

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
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-103
Revised July 18, 2013

WELL API NO. 30-025-41649 ✓
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Nautilus 16 State Com ✓
8. Well Number 1H ✓
9. OGRID Number 7377
10. Pool name or Wildcat Red Hills; Upper Bone Spring Shale

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, TX 79702 4. Well Location Unit Letter A : 220 feet from the North line and 380 feet from the East line Section 16 Township 26S Range 34E NMPM County Lea ✓ 11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3312' GR	
--	--

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. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☐			
OTHER: ☐		OTHER: ☐	

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

EOG Resources requests a change in our approved APD for this well to reflect a change in total depth.

Changing from 14276' MD, 10100' TVD to 17176' MD, 12540' TVD.

A revised drill plan and directional plan are attached.

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Stan Wagner TITLE Regulatory Analyst DATE 6/30/14
Type or print name Stan Wagner E-mail address: [redacted] PHONE: 432-686-3689
For State Use Only

APPROVED BY: [Signature] TITLE Petroleum Engineer DATE 07/10/14
Conditions of Approval (if any):

JUL 14 2014

[Signature]

Nautilus 16 State Com #1H

Lea County, New Mexico

Revised 6/30/14

Proposed Wellbore

220' FNL

380' FEL

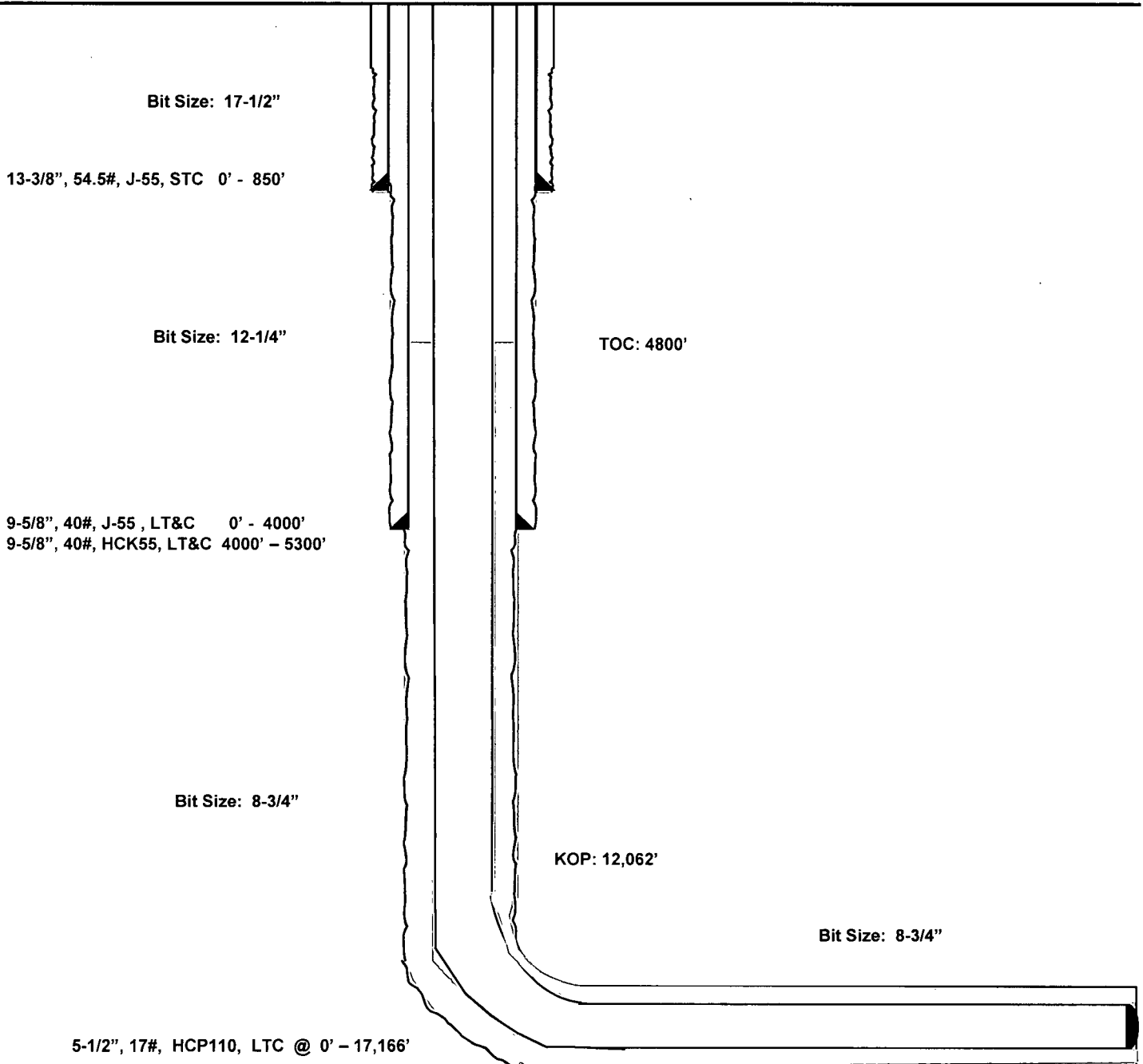
Section 16

T-26-S, R-34-E

API: 30-025-

KB: 3,334.5'

