

D.I.G., INC.

GECKO, INCORPORATED
GECKO STATE 36 #1
LEA COUNTY, NEW MEXICO

Calculated by Minimum Curvature Method
Vert Sect Plane: S 22.21 W

- RECORD OF SURVEY -

MEASURED DEPTH (FT)	INCL ANGLE (DEG)	D R I F T DIRECTION (DEG)	COURSE LENGTH (FT)	TRUE VERTICAL DEPTH	T O T A L RECTANGULAR COORDINATES (FT)		VERTICAL SECTION (FT)	C L O S U R E DISTANCE DIRECTION (FT) (DEG)		DOGLEG SEVERITY (DG/100')
0.00	0.00	N 0.00 E	0.00	0.00	0.00	N 0.00 E	0.00	0.00	N 0.00 E	0.00
100.00	0.25	S 33.93 E	100.00	100.00	0.18	S 0.12 E	0.12	0.22	S 33.93 E	0.25
200.00	0.25	S 71.91 E	100.00	200.00	0.43	S 0.45 E	0.23	0.62	S 46.38 E	0.16
300.00	0.25	S 63.89 E	100.00	300.00	0.59	S 0.85 E	0.23	1.04	S 55.21 E	0.03
400.00	0.25	S 83.87 E	100.00	400.00	0.71	S 1.27 E	0.18	1.45	S 60.64 E	0.09
500.00	0.75	N 77.15 E	100.00	499.99	0.59	S 2.12 E	-0.26	2.20	S 74.45 E	0.52
600.00	0.50	N 66.17 E	100.00	599.99	0.27	S 3.16 E	-0.95	3.17	S 85.14 E	0.28
700.00	0.50	S 81.81 E	100.00	699.98	0.15	S 3.99 E	-1.37	3.99	S 87.78 E	0.28
800.00	0.50	N 75.20 E	100.00	799.98	0.11	S 4.84 E	-1.73	4.85	S 88.75 E	0.20
900.00	0.25	N 86.22 E	100.00	899.98	0.02	N 5.48 E	-2.09	5.48	N 89.79 E	0.26
1000.00	0.00	N 0.00 E	100.00	999.98	0.03	N 5.70 E	-2.19	5.70	N 89.65 E	0.25
1100.00	0.25	S 2.74 E	100.00	1099.98	0.18	S 5.71 E	-1.99	5.71	S 88.16 E	0.25
1200.00	0.25	S 12.37 W	100.00	1199.98	0.61	S 5.68 E	-1.58	5.71	S 83.83 E	0.07
1300.00	0.50	S 65.39 W	100.00	1299.97	1.01	S 5.23 E	-1.04	5.33	S 79.09 E	0.40
1400.00	0.50	S 1.41 W	100.00	1399.97	1.63	S 4.82 E	-0.32	5.09	S 71.37 E	0.53
1500.00	0.25	S 26.57 E	100.00	1499.97	2.26	S 4.91 E	0.23	5.41	S 65.31 E	0.30
1600.00	0.00	S 0.00 E	100.00	1599.97	2.45	S 5.01 E	0.38	5.58	S 63.91 E	0.25
1700.00	0.25	S 84.54 E	100.00	1699.97	2.47	S 5.23 E	0.31	5.78	S 64.67 E	0.25
1800.00	0.75	S 63.55 E	100.00	1799.96	2.79	S 6.03 E	0.30	6.64	S 65.20 E	0.52
1900.00	0.50	S 42.59 E	100.00	1899.96	3.40	S 6.91 E	0.53	7.70	S 63.81 E	0.33
2000.00	0.50	S 45.64 E	100.00	1999.95	4.03	S 7.52 E	0.88	8.53	S 61.83 E	0.03
2100.00	0.75	S 45.68 E	100.00	2099.95	4.79	S 8.30 E	1.30	9.58	S 60.02 E	0.25
2200.00	0.25	S 16.72 E	100.00	2199.94	5.45	S 8.83 E	1.71	10.38	S 58.30 E	0.54
2300.00	0.25	S 11.77 E	100.00	2299.94	5.88	S 8.94 E	2.06	10.70	S 56.67 E	0.02
2400.00	0.25	S 20.19 W	100.00	2399.94	6.29	S 8.91 E	2.46	10.91	S 54.75 E	0.14
2500.00	0.00	S 0.00 E	100.00	2499.94	6.50	S 8.83 E	2.68	10.96	S 53.65 E	0.25
2600.00	0.25	S 51.88 W	100.00	2599.94	6.63	S 8.66 E	2.87	10.91	S 52.54 E	0.25
2700.00	0.25	N 48.16 W	100.00	2699.94	6.62	S 8.32 E	2.99	10.64	S 51.49 E	0.32
2800.00	0.75	N 36.21 W	100.00	2799.94	5.95	S 7.78 E	2.57	9.79	S 52.58 E	0.51
2900.00	1.00	N 25.25 W	100.00	2899.92	4.63	S 7.02 E	1.64	8.41	S 56.57 E	0.30
3000.00	1.00	N 9.30 W	100.00	2999.91	2.98	S 6.50 E	0.30	7.15	S 65.37 E	0.28
3100.00	1.25	N 2.34 W	100.00	3099.89	1.03	S 6.32 E	-1.43	6.40	S 80.73 E	0.28

