8	45000 N	proj 25's	311.03	7.6	5211.5
33.2		pp	345.8	31.5	5187.6
58.2		proj 25'N	380.2	55.2	5163.9

130-300 .43°	45100 N 34'	proj 25's	176.5	31.7	5303.3
	60.3	pp	212.4	56.2	5278.8
	85.2	proj 25'N	246.5	79.5	5255.5

45200 N

744750

		dh from 500			
43.5 5081	proj 25'S	118	662	112	4969
	pp	143	697	136	4945
		dh from 700			
42 4944	proj 25'N	22	730	20	4924

744650

		dh from 700			
42°	proj 25'S	74	800	67	4876
4944	pp	101	836	91	4853
	proj 25'N	124	867	112	4832

		dh from 900			
44400					4810
41°	proj 25'S	180	1138	156	4654
	pp	206	1173	179	4631
	TD	228	1202	198	5612

DDH -47

5425

44 100

44200	MD	TVD	Elevation
proj 25 s	10.3/31.5	7.1	5397
PP	35.8/57	24.7	5379
proj 25 N	79.9/101.1	55.0	5349

	45250	C(md)	B (vert)	Elevation
from 30' 45 5404	Collar	0	0	5425
5	proj 25' N	37	5	5399

	45150			
dh from 30 45 5404 57	proj 25' S	111	57	5347
dh from 130 43.5 8 5395	PP	141	8	5327
34	proj 25' N	177	35.8	5299

	45050			
dh from 130 43° 5395 84	proj 25' S	245	78	5257
109	PP	279	102	5233
5219 dh from 300 43.5 9	proj 25' N	312	8	5211

	44950	A (Hor. Dis) dh from 300	C(md)	B(vert)	Elevation
5219 43.5	proj 25' S	60	383	57	5162
	PP	86	419	82	5131
	proj 25' N	112	454	106	5113

5219 42

44850

		dh from 500			
43.5	proj 25'S	16	522	15	5066
5021	PP	42	558	40	5041
	proj 25'N	66	591	63	5018

45200

		dh from 30			
	proj 25'S	5	37	5	5399
43.5	PP	31	43	29	5375
5404	proj 25'N	56	77	53	5351

744550

		dh from 900	936		
	proj 25'S	27	~~925~~	23	4786
42°	PP	53	970	48	4767
	proj 25'N	78	1003		4742

744450

		dh from 800	1070	112	4698
	proj 25'S	1296	~~1074~~	~~116~~	~~4694~~
4910	PP	1556	1105 ~~1104~~	135 ~~140~~	4675 ~~4670~~
	proj 25'N	1804	1138 ~~1142~~	156 ~~162~~	4654 ~~4648~~

44600

		dh from 700			(4944)
42	proj 25'S	124	867	111	4832
		dh from 800			(4810)
41	PP	3	904	31	4807
	proj 25'N	27	936	23	4786

44700

		dh from 700			(4944)
42°	proj 25'S	22	730	20	4924
	PP	49	766	44	4900
	proj 25'N	74	800		4877

DDH-47

1,126,250

collar				5425
	dh from 30	45°		(5404)
pp	57	~~81~~	57	5347
	dh from 300	43.5°		(5219)
proj 50 W	91	425	86	5133

DDH-48 5425

					(Cos 56)(30) A		(Sin 56)(30) B (ELEV.)	
1	(30)	0 - 30 (60)	S10E	-56°	16.78	> 16.6	5400	> 5375.0
2	(50)	30 - 80 (100)	S8E	-56.5°	27.60	> 10.9	5358.3	> 5341.5
3	(120)	80 - 200 (300)	S8E	-57	65.4	> 50.8	5257.7	> 5171.5
4	(200)	200 - 400 (500)	S9E	-59.5	101.5	> 51.5	5085.4	> 5000.0
5	(200)	400 - 600 (700)	S8E	-59	103.0	> 51.5	4914.0	> 4828.3
6	(200)	600 - 800 (900)	S7E	-59	103.0	> 51.5	4742.5	> 4656.8
7	(200)	800 - 1000 (1100)	S9E	-59	103.0	> 49.24	4571.1	> 4484.1
8	(200)	1000 - 1200 (1300)	S12E	-60.5	98.5	> 50	4397.0	> 4310.4
9	(200)	1200 - 1400 (1500)	S11E	-60	100	> 50	4223.8	> 4137.2
10	(187.5)	1400 - 1587.5	S17E	-60	93.8		4061.4	
11	(87.5)	1587.5 - 1675	S10E	-59	45.1		3986.4	

