

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico

Form C-101
Revised July 18, 2013

Energy Minerals and Natural Resources

Oil Conservation Division

☐ AMENDED REPORT

1220 South St. Francis Dr.

Santa Fe, NM 87505

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address EOG Resources 104 S. Fourth St., Artesia, NM 88210		² OGRID Number 025575
		³ API Number 30-015-20680
⁴ Property Code 317582	⁵ Property Name Boyd X State M Well	⁶ Well No. #1

⁷ Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
F	16	19S	25E		2080'	North	1780'	West	Eddy

⁸ Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

⁹ Pool Information

Pool Name Yeso	Pool Code 98227
seismic monitor	

Additional Well Information

¹¹ Work Type Re-Enter	¹² Well Type Monitor Well	¹³ Cable/Rotary Rotary	¹⁴ Lease Type State	¹⁵ Ground Level Elevation 3485'
¹⁶ Multiple Single	¹⁷ Proposed Depth 3740'	¹⁸ Formation Yeso	¹⁹ Contractor	²⁰ Spud Date ASAP
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

²¹ Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5"	12.75"	34	390'	400	0
Intm	11"	8.625"	24	1147'	525	0
Prod	7.875"	5.5"	17	7984'	375	0

Casing/Cement Program: Additional Comments

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²² Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
3000 PSI Manual	3000	3000	

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable. Signature: <i>Travis Hahn</i>		OIL CONSERVATION DIVISION Approved By: <i>Raymond W. Rodman</i> Title: <i>Geologist</i> Approved Date: <i>4/5/2017</i> Expiration Date: <i>4/5/2019</i>	
Printed name: Travis Hahn			
Title: Surface Land			
E-mail Address: travis_hahn@eogresources.com			
Date: 4/5/17	Phone: 575-748-4120	Conditions of Approval Attached	

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State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised August 4, 2011

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-20680	Pool Code 98227	Pool Name Seismic Monitor; Yes
Property Code 317582	Property Name BOYD X STATE M WELL	Well Number 1
OGRID No. 025575	Operator Name EOG Y RESOURCES, INC.	Elevation 3485'

Surface Location

UL or lot No. F	Section 16	Township 19 S	Range 25 E	Lot Idn	Feet from the 2080	SOUTH/South line NORTH	Feet from the 1780	East/West line WEST	County EDDY
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Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	SOUTH/South line	Feet from the	East/West line	County
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Dedicated Acres 0	Joint or Infill	Consolidation Code	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

<p>SURFACE LOCATION Lat - N 32.662632° Long - W 104.4925919° NMSPCE- N 604833.3 E 492327.6 (NAD-83)</p>	<p>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 unEDDYsed 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.</p> <p>Signature <u>T. Hahn</u> Date <u>4/5/17</u></p> <p>Printed Name <u>Travis Hahn</u></p> <p>Email Address <u>travis-hahn@eogresources.com</u></p>
	<p>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.</p> <p>Date Surveyed <u>APRIL 15, 2017</u></p> <p>Signature of Professional Surveyor <u>[Signature]</u></p> <p>Certificate No. <u>7977</u></p> <p>Scale: 1" = 2000'</p> <p>WO Num.:</p>

WELL NAME: Boyd X State Monitor Well #1 FIELD: Dagger Draw
 LOCATION: 2,080' FNL & 1,780' FWL of Section 16-19S-25E Eddy Co., NM
 GL: 3,485' ZERO: _____ KB: _____
 SPUD DATE: 3/25/95 COMPLETION DATE: 4/8/95
 COMMENTS: API No.: 30-015-20680
(Formerly Aparejo APA State Com #2 & Kincaid State #1)

