

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

PARALLEL PETROLEUM CORPORATION

3a. Address

1004 N BIG SPRING, MIDLAND, TX 79701

3b. Phone No. (include area code)

432-685-6563

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SL: 560 FSL & 1880 FEL

EHL: 660 FNL & 1880 FEL SEC 1, T19S, R21E

5. Lease Serial No.

NM NM 98791

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

MATCH BOX FEDERAL

9. API Well No.

30-015-34640

10. Field and Pool, or Exploratory Area

HOPE, PENN, SOUTH

11. County or Parish, State

EDDY

NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	<u>SURVEYS</u>
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

04-11-2006:

SCIENTIFIC DRILLING RAN SURVEY REPORT (3 PAGES)

04-16-2006:

PATHFINDER MAD SURVEY RAN (5 PAGES)

14. I hereby certify that the foregoing is true and correct.
Name (Printed/Typed)

KAYE MC CORMICK

Title

SR PROD & REG TECH

Date

08-02-2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

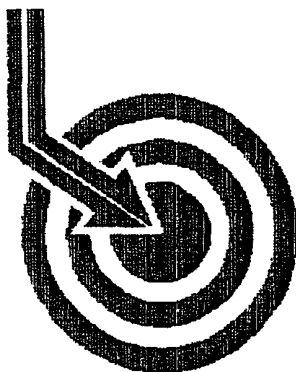
Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



Scientific Drilling

PARALLEL PETROLEUM

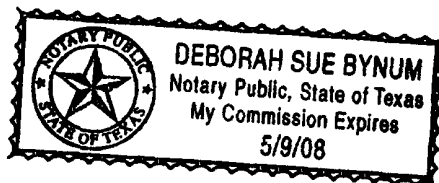
Field: Hope
Site: Eddy County, NM
Well: Match Box Fed #1
Wellpath: VH - Job #32K0406290
Survey: 04/11/06

This survey is correct to the best of my knowledge
and is supported by actual field data.

[Signature].....Company Representative

Notorized this date 18th of April, 2006.

Deborah Sue Bynum
Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International Survey Report

Company: PARALLEL PETROLEUM
Field: Hope
Site: Eddy County, NM
Well: Match Box Fed #1
Wellpath: VH - Job #32K0406290

Date: 04/11/2006 Time: 14:58:25 Page: 1
Co-ordinate(NE) Reference: Well: Match Box Fed #1, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,233.87Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 04/11/06
KSRG 0'-4490

