

PROJECT: QADIRPUR GAS COMPRESSION PROJECT

GRAINSIZE / ATTERBERG LIMITS TESTS

S.NO.	BH NO.	SAMPLE	DEPTH (METER)	Per cent finer than sieve												Size in mm				Liquid Limit	Plasticity Index
				1 1/2"	1"	3/4"	1/2"	3/8"	#4	#8	#16	#30	#50	#100	#200	0.05	0.01	0.005	0.001		
1	BH-1	SPT-1	1.0	-	-	-	-	-	100	99	97	92	90	82	74	30	18	10	3	25	08
2	BH-1	SPT-3	3.0	-	-	-	-	-	100	95	90	86	82	76	68	32	5	2	-	NP	NP
3	BH-1	SPT-6	7.5	-	-	-	-	-	100	90	88	81	77	69	58	24	6	-	-	NP	NP
4	BH-2	SPT-1	1.0	-	-	-	-	-	100	99	95	91	87	83	77	31	13	10	2	26	5
5	BH-2	SPT-4	4.5	-	-	-	-	-	100	90	87	82	79	70	56	37	16	5	-	NP	NP
6	BH-2	SPT-5	6.0	-	-	-	-	-	100	92	88	83	77	73	61	40	19	6	-	NP	NP
7	BH-2	SPT-7	7.5	-	-	-	-	-	100	95	85	81	74	72	53	33	17	7	-	NP	NP
8	BH-3	SPT-1	1.0	-	-	-	-	100	99	98	96	94	92	90	88	60	32	14	10	29	9
9	BH-3	SPT-2	2.0	-	-	-	-	-	100	87	79	74	71	68	53	33	17	7	-	NP	NP
10	BH-3	SPT-3	3.0	-	-	-	-	-	100	97	96	94	92	90	86	56	30	15	9	30	11
11	BH-3	SPT-8	10.5	-	-	-	-	100	89	78	72	65	60	50	18	1	-	-	-	NP	NP
12	BH-4	SPT-1	1.0	-	-	-	-	-	100	98	96	94	92	90	88	60	32	14	7	28	9
13	BH-4	SPT-4	4.5	-	-	-	-	100	95	92	90	88	85	84	80	50	26	11	1	NP	NP

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				1 1/2"	1"	3/4"	1/2"	3/8"	#4	#8	#16	#30	#50	#100	#200	0.05	0.01	0.005	0.001		
14	BH-4	SPT-5	6.0	-	-	-	-	-	100	82	80	78	66	56	28	10	1	-	-	NP	NP
15	BH-4	SPT-7	9.0	-	-	-	-	100	96	94	91	78	65	60	22	9	6	-	-	NP	NP
16	BH-4	SPT-9	12.0	-	-	-	-	100	88	84	77	67	57	50	16	12	5	-	-	NP	NP
17	BH-4	SPT-15	20.0	-	-	-	100	92	95	86	79	60	58	48	28	7	3	-	-	NP	NP
18	BH-5	SPT-1	1.0	-	-	-	-	-	-	-	100	99	98	95	91	78	65	45	29	29	9
19	BH-5	SPT-5	6.0	-	-	-	-	-	-	-	100	99	97	82	31	12	5	-	-	NP	NP
20	BH-5	SPT-15	20.0	-	-	-	-	-	-	-	-	100	98	89	38	11	4	-	-	NP	NP
21	BH-6	SPT-1	1.0	-	-	-	-	-	-	-	-	100	97	90	75	49	31	1	10	NP	NP
22	BH-6	SPT-8	10.5	-	-	-	-	-	-	-	100	99	96	87	38	12	5	-	-	NP	NP
23	BH-6	SPT-15	20.0	-	-	-	-	-	-	-	-	100	98	89	43	11	4	-	-	NP	NP
24	BH-7	SPT-1	1.0	-	-	-	-	-	-	100	98	96	95	92	90	54	32	16	4	30	11
25	BH-7	SPT-2	2.0	-	-	-	-	-	-	100	97	95	94	91	89	50	30	15	2	31	12
26	BH-7	SPT-3	3.0	-	-	-	-	-	-	100	95	94	92	90	88	50	28	12	2	30	10

