

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) 748-9750
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
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025 42993	² Pool Code 49490	³ Pool Name Paduca; Delaware, North
⁴ Property Code 314752	⁵ Property Name REBEL 20 FED	⁶ Well Number 2H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3564.1

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	20	24 S	32 E		250	NORTH	1930	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	20	24 S	32 E		330	SOUTH	1980	WEST	LEA

¹² Dedicated Acres 160 ac	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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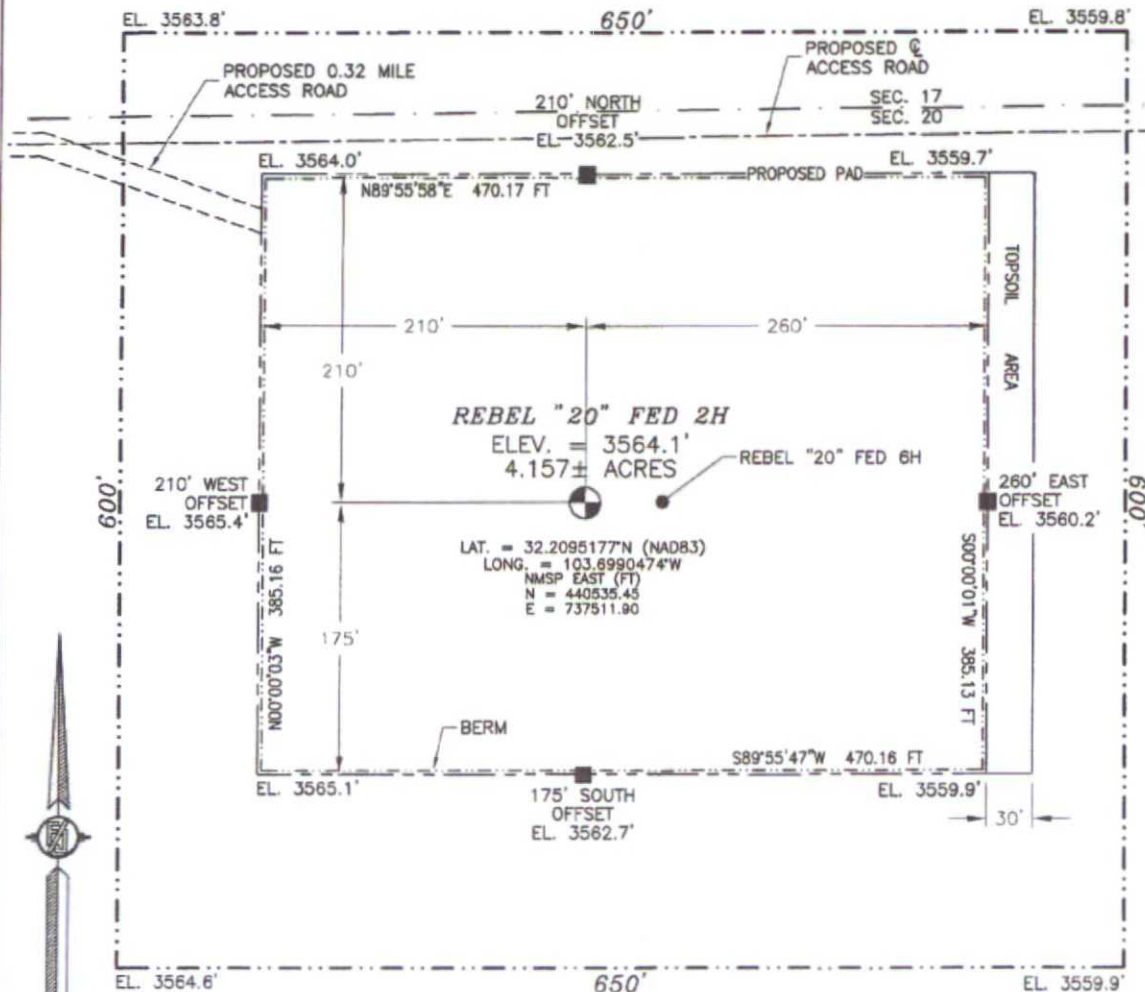
No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

N89°19'12"E 2643.68 FT N89°25'24"E 2641.68 FT S89°26'22"E 2637.01 FT S89°25'54"E 2644.68 FT		" 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 undivided 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. <i>Trina C. Couch</i> 4/8/15 Signature Trina C. Couch, Regulatory Analyst Printed Name trina.couch@dvn.com E-mail Address
NW CORNER SEC. 20 LAT. = 32.2101731°N LONG. = 103.7052886°W NMSP EAST (FT) N = 440762.51 E = 735580.15 REBEL "20" FED 2H ELEV. = 3564.1 LAT. = 32.2095177°N (NAD83) LONG. = 103.6990474°W NMSP EAST (FT) N = 440535.45 E = 737511.90 NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE. SW CORNER SEC. 20 LAT. = 32.1956460°N LONG. = 103.7052343°W NMSP EAST (FT) N = 435477.84 E = 735627.83 SE CORNER SEC. 20 LAT. = 32.1957312°N LONG. = 103.6881767°W NMSP EAST (FT) N = 435540.67 E = 740904.17 NE CORNER SEC. 20 LAT. = 32.2102463°N LONG. = 103.6882040°W NMSP EAST (FT) N = 440820.46 E = 740864.04 E O CORNER SEC. 20 LAT. = 32.2029993°N LONG. = 103.6881898°W NMSP EAST (FT) N = 438184.10 E = 740884.26 BOTTOM OF HOLE LAT. = 32.1965859°N LONG. = 103.6988386°W NMSP EAST (FT) N = 435831.37 E = 737604.23 S O CORNER SEC. 20 LAT. = 32.1956898°N LONG. = 103.6967212°W NMSP EAST (FT) N = 435509.26 E = 738261.15		" SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual survey made by me or under my supervision and that the same is true and correct to the best of my belief. APRIL 21, 2015 Date of Survey <i>[Signature]</i> Signature and Seal of Professional Surveyor Certificate Number: FELIMON F. JARAMILLO, PLS 12797 SURVEY NO. 3831