Start Date: 04/11/2006

Company: Scientific Drilling Internatio
Tool: Keeper;Keeper Gyro

Engineer: Gonzales w/Gray
Tied-to: From Surface

Survey

MD ft	Incl deg	Azlm deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	Chd ft	ChA deg
0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	1.74	164.33	99.98	0.54	-1.46	0.41	1.74	1.52	164.33
200.00	1.81	149.34	199.94	1.23	-4.28	1.63	0.47	4.58	159.21
300.00	2.15	154.70	299.88	1.74	-7.34	3.23	0.39	8.02	156.22
400.00	1.97	158.18	399.81	2.53	-10.63	4.67	0.22	11.61	156.27
500.00	1.80	181.14	499.76	3.92	-13.79	5.28	0.77	14.77	159.05
600.00	1.31	189.95	599.72	5.70	-16.49	5.05	0.54	17.25	162.97
700.00	1.06	206.30	699.70	7.35	-18.45	4.44	0.42	18.97	166.45
800.00	0.98	224.05	799.69	9.01	-19.89	3.44	0.32	20.18	170.19
900.00	1.39	250.46	899.67	11.02	-20.91	1.70	0.67	20.98	175.35
1000.00	2.03	252.60	999.62	13.85	-21.84	-1.13	0.64	21.87	182.96
1100.00	2.09	251.17	1099.56	17.27	-22.96	-4.55	0.08	23.41	191.20
1200.00	1.91	262.07	1199.50	20.47	-23.78	-7.92	0.42	25.07	196.43
1300.00	1.73	261.83	1299.44	23.27	-24.23	-11.07	0.18	26.63	204.55
1400.00	1.46	260.66	1399.41	25.74	-24.65	-13.82	0.27	28.26	209.28
1500.00	1.39	258.93	1499.37	27.97	-25.09	-16.27	0.08	29.90	212.96
1600.00	1.11	257.50	1599.35	29.95	-25.53	-18.40	0.28	31.47	215.79
1700.00	1.00	255.21	1699.33	31.65	-25.96	-20.19	0.12	32.89	217.87
1800.00	1.09	254.29	1799.32	33.35	-26.44	-21.95	0.09	34.37	219.70
1900.00	1.02	255.09	1899.30	35.07	-26.93	-23.73	0.07	35.89	221.38
2000.00	1.05	253.48	1999.28	36.76	-27.42	-25.47	0.04	37.42	222.89
2100.00	1.16	249.83	2099.27	38.59	-28.03	-27.29	0.13	39.12	224.24
2200.00	0.84	245.50	2199.25	40.28	-28.68	-28.91	0.33	40.72	225.23
2300.00	1.24	229.48	2299.23	42.08	-29.69	-30.40	0.49	42.49	225.68
2400.00	0.56	249.40	2399.22	43.63	-30.56	-31.68	0.74	44.02	226.03
2500.00	0.34	238.16	2499.22	44.40	-30.89	-32.39	0.24	44.76	226.36
2600.00	0.37	246.15	2599.22	45.01	-31.18	-32.94	0.06	45.35	226.57
2700.00	0.44	241.04	2699.21	45.70	-31.49	-33.57	0.08	46.03	226.83
2800.00	0.57	240.47	2799.21	46.58	-31.93	-34.34	0.13	46.89	227.08
2900.00	0.38	247.63	2899.21	47.39	-32.30	-35.08	0.20	47.68	227.36
3000.00	0.49	240.46	2999.20	48.14	-32.63	-35.76	0.12	48.41	227.61
3100.00	0.44	256.70	3099.20	48.92	-32.93	-36.50	0.14	49.16	227.94
3200.00	0.41	248.78	3199.20	49.62	-33.15	-37.21	0.07	49.83	228.30
3300.00	0.21	238.00	3299.20	50.14	-33.38	-37.70	0.21	50.35	228.48
3400.00	0.11	219.24	3399.20	50.42	-33.55	-37.91	0.11	50.63	228.49
3500.00	0.18	223.51	3499.19	50.67	-33.74	-38.08	0.07	50.88	228.46
3600.00	0.20	315.45	3599.19	50.85	-33.73	-38.31	0.27	51.04	228.64
3700.00	0.16	311.44	3699.19	50.90	-33.51	-38.54	0.04	51.07	228.99
3800.00	0.46	33.34	3799.19	50.55	-33.08	-38.42	0.47	50.70	229.27
3900.00	0.72	37.08	3899.19	49.58	-32.25	-37.82	0.26	49.70	229.55
4000.00	0.47	32.77	3999.18	48.59	-31.40	-37.22	0.25	48.70	229.85
4100.00	0.72	35.74	4099.18	47.61	-30.54	-36.63	0.25	47.70	230.18
4200.00	0.85	31.14	4199.17	46.33	-29.40	-35.88	0.14	46.39	230.67
4300.00	0.62	26.56	4299.16	45.16	-28.28	-35.26	0.24	45.20	231.27
4400.00	1.04	359.83	4399.15	44.14	-26.89	-35.02	0.56	44.15	232.48
4490.00	0.61	21.60	4489.14	43.25	-25.63	-34.85	0.58	43.25	233.67



Scientific
Drilling

Field: Hope
Site: Eddy County, NM
Well: Match Box Fed #1
Wellpath: VH - Job #32K0406290
Survey: 04/11/06