Survey Ref: Well Head Closure Ref: Well Head
Fri Oct 21 1994 14:24:30

Vert Sect Ref: Well Head
File: geck361s.dat

D.I.G., INC.

GECKO, INCORPORATED
GECKO STATE 36 #1
LEA COUNTY, NEW MEXICO

Calculated by Minimum Curvature Method
Vert Sect Plane: S 22.21 W

- RECORD OF SURVEY -

MEASURED DEPTH (FT)	INCL ANGLE (DEG)	D R I F T DIRECTION (DEG)	COURSE LENGTH (FT)	TRUE VERTICAL DEPTH	T O T A L RECTANGULAR COORDINATES (FT)		VERTICAL SECTION (FT)	C L O S U R E DISTANCE DIRECTION (FT) (DEG)		DOGLEC SEVERITY (DG/100')
3200.00	1.75	N 14.72 E	100.00	3199.86	1.54 N	6.66 E	-3.94	6.84	N 77.02 E	0.67
3300.00	1.75	N 21.86 E	100.00	3299.81	4.43 N	7.62 E	-6.98	8.81	N 59.82 E	0.22
3400.00	1.75	N 19.01 E	100.00	3399.76	7.29 N	8.68 E	-10.03	11.34	N 49.98 E	0.09
3500.00	1.50	N 42.15 E	100.00	3499.72	9.70 N	10.06 E	-12.79	13.98	N 46.03 E	0.70
3600.00	0.50	N 57.29 E	100.00	3599.71	10.91 N	11.30 E	-14.37	15.71	N 46.02 E	1.03
3700.00	1.25	N 62.43 E	100.00	3699.69	11.65 N	12.64 E	-15.56	17.19	N 47.33 E	0.75
3800.00	1.00	N 66.58 E	100.00	3799.67	12.50 N	14.41 E	-17.02	19.08	N 49.05 E	0.26
3900.00	1.25	N 80.72 E	100.00	3899.66	13.03 N	16.28 E	-18.21	20.85	N 51.34 E	0.37
4000.00	1.25	N 78.58 E	100.00	3999.63	13.42 N	18.43 E	-19.39	22.80	N 53.94 E	0.05
4100.00	1.00	N 45.73 E	100.00	4099.61	14.24 N	20.12 E	-20.79	24.65	N 54.71 E	0.68
4200.00	1.50	N 43.87 E	100.00	4199.59	15.80 N	21.66 E	-22.81	26.80	N 53.89 E	0.50
4300.00	1.25	N 45.02 E	100.00	4299.56	17.51 N	23.33 E	-25.03	29.17	N 53.11 E	0.25
4400.00	1.25	N 29.16 E	100.00	4399.54	19.23 N	24.64 E	-27.12	31.26	N 52.02 E	0.34