JAN 04 2016

SECTION 20, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
SITE MAP

NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE



010 50 100 200

SCALE 1" = 100'
DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF STATE HIGHWAY 128 AND BUCK JACKSON ROAD GO SOUTHWEST ON BUCK JACKSON ROAD 0.43 MILE TO CALICHE LEASE ROAD, WEST OF CALICHE PIT ON LEFT, GO SOUTH ON CALICHE LEASE ROAD 1.45 MILES TO EXISTING 2-TRACK ROAD ON LEFT, GO EAST ON 2-TRACK ROAD ALONG THE SOUTH SIDE OF THE NORTH LINE OF SECTION 19, 1.0 MILE TO THE NORTHEAST CORNER OF SECTION 19, FOLLOW PROPOSED FLAGGED ROAD LINE ALONG THE SOUTH SIDE OF THE NORTH LINE OF SECTION 20, GO EAST 0.32 MILE TO NORTHWEST CORNER OF PAD.

DEVON ENERGY PRODUCTION COMPANY, L.P.

REBEL "20" FED 2H

LOCATED 250 FT. FROM THE NORTH LINE

AND 1930 FT. FROM THE WEST LINE OF

SECTION 20, TOWNSHIP 24 SOUTH,

RANGE 32 EAST, N.M.P.M.

