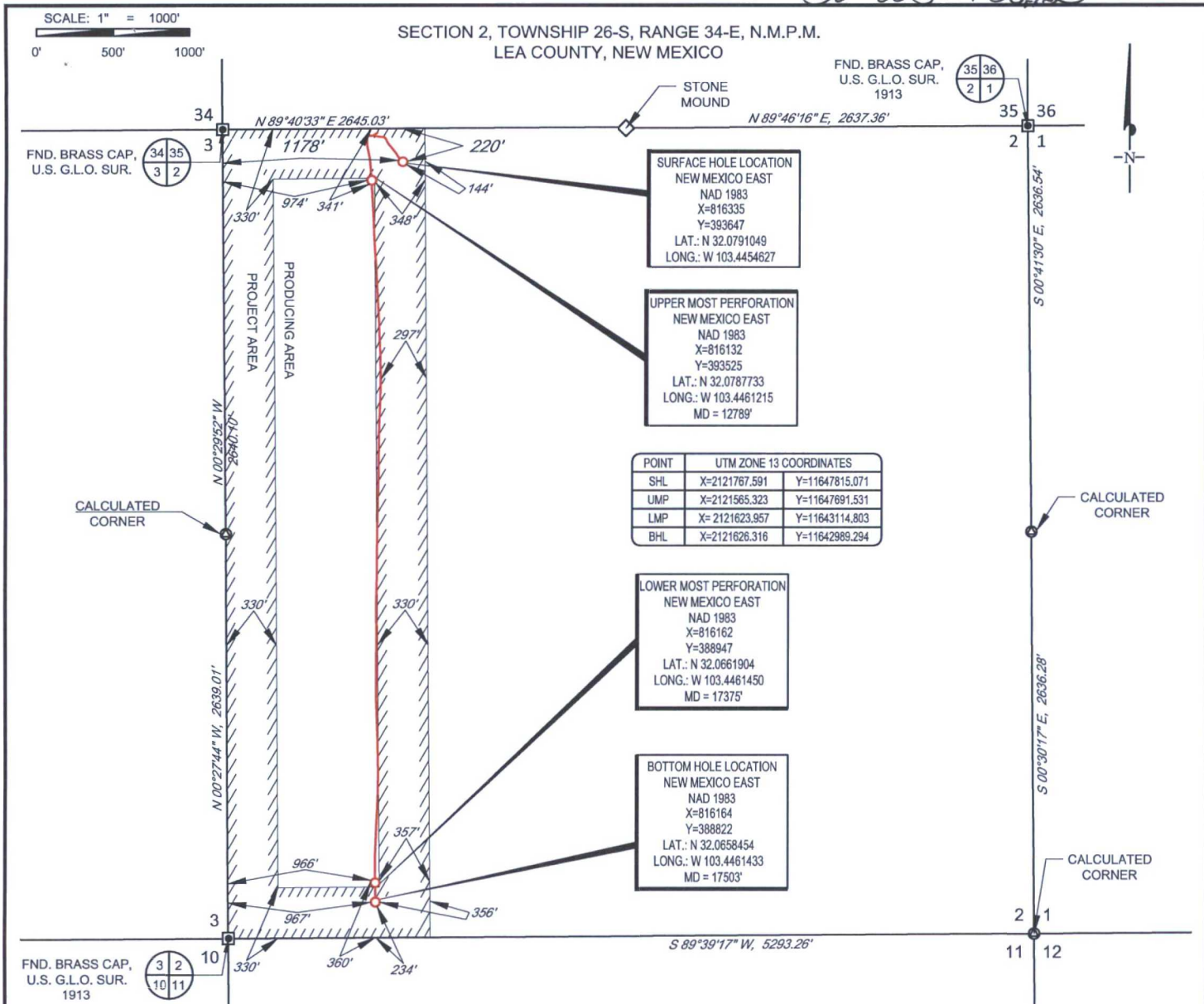


30-025-43892



LEASE NAME & WELL NO.: RUBY 2 STATE COM #702H

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

COUNTY LEA STATE NM ELEVATION 3304'

DESCRIPTION 220' FNL & 1178' FWL



TOPOGRAPHIC
LOYALTY INNOVATION LEGACY

1400 EVERMAN PARKWAY, Ste. 146 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7548
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Michael Blake Brown, P.S. No. 18329
JANUARY 8, 2018



RUBY 2 STATE #702H AS-COMPLETED		REVISION:	NOTES: 1. ORIGINAL DOCUMENT SIZE: 8.5" X 11" 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. 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.
DATE:	01/08/18		
FILE:	AD_RUBY2STATECOM_702H		
DRAWN BY:	EAH		
SHEET:	1 OF 1		

HOBBS OCD

JAN 31 2018

RECEIVED



Lea County, NM (NAD 83 NME)

Ruby 2 State Com #702H

H&P 642

Plan #2

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: #702H

Ground Level: 3304.6
KB = 25' @ 3329.0usft (H&P 642)
Northing: 393647.00 Easting: 816335.00
Latitude: 32° 4' 44.776 N Longitude: 103° 28' 43.667 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VFace	Target
1	1051.0	0.30	283.43	1051.0	-2.9	-4.4	0.00	0.00	3.0	
2	1151.0	0.30	283.43	1151.0	-2.8	-4.9	0.00	0.00	2.9	
3	1624.9	5.00	313.03	1624.2	11.6	-21.2	1.00	31.39	-10.9	
4	3990.5	5.00	313.03	3980.9	152.2	-171.9	0.00	0.00	-147.0	
5	4490.3	0.00	0.00	4480.0	167.1	-187.8	1.00	180.00	-161.4	
6	12180.9	0.00	0.00	12170.6	167.1	-187.8	0.00	0.00	-161.4	KOP(#702H OH Plan #1)
7	12926.1	89.43	179.51	12648.0	-305.6	-183.7	12.00	179.51	310.9	
8	15116.9	89.43	179.51	12670.0	-2496.2	-165.0	0.00	0.00	2500.0	TGT#1 (Ruby 2 State Com #702H)
9	15121.1	89.51	179.51	12670.0	-2500.4	-164.9	2.00	1.06	2504.2	
10	17449.9	89.51	179.51	12690.0	-4829.0	-145.0	0.00	0.00	4831.2	PBHL (Ruby 2 State Com #702H)



Azimuths to Grid North
True North: -0.47°
Magnetic North: 6.39°
Magnetic Field
Strength: 47840.7nT
Dip Angle: 59.95°
Date: 9/15/2017
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.39°
To convert a Magnetic Direction to a True Direction, Add 6.86° East
To convert a True Direction to a Grid Direction, Subtract 0.47°

CASING DETAILS

No casing data is available

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N/-S	+E/-W	Northing	Easting
KOP(#702H OH Plan #1)	12170.6	167.1	-187.8	393814.09	816147.20
TGT#1 (Ruby 2 State Com #702H)	12670.0	-2496.2	-165.0	391150.80	816170.05
PBHL (Ruby 2 State Com #702H)	12690.0	-4829.0	-145.0	398918.00	816180.00
FTP (Ruby 2 State Com #702H)	12648.0	-111.0	-185.0	393536.00	816150.00

