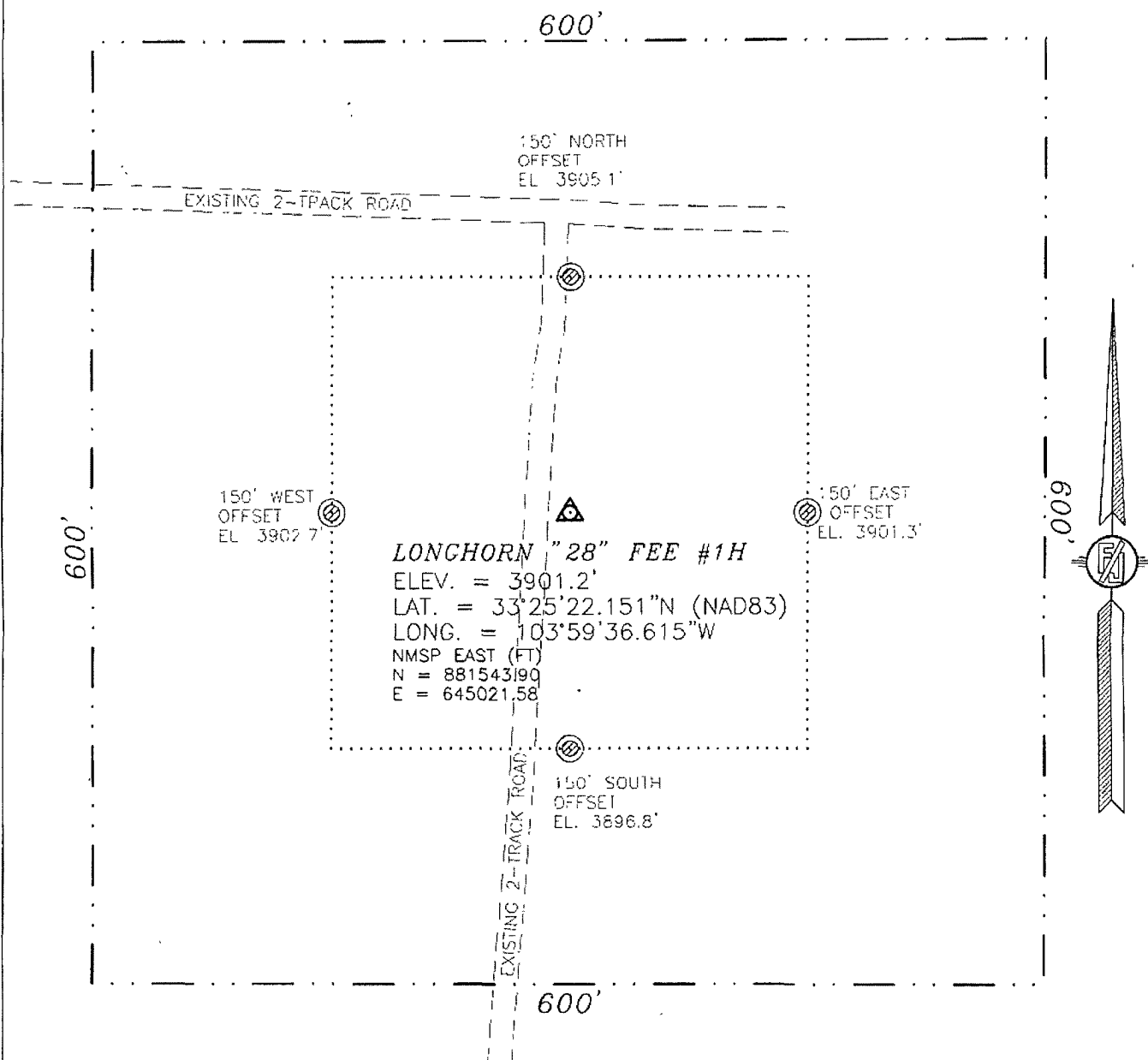


SECTION 28, TOWNSHIP 10 SOUTH, RANGE 29 EAST, N.M.P.M.
CHAVES COUNTY, STATE OF NEW MEXICO



0 10 50 100 200

SCALE 1" = 100'

DIRECTIONS TO LOCATION

FROM HWY. 380 AND CO. RD. #256 GO EAST ON HWY.
380 0.4 MILES AND TURN LEFT ON SANDY RANCH RD.
AND GO NORTH 885' AND LOCATION IS ON THE RIGHT
(EAST) 20'.

