



March 5, 2007

HAND-DELIVERED

Mark E. Fesmire, P. E.
Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505



Re: Application of EOG Resources, Inc. for Administrative Approval of the Simultaneous Dedication of the S/2 of Section 4, Township 16 South, Range 25 East, N.M.P.M., Eddy County, New Mexico to its proposed Meramac C 4 Fee Well No. 1H and the existing Meramac C 4 Fee Well No. 2H.

Dear Mr. Fesmire:

EOG Resources, Inc. is the operator of a standard 320-acre spacing unit in the Cottonwood Creek-Wolfcamp West Gas Pool (**Pool Code 75260**) comprised of the S/2 of Section 4, Township 16 South, Range 25 East, N.M.P.M., Eddy County, New Mexico. This spacing unit is dedicated to EOG's Meramac C 4 Fee Well No. 2H which has been horizontally drilled and produces from the Wolfcamp formation.

EOG seeks administrative approval of the simultaneous dedication of this standard 320-acre gas spacing unit to the following two horizontal gas wells:

- A. the existing **Meramec C 4 Fee Well No. 2H (API No. 30-015-35161)** horizontally drilled from a surface location 760 feet from the South line and 200 feet from the East line to a proposed end point or bottomhole location 760 feet from the South line and 660 feet from the West line of said Section 4; and
- B. the proposed **Meramec C 4 Fee Well No. 1H (API No. 30-015 -35406)** to be horizontally drilled from a surface location 1880 feet from the South line and 660 feet from the East line to a proposed end point or bottomhole location 1880 feet from the South line and 660 feet from the West line of said Section 4.

Holland & Hart^{L.P.}

Phone [505] 988-4421 Fax [505] 983-6043 www.hollandhart.com

110 North Guadalupe Suite 1 Santa Fe, NM 87501 Mailing Address PO Box 2208 Santa Fe, NM 87504-2208

Aspen Billings Boise Boulder Cheyenne Colorado Springs Denver Denver Tech Center Jackson Hole Salt Lake City Santa Fe Washington, D.C. ♻

HOLLAND & HART^{LLP}



The wellbore directional survey of the Meramac C 4 Fee Well No. 2H shows the path of the wellbore within the Wolfcamp formation to be standard pursuant to Division Rules 104.C (2) (a) and 111.A (7). EOG now intends to horizontally drill and complete its proposed Meramac C 4 Fee Well No. 1H to be drilled to the targeted subsurface end-point or bottomhole location, 1880 feet from the South line and 660 feet from the West line (Unit L) of Section 4. EOG proposes to drill this well in compliance with the set-back requirements of Division Rules 104.C(2) 9b) and 111.A(7) for deep gas wells in southeast New Mexico.

Attached hereto as **Exhibit A** is a copy of Division Form C-102 for this well that shows the proposed surface and bottomhole location of the well. **Exhibit B** is EOG's Directional Survey for the 2H Well that confirms the projected wellbore deviation.

Exhibit C is a map of offset operators around the spacing unit in Section 4. **Exhibit D** is a list of affected parties as defined by Division Rules. As required by Rule 1210, a copy of this application (with attachments) has been sent to those affected parties in accordance with Rule 1207(A)(5) and they have been advised that if they have an objection to this application it must be filed in writing with the Division's Santa Fe office within twenty days from the date this notice was sent.

The simultaneous dedication of the S/2 of said Section 4 to the Meramac C 4 Fee Well Nos. 1H and 2H will afford EOG the opportunity to efficiently produce the Wolfcamp formation under this spacing unit. EOG's proposed simultaneous dedication of these wells does not exceed the number of wells allowed by Division Rule for this spacing unit.

Your attention to this application is appreciated.

Sincerely,

Ocean Munds-Dry
Attorney for EOG Resources, Inc.

Enclosures



March 5, 2007

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

AFFECTED INTEREST OWNERS

Re: Application of EOG Resources, Inc., for simultaneous dedication,
Eddy County, New Mexico.