LEA COUNTY, STATE OF NEW MEXICO

APRIL 21, 2015

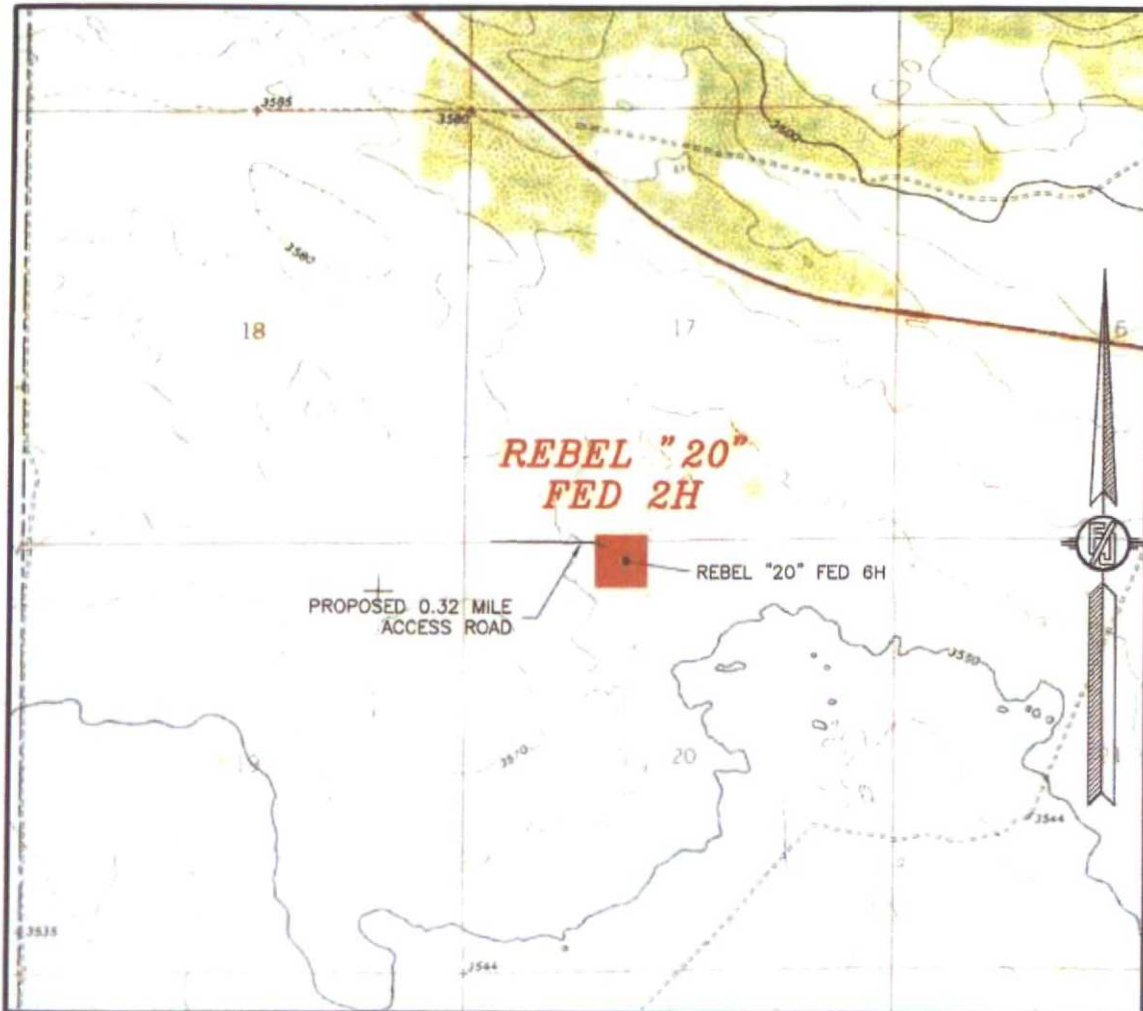
SURVEY NO. 3831

MADRON SURVEYING, INC.

301 SOUTH CANAL
(575) 234-3341

CARLSBAD, NEW MEXICO

SECTION 20, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
LOCATION VERIFICATION MAP



USGS QUAD MAP:
PADUCA BREAKS NW

NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.

REBEL "20" FED 2H

LOCATED 250 FT. FROM THE NORTH LINE
AND 1930 FT. FROM THE WEST LINE OF
SECTION 20, TOWNSHIP 24 SOUTH,
RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

APRIL 21, 2015

SURVEY NO. 3831

MADRON SURVEYING, INC. 301 SOUTH CANAL CARLSBAD, NEW MEXICO
(575) 234 3341

SECTION 20, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
VICINITY MAP



DISTANCES IN MILES

NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.

REBEL "20" FED 2H

LOCATED 250 FT. FROM THE NORTH LINE
AND 1930 FT. FROM THE WEST LINE OF

SECTION 20, TOWNSHIP 24 SOUTH,

RANGE 32 EAST, N.M.P.M.

LEA COUNTY, STATE OF NEW MEXICO

DIRECTIONS TO LOCATION

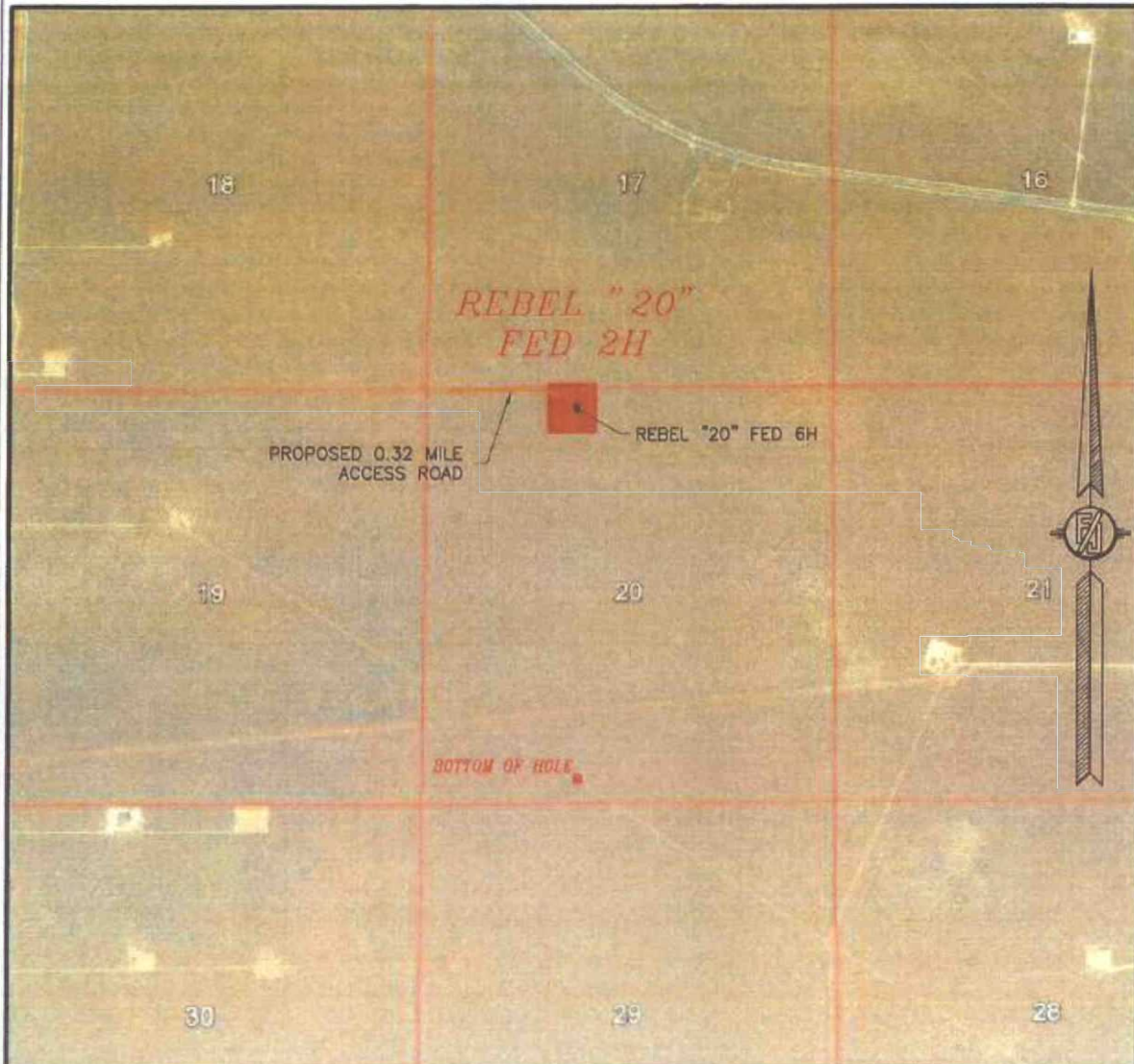
FROM THE INTERSECTION OF STATE HIGHWAY 128 AND BUCK JACKSON ROAD GO SOUTHWEST ON BUCK JACKSON ROAD 0.43 MILE TO CALICHE LEASE ROAD, WEST OF CALICHE PIT ON LEFT, GO SOUTH ON CALICHE LEASE ROAD 1.45 MILES TO EXISTING 2-TRACK ROAD ON LEFT, GO EAST ON 2-TRACK ROAD ALONG THE SOUTH SIDE OF THE NORTH LINE OF SECTION 19, 1.0 MILE TO THE NORTHEAST CORNER OF SECTION 19, FOLLOW PROPOSED FLAGGED ROAD LINE ALONG THE SOUTH SIDE OF THE NORTH LINE OF SECTION 20, GO EAST 0.32 MILE TO NORTHWEST CORNER OF PAD.