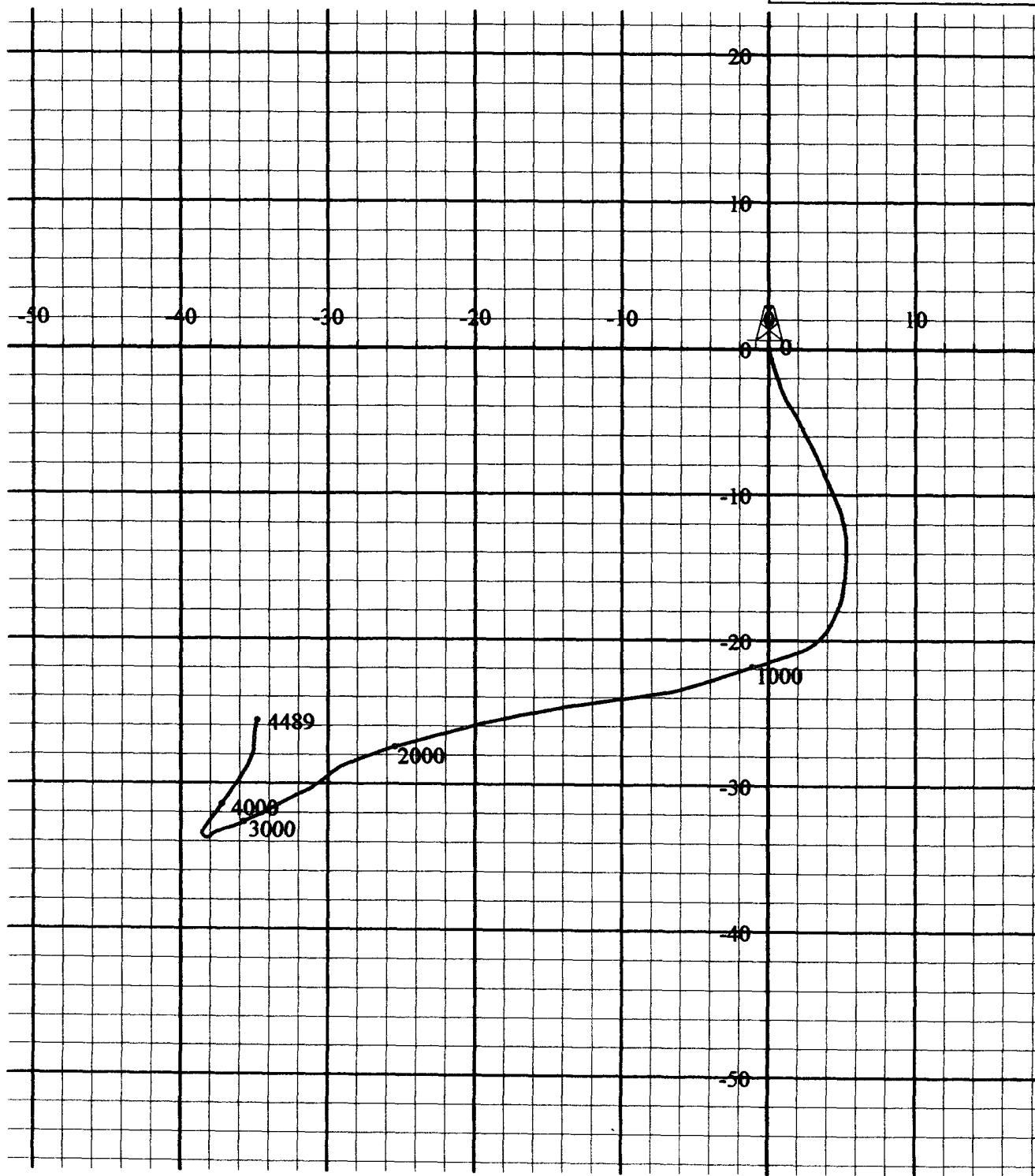


Azimuths to Grid North
True North: 0.22°
Magnetic North: 0.22°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 04/11/2006
Model: igrf2000

West(-)/East(+) [10ft/in]

South(-)/North(+) [10ft/in]



Company: Parallel Petroleum Corp.