4500.00	1.50	N 33.30 E	100.00	4499.51	21.28 N	25.89 E	-29.49	33.51	N 50.58 E	0.27
4600.00	1.25	N 35.45 E	100.00	4599.48	23.26 N	27.24 E	-31.83	35.82	N 49.50 E	0.26
4700.00	1.50	N 27.47 E	100.00	4699.45	25.31 N	28.47 E	-34.20	38.10	N 48.36 E	0.31
4800.00	1.50	N 25.48 E	100.00	4799.42	27.66 N	29.64 E	-36.81	40.54	N 46.99 E	0.05
4900.00	1.00	N 15.50 E	100.00	4899.39	29.68 N	30.44 E	-38.98	42.51	N 45.72 E	0.54
5000.00	1.50	N 20.52 E	100.00	4999.37	31.74 N	31.13 E	-41.16	44.46	N 44.44 E	0.51
5100.00	1.25	N 25.54 E	100.00	5099.34	33.95 N	32.06 E	-43.55	46.70	N 43.36 E	0.28
5200.00	1.25	N 21.55 E	100.00	5199.32	35.95 N	32.93 E	-45.73	48.75	N 42.49 E	0.09
5300.00	1.25	N 22.57 E	100.00	5299.29	37.97 N	33.75 E	-47.91	50.80	N 41.63 E	0.02
5400.00	1.25	N 24.59 E	100.00	5399.27	39.97 N	34.62 E	-50.09	52.88	N 40.90 E	0.04
5500.00	1.25	N 12.70 E	100.00	5499.24	42.03 N	35.31 E	-52.26	54.90	N 40.04 E	0.26
5600.00	1.50	N 14.72 E	100.00	5599.22	44.36 N	35.89 E	-54.63	57.06	N 38.97 E	0.25
5700.00	1.50	N 22.74 E	100.00	5699.18	46.83 N	36.73 E	-57.24	59.52	N 38.10 E	0.21
5800.00	1.25	N 26.76 E	100.00	5799.15	49.01 N	37.72 E	-59.64	61.85	N 37.58 E	0.27
5900.00	1.25	N 23.78 E	100.00	5899.13	50.99 N	38.65 E	-61.81	63.98	N 37.17 E	0.07
6000.00	1.50	N 17.80 E	100.00	5999.10	53.23 N	39.49 E	-64.21	66.28	N 36.57 E	0.29
6100.00	1.75	N 9.72 E	100.00	6099.06	55.98 N	40.15 E	-67.00	68.89	N 35.65 E	0.34
6200.00	1.75	N 14.55 E	100.00	6199.01	58.96 N	40.79 E	-70.01	71.70	N 34.68 E	0.15
6300.00	1.50	N 17.38 E	100.00	6298.97	61.69 N	41.57 E	-72.83	74.39	N 33.97 E	0.26
6400.00	1.75	N 17.22 E	100.00	6398.93	64.40 N	42.41 E	-75.65	77.11	N 33.37 E	0.25