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				1 1/2"	1"	3/4"	1/2"	3/8"	#4	#8	#16	#30	#50	#100	#200	0.05	0.01	0.005	0.001		
27	BH-7	SPT-4	4.5	-	-	-	-	-	-	100	97	96	94	92	90	52	30	14	2	32	12
28	BH-7	SPT-6	7.5	-	-	-	-	-	-	-	100	99	89	75	65	41	17	5	-	NP	NP
29	BH-7	SPT-10	13.5	-	-	-	-	-	-	-	100	98	87	77	71	35	13	7	-	NP	NP
30	BH-7	SPT-13	18.0	-	-	-	-	-	-	-	100	95	91	80	62	29	19	9	-	NP	NP
31	BH-8	SPT-1	1.0	-	-	-	-	-	-	-	-	100	95	88	79	46	21	11	7	28	7
32	BH-8	SPT-5	6.0	-	-	-	-	-	-	-	-	100	97	86	67	29	9	2	-	NP	NP
33	BH-8	SPT-11	15.0	-	-	-	-	-	-	-	-	100	96	89	69	31	8	1	-	NP	NP
34	BH-9	SPT-1	1.0	-	-	-	-	-	-	-	-	100	97	899	67	46	21	11	6	26	9
35	BH-9	SPT-5	6.0	-	-	-	-	-	-	-	-	100	95	87	71	29	9	2	-	NP	NP
36	BH-9	SPT-11	15.0	-	-	-	-	-	-	-	-	100	96	91	75	31	8	1	-	NP	NP
37	BH-10	SPT-1	1.0	-	-	-	-	-	100	96	91	88	76	65	61	32	17	10	4	26	5
38	BH-10	SPT-4	5.0	-	-	-	-	-	100	95	92	85	72	67	62	30	12	7	1	NP	NP
39	BH-10	SPT-5	6.0	-	-	-	-	-	100	97	91	87	69	61	55	29	10	2	-	NP	NP

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				1 1/2"	1"	3/4"	1/2"	3/8"	#4	#8	#16	#30	#50	#100	#200	0.05	0.01	0.005	0.001		
40	BH-10	SPT-6	7.5	-	-	-	-	-	100	92	90	89	75	64	59	31	15	5	-	NP	NP
41	BH-10	SPT-7	9.0	-	-	-	-	-	100	93	92	84	70	60	57	27	9	3	1	NP	NP
42	BH-11	SPT-1	1.0	-	-	-	-	-	-	100	98	96	94	92	92	58	34	16	8	33	13
43	BH-11	SPT-2	2.0	-	-	-	-	-	-	100	97	89	88	86	84	50	30	12	2	NP	NP
44	BH-11	SPT-7	9.0	-	-	-	-	-	100	93	92	84	70	60	57	27	9	1	1	NP	NP
45	BH-12	SPT-1	1.0	-	-	-	-	-	100	99	96	89	79	56	53	23	11	6	4	22	4
46	BH-12	SPT-3	3.0	-	-	-	-	-	-	100	96	90	81	58	20	8	-	-	-	NP	NP
47	BH-12	SPT-5	6.0	-	-	-	-	-	-	100	97	93	88	50	23	7	-	-	-	NP	NP
48	BH-12	SPT-8	10.5	-	-	-	-	-	100	97	93	84	78	47	27	2	-	-	-	NP	NP
49	BH-12	SPT-13	18.0	-	-	-	-	-	-	-	100	97	88	53	26	1	-	-	-	NP	NP
50	BH-12	SPT-15	20.0	-	-	-	-	-	-	100	98	93	84	64	24	2	-	-	-	NP	NP
51	BH-13	SPT-1	1.0	-	-	-	-	-	-	100	99	98	96	94	92	62	38	18	04	29	10
52	BH-13	SPT-4	4.5	-	-	-	-	-	-	-	100	99	98	96	45	10	6	4	1	18	2