Ladies and Gentlemen:

This letter is to advise you that EOG Resources, Inc. has filed the enclosed application with the New Mexico Oil Conservation Division seeking the simultaneous dedication of the proposed Meramac C 4 Fee Well No. 1H to be drilled from a surface location 1880 feet from the South line and 660 feet from the East line and a bottomhole location 1880 feet from the South line and 660 feet from the South line and the existing Meramac C 4 Fee Well No. 2H drilled from a surface location 760 feet from the South line and 200 feet from the East line and a bottomhole location 760 feet from the South line and 660 feet from the West line to the S/2 of Section 4, Township 16 South, Range 25 East, NMPM, Eddy County, New Mexico.

As an owner of an interest that may be affected by the proposed well, you may object to this application. Objections must be filed in writing within twenty days from this date at the Division's Santa Fe office that is located at 1220 South Saint Francis Drive, Santa Fe, New Mexico. 87505. If no objection is received within this twenty-day period, this application for an unorthodox well location may be approved.

Very truly yours,

Ocean Munds-Dry
Ocean Munds-Dry

ATTORNEY FOR EOG RESOURCES, INC.

Enclosures

Holland & Hart LLP

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Aspen Billings Boise Boulder Cheyenne Colorado Springs Denver Denver Tech Center Jackson Hole Salt Lake City Santa Fe Washington, D.C. ♻

Exhibit D
Application of EOG Resources, Inc.
Simultaneous Dedication of
S/2 of Section 4, Township 16 South, Range 25 East, NMPM
Eddy County, New Mexico

LCX Energy, LLC
101 N. Marenfeld Suite 200
Midland, Texas 79701

Capstone Oil & Gas Company
P.O. Box 10187
Midland, Texas 79702

Parallel Petroleum Corporation
P.O. Box 10587
Midland, Texas 79702

CMW Interests, Inc.
24 Smith Road, Suite 405
Midland, Texas 79705

Elger Exploration, Inc.
P.O. Box 2623
Midland, Texas 79702-2623

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 30-015-35406	Pool Code 75250	Pool Name Cottonwood Creek Wolfcamp (Gas)
Property Code	Property Name MERAMEC C "4" FEE	Well Number 1H
OCRD No. 7377	Operator Name EOG RESOURCES, INC.	Elevation 3469'

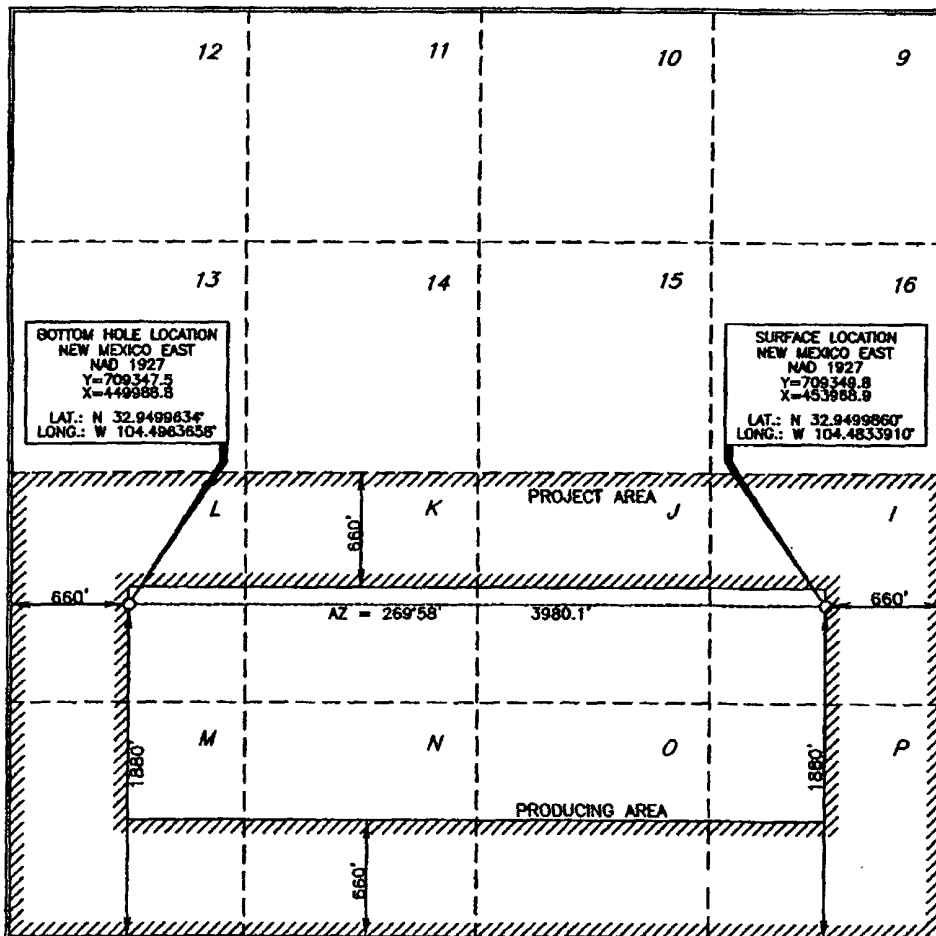
Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	4	16 SOUTH	25 EAST, N.M.P.M.		1880	SOUTH	660	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	4	16 SOUTH	25 EAST, N.M.P.M.		1880	SOUTH	660	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.