60°			B	C	
12	744600 N	proj 25's	4377	1223'	20.8
38		pp	4332.0	1275'	
63		proj 25'N	4288.7	1325	
36	744500 N	proj 25's	4199.6	1428	
10		pp	4154.5	1480	
16		proj 25'N	4109.5	1532	
	744400N	proj 25's	4021.3	1634.3	—
	TD	proj 4.5's	3986.4		

(OVER)

1285 ⟶ 00521

1 ppm = .029 opt

4571.1 59 1000

			C	B	Elev
0'	44700 N	proj 25's	1015.5	13.3	4557.8
35		pp	1068.0	58.2	4512.9
59		proj 25'N	1114.6	98.2	4472.9
down hole from 800? 800 59°					4742
12	44800 N	proj 25'S	823.3	20.0	4722.3
38		pp	873.8	63.2	4688.8
62.0		proj 25'N	920.4	103.2	4639.78
4914 59 600					
13'	44900 N	proj 25'S	625.2	21.6	4892.4
38		pp	673.8	63.2	4850.8
64		proj 25'N	724.3	106.5	4807.5
5085.4 -59 400					
16.0	45000 N	proj 25's	429.1	25.0	5060.4
46.5		pp	478.6	67.4	5018.0
65		proj 25'N	526.2	108.2	4977.2
16'	45100 N	proj 25's	231.5	27.2	5230.5
(200-400) 41.8		pp	282.4	70.96	5186.7
66.5		proj 25'N	331.0	112.9.	5144.8

44750

59°	proj 25'S	dh from 800 63	920	103	4839
	pp	98	971	146	4595
60.5	proj 25'N	dh from 1000 09	1015	13	4558

744650

4571 60.5	proj 25'S	dh from 1000 60	1122	106	4465
	pp	88	1178	155	4415
60	proj 25'N	dh from 1200 12	1224	21	4376

Ken Biser

DDH - 48

	745250		C(md)	B(TVD)	Elevation
	Collar		0	0	5425
downhole from 30 56.5 5400 9	proj 25'N		46	14	5386
	745150				
dh from 80 57 5358 ~~10~~ 32	proj 25'S		139	49	5309
~~35~~ 57	pp		185	88	5270
dh from 200 59.5 5258 16	proj 25'N		231	27	5231
	74505	A (hor. dis.)	C(md)	B(TVD)	Elevation
	proj 25'S	dh from 200 59.5 - 66	330	112	5146
	pp	dh 92	381	156	5102
	proj 25 N	dh from 400 59 15	429	25	5060
53 15 38					
	744950				
74 41 33 5085	proj 25'S	dh from 400 65	526	108	4977
59°	pp	91	577	151	4934
4914 59	proj 25 N	dh from 600 13	625	22	4892
	744850				
59° 4914	proj 25'S	dh from 600 64	724	106	4808
	pp	89	773	148	4766
59° 4742	proj 25'N	dh from 800 11	821	18	4724
	45200				
56.5	proj 25'S	dh from 30 9	46	13	5387
~~56.5~~ 57	pp	dh from 80 7	93	11	5347
	proj 25'N	32	138	48	5310

	744550				
		dh from 1300			
60° 4397	proj 25'S	63	1326	109	4288
	PP	89	1378	154	4243
		dh from 1408			
60° 4224	proj 25'N	14	1424	24	4200

	744450				
		dh from 1400			
4224 60°	proj 25'S	66	1532	114	4109
	PP	93	1586	161	4063
		dh from 1587			
~~3470~~ 4060 59°	proj 25'N	25	1634	42	4021

DDH-48		C(md)	B(TVD)	Elevation
proj 50' E				
pp	@ 200' tick on from 800	200' 59°		5258 (4742)
proj 50' W	29'	856	48	4694

DGE-1 (D 83-49)