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				1 1/2"	1"	3/4"	1/2"	3/8"	#4	#8	#16	#30	#50	#100	#200	0.05	0.01	0.005	0.001		
53	BH-13	SPT-8	11.0	-	-	-	-	-	-	100	99	98	96	94	92	62	-	-	-	NP	NP
54	BH-13	SPT-12	16.5	-	-	-	-	-	-	-	100	99	98	96	95	66	28	1	-	NP	NP
55	BH-14	SPT-1	1.0	-	-	-	-	-	-	100	99	98	96	94	92	62	38	18	04	29	10
56	BH-14	SPT-4	4.5	-	-	-	-	-	-	-	100	99	98	96	95	66	20	1	-	NP	NP
57	BH-14	SPT-8	11.0	-	-	-	-	-	-	100	99	98	96	94	92	62	21	1	-	NP	NP
58	BH-14	SPT-12	16.5	-	-	-	-	-	-	-	100	99	98	96	95	66	25	1	-	NP	NP
59	BH-15	SPT-1	1.0	-	-	-	-	-	-	100	99	96	91	83	62	28	12	8	3	21	8
60	BH-15	SPT-3	3.0	-	-	-	-	-	-	100	98	95	85	67	29	2	-	-	-	NP	NP
61	BH-15	SPT-5	6.0	-	-	-	-	-	100	99	96	91	84	67	44	3	-	-	-	NP	NP
62	BH-15	SPT-10	13.5	-	-	-	-	-	100	99	95	90	82	63	35	2	-	-	-	NP	NP
63	BH-15	SPT-15	20.0	-	-	-	-	-	-	100	99	95	89	79	35	1	-	-	-	NP	NP
64	BH-16	SPT-1	1.0	-	-	-	-	-	100	98	92	88	81	75	65	29	16	13	3	21	8
65	BH-16	SPT-3	3.0	-	-	-	-	-	100	94	89	84	78	71	61	35	18	10	3	19	7

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				1 1/2"	1"	3/4"	1/2"	3/8"	#4	#8	#16	#30	#50	#100	#200	0.05	0.01	0.005	0.001		
66	BH-16	SPT-6	7.5	-	-	-	-	-	100	90	88	81	77	69	58	24	6	-	-	NP	NP
67	BH-17	SPT-1	1.0	-	-	-	-	-	100	99	97	92	90	82	74	30	20	10	3	25	8
68	BH-17	SPT-3	3.0	-	-	-	-	-	100	95	90	86	82	76	68	32	25	12	4	22	3
69	BH-18	SPT-1	1.0	-	-	-	-	-	100	99	97	92	90	82	74	30	20	11	2	25	8
70	BH-18	SPT-3	3.0	-	-	-	-	-	100	95	90	86	82	76	68	32	15	9	1	18	2
71	BH-19	SPT-1	1.0	-	-	-	-	-	100	99	97	92	90	82	74	30	10	8	3	25	8
72	BH-19	SPT-3	3.0	-	-	-	-	-	100	96	89	86	79	76	65	30	4	1	-	NP	NP
73	BH-20	SPT-1	1.0	-	-	-	-	-	100	98	95	89	83	79	71	45	39	11	3	25	8
74	BH-20	SPT-3	3.0	-	-	-	-	-	100	95	89	84	80	74	66	35	7	2	-	NP	NP
75	BH-21	SPT-1	1.0	-	-	-	-	-	100	94	88	81	76	69	57	23	18	15	3	25	8
76	BH-21	SPT-3	3.0	-	-	-	-	-	100	96	87	85	80	76	65	38	16	8	3	20	3
77	BH-22	SPT-1	1.0	-	-	-	-	-	100	99	95	88	79	71	66	49	28	11	3	25	8
78	BH-22	SPT-3	3.0	-	-	-	-	-	100	95	92	84	79	74	68	37	20	11	3	20	6

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				1 1/2"	1"	3/4"	1/2"	3/8"	#4	#8	#16	#30	#50	#100	#200	0.05	0.01	0.005	0.001		
79	BH-23	SPT-1	1.0	-	-	-	-	-	100	99	96	89	85	80	71	47	29	11	3	25	8
80	BH-23	SPT-3	3.0	-	-	-	-	-	100	98	91	88	82	75	66	33	2	-	-	NP	NP
81	BH-24	SPT-1	1.0	-	-	-	-	-	100	97	92	88	82	77	70	58	29	11	1	25	8
82	BH-24	SPT-3	3.0	-	-	-	-	-	100	96	89	81	77	69	54	19	10	4	1	18	2
83	BH-25	SPT-1	1.0	-	-	-	-	-	100	99	97	92	90	82	74	60	20	10	1	25	8
84	BH-25	SPT-6	7.5	-	-	-	-	-	100	97	90	83	79	70	61	25	3	1	-	NP	NP
85	TP-1	BS-1	1.0	-	-	-	-	-	100	99	97	92	90	82	74	50	30	13	1	25	08
86	TP-3	BS-1	0.8	-	-	-	-	-	-	-	100	95	91	80	62	50	30	10	1	23	11
87	TP-4	BS-1	1.0	-	-	-	-	-	-	-	-	100	95	88	79	46	21	11	4	27	7
88	TP-5	BS-1	1.0	-	-	-	-	-	-	-	-	100	97	86	67	59	39	12	4	22	8