Don G. Glanton 1/26/07
Signature Date

Donny G. Glanton
Printed Name

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.

SEPTEMBER 19, 2006
Date of Survey

Terry J. Daniel 9/21/2006
Signature and Seal of Professional Surveyor

Certificate Number 15079

WOF 060919WLA (A)

EXHIBIT A

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.

15079

SEPTEMBER 18, 2006

Date of Survey

Signature and Seal of Professional Surveyor

Terry G. Carl 9/18/2006

Certificate Number 15079

WOF 060919WLB (LA)

Meramec C 4 Fee #2H Final Surveys.txt

~Version Information

VERS. 2.00: PATHFINDER ENERGY SERVICES LAS - Version 2.00
 WRAP. NO: One line per depth step

~Well Information

STRT.FT 4100.0000:
 STOP.FT 8809.4980:
 STEP.FT 0.0000:
 NULL. -999.25:
 COMP. EOG RESOURCES: COMPANY
 WELL. MERAMEC C4 FEE #2H: WELL
 FLD. THAMES: FLD
 SRVC. Pathfinder Energy Services: SERVICE COMPANY
 LOC. : LOCATION
 DATE. 23-Jan-07: LOG DATE
 UWI. 30-015-35161: API NUMBER
 APD .FT 14.00: ELEVATION ABOVE PERMANENT DATUM
 CNTY. EDDY: COUNTY
 CTRY. USA: COUNTRY
 DMF. KELLY BUSHINGS: DRILLING-LOG MEASURED FROM
 EPD .FT 3467.00: ELEVATION OF PERMANENT DATUM
 FL1. 760' FSL 660' FWL: WELL LOCATION 1
 FL2. X=454431.7 Y=708229.7: WELL LOCATION 2
 PDAM. GROUND LEVEL - MEAN SEA LEVEL: ELEVATION OF PERMANENT DATUM REF
 PDAT. GROUND LEVEL: PERMANENT DATUM
 RANG. 25 E: RANGE
 SECT. 4: SECTION
 STAT. NM: STATE
 TOWN. 16 S: TOWNSHIP

~Curve Information

DEPT.FT : MWD Tool Measurement Depth
 MTVD.FT : MWD Tool Measurement TVD
 INC .DEG : Inclination
 AZI .DEG : Azimuth
 SECT.FT : Section
 RCN .FT : Rectangular Co-ordinates North
 RCE .FT : Rectangular Co-ordinates East
 DLSEV.DG/HFT : Dog-leg Severity