Field: Matchbox

Site Name: Matchbox f Mag Dec.Corr. +8.98 EAST TO GRID

Well Name: Matchbox Fed No. 1

Wellpath Name: Original Hole AFE / OCS: Wolfcamp Horizontal

Survey Name: Pathfinder MWD Survey Date: 4/16/2006 Survey Type: 100 - 3963 Gyro Survey :

3998 - 8305 Pathfinder MWD Survey :

Depth Units: ft

SURFACE LOCATION

Site Northing 612680.9

Site Easting 373436.7

BOTTOM HOLE LOCATION

BHL MD 8305

BHL TVD 4403.99

WELL INFORMATION

Well Northing: 612680.9

Well Easting: 373436.7

Rig K.B: 0

Vsec Angle: 0.15

Vsec North: 0

Vsec East: 0

SURVEY LIST

MD	INC	AZI	TVD	NS	EW	VSEC	DLS	Northing	Easting	Latitude	Longitude
0	0	0	0.22	0	0	0	0	612680.9	373436.7	32°41'01.265N	104°44'40.881W
100	1.74	164.33		99.98	-1.46	0.41	-1.46	612679.44	373437.11	32°41'01.250N	104°44'40.876W
200	1.81	149.34		199.94	-4.28	1.63	-4.28	612676.62	373438.33	32°41'01.223N	104°44'40.861W
300	2.15	154.7		299.88	-7.34	3.23	-7.33	612673.56	373439.93	32°41'01.192N	104°44'40.842W

400	1.97	158.18	399.81	-10.63	4.67	-10.62	0.22	612670.27	373441.37	32°41'01.160N	104°44'40.825W
500	1.8	181.14	499.76	-13.79	5.28	-13.78	0.77	612667.11	373441.98	32°41'01.129N	104°44'40.818W
600	1.31	189.95	599.72	-16.49	5.05	-16.48	0.54	612664.41	373441.75	32°41'01.102N	104°44'40.821W
700	1.06	206.3	699.7	-18.45	4.44	-18.43	0.42	612662.45	373441.14	32°41'01.083N	104°44'40.828W
800	0.98	224.05	799.69	-19.89	3.44	-19.88	0.32	612661.01	373440.14	32°41'01.068N	104°44'40.839W
900	1.39	250.46	899.67	-20.91	1.7	-20.9	0.67	612659.99	373438.4	32°41'01.058N	104°44'40.860W
1000	2.03	252.6	999.62	-21.84	-1.13	-21.85	0.64	612659.06	373435.57	32°41'01.049N	104°44'40.893W
1100	2.09	251.17	1099.56	-22.96	-4.55	-22.97	0.08	612657.94	373432.15	32°41'01.038N	104°44'40.933W
1200	1.91	262.07	1199.5	-23.78	-7.92	-23.8	0.42	612657.12	373428.78	32°41'01.029N	104°44'40.972W
1300	1.73	261.83	1299.44	-24.23	-11.07	-24.25	0.18	612656.67	373425.63	32°41'01.025N	104°44'41.009W
1400	1.46	260.66	1399.41	-24.65	-13.82	-24.68	0.27	612656.25	373422.88	32°41'01.020N	104°44'41.041W