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				1 1/2"	1"	3/4"	1/2"	3/8"	#4	#8	#16	#30	#50	#100	#200	0.05	0.01	0.005	0.001		
89	BH-26	SPT-1	1.0	-	-	-	-	-	100	99	95	92	90	82	74	30	10	1	-	NP	NP
90	BH-27	SPT-3	3.0	-	-	-	-	-	100	93	88	81	78	76	67	30	5	2	-	NP	NP
91	BH-28	SPT-1	1.0	-	-	-	-	-	100	97	93	91	87	82	70	32	12	1	-	NP	NP

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				1 1/2"	1"	3/4"	1/2"	3/8"	#4	#8	#16	#30	#50	#100	#200	0.05	0.01	0.005	0.001		
92	BH-29	SPT-3	3.0	-	-	-	-	-	100	94	91	87	79	73	62	29	3	1	-	NP	NP
93	BH-30	SPT-1	1.0	-	-	-	-	-	100	99	91	92	90	82	74	30	10	1	-	NP	NP
94	BH-31	SPT-3	3.0	-	-	-	-	-	100	95	90	86	82	76	68	32	5	2	-	NP	NP
95	BH-32	SPT-3	3.0	-	-	-	-	-	100	95	92	86	82	76	68	32	5	2	-	NP	NP
96	BH-33	SPT-1	1.0	-	-	-	-	-	100	99	98	88	81	77	69	28	10	1	-	NP	NP
97	BH-34	SPT-3	3.0	-	-	-	-	-	100	95	87	80	75	68	59	30	6	1	-	NP	NP

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				1 1/2"	1"	3/4"	1/2"	3/8"	#4	#8	#16	#30	#50	#100	#200	0.05	0.01	0.005	0.001		
98	ABH-1	SPT-1	1.0	-	-	-	-	-	-	-	100	99	98	96	95	66	25	1	-	NP	NP
99	ABH-2	SPT-2	2.0	-	-	-	-	-	-	100	99	96	91	83	22	11	2	-	-	NP	NP
100	ABH-3	SPT-3	3.0	-	-	-	-	-	-	100	98	95	85	67	29	3	-	-	-	NP	NP

PROJECT: QADIRPUR GAS COMPRESSION PROJECT

UNCONFINED COMPRESSION TEST

S.NO.	BH NO.	SAMPLE	DEPTH (METER)	STRAIN (%)	STRESS (kg/cm ²)
1	BH-1	UDS-1	2.0	10.30	0.90
2	BH-2	UDS-1	1.5	12.30	1.20
3	BH-3	UDS-1	1.5	13.50	1.06
4	BH-4	UDS-1	1.5	14.14	1.00
5	BH-5	UDS-1	1.5	12.00	1.47
6	BH-6	UDS-1	1.5	10.35	0.95
7	BH-7	UDS-1	3.0	9.50	1.81
8	BH-8	UDS-1	2.0	10.41	1.33
9	BH-9	UDS-1	1.5	14.31	1.66
10	BH-10	UDS-1	1.5	11.41	1.71
11	BH-11	UDS-1	1.5	10.33	1.81
12	BH-12	UDS-1	1.5	11.46	1.51
13	BH-13	UDS-1	2.0	7.31	9.00
14	BH-14	UDS-1	0.5	10.66	2.10
15	BH-15	UDS-1	1.5	11.71	1.73
16	BH-16	UDS-1	2.0	8.14	1.23
17	BH-17	UDS-1	3.0	9.33	1.40

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UNCONFINED COMPRESSION TEST

S.NO.	BH NO.	SAMPLE	DEPTH (METER)	STRAIN (%)	STRESS (kg/cm ²)
18	BH-18	UDS-1	2.0	14.23	1.86
19	BH-19	UDS-1	3.0	10.66	1.30
20	BH-20	UDS-1	2.0	6.91	1.56
21	BH-21	UDS-1	2.0	8.61	1.00
22	BH-22	UDS-1	3.0	9.46	2.00
23	BH-23	UDS-1	1.5	11.11	1.63
24	BH-24	UDS-1	1.5	8.14	0.90
25	BH-24	UDS-2	4.0	9.44	1.86
26	BH-25	UDS-1	1.5	13.50	1.02