DEPT FT	MTVD FT	INC DEG	AZI DEG	SECT FT	RCN FT	RCE FT	DLSEV DG/HFT
4100.00	4099.68	2.14	102.19	0.89	-19.47	-0.88	-999.25
4138.00	4137.66	1.41	121.59	-0.20	-19.86	0.21	2.46
4170.00	4169.65	2.99	238.75	0.18	-20.50	-0.17	12.01
4202.00	4201.53	6.68	253.42	2.68	-21.47	-2.66	12.07
4234.00	4233.18	10.11	259.31	7.22	-22.52	-7.21	11.04
4264.00	4262.54	13.63	264.24	13.33	-23.36	-13.32	12.20
4297.00	4294.34	17.32	270.48	22.11	-23.71	-22.10	12.25
4328.00	4323.63	20.84	273.99	32.23	-23.29	-32.22	11.94
4360.00	4353.15	24.53	271.88	44.55	-22.68	-44.54	11.81
4392.00	4381.84	28.05	268.54	58.72	-22.65	-58.71	11.93
4423.00	4408.70	31.83	265.73	74.16	-23.45	-74.15	13.00
4455.00	4435.40	35.00	265.99	91.74	-24.72	-91.73	9.92
4487.00	4461.23	37.37	266.26	110.59	-25.99	-110.57	7.42
4519.00	4486.21	40.01	266.87	130.55	-27.19	-130.54	8.34
4551.00	4510.25	42.56	267.49	151.64	-28.22	-151.63	8.07
4583.00	4533.14	46.08	268.10	173.98	-29.08	-173.96	11.08
4615.00	4554.76	48.89	268.63	197.55	-29.75	-197.54	8.87
4646.00	4574.64	51.35	269.95	221.34	-30.04	-221.32	8.58
4678.00	4594.32	52.76	270.83	246.57	-29.87	-246.56	4.91
4709.00	4612.66	54.69	271.44	271.56	-29.37	-271.54	6.42
4741.00	4630.77	56.37	272.06	297.92	-28.56	-297.91	5.49
4773.00	4647.93	58.74	272.15	324.91	-27.57	-324.89	7.41
4804.00	4663.53	60.85	271.36	351.69	-26.75	-351.67	7.15