Collar	S65E	-45°	5470'	747,190 N	1,126,560 E	419.5 TD
200'	S71 E	-48°				
400'	S63E	-49°				

C(md)			A (hori. dist)	B (TVD)	Elevation
0-100 (100)	S65E	-45°	70.7	70.7	5399
100-300 (200)	S71E	-48°	133.9	148.6	5250
300'-419.5 (119.5)	S63E	-49°	78.4	90.2	5160

747200		C	B	Elevation
Collar				5470
proj 25'N	38	54	38	5432

747150

proj 25' S	38 dh from 100	54 48°	38	5432 (5399)
pp	31	146	34	5365
proj 25'N	110	264	122	5277

747100

proj 25' S	116 dh from 300	264 49°	122	5277 (5250)
pp	37	356	42	5207
TD		419		5160

pt

MD = 375 Elevation 5193

DGE-2 (D83-50)

Collar S89°W -45° 5602 747,550 N 1,127,031 E TD- 600'

200 S90°W -47°

400 N87W -48.5°

600 N84°W -50°

C(md)				A(hori. dist.)	B(TVD)	Elevation
0-100	(100)	S89W	45°	70.7	70.7	5531
100-300	(200)	S90W	47°	139.4	146.3	5385
300-500	(200)	N87W	48.5°	132.5	149.8	5235
500-600	(100)	N84W	50°	64.3	76.6	5158

747550	A(hori. dist)	C(md)	B(TVD)	Elevation
Collar	on section			5602
	dh from 300			(5385)
pp	~~28'~~ 48'	372 ~~357~~	54 ~~43~~	~~5342~~ 5331
TD		600'		5158

Edg 491 191

pt 583 5171 53

D83-51 (DGE-3) 747190 N 1127061 E (5536) TD - 703

Collar	S89W	-45°	5536
250'	S74W	-44°	
500'	S80W	-44°	
700	S87W	-45°	

C(md)			A (hori. dist.)	B (TVD)	Elevation
0-125 (125)	S89W	-45°	88.4	88.4	5448
125-375 (250)	S74W	-44°	147.5	173.7	5274
375-600 (225)	S80W	-44°	161.8	156.3	5118
600-703 (103)	S87W	-45°	72.8	72.8	5045

747200		C(md)	B	Elevation
collar				5536 (5448)
	dh from 125 44°			
proj 25' N	48	191.7	46.3	5402

747150				
proj 25' S	48	191.7	46.3	5402
pp	130	315.4	132.3	5270 (5274)
	dh from 375 44°			
proj 25' N	136	564	131.3	5143

747100				
proj 25' S	136	564	131.3	5143
TD		703.0		5045

pE contact

measured depth 523. Elevation = 5171 horizontal distance from 375' tick = 106

Edg 423

D 83-52

DGE-4 5417 (1093')

			A	B	Elevation
0-75 (75)	S48 E	-45	53.0	53.0	5364.0
75-325 (250)	S58E	-43	182.8	170.5	5193.5
sp. 150			(54.9)	(51.1)	(5312.9)
325-600 (275)	S54E	-41.5	206.0	182.2	5011.3
sp. 500			(150.9)	(131.2)	
600-800 (200)	S59E	-41	150.9	131.2	4880.1
sp 700			(75.5)	(65.6)	
800-996.5 (196.5)	S59E	-40.5	149.4	127.6	4752.5
Sp 900			(76.0)	(64.9)	
996.5-1093 (96.5)	S59.5E	-39	75.0	60.7	4691.8

	A (horizontal dist.)	C (md)	B (tvd)	Elevation
45050				
Collar proj 17' N	45° dh from Collar			5417
proj 25' N	26	37	26	5391
45000				
proj 25' S	26	37	26	5391 (5364)
pp	43° dh from 75 13	92.8	12.1	5352
proj 25' N	61	158.4	56.9	5307
44950				
proj 25' S	61	158.4	56.9	5307
pp	109	224.0	101.6	5262
proj 25' N	155	286.9	144.5	5219

DGE-4 (cont.)

