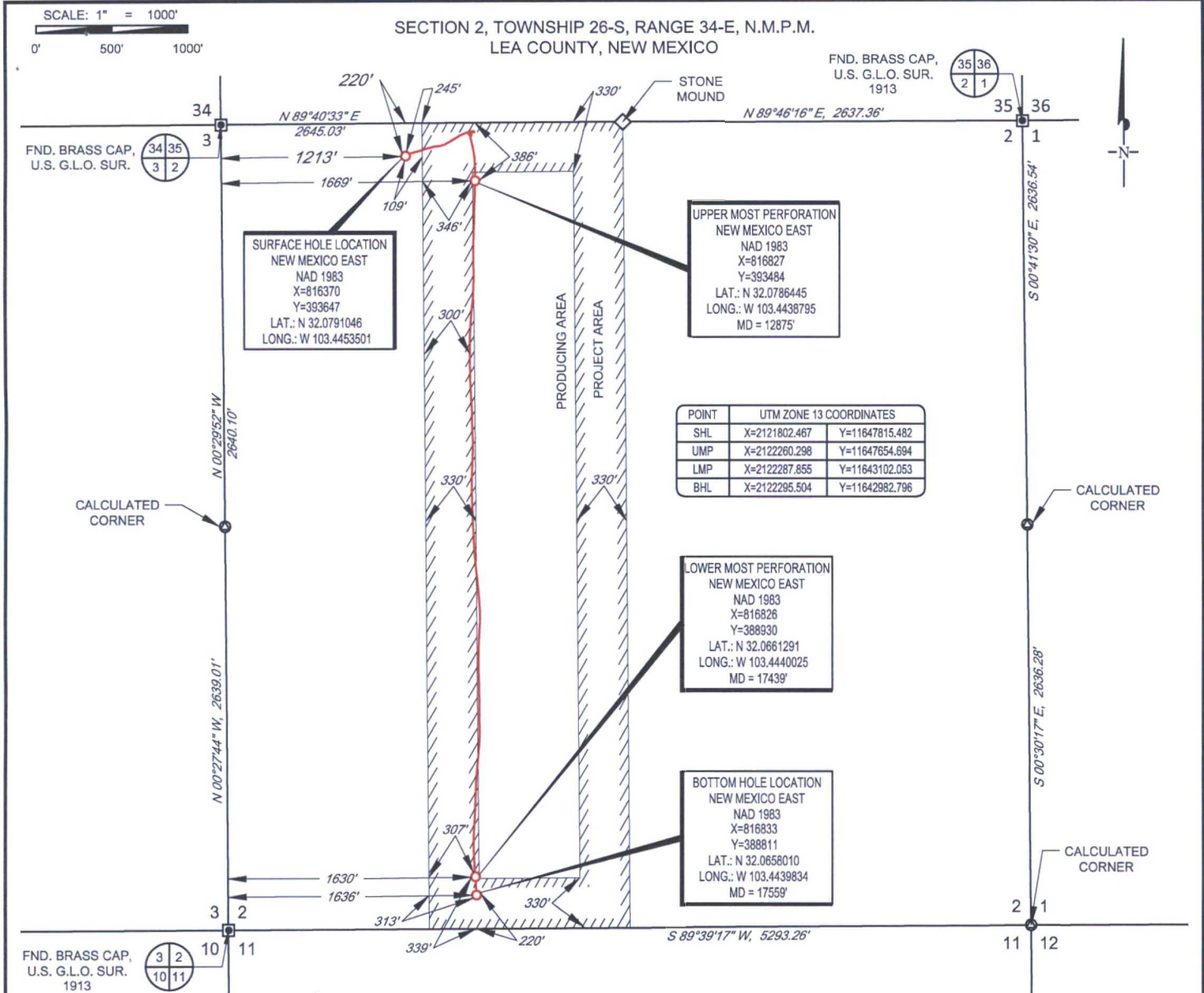


30-025-43893



LEASE NAME & WELL NO.: RUBY 2 STATE COM #703H

SECTION 2 TWP 26-S RGE 34-E SURVEY N.M.P.M.

COUNTY LEA STATE NM ELEVATION 3305'

DESCRIPTION 220' FNL & 1213' FWL



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7548
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
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WWW.TOPOGRAPHIC.COM



Michael Blake Brown, P.S. No. 18329
JANUARY 12, 2018

RUBY 2 STATE #703H AS-COMPLETED		REVISION:	NOTES:
DATE:	01/12/18		1. ORIGINAL DOCUMENT SIZE: 8.5" X 11"
FILE:	AD_RUBY2STATECOM_703H		2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO COORDINATE SYSTEM OF 1983, EAST ZONE, U.S. SURVEY FEET.
DRAWN BY:	MML		3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.
SHEET:	1 OF 1		

HOBBS OCD

JAN 31 2018

RECEIVED



Lea County, NM (NAD 83 NME)

Ruby 2 State Com #703H

HP 642

Plan #1

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #703H

Ground Level: 3305.0
KB = 25' @ 3330.0usft (HP 642)
Northing 393647.00 Easting 816370.00 Latitude 32° 4' 44.773 N Longitude 103° 28' 43.290 W

SECTION DETAILS

	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3118.0	0.00	0.00	3118.0	0.0	0.0	0.00	0.00	0.0	
3	3405.5	5.75	68.00	3405.0	5.4	13.4	2.00	68.00	-4.1	
4	7822.7	5.75	68.00	7800.0	171.2	423.7	0.00	0.00	-128.4	
5	8110.2	0.00	0.00	8087.0	176.6	437.1	2.00	180.00	-132.4	
6	12274.7	0.00	0.00	12251.5	176.6	437.1	0.00	0.00	-132.4	
7	13020.5	89.50	179.50	12729.0	-296.7	441.2	12.00	179.50	338.9	
8	15190.6	89.50	179.50	12748.0	-2466.3	460.0	0.00	0.00	2500.0	TGT 1 (Ruby 2 State Com #703H)
9	15192.3	89.47	179.51	12748.0	-2468.3	460.0	2.00	159.68	2501.7	
10	17549.2	89.47	179.51	12770.0	-4825.0	480.0	0.00	0.00	4848.8	PBHL (Ruby 2 State Com #703H)

To convert a Magnetic Direction to a Grid Direction, Add 6.46°
To convert a Magnetic Direction to a True Direction, Add 6.93° East
To convert a True Direction to a Grid Direction, Subtract 0.47°



Azimuths to Grid North
True North: -0.47°
Magnetic North: 6.46°

Magnetic Field
Strength: 47900.9nT
Dip Angle: 69.95°
Date: 1/23/2017
Model: IGRF2015

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
TGT 1 (Ruby 2 State Com #703H)	12748.0	-2466.3	460.0	391180.40	816830.01
PBHL (Ruby 2 State Com #703H)	12770.0	-4825.0	480.0	388822.00	816850.00
FTP (Ruby 2 State Com #703H)	12729.0	-107.0	440.0	393540.00	816810.00
KOP (Ruby 2 State Com #703H)	12251.5	176.6	437.1	393823.58	816807.06