Meramec C 4 Fee #2H Final Surveys.txt							
4835.00	4678.02	63.40	270.74	379.08	-26.25	-379.07	8.41
4867.00	4691.84	65.42	269.95	407.94	-26.08	-407.93	6.69
4899.00	4704.27	68.85	270.21	437.42	-26.04	-437.41	10.75
4930.00	4714.81	71.40	270.21	466.57	-25.93	-466.56	8.23
4961.00	4723.91	74.48	269.25	496.20	-26.07	-496.19	10.37
4991.00	4731.65	75.62	269.33	525.19	-26.43	-525.17	3.81
5022.00	4738.88	77.38	269.25	555.33	-26.80	-555.31	5.68
5053.00	4745.31	78.70	269.33	585.65	-27.18	-585.64	4.26
5084.00	4750.91	80.46	269.51	616.14	-27.49	-616.12	5.71
5115.00	4755.67	81.87	270.12	646.77	-27.59	-646.75	4.95
5146.00	4759.66	83.36	270.56	677.51	-27.40	-677.49	5.01
5177.00	4763.08	83.98	270.65	708.32	-27.08	-708.30	2.02
5207.00	4766.02	84.77	271.09	738.17	-26.63	-738.16	3.01
5238.00	4768.68	85.38	271.18	769.05	-26.01	-769.03	1.99
5270.00	4770.67	87.49	271.97	800.97	-25.14	-800.96	7.04
5301.00	4771.48	89.52	271.88	831.94	-24.09	-831.93	6.55
5394.00	4771.18	90.84	272.06	924.88	-20.90	-924.87	1.43
5486.00	4770.97	89.43	271.09	1016.84	-18.37	-1016.83	1.86
5578.00	4770.82	90.75	271.09	1108.82	-16.62	-1108.81	1.44
5640.00	4769.44	91.80	271.88	1170.78	-15.01	-1170.78	2.12
5731.00	4767.21	91.01	271.88	1261.71	-12.03	-1261.70	0.87
5824.00	4766.93	89.34	271.71	1354.65	-9.12	-1354.65	1.81
5887.00	4767.70	89.25	271.27	1417.63	-7.48	-1417.62	0.71
5950.00	4768.38	89.52	271.00	1480.61	-6.23	-1480.61	0.61
6046.00	4768.97	89.78	271.00	1576.59	-4.55	-1576.59	0.27
6142.00	4769.49	89.60	272.15	1672.55	-1.92	-1672.55	1.21
6237.00	4770.44	89.25	271.97	1767.48	1.50	-1767.49	0.41
6333.00	4771.99	88.90	271.88	1863.42	4.72	-1863.42	0.38
6428.00	4773.08	89.78	271.53	1958.37	7.55	-1958.37	1.00
6490.00	4771.75	92.68	272.85	2020.30	9.92	-2020.30	5.14
6553.00	4768.52	93.21	271.88	2083.16	12.51	-2083.16	1.75
6615.00	4765.76	91.89	271.27	2145.07	14.22	-2145.08	2.35
6709.00	4762.58	91.98	270.92	2239.00	16.01	-2239.01	0.38
6803.00	4760.13	91.01	269.86	2332.96	16.65	-2332.97	1.53
6897.00	4758.61	90.84	269.68	2426.95	16.27	-2426.96	0.26
6959.00	4758.14	90.04	269.07	2488.94	15.60	-2488.95	1.62
7052.00	4758.07	90.04	268.45	2581.92	13.58	-2581.93	0.67
7146.00	4756.92	91.36	269.07	2675.89	11.55	-2675.90	1.55
7240.00	4755.05	90.92	269.60	2769.87	10.46	-2769.87	0.73
7334.00	4753.32	91.19	268.98	2863.84	9.29	-2863.85	0.72
7428.00	4751.52	91.01	269.77	2957.82	8.27	-2957.82	0.86
7523.00	4750.39	90.35	270.21	3052.81	8.25	-3052.82	0.83
7616.00	4748.50	91.98	270.04	3145.79	8.46	-3145.79	1.76
7710.00	4744.97	92.33	269.42	3239.72	8.01	-3239.73	0.76
7804.00	4740.06	93.65	269.77	3333.59	7.35	-3333.59	1.45
7896.00	4734.77	92.95	269.51	3425.43	6.77	-3425.44	0.81
7992.00	4729.02	93.91	269.42	3521.26	5.88	-3521.26	1.00
8086.00	4722.97	93.47	269.51	3615.06	5.00	-3615.06	0.48
8178.00	4717.89	92.86	269.51	3706.91	4.22	-3706.92	0.66
8271.00	4712.82	93.39	269.77	3799.77	3.63	-3799.78	0.63
8365.00	4707.85	92.68	269.95	3893.64	3.40	-3893.65	0.78
8458.00	4704.07	91.98	270.21	3986.56	3.53	-3986.57	0.80
8551.00	4701.28	91.45	270.65	4079.52	4.23	-4079.52	0.74
8645.00	4698.40	92.07	270.04	4173.47	4.80	-4173.48	0.93
8730.00	4695.53	91.80	270.04	4258.42	4.86	-4258.43	0.32

Page 1

The Horizontal Displacement (in Feet) at
Measured Depth 4379.00 is 24.25 in a Direction of 143.73 Degrees

OFFSETS IN SECTION 4

	D	C	B	A	
	EOG				
	E	F	G	H	
(5)		(4)		(3)	
EOG +(WIO*)	L	K	J	I	EOG
	M	N	O	P	
(8) EOG +(WIO*)		EOG (9)		EOG (10)	