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- RECORD OF SURVEY -

MEASURED DEPTH (FT)	INCL ANGLE (DEG)	D R I F T DIRECTION (DEG)	COURSE LENGTH (FT)	TRUE VERTICAL DEPTH	T O T A L RECTANGULAR COORDINATES (FT)		VERTICAL SECTION (FT)	C L O S U R E DISTANCE DIRECTION (FT) (DEG)		DOGLEG SEVERITY (DG/100')
6500.00	2.00	N 15.05 E	100.00	6498.88	67.54 N	43.32 E	-78.90	80.24 N 32.67 E	0.26	
6600.00	2.00	N 27.89 E	100.00	6598.82	70.77 N	44.58 E	-82.37	83.64 N 32.21 E	0.45	
6700.00	2.00	N 27.72 E	100.00	6698.76	73.86 N	46.21 E	-85.85	87.12 N 32.03 E	0.01	
6800.00	1.75	N 28.55 E	100.00	6798.70	76.74 N	47.75 E	-89.10	90.39 N 31.89 E	0.25	
6900.00	2.00	N 26.53 E	100.00	6898.65	79.65 N	49.26 E	-92.36	93.65 N 31.74 E	0.26	
7000.00	1.75	N 34.36 E	100.00	6998.60	82.47 N	50.90 E	-95.59	96.91 N 31.69 E	0.36	
7100.00	1.50	N 29.19 E	100.00	7098.56	84.87 N	52.40 E	-98.38	99.75 N 31.69 E	0.29	
7200.00	1.75	N 28.02 E	100.00	7198.52	87.36 N	53.76 E	-101.20	102.58 N 31.61 E	0.25	
7300.00	2.00	N 23.86 E	100.00	7298.46	90.30 N	55.18 E	-104.46	105.83 N 31.43 E	0.28	
7400.00	1.50	N 31.68 E	100.00	7398.42	93.01 N	56.58 E	-107.50	108.87 N 31.31 E	0.55	
7500.00	1.75	N 30.61 E	100.00	7498.38	95.44 N	58.04 E	-110.30	111.71 N 31.31 E	0.25	
7600.00	2.00	N 22.63 E	100.00	7598.32	98.37 N	59.49 E	-113.56	114.96 N 31.16 E	0.36	
7700.00	1.75	N 29.65 E	100.00	7698.27	101.30 N	60.92 E	-116.82	118.21 N 31.02 E	0.34	
7800.00	1.50	N 25.66 E	100.00	7798.23	103.81 N	62.24 E	-119.64	121.04 N 30.94 E	0.27	
7900.00	2.25	N 21.69 E	100.00	7898.17	106.82 N	63.53 E	-122.91	124.28 N 30.74 E	0.76	
8000.00	2.00	N 28.71 E	100.00	7998.11	110.17 N	65.10 E	-126.60	127.96 N 30.58 E	0.36	
8100.00	2.00	N 15.72 E	100.00	8098.04	113.38 N	66.41 E	-130.07	131.40 N 30.36 E	0.45	
8200.00	2.25	N 35.75 E	100.00	8197.98	116.65 N	68.03 E	-133.71	135.04 N 30.25 E	0.78	
8300.00	2.00	N 20.85 E	100.00	8297.91	119.88 N	69.79 E	-137.36	138.71 N 30.21 E	0.60	
8400.00	2.25	N 20.88 E	100.00	8397.84	123.34 N	71.12 E	-141.07	142.37 N 29.97 E	0.25	
8500.00	2.25	N 19.89 E	100.00	8497.76	127.02 N	72.48 E	-145.00	146.25 N 29.71 E	0.04	
8600.00	2.00	N 22.91 E	100.00	8597.69	130.47 N	73.83 E	-148.70	149.91 N 29.50 E	0.27	
8700.00	2.50	N 21.94 E	100.00	8697.62	134.10 N	75.32 E	-152.63	153.81 N 29.32 E	0.50	
8800.00	2.75	N 21.96 E	100.00	8797.51	138.35 N	77.04 E	-157.21	158.35 N 29.11 E	0.25	
8900.00	2.50	N 19.97 E	100.00	8897.41	142.63 N	78.68 E	-161.79	162.89 N 28.88 E	0.27	
9000.00	2.75	N 22.01 E	100.00	8997.30	146.90 N	80.32 E	-166.36	167.43 N 28.67 E	0.27	
9100.00	3.25	N 24.04 E	100.00	9097.16	151.71 N	82.38 E	-171.60	172.64 N 28.50 E	0.51	
9200.00	3.75	N 19.07 E	100.00	9196.98	157.39 N	84.60 E	-177.69	178.69 N 28.26 E	0.58	
9300.00	3.75	N 17.10 E	100.00	9296.76	163.61 N	86.63 E	-184.22	185.13 N 27.90 E	0.13	
9400.00	3.75	N 14.11 E	100.00	9396.55	169.91 N	88.39 E	-190.71	191.52 N 27.48 E	0.20	
9476.00	3.75	N 6.00 E	76.00	9472.39	174.79 N	89.25 E	-195.56	196.26 N 27.05 E	0.70	
9568.00	3.25	N 33.00 E	92.00	9564.22	179.97 N	90.99 E	-201.01	201.66 N 26.82 E	1.85	
9661.00	5.00	N 82.00 E	93.00	9657.00	182.74 N	96.44 E	-205.64	206.63 N 27.82 E	4.06	

D.I.G., INC.