DEVON ENERGY PRODUCTION COMPANY, L.P.

LONGHORN "28" FEE #1H

LOCATED 670 FT. FROM THE NORTH LINE
AND 1770' FT. FROM THE WEST LINE OF
SECTION 28, TOWNSHIP 10 SOUTH,
RANGE 29 EAST, N.M.P.M.
CHAVES COUNTY, STATE OF NEW MEXICO

JULY 16, 2010

SURVEY NO. 133-R2

MADRON SURVEYING, INC.

301 SOUTH CANAL
(E75) BR7-5830

CARLSBAD, NEW MEXICO

MADRON SURVEYING, INC. CARLSBAD, NEW MEXICO

JULY 16, 2010

SURVEY NO. 133-R2

DEVON ENERGY PRODUCTION COMPANY, L.P.
LONGHORN "28" FEE #1H
LOCATED 670 FT. FROM THE NORTH LINE
AND 1770' FT. FROM THE WEST LINE OF
SECTION 28, TOWNSHIP 10 SOUTH,
RANGE 29 EAST, N.M.P.M.
CHAVES COUNTY, STATE OF NEW MEXICO

NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
USDA - AUG. 2009

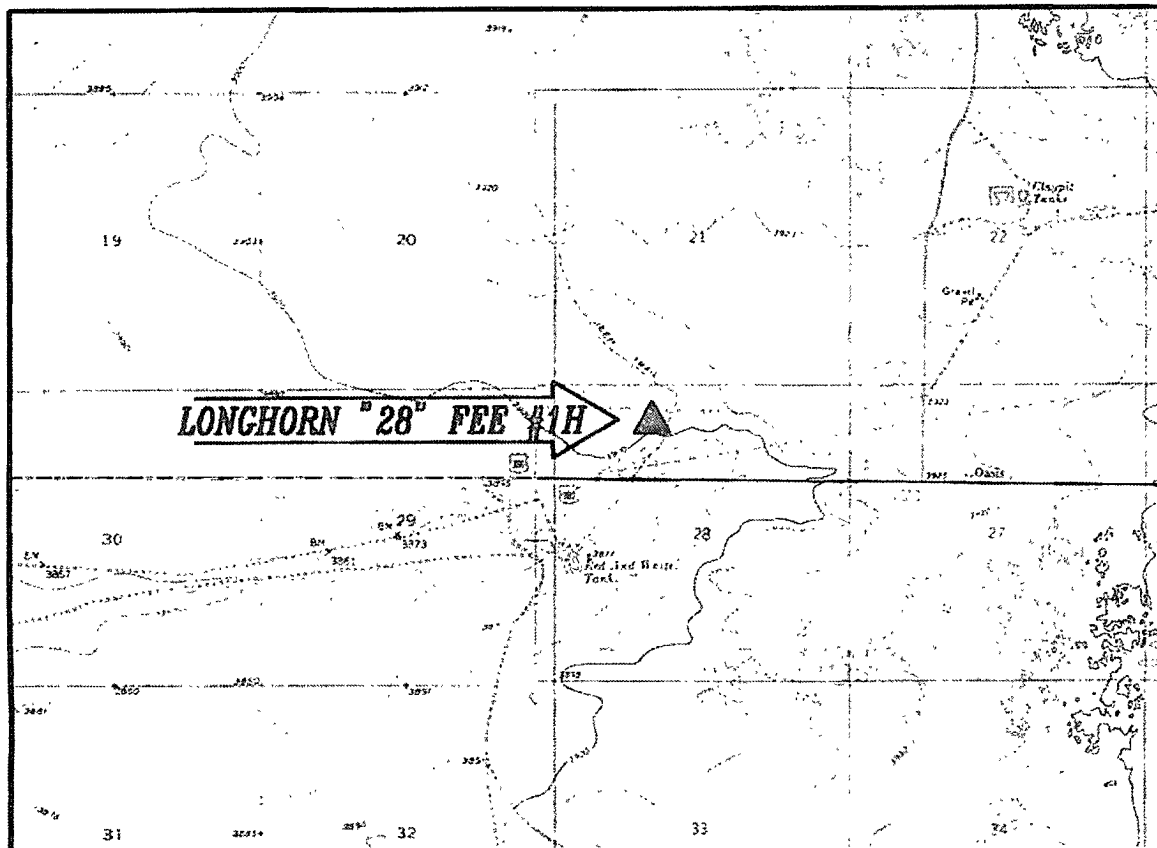


AERIAL PHOTO

LAND OWNERSHIP MAP

SECTION 28, TOWNSHIP 10 SOUTH, RANGE 29 EAST, N.M.P.M.
CHAVES COUNTY, STATE OF NEW MEXICO

SECTION 28, TOWNSHIP 10 SOUTH, RANGE 29 EAST, N.M.P.M.
CHAVES COUNTY, STATE OF NEW MEXICO
LOCATION VERIFICATION MAP



CONTOUR INTERVAL:
OASIS
SARDINE MOUNTAIN

DIRECTIONS TO LOCATION

FROM HWY. 380 AND CO. RD. #256 GO EAST
ON HWY. 380 0.4 MILES AND TURN LEFT ON
SANDY RANCH RD. AND GO NORTH 885' AND
LOCATION IS ON THE RIGHT (EAST) 20'.

NOT TO SCALE

SEC. 28 TWP. 10-S RGE. 29-E
SURVEY N.M.P.M.
COUNTY CHAVES STATE NEW MEXICO
DESCRIPTION 670' FNL & 1770' FWL
ELEVATION 3901.2'
OPERATOR DEVON ENERGY PRODUCTION COMPANY, LP
LEASE LONGHORN

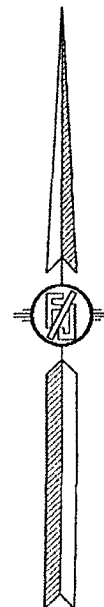
DEVON ENERGY PRODUCTION COMPANY, L.P.
LONGHORN "28" FEE #1H
LOCATED 670 FT. FROM THE NORTH LINE
AND 1770' FT. FROM THE WEST LINE OF
