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State of New Mexico
Energy, Minerals & Natural Resources
Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

HOBBS OCD

MAY 01 2014

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FORM C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025- 41815	² Pool Code 98066	³ Pool Name WC-025 S263327H; Wolfcamp (Gas)
⁴ Property Code 39814	⁵ Property Name OPHELIA 27	⁶ Well Number #702H
⁷ GRID No. 7377	⁸ Operator Name EOG RESOURCES, INC.	⁹ Elevation 3293'

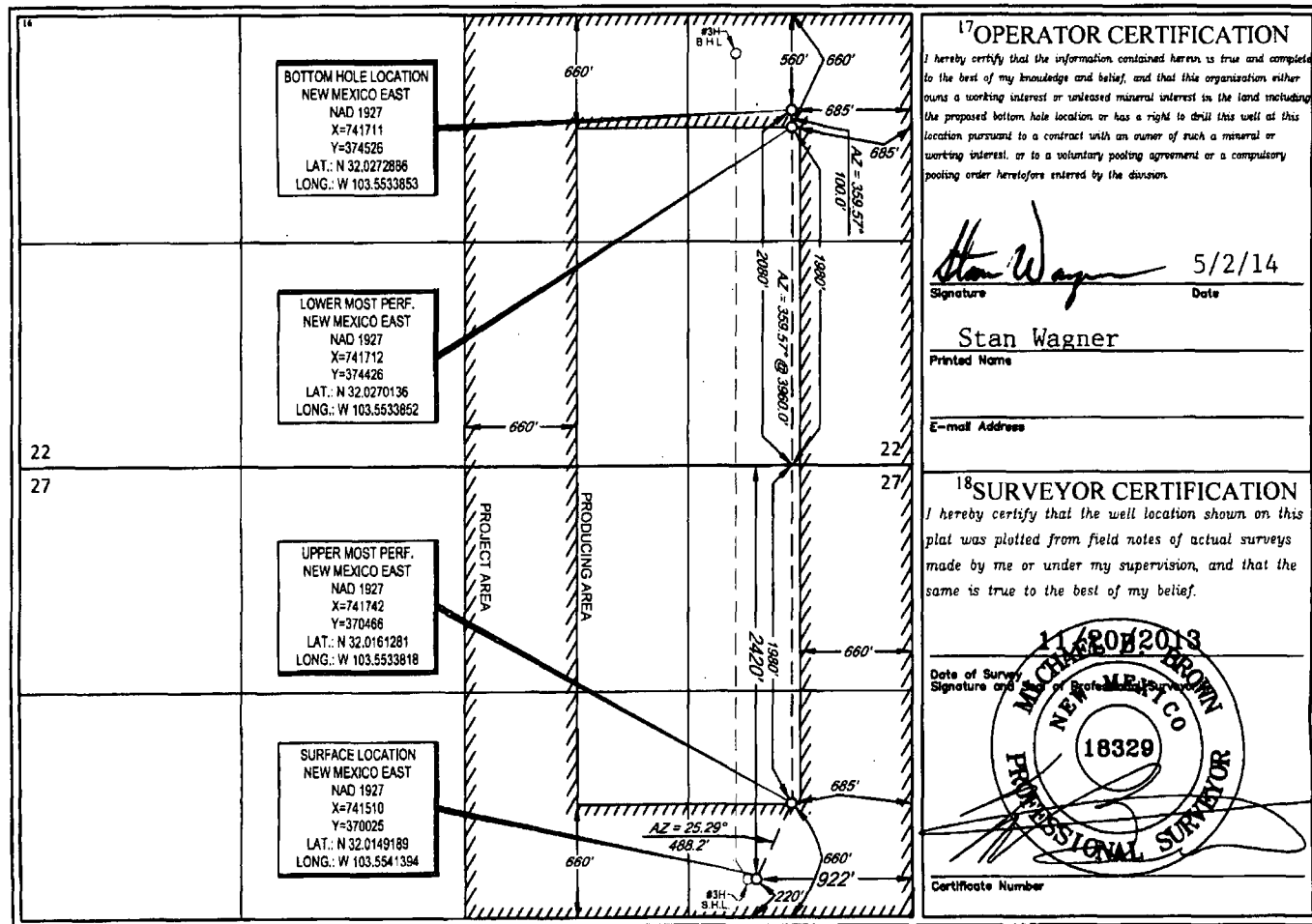
¹⁰Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	27	26-S	33-E	-	2420'	NORTH	922'	EAST	LEA

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	22	26-S	33-E	-	2080'	SOUTH	685'	EAST	LEA

¹¹ Dedicated Acres 320	¹² Joint or Infill	¹³ Consolidation Code	¹⁴ 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.