1500	1.39	258.93	1499.37	-25.09	-16.27	-25.13	0.08	612655.81	373420.43	32°41'01.016N	104°44'41.070W
1600	1.11	257.5	1599.35	-25.53	-18.4	-25.58	0.28	612655.37	373418.3	32°41'01.012N	104°44'41.095W
1700	1	255.21	1699.33	-25.96	-20.19	-26.01	0.12	612654.94	373416.51	32°41'01.007N	104°44'41.116W
1800	1.09	254.29	1799.32	-26.44	-21.95	-26.5	0.09	612654.46	373414.75	32°41'01.002N	104°44'41.136W
1900	1.02	255.09	1899.3	-26.93	-23.73	-26.99	0.07	612653.97	373412.97	32°41'00.998N	104°44'41.157W
2000	1.05	253.48	1999.28	-27.42	-25.47	-27.48	0.04	612653.48	373411.23	32°41'00.993N	104°44'41.177W
2100	1.16	249.83	2099.27	-28.03	-27.29	-28.1	0.13	612652.87	373409.41	32°41'00.987N	104°44'41.199W
2200	0.84	245.5	2199.25	-28.68	-28.91	-28.76	0.33	612652.22	373407.79	32°41'00.980N	104°44'41.218W
2300	1.24	229.48	2299.23	-29.69	-30.4	-29.77	0.49	612651.21	373406.3	32°41'00.970N	104°44'41.235W
2400	0.56	249.4	2399.22	-30.56	-31.68	-30.65	0.74	612650.34	373405.02	32°41'00.961N	104°44'41.250W
2500	0.34	238.16	2499.22	-30.89	-32.39	-30.98	0.24	612650.01	373404.31	32°41'00.958N	104°44'41.258W
2600	0.37	246.15	2599.22	-31.18	-32.94	-31.26	0.06	612649.72	373403.76	32°41'00.955N	104°44'41.265W
2700	0.44	241.04	2699.21	-31.49	-33.57	-31.58	0.08	612649.41	373403.13	32°41'00.952N	104°44'41.272W
2800	0.57	240.47	2799.21	-31.93	-34.34	-32.02	0.13	612648.97	373402.36	32°41'00.948N	104°44'41.281W
2900	0.38	247.63	2899.21	-32.3	-35.08	-32.39	0.2	612648.6	373401.62	32°41'00.944N	104°44'41.290W
3000	0.49	240.46	2999.2	-32.63	-35.76	-32.73	0.12	612648.27	373400.94	32°41'00.941N	104°44'41.297W
3100	0.44	256.7	3099.2	-32.93	-36.5	-33.03	0.14	612647.97	373400.2	32°41'00.938N	104°44'41.306W
3200	0.41	248.78	3199.2	-33.15	-37.21	-33.25	0.07	612647.75	373399.49	32°41'00.935N	104°44'41.314W
3300	0.21	238	3299.2	-33.38	-37.7	-33.48	0.21	612647.52	373399	32°41'00.933N	104°44'41.320W
3400	0.11	219.24	3399.2	-33.55	-37.91	-33.65	0.11	612647.35	373398.79	32°41'00.931N	104°44'41.323W
3500	0.18	223.51	3499.19	-33.74	-38.08	-33.84	0.07	612647.16	373398.62	32°41'00.930N	104°44'41.325W