		A (hori. dist.)	C (md)	B (TVD)	Elevation
* 44900					
proj 25'S	41.5°	155 dh from 325	286.9	144.5	5219 (5193.5)
pp		17	347.7	15.0	5178
proj 25'N		61	406.4	54.0	5139
44850					
proj 25'S		61	406.4	54.0	5139
pp		104	463.9	92.0	5101
proj 25'N		146	519.9	129.2	5064
* 44800					
proj 25'S		146	519.9	129.2	5064
pp	41°	189 dh from 600	577.3	167.2	5026 (5011.3)
proj 25'N		29	638.4	25.2	4986
* 44750					
proj 25'S		29	638.4	25.2	4986
pp		77	702.0	66.9	4944
proj 25'N		127	768.3	110.4	4901
* 44700					
proj 25'S	40.5°	127 dh from 800	768.3	110.4	4901 (4880.1)
pp		24	831.6	20.5	4860
proj 25'N		71	893.4	60.6	4819

DGE-4 (cont.)

	A (hori. dist)	C (md)	B (TVD)	Elevation
44650				
proj 25' S	71	893.4	60.6	4819
pp	121	959.1	103.3	4777
	39° dh from 996.5			(4752.5)
proj 25' N	22	1024.4	17.8	4734.7

44600				
proj 25' S	22	1024.4	17.8	4734.7
pp	71	1087.9	57.5	4695.0
TD proj 2' N	74	1091.7	59.9	4691.8

1,126,750		C (md)	B (TVD)	Elevation
	dh from 325	41.5°		(5193)
proj 50 E	130	499	115	5077
pp	192	581	170	5023
	dh from 600	41°		(5011)
proj 50' W	45	660	39	4972

D83-53 Elevation 5557

DGE-5 5557 (231)		A	B →	Elev
0 - 100	N 35 W -45	70.7	70.7	5486.3
100 - 210	N 32 W -45	77.8	77.8	5408.5
SP. 200	" "	(70.7)	(70.7)	(5415.6)
210 - 231	N 31.5 W -43.5	15.2	14.5	5394.0
sp. 220	" "	(7.3)	(6.9)	(5401.6)

		Horizontal Dist.	MD	TVD	Elev.
45000	proj. S	71	104	71	5486
	PP	41	58	41	5516
	proj N	10'	15'	10	5546

C

45100N	T.D. proj 5' S				5394
9.5	PP		223.1	9.0	5399.5
59.8	proj 25' N		184.6	59.8	5426.5

		45050	C	B		Eleration
45	dh from 100' 60	proj 25 S	185	60		5426
	30 from collar	PP	142	30		5456
45	70'	proj 25 N	100	70		5486

44950

proj 25' S	11	16	11	5546
Collar proj 18' S	—	—	—	5557

1,127,250 E

collar

PP	14 dh from 100	20' 45°	14	5543 (5486)
proj 50' E	33	147	33	5453

TGE-6 5415

				SURFACE A.	B
1	0 - 100 (100)	S37°E	-45°	70.7	5344
	200 (100)			(70.7)	(5273.4)
2	100 - 300 (200)	S36E	-45	141.4	5202.9
	400 (100)			(70.1)	(5131.5)
3	300 - 500 (200)	S30E	-45.5	140.2	5060.2
	600 (100)			(66.9)	(4985.9)
4	500 - 700 (200)	S34E	-48	133.8	4911.6
	800 (100)			(66.9)	(4837.3)
5	700 - 880 (180)	S35E	-48	120.4	4777.8
6	880 - 961 (81)	S35E	-49.5	52.6	4716.2

		B	C		dh from 880	
744400N	proj 25' S	4748.5	918.5		25	
			9			
	T.D. proj 3' N	4716.2	961'		53	
					dh from 700	
744500N	proj 25' S	4886.1	734.4		23	4912
	pp	4852.1	~~779.2~~ 781		54	48°
	proj 25' N	~~4818.3~~ 4820	~~825.5~~ 824		83	
					dh from 500	
744600N	proj 25' S	5021.3	552.3	28.0	35	48
	pp	4988.0	597.1	76.4	66	5060
	proj 25' N	4954.1	642.7		96	

dh from 300					
(3) 58.5' 744700N	proj 25' S	383.5	59.53	5143.4	(5203)
89'	pp	427.0	90.6	5112.3	
116'	proj 25' N	465.5	118.0	5084.9	

(OVER)