GL: 3,312.0'



Lateral: 17,176' MD, 12,540' TVD

BH Location: 230' FSL & 380' FEL
Section 16
T-26-S, R-34-E

Revised Permit Information 6/30/14:

Well Name: Nautilus 16 State Com No. 1H

Location:

SL: 220' FNL & 380' FEL, Section 16, T-26-S, R-34-E, Lea Co., N.M.

BHL: 230' FSL & 380' FEL, Section 16, T-26-S, R-34-E, Lea Co., N.M.

Casing Program:

Hole Size	Interval	Csg OD	Weight	Grade	Conn	DF _{min} Collapse	DF _{min} Burst	DF _{min} Tension
17.5"	0 – 850'	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' – 5300'	9.625"	40#	HCK-55	LTC	1.125	1.25	1.60
8.75"	0'-17,166'	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
850'	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)
	250	14.8	1.34	Class C + 0.6% FL-62 + 0.25 lb/sk Cello-Flake + 0.2% Sodium Metasilicate
5,300'	900	12.7	2.22	Class 'C' + 1.50% R-3 + 0.25 lb/sk Cello-Flake + 2.0% Sodium Metasilicate + 10% Salt + 0.005 lb/sk Static Free (TOC @ Surface)
	225	14.8	1.32	Tail: Class 'C' + 0.25 lb/sk Cello Flake + 0.005 lb/sk Static Free
14,276'	400	10.8	3.67	60:40:0 Class C + 15.0 pps BA-90 + 4% MPA-5 + 3.0% SMS + 5.0% A-10 + 1.0% BA-10A + 0.80% ASA-301 + 2.55% R-21 + 8.0 pps LCM-1 (TOC @ 4800')
	550	11.8	2.38	50:50:10 Class H + 0.80% FL-52 + 0.30% ASA-301 + 0.40% SMS + 2.0% Salt + 0.30% R-21 + 3.0 pps LCM-1 + 0.25 pps Celloflake
	1550	14.2	1.28	50:50:2 Class H + 0.65% FL-52 + 0.45% CD-32 + 0.10% SMS + 2.0% Salt

Mud Program:

Depth	Type	Weight (ppg)	Viscosity	Water Loss
0 – 850'	Fresh - Gel	8.6-8.8	28-34	N/c
850' – 5,300'	Brine	10.0-10.2	28-34	N/c
5,300' – 12,062'	Cut Brine	8.4-9.0	28-34	N/c
KOP – 17,166' Lateral	Cut Brine	9.0-9.5	40-42	8-10



Lea County, NM (NAD 27 NME)

Nautilus 16 State Com #1H

H&P 415

Plan #1

PROJECT DETAILS: Lea County, NM (NAD 27 NME)

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

WELL DETAILS: #1H

Ground Level: 3312.0
KB = 2' @ 3337.0usft (H&P 415)
Northing 382984.00 Easting 768397.00 Latitude 32° 2' 59.921 N Longitude 103° 28' 1.438 W

Azimuths to Grid North
True North: -0.46°
Magnetic North: 6.69°

Magnetic Field
Strength: 48219.0snT
Dip Angle: 59.97°
Date: 6/30/2014
Model: IGRF20104

To convert a Magnetic Direction to a Grid Direction, Add 6.69°
To convert a Magnetic Direction to a True Direction, Add 7.15° East
To convert a True Direction to a Grid Direction, Subtract 0.46°