SECTION 28, TOWNSHIP 10 SOUTH,
RANGE 29 EAST, N.M.P.M.
CHAVES COUNTY, STATE OF NEW MEXICO

JULY 16, 2010

SURVEY NO. 133-R2

MADRON SURVEYING, INC. 501 SOUTH CANAL CARLSBAD, NEW MEXICO
(575) 887 5830

VICINITY MAP



NOT TO SCALE

NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.
LONGHORN "28" FEE #1H
LOCATED 670 FT. FROM THE NORTH LINE
AND 1770' FT. FROM THE WEST LINE OF
SECTION 28, TOWNSHIP 10 SOUTH,
RANGE 29 EAST, N.M.P.M.
CHAVES COUNTY, STATE OF NEW MEXICO

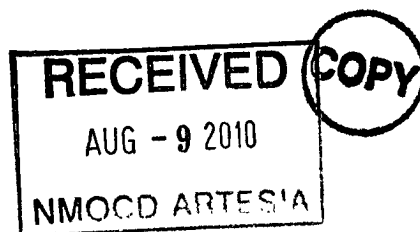
SURVEY NO. 133-R2

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
(505) 497-5830

301 SOUTH CANAL
(575) 887-5830



devon



Devon Energy

Chaves Co, New Mexico (Nad-83)

Longhorn 28 Fee #1H

Longhorn 28 Fee #1H

Lateral #1

Plan: Design #2

RECEIVED

AUG 04 2010

HOBBSOCD

Standard Survey Report

22 July, 2010





CUDD Drilling & Measurement Services
Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Site Longhorn 28 Fee #1H
Project:	Chaves Co, New Mexico (Nad-83)	TVD Reference:	WELL @ 3919 00ft (Original Well Elev)
Site:	Longhorn 28 Fee #1H	MD Reference:	WELL @ 3919.00ft (Original Well Elev)
Well:	Longhorn 28 Fee #1H	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #2	Database:	EDM 2003 21 Single User Db

Project	Chaves Co, New Mexico (Nad-83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Longhorn 28 Fee #1H, Sec 28, T-10S, R-29E		
Site Position:		Northing:	881,543 90 ft
From:	Map	Easting:	645,021.58 ft
Position Uncertainty:	0 00 ft	Slot Radius:	"
		Latitude:	33° 25' 22 151 N
		Longitude:	103° 59' 36.616 W
		Grid Convergence:	0 19 °