APRIL 21, 2015

SURVEY NO. 3831

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 20, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
AERIAL PHOTO



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
FEBRUARY 2014

DEVON ENERGY PRODUCTION COMPANY, L.P.

REBEL "20" FED 2H

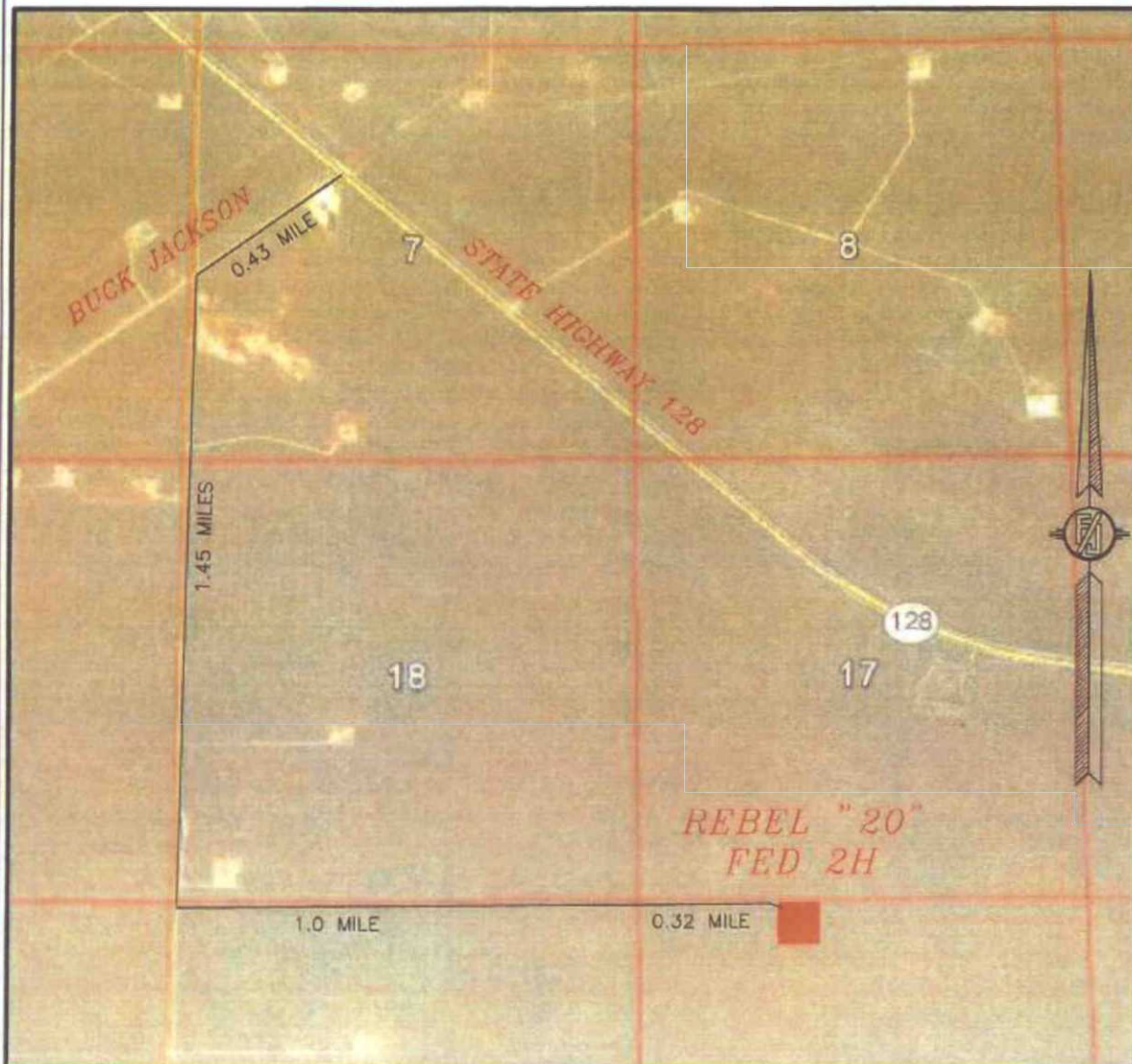
LOCATED 250 FT. FROM THE NORTH LINE
AND 1930 FT. FROM THE WEST LINE OF
SECTION 20, TOWNSHIP 24 SOUTH,
RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