3600	0.2	315.45	3599.19	-33.73	-38.31	-33.83	0.27	612647.17	373398.39	32°41'00.930N	104°44'41.327W
3700	0.16	311.44	3699.19	-33.51	-38.54	-33.61	0.04	612647.39	373398.16	32°41'00.932N	104°44'41.330W
3800	0.46	33.34	3799.19	-33.08	-38.42	-33.18	0.47	612647.82	373398.28	32°41'00.936N	104°44'41.329W
3900	0.72	37.08	3899.19	-32.25	-37.82	-32.34	0.26	612648.65	373398.88	32°41'00.944N	104°44'41.322W
3963	0.56	34.81	3962.18	-31.68	-37.41	-31.77	0.25	612649.22	373399.29	32°41'00.950N	104°44'41.317W
3998	4.47	5.46	3997.14	-30.18	-37.18	-30.27	11.4	612650.72	373399.52	32°41'00.965N	104°44'41.314W
4030	8.18	12.32	4028.94	-26.71	-36.58	-26.81	11.81	612654.19	373400.12	32°41'00.999N	104°44'41.307W
4062	11.96	12.5	4060.44	-21.25	-35.37	-21.34	11.81	612659.65	373401.33	32°41'01.053N	104°44'41.293W
4094	16.27	13.2	4091.47	-13.64	-33.63	-13.73	13.48	612667.26	373403.07	32°41'01.129N	104°44'41.273W
4125	20.75	12.23	4120.86	-4.04	-31.48	-4.13	14.49	612676.86	373405.22	32°41'01.224N	104°44'41.249W
4157	25.68	11.35	4150.26	8.3	-28.91	8.23	15.44	612689.2	373407.79	32°41'01.346N	104°44'41.219W
4190	31.22	8.63	4179.27	23.78	-26.22	23.71	17.24	612704.68	373410.48	32°41'01.499N	104°44'41.188W
4221	35.35	5.03	4205.18	40.67	-24.22	40.6	14.76	612721.57	373412.48	32°41'01.666N	104°44'41.166W
4254	40.1	2.39	4231.27	60.81	-22.94	60.75	15.2	612741.71	373413.76	32°41'01.866N	104°44'41.152W
4286	45.29	1.16	4254.78	82.49	-22.28	82.43	16.43	612763.39	373414.42	32°41'02.080N	104°44'41.145W
4322	50.3	1.42	4278.96	109.14	-21.68	109.08	13.93	612790.04	373415.02	32°41'02.344N	104°44'41.139W
4353	54.17	0.98	4297.94	133.64	-21.17	133.58	12.53	612814.54	373415.53	32°41'02.586N	104°44'41.134W
4386	57.33	0.37	4316.51	160.91	-20.85	160.85	9.7	612841.81	373415.85	32°41'02.856N	104°44'41.132W
4418	60.41	359.58	4333.05	188.3	-20.86	188.24	9.85	612869.2	373415.84	32°41'03.127N	104°44'41.133W
4450	64.28	357.2	4347.91	216.62	-21.67	216.56	13.77	612897.52	373415.03	32°41'03.408N	104°44'41.144W
4481	68.24	355.88	4360.38	244.94	-23.39	244.88	13.36	612925.84	373413.31	32°41'03.688N	104°44'41.165W
4512	72.46	355.53	4370.81	274.05	-25.58	273.98	13.65	612954.95	373411.12	32°41'03.976N	104°44'41.192W
4545	75.62	355.18	4379.88	305.67	-28.15	305.59	9.63	612986.57	373408.55	32°41'04.289N	104°44'41.224W
4577	78.52	355.45	4387.04	336.75	-30.69	336.66	9.1	613017.65	373406.01	32°41'04.596N	104°44'41.255W
4609	81.07	356.15	4392.71	368.15	-33	368.07	8.25	613049.05	373403.7	32°41'04.907N	104°44'41.283W
4640	83.62	356.41	4396.84	398.81	-34.99	398.72	8.27	613079.71	373401.71	32°41'05.210N	104°44'41.308W
4672	86.17	356.94	4399.68	430.63	-36.84	430.53	8.14	613111.53	373399.86	32°41'05.525N	104°44'41.331W
4704	88.29	357.2	4401.23	462.54	-38.47	462.44	6.67	613143.44	373398.23	32°41'05.841N	104°44'41.352W
4742	90.22	356.76	4401.72	500.49	-40.47	500.38	5.21	613181.39	373396.23	32°41'06.216N	104°44'41.377W
4774	90.84	358.08	4401.43	532.45	-41.91	532.34	4.56	613213.35	373394.79	32°41'06.532N	104°44'41.395W
4805	90.75	358.35	4401	563.43	-42.88	563.32	0.92	613244.33	373393.82	32°41'06.839N	104°44'41.408W
4838	90.57	1.07	4400.62	596.43	-43.05	596.31	8.26	613277.33	373393.65	32°41'07.165N	104°44'41.411W