Well	Longhorn 28 Fee #1H		
Well Position	+N/-S	0 00 ft	Northing:
	+E/-W	0.00 ft	Easting:
Position Uncertainty	0.00 ft	Wellhead Elevation:	3,919 00 ft
		Ground Level:	3,900 00 ft

Wellbore	Lateral #1		
----------	------------	--	--

Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF200510	06/16/10	7.98	61.26	49,417

Design	Design #2		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth: 0 00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(ft)	(ft)	(ft)
	8,815 00	0.00	0 00
			91 09

Survey Tool Program	Date 07/22/10		
From	To	Survey (Wellbore)	Tool Name
(ft)	(ft)		Description
0 00	8,000 00	Design #2 (Lateral #1)	NS-GYRO-MS
8,000 00	11,375.21	Design #2 (Lateral #1)	CUDD MWD
			North sensing gyrocompassing m/s
			MWD - Standard CUDD MWD

Planned Survey									
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)
0.00	0 00	0.00	0.00	0 00	0.00	0.00	0.00	0 00	0.00
5,925.00	0 00	0 00	5,925.00	0 00	0 00	0.00	0.00	0.00	0.00
Abo									
6,345 00	0.00	0 00	6,345.00	0 00	0.00	0.00	0.00	0 00	0.00
Abo Dolomite									
6,495.00	0 00	0.00	6,495 00	0.00	0 00	0.00	0.00	0.00	0.00
Wolfcamp									
7,450.00	0.00	0.00	7,450.00	0.00	0 00	0.00	0 00	0 00	0.00
Pennsylvanian									
8,177 24	0 00	0.00	8,177.24	0 00	0 00	0.00	0.00	0.00	0 00
KOP - Build 10°/100'									



CUDD Drilling & Measurement Services

Survey Report



Company:	Devon Energy	Local Co-ordinate Reference:	Site Longhorn 28 Fee #1H
Project:	Chaves Co, New Mexico (Nad-83)	TVD Reference:	WELL @ 3919 00ft (Original Well Elev)
Site:	Longhorn 28 Fee #1H	MD Reference:	WELL @ 3919 00ft (Original Well Elev)
Well:	Longhorn 28 Fee #1H	North Reference:	Grid
Wellbore:	Lateral #1	Survey Calculation Method:	Minimum Curvature
Design:	Design #2	Database:	EDM 2003.21 Single User Db

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,463.52	28.63	91.09	8,451.76	-1.34	70.03	70.05	10.00	10.00	0.00
Mississippian									
8,517.03	33.98	91.09	8,497.46	-1.87	97.82	97.84	10.00	10.00	0.00
Mississippian Meramec									
8,574.36	39.71	91.09	8,543.32	-2.52	132.18	132.20	10.00	10.00	0.00
Mississippian Osage									
8,950.51	77.33	91.09	8,736.24	-8.53	447.18	447.26	10.00	10.00	0.00
Mississippian Lower Osage									
9,061.14	88.39	91.09	8,749.97	-10.62	556.76	556.86	10.00	10.00	0.00
EOC - Hold I:88.39* @ A:91.09*									
11,375.60	88.39	91.09	8,815.00	-54.72	2,869.89	2,870.41	0.00	0.00	0.00
PBHL - TD(L28F#1H)									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL - TD(L28F#1H)	0.00	359.86	8,815.00	-54.72	2,869.89	881,489.18	647,891.46	33° 25' 21.516 N	103° 59' 2.756 W
- plan hits target center									
- Point									

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
5,925.00	5,925.00	Abo		1.44	89.87
6,345.00	6,345.00	Abo Dolomite		1.44	89.87
6,495.00	6,495.00	Wolfcamp		1.44	89.87
7,450.00	7,450.00	Pennsylvanian		1.44	89.87
8,463.52	8,450.00	Mississippian		1.44	89.87
8,517.03	8,495.00	Mississippian Meramec		1.44	89.87
8,574.36	8,540.00	Mississippian Osage		1.44	89.87
8,950.51	8,725.00	Mississippian Lower Osage		1.44	89.87
	9,045.00	Siluro-Devonian		1.44	89.87

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
8,177.24	8,177.24	0.00	0.00	KOP - Build 10"/100'
9,061.14	8,749.97	-10.62	556.76	EOC - Hold I:88.39* @ A:91.09*

Checked By: _____ Approved By: _____ Date: _____

Longhorn 28 Fee #1H_Plan #2_Report_07-22-10.txt

Devon Energy

Longhorn 28 Fee #1H - Design #2

Chaves Co, New Mexico (Nad-83)