MAY 05 2014

Permit Information:

Well Name: Ophelia 27 No. 702H

Location:

SL: 2420' FNL & 922' FEL, Section 27, T-26-S, R-33-E, Lea Co., N.M.

BHL: 2080' FSL & 685' FEL, Section 22, T-26-S, R-33-E, Lea Co., N.M.

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Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
17.5"	0 - 900'	13.375"	54.5#	J55	STC	1.125	1.25	1.60
12.25"	0-4000'	9.625"	40#	J55	LTC	1.125	1.25	1.60
12.25"	4000' - 8000'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.60
8.75"	0'-16,726'	5.5"	17#	HCP-110	LTC	1.125	1.25	1.60

Cement Program:

Depth	No. Sacks	Wt. ppg	Yld Ft ³ /ft	Slurry Description
900'	400	13.5	1.73	Class C + 4.0% Bentonite + 0.6% CD-32 + 0.5% CaCl ₂ + 0.25 lb/sk Cello-Flake (TOC @ Surface)
	300	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
8,000' DV Tool @ 5,015'	350	11.9	2.36	Stage 1 Lead: Class H + 0.2% FL-52 + 0.75% CD-32 + 0.15% ASA-301 + 1.0% EC-1 + 1.6% SMS + 5.0% Salt + 0.1% R-21 + 5.0 pps LCM-1 + 0.005 pps Static Free + 0.25 pps Celloflake + 0.005 gps FP-6L
	300	14.2	1.32	Stage 1 Tail: Class H + 0.65% FL-52 + 0.6% CD-32 + 1.0% EC-1 + 0.65% SMS + 2.0% Salt + 0.2% R-21 + 0.005 gps FP-6L + 0.005 pps Static Free
	750	12.7	2.22	Stage 2 Lead: Class 'C' + 2.0% SMS + 10.0% Slat + 0.55% R-21 + 0.25 pps Celloflake + 0.005 pps Static Free (TOC @ Surface)
	300	14.8	1.35	Stage 2 Tail: Class 'C' + 0.60% FL-62 + 0.7% CD-32 + 0.3% SMS + 2.0% Salt + 0.10% R-3 + 0.005 pps Static Free + 0.005 gps FP-6L
13,000'	100	18.0	0.90	210' Btm Hole Plug - Class 'H' + 1.50% CD-32 + 0.05% R-3
11,625' - 12,225'	375	18.0	0.90	600' Sidetrack Plug - Class 'H' + 1.50% CD-32 + 0.05% R-3
16,726'	575	11.9	2.36	50:50:6 Class H + 0.20% FL-52 + 0.75% CD-32 + 1.0% EC-1 + 0.15% ASA-301 + 1.60% SMS + 5.0% Salt + 0.50% R-21 + 5.0 pps LCM-1 (TOC @ 7500')
	1250	14.2	1.35	50:50:2 Class H + 0.65% FL-52 + 0.70% CD-32 + 1.0% EC-1 + 0.40% SMS + 2.0% Salt + 0.05% R-3 + 0.005 pps Static Free + 0.005 gps FP-6L

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 900'	Fresh - Gel	8.6-8.8	28-34	N/c
900' – 8,000'	Brine	10.0-10.2	28-34	N/c
8,000' – 13,000' Pilot Hole	Oil Base	8.7-9.4	58-68	N/c - 6
11,922' – 16,726' Lateral	Oil Base	9.0-9.5	58-68	N/c - 6

Ophelia 27 #702H

Lea County, New Mexico
Proposed Wellbore

2420' FNL
922' FEL
Section 27
T-26-S, R-33-E

API: 30-025-*****

KB: 3,320'
GL: 3,293'