4869	90.31	1.77	4400.38	627.42	-42.28	627.31	2.41	613308.32	373394.42	32°41'07.472N	104°44'41.404W
4901	90.13	359.05	4400.26	659.41	-42.05	659.3	8.52	613340.31	373394.65	32°41'07.788N	104°44'41.402W
4964	90.4	359.22	4399.97	722.41	-43	722.29	0.51	613403.31	373393.7	32°41'08.412N	104°44'41.416W
5028	90.13	359.93	4399.67	786.4	-43.48	786.29	1.19	613467.3	373393.22	32°41'09.045N	104°44'41.425W
5092	90.92	0.28	4399.08	850.4	-43.36	850.28	1.35	613531.3	373393.34	32°41'09.678N	104°44'41.426W
5155	91.01	0.63	4398.02	913.39	-42.86	913.27	0.57	613594.29	373393.84	32°41'10.302N	104°44'41.423W
5218	90.66	0.89	4397.1	976.38	-42.02	976.26	0.69	613657.28	373394.68	32°41'10.925N	104°44'41.417W
5282	90.4	1.07	4396.51	1040.36	-40.93	1040.25	0.49	613721.26	373395.77	32°41'11.558N	104°44'41.407W
5346	90.13	1.51	4396.22	1104.35	-39.49	1104.24	0.81	613785.25	373397.21	32°41'12.191N	104°44'41.393W
5410	89.87	2.74	4396.22	1168.3	-37.11	1168.2	1.96	613849.2	373399.59	32°41'12.824N	104°44'41.368W
5506	89.87	0.72	4396.43	1264.25	-34.22	1264.16	2.1	613945.15	373402.48	32°41'13.774N	104°44'41.338W
5538	89.6	0.89	4396.58	1296.25	-33.77	1296.16	1	613977.15	373402.93	32°41'14.091N	104°44'41.334W
5601	89.16	0.98	4397.26	1359.24	-32.74	1359.15	0.71	614040.14	373403.96	32°41'14.714N	104°44'41.325W
5665	88.9	1.07	4398.35	1423.22	-31.59	1423.13	0.43	614104.12	373405.11	32°41'15.347N	104°44'41.315W
5729	89.87	0.72	4399.03	1487.21	-30.59	1487.12	1.61	614168.11	373406.11	32°41'15.980N	104°44'41.306W
5824	90.22	1.6	4398.96	1582.18	-28.67	1582.1	1	614263.08	373408.03	32°41'16.920N	104°44'41.288W
5887	90.04	1.77	4398.82	1645.16	-26.82	1645.08	0.39	614326.06	373409.88	32°41'17.543N	104°44'41.269W
5951	89.87	1.87	4398.87	1709.12	-24.79	1709.05	0.31	614390.02	373411.91	32°41'18.176N	104°44'41.248W
6015	89.78	1.74	4399.06	1773.09	-22.77	1773.03	0.25	614453.99	373413.93	32°41'18.809N	104°44'41.227W
6078	89.04	1.74	4399.71	1836.06	-20.86	1836	1.17	614516.96	373415.84	32°41'19.433N	104°44'41.208W
6141	88.55	1.08	4401.04	1899.03	-19.31	1898.97	1.3	614579.93	373417.39	32°41'20.056N	104°44'41.193W
6204	89.6	1.62	4402.05	1962	-17.82	1961.95	1.87	614642.9	373418.88	32°41'20.679N	104°44'41.178W
6332	90.31	3.53	4402.15	2089.86	-12.07	2089.82	1.59	614770.76	373424.63	32°41'21.944N	104°44'41.117W
6396	90.66	3.18	4401.61	2153.75	-8.33	2153.72	0.77	614834.65	373428.37	32°41'22.577N	104°44'41.076W
6459	89.52	1.77	4401.51	2216.69	-5.61	2216.67	2.88	614897.59	373431.09	32°41'23.200N	104°44'41.047W
6522	89.25	0.81	4402.19	2279.67	-4.19	2279.65	1.58	614960.57	373432.51	32°41'23.823N	104°44'41.033W
6585	89.16	1.07	4403.06	2342.65	-3.16	2342.64	0.44	615023.55	373433.54	32°41'24.446N	104°44'41.024W
6648	89.16	0.98	4403.99	2405.64	-2.03	2405.62	0.14	615086.54	373434.67	32°41'25.070N	104°44'41.013W
6712	89.08	0.89	4404.97	2469.62	-0.98	2469.61	0.19	615150.52	373435.72	32°41'25.703N	104°44'41.004W
6776	90.4	0.63	4405.26	2533.61	-0.14	2533.61	2.1	615214.51	373436.56	32°41'26.336N	104°44'40.997W
6838	90.57	0.37	4404.73	2595.61	0.41	2595.6	0.5	615276.51	373437.11	32°41'26.950N	104°44'40.994W
6902	90.57	0.28	4404.1	2659.61	0.77	2659.6	0.14	615340.51	373437.47	32°41'27.583N	104°44'40.992W

