	-29.47	2.08	89.86	16.30	27.67	0.52
4900.00	4899.18	-32.90	1.88	89.48	16.32	31.12	0.20
5000.00	4999.14	-35.68	1.31	83.28	16.47	33.90	0.59



MAGNETIC DECLINATION / TOOLFACE OFFSET WORKSHEET

Client:	EOG RESOURCES	LWD Run No:	1
Well:	YANGTZE C3 FEE #1H	DTA No:	
Location:	EDDY CO. NM	HDAS No:	2064
Rig:	MCVAY 8	TrkrElec No:	
Job No:	101006609 WT - WT		

Magnetic Declination:

GRID SYSTEM USED: TRUE ☐ UTM ☒ LAMBERT ☐ ZONE: NEW MEXICO EAST
X = 459708.212 Y = 709898.418
SITE LATITUDE: 32.951515 N SITE LONGITUDE: 104.464684 W

Magnetic Declination:

On Wall Plat: 6.576623
LWD Calculated: 8.546623

Agreed Upon: 8.58

Directional Driller Approval:

LWD Engineers Approval:

Supervisor Approval:

ToolFace Offset Calculation:

- 1: Ensure all connections between M/LWD are torqued correctly.
- 2: Estimate toolface offset.
- 3: Measure the distance from the M/LWD scribe line to the motor scribe line in a clockwise direction looking down hole.
- 4: Measure the circumference of the tool.
- 5: Calculate Tool Face Offset using.

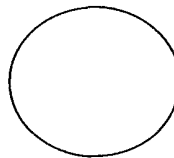
$$\text{TOOL FACE OFFSET} = \frac{\text{Distance from M/LWD to Motor}}{\text{Circumference}} \times 360^\circ$$

ToolFace Offset Using Protractor:

- 1: Hook protractor onto the M/LWD tool.
- 2: Read Tool Face Offset from top of protractor where the motor scribe line intersects protractor.
- 3: If motor scribe line does not intersect protractor flip protractor over and repeat steps 1 and 2.

Distance from M/LWD to Motor: 0

Circumference: 360



V- Door

OTF Estimate: 0

OTF Calculated: 0

OTF Protractor: 0

Offset Tool Face Used = 0

M/LWD Engineer #1:

M/LWD Engineer #2:

Directional Driller:

PathFinder Energy Services, Inc.

Magnetic & Grid Calculations

EOG RESOURCES, INC.
YANGTZE "C" 3 FEE.
EDDY Co., NM
Rig:McVAY 8

Mon Jul 16 14:30:07 2007

Coordinates

Latitude: 32.951515 N (32 deg. 57 min. 5.4540 sec.)
Longitude: 104.464684 W (-104 deg. 27 min. 52.8606 sec.)
Elevation: 3440.00 feet.
Calculation Date: Jul/16/2007

Magnetic Calculations

Model: IGRF2005
Dip Angle: 60.8057 degrees
Total Magnetic Field: 0.49364 gauss
Magnetic Declination: 8.505178 degrees
Horizontal Intensity: 0.240786 gauss
To Convert a Magnetic Dir. to a TRUE North Dir. Add 8.505178 Degs

Transverse Mercator Grid Calculations NAD27

Grid System: Transverse Mercator: new mexico east
Ellipsoid: Clarke 1866
X: 459708.2120 feet
Y: 709898.4180 feet
True to Grid: (convergence) 0.071445 degrees
Magnetic to Grid: 8.576623 degrees
To Convert a Magnetic Dir. to a GRID dir. Add 8.576623 Degs.

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 & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease- 4 Copies
Fee Lease- 3 Copies
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-35667	Pool Code 75250	Pool Name Cottonwood Creek; Wolfcamp (Gas)
Property Code 36223	Property Name YANGTZE "C" 3 FEE	Well Number 1H
OGRID No. 7377	Operator Name EOG RESOURCES, INC.	Elevation 3440'

Surface Location

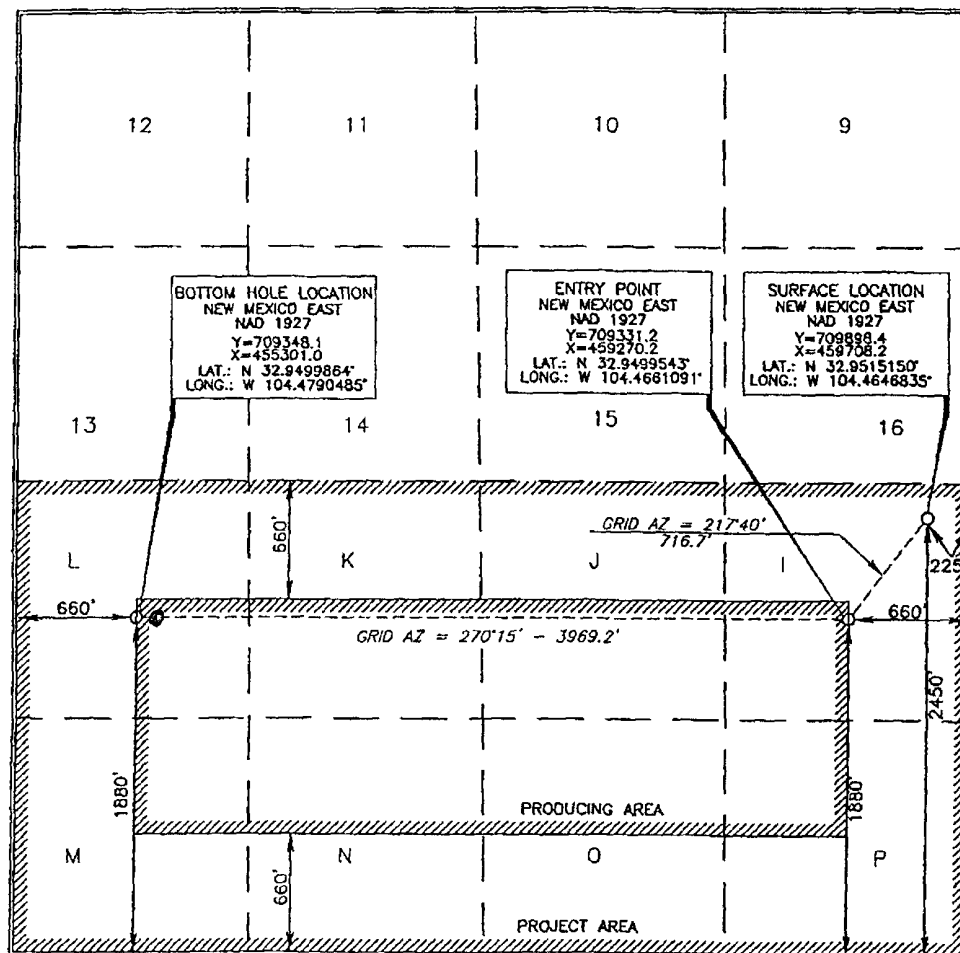
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	3	16 SOUTH	25 EAST, N.M.P.M.		2450'	SOUTH	225'	EAST	EDDY

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
L	3	16 SOUTH	25 EAST, N.M.P.M.		1790'	SOUTH	746'	WEST	EDDY

Dedicated Acres 320	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.



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 or has a right to drill this well at this 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.

Stan Wagner 8/21/07
Signature Date

Stan Wagner
Printed Name

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual survey made by me or under my supervision, and that the same is true and correct to the best of my belief.

15079
21, 2007
Date of Survey

Terry J. Carl
Signature of Professional Surveyor

15079
Certificate Number

WOP 070521WL-a (AL)