Longhorn 28 Fee #1H

Measured Dogleg Depth Rate (ft) (°/100ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)
0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00
0.00						
8177.24	0.00	0.00	8177.24	0.00 N	0.00 E	0.00
0.00						
8200.00	2.28	91.09	8199.99	0.01 S	0.45 E	0.45
10.00						
8300.00	12.28	91.09	8299.06	0.25 S	13.10 E	13.10
10.00						
8400.00	22.28	91.09	8394.43	0.82 S	42.75 E	42.76
10.00						
8500.00	32.28	91.09	8483.20	1.69 S	88.51 E	88.53
10.00						
8600.00	42.28	91.09	8562.67	2.84 S	148.99 E	149.02
10.00						
8700.00	52.28	91.09	8630.43	4.24 S	222.35 E	222.39
10.00						
8800.00	62.28	91.09	8684.42	5.84 S	306.35 E	306.41
10.00						
8900.00	72.28	91.09	8723.00	7.60 S	398.46 E	398.53
10.00						
9000.00	82.28	91.09	8745.00	9.45 S	495.86 E	495.95
10.00						
9061.14	88.39	91.09	8749.97	10.62 S	556.76 E	556.86
10.00						
9100.00	88.39	91.09	8751.06	11.36 S	595.60 E	595.70
0.00						
9200.00	88.39	91.09	8753.87	13.26 S	695.54 E	695.66
0.00						
9300.00	88.39	91.09	8756.68	15.17 S	795.48 E	795.63
0.00						
9400.00	88.39	91.09	8759.49	17.07 S	895.42 E	895.59
0.00						
9500.00	88.39	91.09	8762.30	18.98 S	995.37 E	995.55
0.00						
9600.00	88.39	91.09	8765.11	20.88 S	1095.31 E	1095.51
0.00						
9700.00	88.39	91.09	8767.92	22.79 S	1195.25 E	1195.47
0.00						
9800.00	88.39	91.09	8770.73	24.70 S	1295.19 E	1295.43
0.00						
9900.00	88.39	91.09	8773.54	26.60 S	1395.13 E	1395.39
0.00						
10000.00	88.39	91.09	8776.35	28.51 S	1495.08 E	1495.35
0.00						
10100.00	88.39	91.09	8779.16	30.41 S	1595.02 E	1595.31
0.00						
10200.00	88.39	91.09	8781.97	32.32 S	1694.96 E	1695.27
0.00						
10300.00	88.39	91.09	8784.78	34.22 S	1794.90 E	1795.23
0.00						

Longhorn 28 Fee #1H_Plan #2_Report_07-22-10.txt

10400.00	88.39	91.09	8787.59	36.13 S	1894.85 E	1895.19
0.00						
10500.00	88.39	91.09	8790.40	38.03 S	1994.79 E	1995.15
0.00						
10600.00	88.39	91.09	8793.21	39.94 S	2094.73 E	2095.11
0.00						
10700.00	88.39	91.09	8796.02	41.85 S	2194.67 E	2195.07
0.00						
10800.00	88.39	91.09	8798.83	43.75 S	2294.62 E	2295.03
0.00						
10900.00	88.39	91.09	8801.64	45.66 S	2394.56 E	2394.99
0.00						
11000.00	88.39	91.09	8804.45	47.56 S	2494.50 E	2494.95
0.00						
11100.00	88.39	91.09	8807.26	49.47 S	2594.44 E	2594.91
0.00						
11200.00	88.39	91.09	8810.07	51.37 S	2694.39 E	2694.87
0.00						
11300.00	88.39	91.09	8812.88	53.28 S	2794.33 E	2794.84
0.00						
11375.60	88.39	91.09	8815.00	54.72 S	2869.89 E	2870.41
0.00						

All data are in feet unless otherwise stated. Directions and coordinates are relative to Grid North.
Vertical depths are relative to WELL. Northings and Eastings are relative to Site.

The Dogleg Severity is in Degrees per 100 feet.
Vertical Section is from Slot and calculated along an Azimuth of 91.090° (Grid).

Coordinate System is North American Datum 1983 US State Plane 1983, New Mexico Eastern Zone.
Central meridian is -104.333°.
Grid Convergence at Surface is 0.187°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 11375.60ft., the Bottom Hole Displacement is 2870.41ft., in the Direction of 91.090° (Grid).