APRIL 21, 2015

SURVEY NO. 3831

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 20, TOWNSHIP 24 SOUTH, RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO
ACCESS AERIAL ROUTE MAP



NOT TO SCALE
AERIAL PHOTO:
GOOGLE EARTH
FEBRUARY 2014

DEVON ENERGY PRODUCTION COMPANY, L.P.

REBEL "20" FED 2H

LOCATED 250 FT. FROM THE NORTH LINE
AND 1930 FT. FROM THE WEST LINE OF
SECTION 20, TOWNSHIP 24 SOUTH,
RANGE 32 EAST, N.M.P.M.
LEA COUNTY, STATE OF NEW MEXICO

APRIL 21, 2015

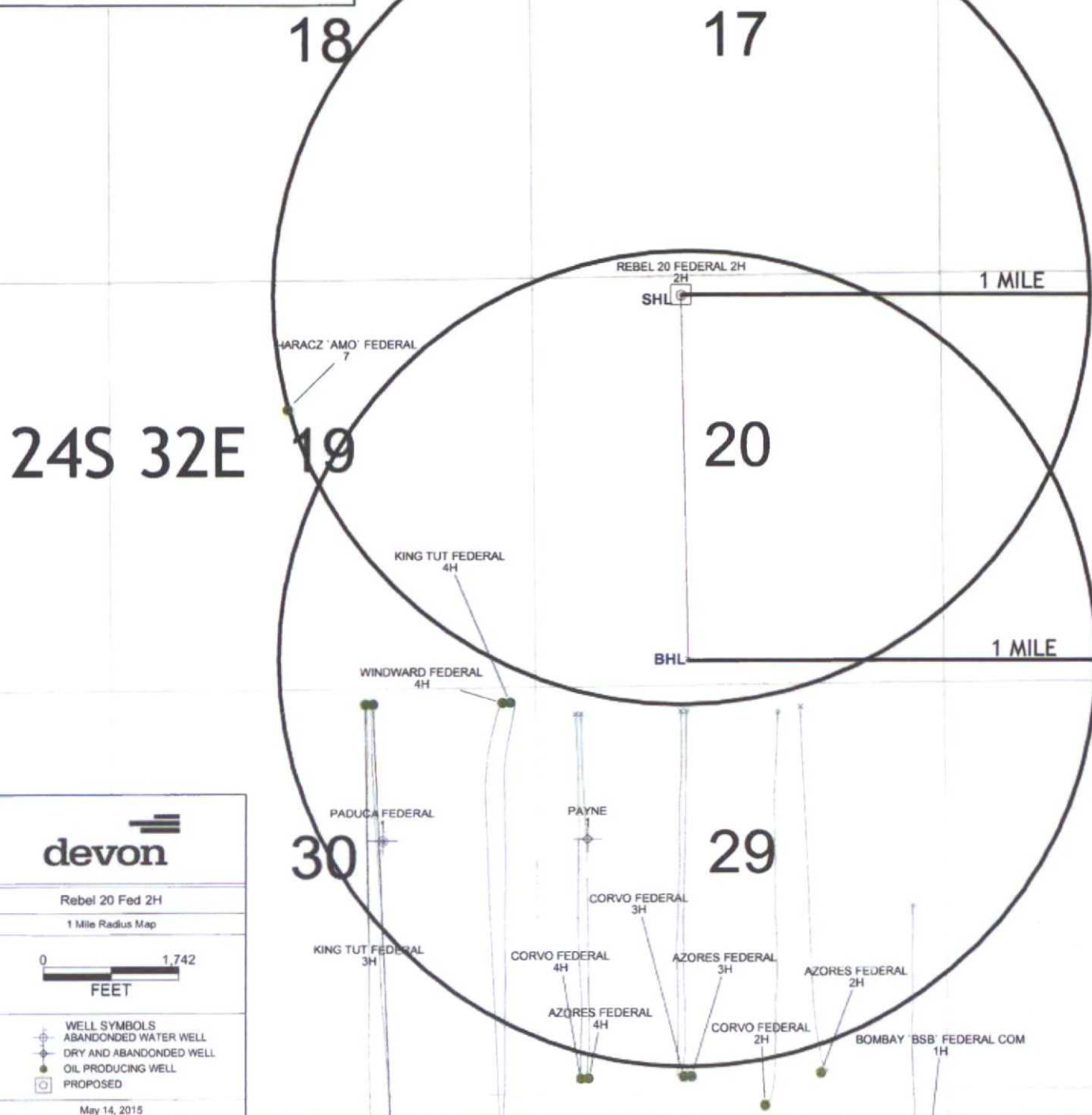
SURVEY NO. 3831

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

One Mile Radius Map

Estimated distances to nearest wellbores:

*From SHL: Haracz AMO Federal 7 5290 ft WSW
Corvo Federal 3H 660 ft SSW
*From BHL: Azores Federal 3H 650 ft S





Dogleg Severity Unit: °/100,000'		Plan Point Position:				Position offsets from Slot centre			
MD	Inc	Az	TWD	N/E/W	Morthing	Easting	Usec	DLS	(DLSU)
(°)	(°)	(°)	(USF)	(USF)	(USF)	(USF)	(USF)	(USF)	(USF)
0.00	0.00	0.00	0.00	0.00	0.00	448235.45	373511.90	0.00	0.00
7831.05	0.00	0.00	7831.05	0.00	0.00	448235.45	373511.90	0.00	0.00
8728.28	89.72	178.88	8404.00	-570.08	11.23	435965.37	373523.09	570.10	10.00
82865.13	89.72	178.88	8424.00	-4704.08	92.33	43581.37	373604.23	4784.99	0.00

Slot: Rebel 20 Fed 2H

Offset is from Site centre
+N/-S: 0.00USft Latitude: 32°12'34.3"
+E/-W: 0.00USft Longitude: -103°41'56.6"
Elevation Above VRO: 3564.00USft

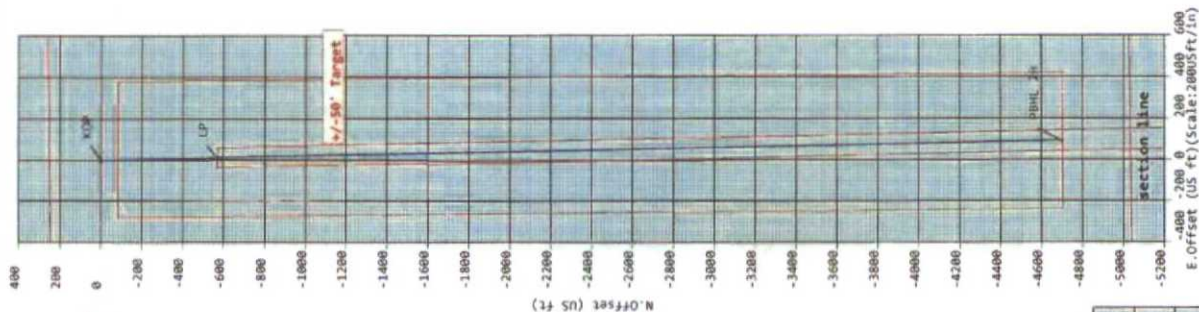
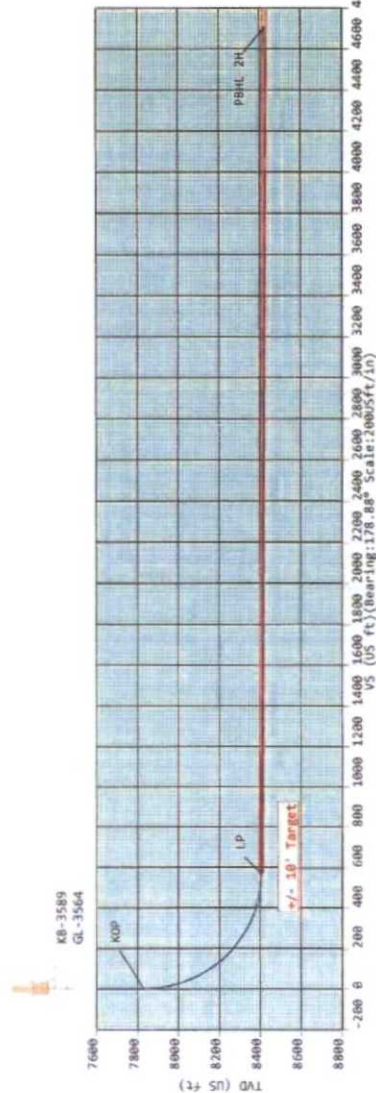
Target Set Information:

Name: H00E.20 Feb 21					
Position offsets from Slot centre					
Name	TVD (USft.)	+N/-S +E/-W (USft.)(USft.)	Northing (USft.)	Eastng (USft.)	Shape Comment
HL 2H	8424.00	-4704.00 92.33	435833.37	737604.23	Cuboid

Call: Kotel 20 Fed 2M

Plan Folder: P1 Plan: P1V1
File Number:
Vertical Section: Position offset of origin from S101 centre
+N/-S: 0.0005ft Azimuth: 179.88°
+E/-W: 0.0005ft
Magnetic Parameters:
Field Strength: Declination: Dip: Date:
48234(N) 7.33 66.18° 2015-07-25
860H