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LEA COUNTY, NEW MEXICO

Calculated by Minimum Curvature Method
Vert Sect Plane: S 22.21 W

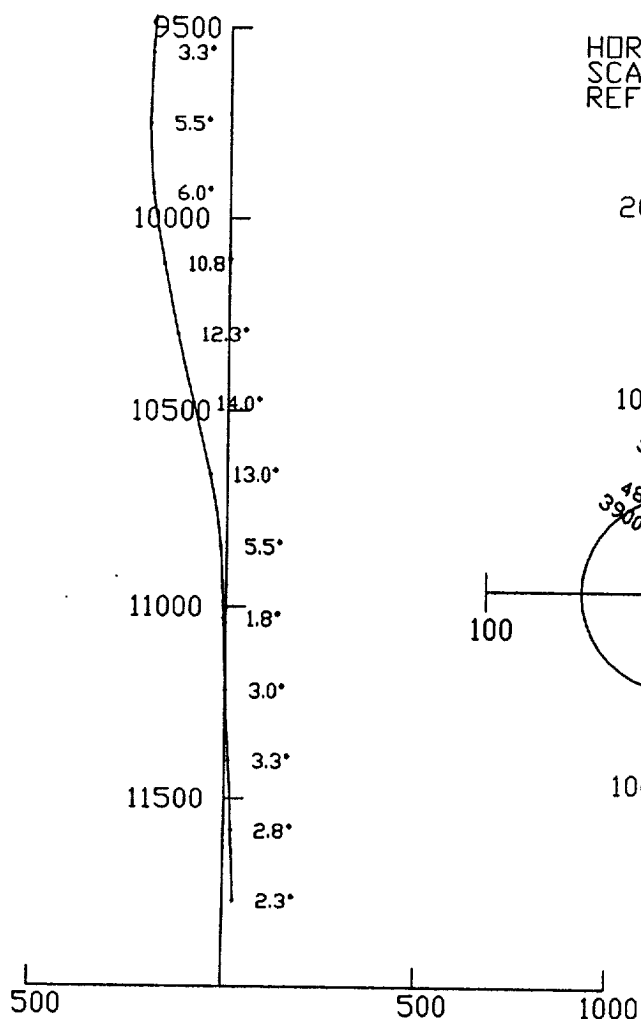
- RECORD OF SURVEY -

MEASURED DEPTH (FT)	INCL ANGLE (DEG)	D R I F T DIRECTION (DEG)	COURSE LENGTH (FT)	TRUE VERTICAL DEPTH	T O T A L RECTANGULAR COORDINATES (FT)		VERTICAL SECTION (FT)	C L O S U R E DISTANCE DIRECTION (FT) (DEG)		DOGLEG SEVERITY (DG/100')
9754.00	5.50	S 73.00 E	93.00	9749.63	182.01 N	104.72 E	-208.08	209.98 N 29.91 E	2.50	
9847.00	4.75	S 19.00 E	93.00	9842.30	177.06 N	110.23 E	-205.59	208.57 N 31.91 E	5.05	
9940.00	6.00	S 19.00 W	93.00	9934.92	168.82 N	109.91 E	-197.84	201.44 N 33.07 E	3.97	
10033.00	9.75	S 22.00 W	93.00	10027.03	156.92 N	105.37 E	-185.11	189.01 N 33.88 E	4.06	
10126.00	10.75	S 20.00 W	93.00	10118.54	141.47 N	99.45 E	-168.56	172.93 N 35.11 E	1.14	
10219.00	11.75	S 19.00 W	93.00	10209.76	124.36 N	93.41 E	-150.44	155.53 N 36.91 E	1.10	
10312.00	12.25	S 17.00 W	93.00	10300.72	105.97 N	87.44 E	-131.16	137.39 N 39.53 E	0.70	
10404.00	13.25	S 17.00 W	92.00	10390.45	86.56 N	81.50 E	-110.94	118.89 N 43.28 E	1.09	
10497.00	14.00	S 19.00 W	93.00	10480.84	65.73 N	74.72 E	-89.10	99.52 N 48.66 E	0.95	
10590.00	14.25	S 20.00 W	93.00	10571.02	44.33 N	67.15 E	-66.43	80.46 N 56.56 E	0.38	
10683.00	13.00	S 32.00 W	93.00	10661.42	24.70 N	57.69 E	-44.68	62.75 N 66.82 E	3.32	