6965	89.43	359.84	4404.1	2722.6	0.83	2722.6	1.94	615403.5	373437.53	32°41'28.206N	104°44'40.994W
7027	89.25	359.66	4404.81	2784.6	0.56	2784.59	0.41	615465.5	373437.26	32°41'28.820N	104°44'41.000W
7089	89.34	359.22	4405.58	2846.59	-0.04	2846.58	0.72	615527.49	373436.66	32°41'29.433N	104°44'41.010W
7153	89.34	359.4	4406.31	2910.58	-0.81	2910.57	0.28	615591.48	373435.89	32°41'30.066N	104°44'41.022W
7217	90.31	359.66	4406.51	2974.58	-1.34	2974.57	1.57	615655.48	373435.36	32°41'30.699N	104°44'41.031W
7280	90.48	359.75	4406.07	3037.58	-1.66	3037.56	0.31	615718.48	373435.04	32°41'31.323N	104°44'41.038W
7344	90.48	359.93	4405.54	3101.57	-1.84	3101.56	0.28	615782.47	373434.86	32°41'31.956N	104°44'41.043W
7408	90.31	359.93	4405.1	3165.57	-1.92	3165.56	0.27	615846.47	373434.78	32°41'32.589N	104°44'41.047W
7471	88.99	0.28	4405.48	3228.57	-1.8	3228.55	2.17	615909.47	373434.9	32°41'33.213N	104°44'41.048W
7534	88.9	0.37	4406.64	3291.56	-1.45	3291.54	0.2	615972.46	373435.25	32°41'33.836N	104°44'41.047W
7598	88.81	0.37	4407.92	3355.54	-1.03	3355.53	0.14	616036.44	373435.67	32°41'34.469N	104°44'41.045W
7662	88.72	0.46	4409.3	3419.53	-0.57	3419.51	0.2	616100.43	373436.13	32°41'35.102N	104°44'41.042W
7726	89.34	359.93	4410.38	3483.52	-0.35	3483.5	1.27	616164.42	373436.35	32°41'35.736N	104°44'41.043W
7790	90.04	0.1	4410.73	3547.52	-0.33	3547.5	1.13	616228.42	373436.37	32°41'36.369N	104°44'41.045W
7853	91.54	1.16	4409.86	3610.5	0.36	3610.49	2.92	616291.4	373437.06	32°41'36.992N	104°44'41.040W
7917	91.1	1.77	4408.39	3674.47	1.99	3674.46	1.17	616355.37	373438.69	32°41'37.625N	104°44'41.024W
7981	91.1	1.86	4407.16	3738.42	4.02	3738.42	0.14	616419.32	373440.72	32°41'38.258N	104°44'41.003W
8045	90.92	1.77	4406.03	3802.38	6.05	3802.38	0.31	616483.28	373442.75	32°41'38.891N	104°44'40.982W
8109	90.31	1.07	4405.34	3866.36	7.63	3866.36	1.45	616547.26	373444.33	32°41'39.524N	104°44'40.967W
8172	90.22	1.42	4405.05	3929.34	9	3929.35	0.57	616610.24	373445.7	32°41'40.148N	104°44'40.954W
8236	90.48	1.77	4404.66	3993.31	10.78	3993.33	0.68	616674.21	373447.48	32°41'40.781N	104°44'40.936W
8257	90.57	1.77	4404.47	4014.3	11.43	4014.32	0.43	616695.2	373448.13	32°41'40.988N	104°44'40.929W
8305	90.57	1.77	4403.99	4062.28	12.91	4062.3	0	616743.18	373449.61	32°41'41.463N	104°44'40.914W