SECTION DETAILS

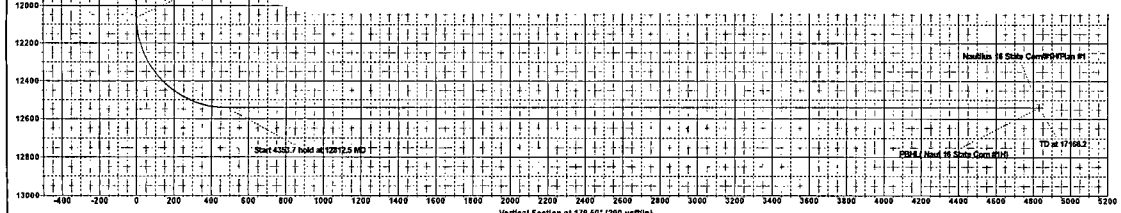
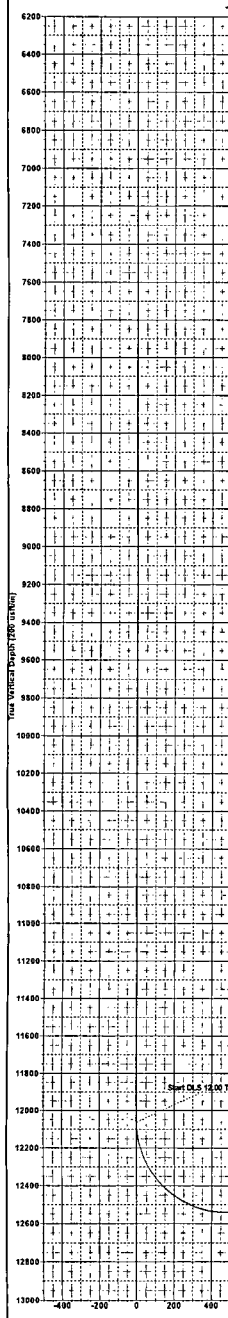
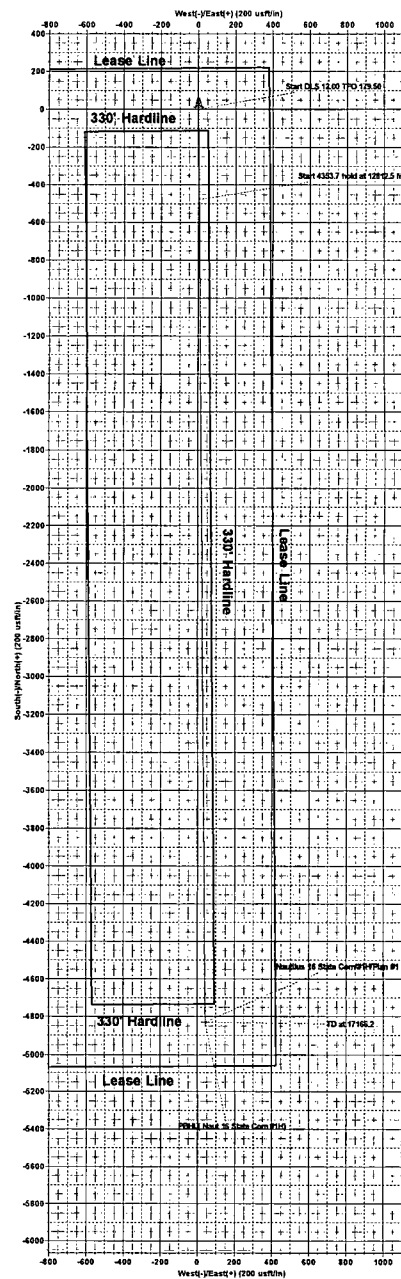
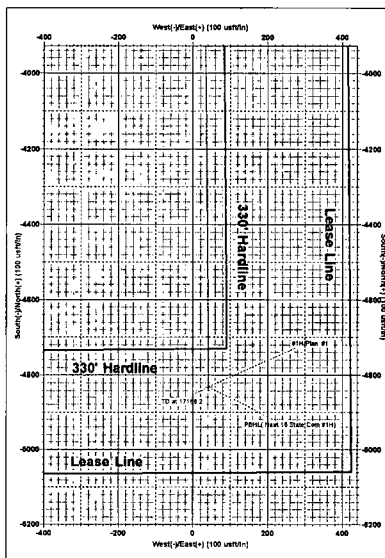
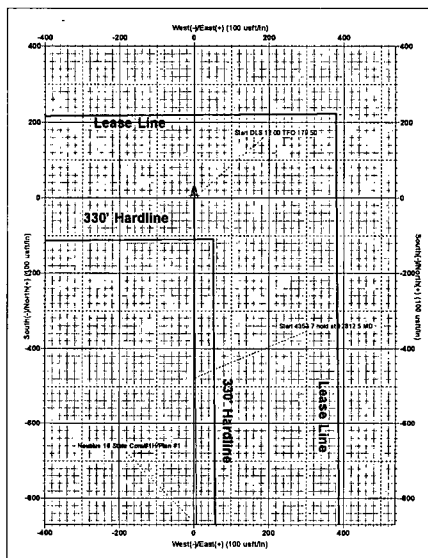
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target	Annotation
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2	12062.5	0.00	0.00	12062.5	0.0	0.0	0.00	0.00	0.0		
3	12812.5	90.00	179.50	12540.0	-477.4	4.2	12.00	179.50	477.5		
4	17166.2	90.00	179.50	12540.0	-4831.0	42.0	0.00	0.00	4831.2	PBHL (Naut 16 State Com #1H)	

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
PBHL (Naut 16 State Com #1H)	12540.0	-4831.0	42.0	378163.00	768439.00



Lea County, NM (NAD 27 NME)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level