Rebel 20 Fed 2H



Sign Off: Russell Joyner

5D Plan Report

Devon Energy

Field Name: *Lea Co, NM Nad 83 NMEZ*

Site Name: *Rebel 20 Fed 2H*

Well Name: *Rebel 20 Fed 2H*

Plan: *P1:V1*

21 May 2015



Rebel 20 Fed 2H

Field Name Lea Co, NM Nad 83 NMEZ	Map Units : US ft		Company Name : Devon Energy	
	Vertical Reference Datum (VRD) : Mean Sea Level			
	Projected Coordinate System : NAD83 / New Mexico East (ftUS)			
	Comment :			
Site Name Rebel 20 Fed 2H	Units : US ft	North Reference : Grid	Convergence Angle : 0.34	
	Position	Northing : 440535.45 US ft	Latitude : 32° 12' 34.26"	
		Easting : 737511.90 US ft	Longitude : -103° 41' 56.57"	
	Elevation above Mean Sea Level:3564.00 US ft			
Comment :				
Slot Name Rebel 20 Fed 2H	Position (Offsets relative to Site Centre)			
	+N / -S : 0.00 US ft	Northing :440535.45 US ft	Latitude : 32°12'34.26"	
	+E / -W : 0.00 US ft	Easting :737511.90 US ft	Longitude : -103°41'56.57"	
	Slot TVD Reference : Ground Elevation			
Elevation above Mean Sea Level : 3564.00 US ft				
Comment :				
Well Name Rebel 20 Fed 2H	Type : Main well		UWI :	Plan : P1:V1
	Rig Height <i>Kelly Bushing</i> : 25.00 US ft		Comment :	
	Relative to Mean Sea Level: 3589.00 US ft			
	Closure Distance : 4704.99 US ft		Closure Azimuth : 178.876°	
	Vertical Section (Position of Origin Relative to Slot)			
	+N / -S : 0.00 US ft		+E / -W : 0.00 US ft	Az :178.88°
	Magnetic Parameters			
Model : BGGM		Field Strength : 48214.6nT	Dec : 7.33°	Dip : 60.10°
Date : 15/Jul/2015				

Target Set

Name : Rebel 20 Fed 2H		Number of Targets : 1	
Comment :			
Target Name:	Position (Relative to Slot centre)		
PBHL 2H	+N / -S : -4704.08US ft	Northing : 435831.37 US ft	Latitude : 32°11'47.71"
	+E / -W : 92.33 US ft	Easting : 737604.23US ft	Longitude : -103°41'55.82"
Shape:	TVD (Kelly Bushing) : 8424.00 US ft		
Cuboid	Orientation	Azimuth : 178.88°	Inclination : -0.28°
	Dimensions	Length : 8268.00 US ft	Breadth : 100.00 US ft
			Height : 20.00 US ft

Well path created using minimum curvature

Sallent Points (Relative to Slot centre, TVD relative to Kelly Bushing)											
SD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	B.Rate (°/100 US ft)	T.Rate (°/100 US ft)	T.Face (°)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	-0.00	0.00	0.00	0.00	0.00	

SD Plan Report

Salient Points (Relative to Slot centre, TVD relative to Kelly Bushing)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	B.Rate (°/100 US ft)	T.Rate (°/100 US ft)	T.Face (°)	Comment
7831.05	0.00	0.00	7831.05	0.00	0.00	-0.00	0.00	0.00	0.00	0.00	KOP
8728.28	89.72	178.88	8404.00	-570.08	11.19	570.19	10.00	10.00	0.00	178.88	LP
12863.13	89.72	178.88	8424.00	-4704.08	92.33	4704.99	0.00	0.00	0.00	0.00	PBHL 2H