10776.00	9.75	S 36.00 W	93.00	10752.59	9.46 N	47.51 E	-26.72	48.44 N 78.74 E	3.59	
10869.00	5.50	S 44.00 W	93.00	10844.74	0.12 S	39.78 E	-14.92	39.78 S 89.82 E	4.70	
10962.00	2.25	S 54.00 W	93.00	10937.52	4.40 S	35.21 E	-9.23	35.48 S 82.87 E	3.56	
11055.00	1.75	S 49.00 W	93.00	11030.46	6.41 S	32.66 E	-6.41	33.28 S 78.90 E	0.57	
11148.00	2.25	S 27.00 W	93.00	11123.41	8.97 S	30.76 E	-3.33	32.04 S 73.75 E	0.98	
11241.00	3.00	S 13.00 W	93.00	11216.31	12.96 S	29.38 E	0.90	32.12 S 66.19 E	1.06	
11334.00	3.25	S 5.00 E	93.00	11309.17	17.96 S	29.07 E	5.64	34.17 S 58.28 E	1.08	
11426.00	3.25	S 13.00 E	92.00	11401.03	23.10 S	29.88 E	10.09	37.77 S 52.29 E	0.49	
11519.00	3.25	S 6.00 E	93.00	11493.88	28.29 S	30.75 E	14.57	41.78 S 47.38 E	0.43	
11612.00	2.75	S 2.00 W	93.00	11586.75	33.14 S	30.95 E	18.99	45.34 S 43.04 E	0.70	
11705.00	2.50	S 4.00 W	93.00	11679.65	37.40 S	30.73 E	23.01	48.40 S 39.41 E	0.29	
11798.00	2.25	S 11.00 W	93.00	11772.57	41.21 S	30.24 E	26.72	51.11 S 36.27 E	0.41	

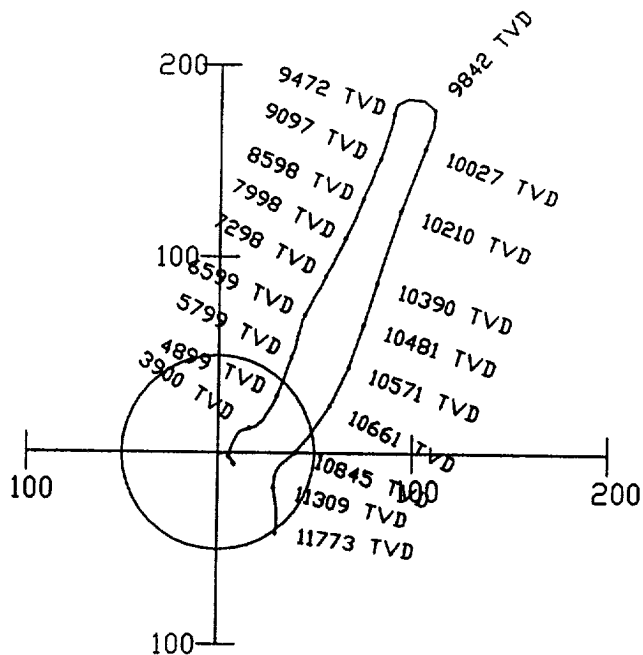
GECKO, INCORPORATED
 GECKO STATE 36 #1
 LEA COUNTY, NEW MEXICO



VERTICAL SECTION
 SCALE: 500 FEET/DIVISION
 REFERENCE: WELL HEAD



HORIZONTAL PLAN
 SCALE: 100 FEET/DIVISION
 REFERENCE: WELL HEAD



VERTICAL SECTION PLANE: S 22.21 W

RECEIVED

NOV 18 1934

OFFICE

FIELD REPORT

TYPE OF SERVICE
OPEN HOLE DST

DATE
18-OCT-1994

DISTRICT
HOBBS

Page
1 of 2

WELL OWNER: GBECKO, INC.