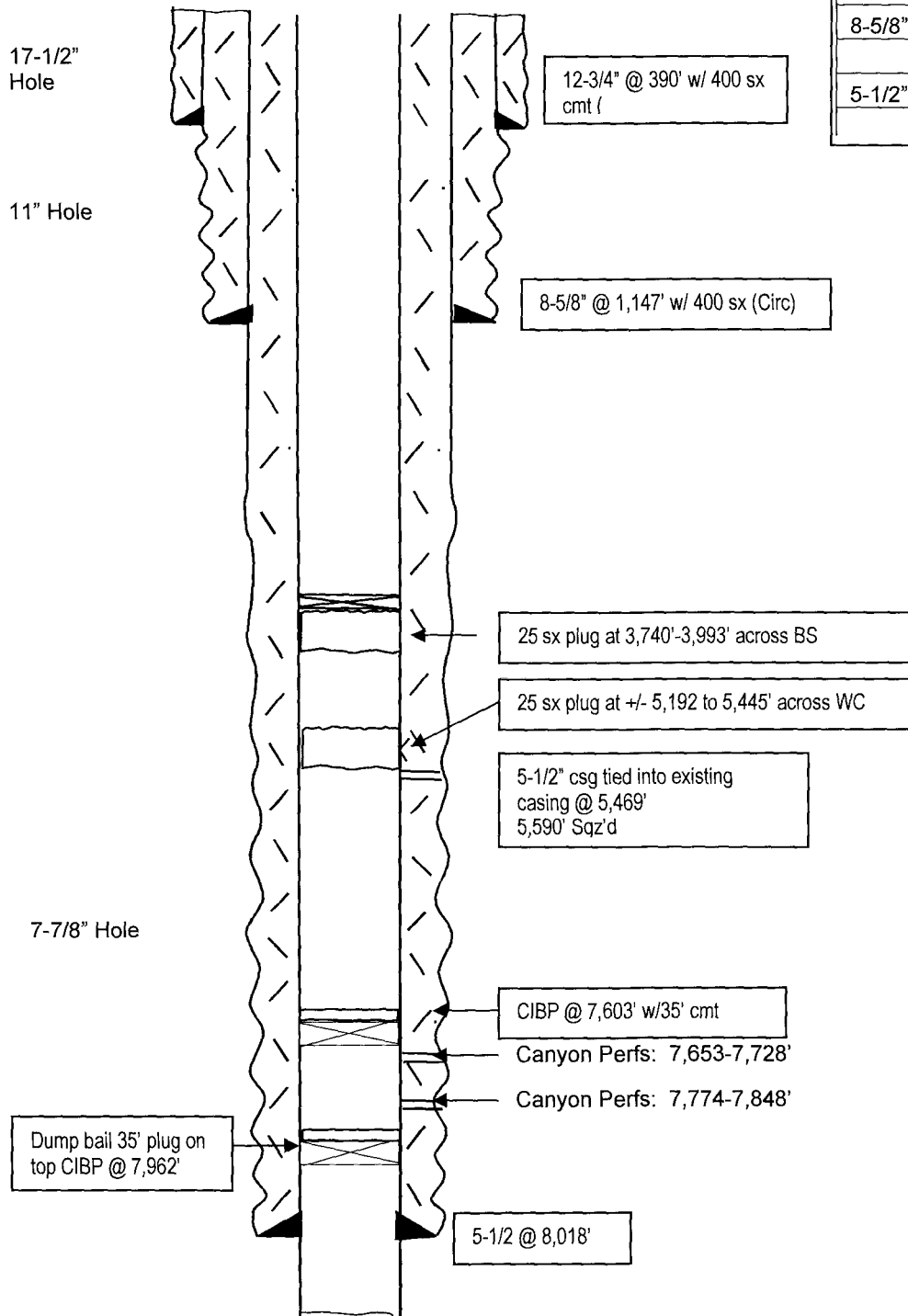
CASING PROGRAM

12-3/4" #34	390'
8-5/8" #24 J-55	1,147'
5-1/2" #17	7984'

After

TOPS

SA	730'
Glorieta	2,247'
BS	3,940'
WC	5,390'
Penn	7,010'
Canyon	7,640'
Strawn	8,300'
Atoka	8,700'



