

hole deviation survey

Computer Inventoried

Sheet5

15-087-20417-0001

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8-10-2006

KLM Exploration Company, Inc.

Wagner #2

Drilled Depth - 1998'

Surveyed Depth - 1841'

SW3W3W

8-8-8

JUL 26 P 12 01
SAS CORP 10.01

Kickoff Point

M. Depth	=	1476	N/S Cord.	=	0
TVD	=	1476	E/W Cord.	=	0
Inclination	=	0			
Azimuth	=	42			

Station	Measured Depth	Inclination Deg	Azimuth Deg	TVD Ft	N/S Ft	E/W Ft	Departure Ft	Dog Leg Deg/ft	ROC FT
1	1478	4	39	1478.00	0.11	0.09	0.14		
2	1480	4	39	1479.99	0.21	0.18	0.28	0.00	#DIV/0!
3	1482	6	39	1481.99	0.35	0.29	0.45	1.00	57.30
4	1484	8	39	1483.97	0.54	0.44	0.70	1.00	57.30
5	1486	10.5	39	1485.95	0.79	0.64	1.02	1.25	45.84
6	1488	12	39	1487.91	1.09	0.89	1.41	0.75	76.39
7	1490	14	47	1489.86	1.42	1.20	1.86	1.34	42.66
8	1492	15	56	1491.79	1.73	1.59	2.35	1.23	46.54
9	1494	16	62	1493.72	2.01	2.05	2.87	0.94	60.68
10	1496	18	81	1495.63	2.19	2.60	3.40	2.94	19.51
11	1498	19	122	1497.53	2.07	3.22	3.83	6.40	8.90
12	1500	20	132	1499.41	1.67	3.76	4.11	1.74	32.93
13	1502	21	107	1501.29	1.32	4.37	4.56	4.37	13.10
14	1504	22.5	95	1503.14	1.18	5.09	5.23	2.34	24.47
15	1506	24	87	1504.98	1.17	5.88	6.00	1.75	32.81
16	1508	25	87	1506.80	1.21	6.71	6.82	0.50	114.59
17	1510	26	88	1508.61	1.25	7.57	7.67	0.54	105.26
18	1512	28	89	1510.39	1.27	8.48	8.57	1.03	55.88
19	1514	29	92	1512.15	1.26	9.43	9.52	0.87	65.63
20	1516	30.5	95	1513.88	1.20	10.42	10.49	1.06	54.23
21	1518	32	94	1515.59	1.12	11.46	11.51	0.79	72.20
22	1520	34	95	1517.27	1.03	12.54	12.59	1.04	55.28
23	1524	35	96	1520.57	0.82	14.80	14.82	0.29	199.42
24	1526	36	97	1522.20	0.69	15.95	15.97	0.58	99.10
25	1528	38	98	1523.79	0.53	17.15	17.15	1.04	54.87
26	1530	39.5	99	1525.35	0.34	18.38	18.39	0.81	70.50
27	1532	41	99	1526.88	0.14	19.66	19.66	0.75	76.39
28	1534	42.5	101	1528.37	-0.09	20.97	20.97	1.00	57.13
29	1536	44	101	1529.83	-0.35	22.32	22.32	0.75	76.39
30	1538	45	102	1531.25	-0.63	23.69	23.70	0.61	93.84
31	1540	47	103	1532.64	-0.94	25.10	25.11	1.06	53.92
32	1542	48.5	104	1533.99	-1.29	26.53	26.57	0.84	68.51
33	1544	50.5	106	1535.29	-1.68	28.00	28.05	1.26	45.61
34	1546	52.5	107	1536.53	-2.13	29.50	29.58	1.07	53.36
35	1548	54	109	1537.73	-2.62	31.03	31.14	1.10	52.21
36	1550	56	111	1538.88	-3.18	32.57	32.72	1.29	44.33
37	1552	58.5	114	1539.96	-3.82	34.12	34.34	1.78	32.27
38	1554	61	116	1540.97	-4.55	35.69	35.98	1.52	37.71
39	1556	63	118	1541.90	-5.36	37.26	37.64	1.33	42.95
40	1558	64	119	1542.80	-6.21	38.83	39.33	0.67	85.39
41	1560	65.5	121	1543.65	-7.11	40.40	41.02	1.17	48.77
42	1562	67	123	1544.46	-8.08	41.95	42.73	1.18	48.42
43	1564	69	125	1545.20	-9.12	43.49	44.44	1.36	42.02
44	1566	71	127	1545.89	-10.23	45.01	46.16	1.37	41.76
45	1568	73	128	1546.51	-11.38	46.52	47.89	1.11	51.74

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46	1570	74.5	128	1547.07	-12.57	48.03	49.65	0.75	76.39
47	1572	77	129	1547.56	-13.77	49.55	51.43	1.34	42.74
48	1574	79	131	1547.97	-15.03	51.05	53.22	1.40	40.96
49	1576	81	132	1548.32	-16.34	52.52	55.01	1.11	51.40
50	1578	82	132	1548.62	-17.66	53.99	56.81	0.50	114.59
51	1580	84	134	1548.86	-19.01	55.45	58.62	1.41	40.67
52	1582	86	136	1549.04	-20.42	56.85	60.41	1.41	40.59
53	1584	88	138	1549.14	-21.88	58.22	62.19	1.41	40.54
54	1586	89.5	139	1549.18	-23.38	59.54	63.97	0.90	63.57
55	1588	91.5	139	1549.17	-24.89	60.85	65.75	1.00	57.30
56	1614	94	139	1547.92	-44.49	77.89	89.70	0.10	595.87
57	1650	95	139	1545.10	-71.57	101.44	124.15	0.03	2062.64
58	1700	95.5	139	1540.52	-109.15	134.10	172.91	0.01	5729.56
59	1750	96	139	1535.51	-146.70	166.74	222.09	0.01	5729.56
60	1800	96	139	1530.29	-184.23	199.37	271.45	0.00	#DIV/0!
61	1841	96.5	139	1525.82	-214.98	226.10	312.00	0.01	4698.24
62	1903	93	139	1505.01	-332.53	328.28	467.27	0.01	5993.91