SERVICE ORDER NUMBER: 135955

REPORTS ADDRESS: 310 W. WALL / SUITE 702-LB106 / MIDLAND, TX 79701

WELL NAME & NO.: GECKO STATE 36-1

FIELD: NORTH HOBBS

LEASE:

LOCATION: 36-16S-37E

COUNTY: LEA

STATE: NEW MEXICO

TEST NO. ONE

TEST INTERVAL FROM 11600 FT TO 11685 FT = 85 FT

[illegible]

RECEIVED

NOV 18 1934

OFFICE

FIELD REPORT

TYPE OF SERVICE
OPEN HOLE DSTDATE
18-OCT-1994DISTRICT
HOBBESPage
2 of 2

INSTRUMENT DATA

INSTRUMENT NO.	SB-20232	J-1054	J-1054		
CAPACITY (PSIG)	10000	6400	2800		
DEPTH	11615	11614	11567		
INSIDE-OUTSIDE	IN	IN	I-A		
CLOCK CAP	ELECTRONIC	48 HOUR	96 HOUR		
TEMPERATURE °F	171	176	176		
I. HYD. PSIG	5444	5463	0		
I. FLOW PSIG	1054-1093	889-1029	0-688		
I.S.I. PSIG	4107	4120			
2nd FLOW PSIG					
2nd S.I. PSIG					
F. FLOW PSIG	1253-2943	1117-2980	671-		
F.S.I. PSIG	4080	4082			
F. HYD. PSIG	5348	5425	700		

MUD DATA

MUD TYPE	GEL-DRISPAC	MUD WT	8.8	#/gal
VISCOSITY	41	WATER LOSS	9.0	CC
RESISTIVITY: OF MUD	@	°F		
RESISTIVITY: OF FILTRATE	1.180 @ 70	°F		
CHLORIDES	5000	PPM		
H2S DURING TEST		PPM		

WELL BORE DATA

FORMATION TESTED	STRAWN			
NET PRODUCTIVE INTERVAL	35	ft	EST. POROSITY	8 %
ELEVATION	3751	ft	DEPTH MEASURED FROM GL	
TOTAL MEASURED DEPTH		11685		ft
O H SIZE	7.875	in		
CASING SIZE	9.625			
LINER SIZE				
PERF INTERVAL FROM		ft	TO	ft
SHOT DENSITY				

CUSHION

NONE

LENGTH

AMOUNT

SURFACE PRESS

BOTTOM CHOKE SIZE

1.0

SAMPLER DATA

RECOVERY			RESISTIVITY			CHLORIDES	
GAS	2.46	C.F.	RECOVERED WATER	@	deg F	PPM	
OIL	1300	C.C.	RECOVERED MUD	@	deg F		
WATER		C.C.	REC.MUD FILTRATE	@	deg F	PPM	
MUD		C.C.	PIT MUD	@	deg F		
GRAVITY 45.9 °API 60 °F			PIT MUD FILTRATE	@	deg F	PPM	
GOR 300	C.F./BBL		SAMPLER PRESSURE 1990 psig				

REMARKS:

DST #1 on the GECKO STATE 36-1 was mechanically sound. The formation flowed gas & oil to surface. Oil which flowed through the separator before the reversing procedure was gaged at 25 bbls. Another 55 bbls. were reversed at the conclusion of the final shut-in. The inside/above recorder indicated that there were no drill pipe leaks. Thank you for using SCHLUMBERGER.

SERVICE ORDER NUMBER:

135955

SCHLUMBERGER ENGINEER/TECHNICIAN

KIRK BEASLEY

RECEIVED

NOV 18 1994

OFFICE