Not to Scale

3/31/17
Hill

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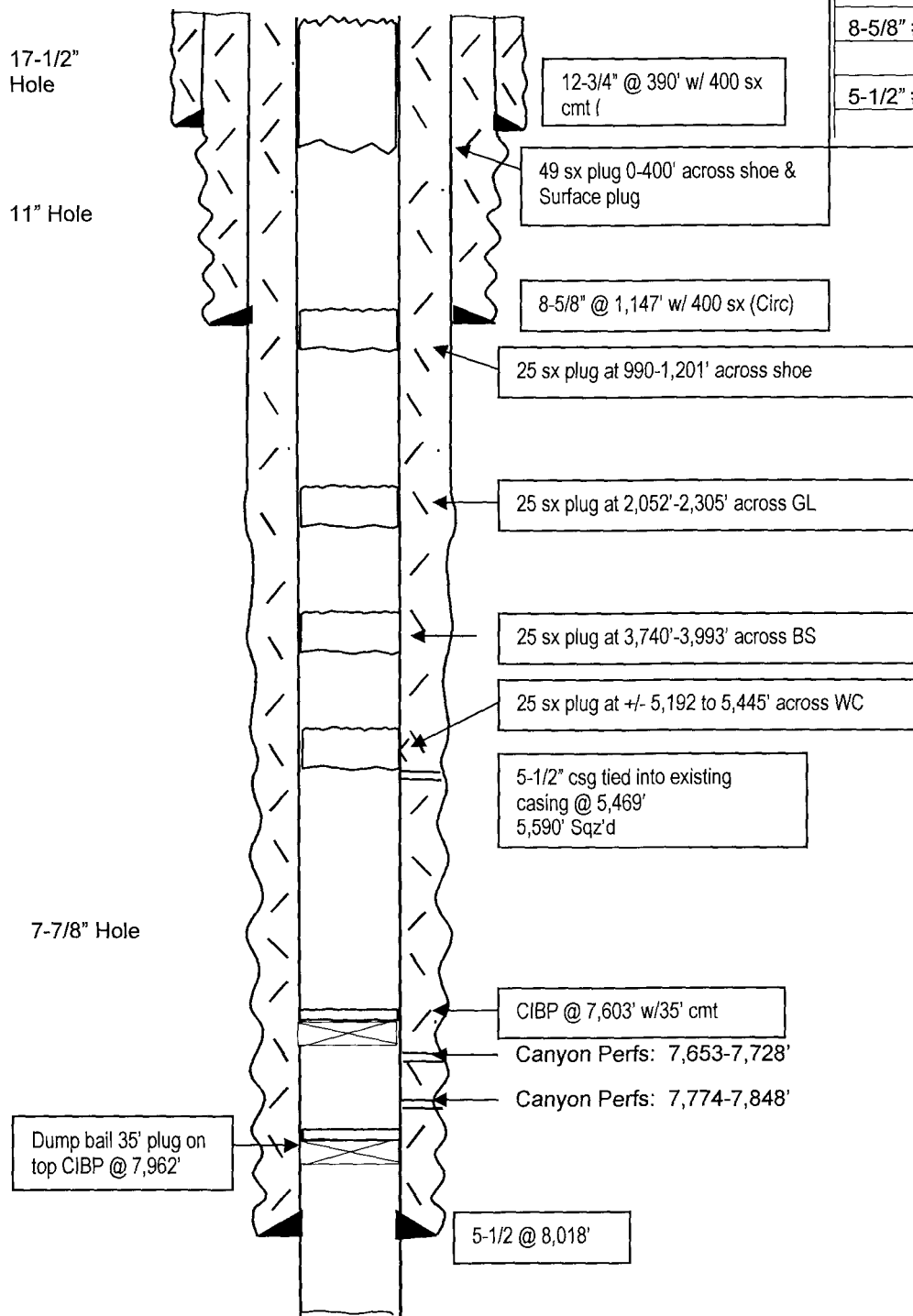
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PBTD: 7,984'
TD: 9,354'

Not to Scale

3/31/17
Hill

Boyd X State Monitor Well
2,080' FNL & 1,780' FWL of Section 16-19S-25E
Eddy County, New Mexico
Re-Entry Procedure
API No.: 30-015-20680

DISCUSSION:

Clean out the cellar takedown the DHM and NU WH. MI RU WSU to drill out cement plugs in 5-1/2" casing down to the plug at +/- 3,740. Pressure test the casing to 500 psi. MIRU WL to pull a CCL/CBL/GR log while holding pressure on the casing, after the CBL log run do a gyro survey. RD all equipment and secure the location and wait on the microsiesmic company.

1. Clear location. Dig out cellar and prep location for a pulling unit. MU RU WSU and cut off dry hole marker and save it, install starting head.
2. PU 4-3/4" bit to drill surface plug. PU DC and DP and drill cement plugs down to the plug at 3,740'. Circulate the hole clean and POOH laying down all tools. Set a CIBP +/- 3,700' and pressure test the casing to 500 psi for 30 min. Then TIH and circulate the hole with clean fresh water with corrosion inhibitor and an O2 scavenger.
3. MI RU WL to pull a CCL/CBL/FR log while holding 500 psi on the casing. Then run a gyro survey.
4. RD all services and secure the location. Wait on micro siesmic company to install geophones.
5. File paper work with the OCD to keep this well as monitor well. ✓

Specialty Engineer Completions _____ **Date** _____

Mike Hill
March 31, 2017

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION

PERMIT CONDITIONS OF APPROVAL

Operator Name EOG Y Resources
API Number 30-015-20680
Well Name and Number Boyd X State M Well #1
(317582)

- ☐ Will require a Directional Survey and "As Drilled" C-102 with the C-104
- ☒ Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string. *Secure Re-entry,*
- ☐ If cement does not circulate to surface, must run temperature survey or other log to determine top of cement.
- ☐ NSL approval required prior to sale of product
- ☐ NSP approval required for requested acreage dedication
- ☐ Initial injection cannot commence until all regulatory requirements have been met and drilling and completion data conforms to approved SWD order

→ *Notify OCD* *RWP.*
Prior to commencing
Re-entry operations.
R.P.