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DIRECT SHEAR TEST

S.NO.	BH NO.	SAMPLE	DEPTH (METER)	COHESION (kg/cm ²)	ANGLE OF INTERNAL FRICTION (Degree)
1	BH-2	SPT-2	2.0	0.00	31.50
2	BH-3	SPT-1	1.0	0.00	28.50
3	BH-5	SPT-1	1.0	0.16	22.00
4	BH-6	SPT-1	1.0	0.12	20.50
5	BH-7	SPT-1	1.0	0.10	22.60
6	BH-9	SPT-12	17.0	0.02	30.70
7	BH-10	SPT-1	1.0	0.17	30.10
8	BH-11	SPT-2	2.0	0.00	32.20
9	BH-12	SPT-1	1.0	0.15	22.80
10	BH-13	SPT-2	2.0	0.10	26.50
11	BH-14	SPT-2	2.0	0.00	32.10
12	BH-15	SPT-1	1.0	0.10	22.30
13	BH-17	SPT-2	2.0	0.12	21.50
14	BH-20	SPT-6	8.0	0.00	31.60
15	BH-21	SPT-3	3.0	0.11	22.40
16	BH-23	SPT-3	3.0	0.02	31.60
17	BH-24	SPT-2	2.0	0.15	20.30

KGI-2007-495

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DIRECT SHEAR TEST

S.NO.	BH NO.	SAMPLE	DEPTH (METER)	COHESION (kg/cm ²)	ANGLE OF INTERNAL FRICTION (Degree)
18	BH-24	SPT-15	20.0	0.00	31.00
19	BH-25	SPT-1	1.0	0.13	24.40
20	BH-25	SPT-2	2.0	0.10	25.60

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DIRECT SHEAR TEST

S.NO.	BH NO.	SAMPLE	DEPTH (METER)	COHESION (kg/cm ²)	ANGLE OF INTERNAL FRICTION (Degree)
21	BH-26	SPT-1	1.5	0.02	31.20
22	BH-26	SPT-3	4.5	0.01	30.50
23	BH-27	SPT-1	1.5	0.00	32.10
24	BH-27	SPT-2	3.0	0.02	31.60
25	BH-28	SPT-1	1.5	0.01	31.50
26	BH-28	SPT-2	3.0	0.00	33.20

PROJECT: QADIRPUR GAS COMPRESSION PROJECT

DIRECT SHEAR TEST

S.NO.	BH NO.	SAMPLE	DEPTH (METER)	COHESION (kg/cm ²)	ANGLE OF INTERNAL FRICTION (Degree)
27	BH-29	SPT-1	1.5	0.00	31.50
28	BH-30	SPT-2	3.0	0.02	30.00
29	BH-31	SPT-1	1.5	0.00	31.50
30	BH-31	SPT-2	3.0	0.00	32.00
31	BH-32	SPT-1	1.5	0.03	29.50
32	BH-33	SPT-3	4.5	0.00	33.50
33	BH-34	SPT-2	3.0	0.03	29.60

PROJECT: QADIRPUR GAS COMPRESSION PROJECT

DIRECT SHEAR TEST

S.NO.	BH NO.	SAMPLE	DEPTH (METER)	COHESION (kg/cm ²)	ANGLE OF INTERNAL FRICTION (Degree)
34	ABH-1	SPT-1	1.0	0.00	33.50
35	ABH-3	SPT-2	2.0	0.02	31.50
36	ABH-4	SPT-1	1.0	0.00	33.50
37	ABH-6	SPT-3	3.0	0.03	33.80
38	ABH-8	SPT-1	1.0	0.00	33.40
39	ABH-10	SPT-3	3.0	0.00	33.60
40	ABH-14	SPT-1	1.0	0.00	30.10