Interpolated Points (Relative to Slot centre, TVD relative to Kelly Bushing)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (%/100 US ft)	Northing (US ft)	Easting (US ft)	Comment
7800.00	0.00	0.00	7800.00	0.00	0.00	-0.00	0.00	440535.45	737511.90	
7831.05	0.00	0.00	7831.05	0.00	0.00	-0.00	0.00	440535.45	737511.90	KOP
7900.00	6.89	178.88	7899.83	-4.14	0.08	4.14	10.00	440531.31	737511.98	
8000.00	16.89	178.88	7997.56	-24.72	0.49	24.73	10.00	440510.73	737512.39	
8100.00	26.89	178.88	8090.23	-61.96	1.22	61.97	10.00	440473.49	737513.12	
8200.00	36.89	178.88	8175.03	-114.72	2.25	114.74	10.00	440420.73	737514.15	
8300.00	46.89	178.88	8249.37	-181.40	3.56	181.43	10.00	440354.05	737515.46	
8400.00	56.89	178.88	8311.00	-259.97	5.10	260.02	10.00	440275.48	737517.00	
8500.00	66.89	178.88	8358.05	-348.05	6.83	348.12	10.00	440187.40	737518.73	
8600.00	76.89	178.88	8389.09	-442.96	8.69	443.05	10.00	440092.49	737520.59	
8700.00	86.89	178.88	8403.17	-541.82	10.63	541.92	10.00	439993.63	737522.53	
8728.28	89.72	178.88	8404.00	-570.08	11.19	570.19	10.00	439965.37	737523.09	LP
8800.00	89.72	178.88	8404.35	-641.78	12.60	641.91	0.00	439893.67	737524.50	
8900.00	89.72	178.88	8404.83	-741.76	14.56	741.91	0.00	439793.69	737526.46	
9000.00	89.72	178.88	8405.32	-841.74	16.52	841.90	0.00	439693.71	737528.42	
9100.00	89.72	178.88	8405.80	-941.72	18.48	941.90	0.00	439593.73	737530.38	
9200.00	89.72	178.88	8406.28	-1041.70	20.45	1041.90	0.00	439493.75	737532.35	
9300.00	89.72	178.88	8406.77	-1141.68	22.41	1141.90	0.00	439393.77	737534.31	
9400.00	89.72	178.88	8407.25	-1241.66	24.37	1241.90	0.00	439293.79	737536.27	
9500.00	89.72	178.88	8407.73	-1341.64	26.33	1341.90	0.00	439193.81	737538.23	
9600.00	89.72	178.88	8408.22	-1441.62	28.30	1441.90	0.00	439093.83	737540.20	
9700.00	89.72	178.88	8408.70	-1541.60	30.26	1541.90	0.00	438993.85	737542.16	
9800.00	89.72	178.88	8409.18	-1641.58	32.22	1641.90	0.00	438893.87	737544.12	
9900.00	89.72	178.88	8409.67	-1741.56	34.18	1741.89	0.00	438793.89	737546.08	
10000.00	89.72	178.88	8410.15	-1841.54	36.15	1841.89	0.00	438693.91	737548.05	
10100.00	89.72	178.88	8410.64	-1941.52	38.11	1941.89	0.00	438593.93	737550.01	
10200.00	89.72	178.88	8411.12	-2041.50	40.07	2041.89	0.00	438493.95	737551.97	
10300.00	89.72	178.88	8411.60	-2141.48	42.03	2141.89	0.00	438393.97	737553.93	
10400.00	89.72	178.88	8412.09	-2241.46	43.99	2241.89	0.00	438293.99	737555.89	
10500.00	89.72	178.88	8412.57	-2341.44	45.96	2341.89	0.00	438194.01	737557.86	
10600.00	89.72	178.88	8413.05	-2441.42	47.92	2441.89	0.00	438094.03	737559.82	
10700.00	89.72	178.88	8413.54	-2541.40	49.88	2541.88	0.00	437994.05	737561.78	
10800.00	89.72	178.88	8414.02	-2641.37	51.84	2641.88	0.00	437894.08	737563.74	
10900.00	89.72	178.88	8414.50	-2741.35	53.81	2741.88	0.00	437794.10	737565.71	
11000.00	89.72	178.88	8414.99	-2841.33	55.77	2841.88	0.00	437694.12	737567.67	
11100.00	89.72	178.88	8415.47	-2941.31	57.73	2941.88	0.00	437594.14	737569.63	
11200.00	89.72	178.88	8415.96	-3041.29	59.69	3041.88	0.00	437494.16	737571.59	
11300.00	89.72	178.88	8416.44	-3141.27	61.66	3141.88	0.00	437394.18	737573.56	
11400.00	89.72	178.88	8416.92	-3241.25	63.62	3241.88	0.00	437294.20	737575.52	
11500.00	89.72	178.88	8417.41	-3341.23	65.58	3341.88	0.00	437194.22	737577.48	
11600.00	89.72	178.88	8417.89	-3441.21	67.54	3441.87	0.00	437094.24	737579.44	
11700.00	89.72	178.88	8418.37	-3541.19	69.51	3541.87	0.00	436994.26	737581.41	
11800.00	89.72	178.88	8418.86	-3641.17	71.47	3641.87	0.00	436894.28	737583.37	
11900.00	89.72	178.88	8419.34	-3741.15	73.43	3741.87	0.00	436794.30	737585.33	
12000.00	89.72	178.88	8419.83	-3841.13	75.39	3841.87	0.00	436694.32	737587.29	
12100.00	89.72	178.88	8420.31	-3941.11	77.35	3941.87	0.00	436594.34	737589.25	
12200.00	89.72	178.88	8420.79	-4041.09	79.32	4041.87	0.00	436494.36	737591.22	
12300.00	89.72	178.88	8421.28	-4141.07	81.28	4141.87	0.00	436394.38	737593.18	
12400.00	89.72	178.88	8421.76	-4241.05	83.24	4241.86	0.00	436294.40	737595.14	
12500.00	89.72	178.88	8422.24	-4341.03	85.20	4341.86	0.00	436194.42	737597.10	
12600.00	89.72	178.88	8422.73	-4441.01	87.17	4441.86	0.00	436094.44	737599.07	
12700.00	89.72	178.88	8423.21	-4540.99	89.13	4541.86	0.00	435994.46	737601.03	

5D Plan Report

Interpolated Points (Relative to Slot centre, TVD relative to Kelly Bushing)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (%/100 US ft)	Northing (US ft)	Easting (US ft)	Comment
12800.00	89.72	178.88	8423.69	-4640.97	91.09	4641.86	0.00	435894.46	737602.99	
12863.13	89.72	178.88	8424.00	-4704.08	92.33	4704.99	0.00	435831.37	737604.23	PBHL 2H