PROJECT: QADIRPUR GAS COMPRESSION PROJECT

CHEMICAL TESTS ON SOIL

S.NO.	BH NO.	SAMPLE	DEPTH (METER)	TOTAL SALT CONTENT (%)	CHLORIDE CONTENT (%)	SULPHATE CONTENT (%)	ORGANIC MATTER (%)	pH
1	BH-1	SPT-1	1.0	0.154	0.030	0.050	1.100	7.4
2	BH-5	SPT-1	1.0	0.152	0.035	0.060	1.020	7.2
3	BH-7	SPT-1	1.0	0.175	0.042	0.058	1.050	7.4
4	BH-8	SPT-1	1.0	0.160	0.034	0.056	1.040	7.3
5	BH-13	SPT-1	1.0	0.155	0.035	0.042	0.910	7.5
6	BH-16	SPT-1	1.0	0.130	0.038	0.058	0.980	7.4
7	BH-17	SPT-1	1.0	0.154	0.042	0.042	0.990	7.5
8	BH-18	SPT-1	1.0	0.152	0.038	0.052	1.050	7.3
9	BH-21	SPT-1	1.0	0.158	0.029	0.051	1.100	7.4
10	BH-22	SPT-1	1.0	0.164	0.041	0.043	1.050	7.5
11	BH-24	SPT-1	1.0	0.162	0.040	0.043	1.060	7.3

KGI-2007-495

May, 2007

PROJECT: QADIRPUR GAS COMPRESSION PROJECT

CHEMICAL TESTS ON SOIL

S.NO.	BH NO.	SAMPLE	DEPTH (METER)	TOTAL SALT CONTENT (%)	CHLORIDE CONTENT (%)	SULPHATE CONTENT (%)	ORGANIC MATTER (%)	pH
12	BH-28	SPT-1	1.0	0.157	0.035	0.041	1.040	7.4

KGI-2007-495

May, 2007

PROJECT: QADIRPUR GAS COMPRESSION PROJECT

CHEMICAL TESTS ON SOIL

S.NO.	BH NO.	SAMPLE	DEPTH (METER)	TOTAL SALT CONTENT (%)	CHLORIDE CONTENT (%)	SULPHATE CONTENT (%)	ORGANIC MATTER (%)	pH
13	BH-29	SPT-1	1.0	0.164	0.038	0.047	1.080	7.4
14	BH-31	SPT-1	1.0	0.158	0.029	0.041	1.100	7.5
15	BH-34	SPT-1	1.0	0.172	0.043	0.072	1.090	7.6

KGI-2007-495

May, 2007

PROJECT: QADIRPUR GAS COMPRESSION PROJECT

CHEMICAL TESTS ON WATER

S.NO.	BH NO.	SAMPLE	DEPTH (METER)	TOTAL SALT CONTENT (ppm)	CHLORIDE CONTENT (ppm)	SULPHATE CONTENT (ppm)	pH
1	BH-1	WS-1	2.20	640	210	180	7.8
2	BH-10	WS-1	2.28	1210	305	220	7.5
3	BH-20	WS-1	2.28	1790	490	410	7.7

KGI-2007-495

May, 2007

PROJECT: QADIRPUR GAS COMPRESSION PROJECT

CHEMICAL TESTS ON WATER

S.NO.	BH NO.	SAMPLE	DEPTH (METER)	TOTAL SALT CONTENT (ppm)	CHLORIDE CONTENT (ppm)	SULPHATE CONTENT (ppm)	pH
4	BH-26	WS-1	2.20	1240	240	280	7.3
5	BH-28	WS-1	2.20	1160	260	245	7.4

KGI-2007-495

May, 2007

PROJECT: QADIRPUR GAS COMPRESSION PROJECT

CHEMICAL TESTS ON WATER

S.NO.	BH NO.	SAMPLE	DEPTH (METER)	TOTAL SALT CONTENT (ppm)	CHLORIDE CONTENT (ppm)	SULPHATE CONTENT (ppm)	pH
6	BH-29	WS-1	3.00	610	150	170	7.3
7	BH-32	WS-1	3.50	595	155	150	7.1

KGI-2007-495

May, 2007

PROJECT: QADIRPUR GAS COMPRESSION PROJECT

CHEMICAL TESTS ON WATER

S.NO.	BH NO.	SAMPLE	DEPTH (METER)	TOTAL SALT CONTENT (ppm)	CHLORIDE CONTENT (ppm)	SULPHATE CONTENT (ppm)	pH
8	ABH-1	WS-1	2.40	1040	270	190	7.3
9	ABH-15	WS-1	2.50	810	210	180	7.4