

**WINGERD NO. 14
DRILL STEM TESTS**

Unit J

24-12s-37e

3D-025-32847

3-22-95:

DST #1: 9408'-9549'

Opened tool @ 9:15 p.m. with weak blow

5" = blowing 3" in bucket

10" = blowing 7" in bucket

Closed tool

Tool closed 90 mins.

Reopened tool with weak blow

10" = blowing 7" into bucket

30" = blowing 7" into bucket

60" = 8 oz. in 1/8" choke

90" = 10-1/2 oz. on 1/8" choke

120" = 11 oz. on 1/8" choke

Closed tool

Tool closed 6 hrs.

DST #1: 9408'-9549' (141')

Recovery: 40' free gas + 434' O&GCM

Sampler: 150 psi, 450 cc oil (40.2 deg. API) + 850 cc mud + 125 cc water (chlorides 3400 ppm), 0.48 cuft gas, GOR = 169. Pit chlorides 3200 ppm.

	INSIDE (TOP) Electronic	OUTSIDE (BOTTOM) Mech.
IHP	4390	4530
IPFP	102	130
FPFP	133	170
ISIP	1963	2101
IFP	224	258
FFP	204	230
FSIP	2308	2443
FHP	4374	4504
BHT 150 deg. F		

3-26-95:

D.S.T. No. 4

Interval: 9406'-9619' = 213'

O.T. @ 6:30 p.m. 3-25-95 with weak blow

3" - BFBB

10" - 6# on bubble hose

20" - 11# on bubble hose

40" - 15# on bubble hose, switch to 1/4" choke

60" - 1# 1/4" choke, switch to bubble hose

70" - 5# on bubble hose

80" - 3# on bubble hose

90" - 1/2# on bubble hose. Closed tool.

Tool Closed 6 hrs.

Note: made 3 attempts to set packers before obtaining packer seat.

Recovery: 844' mud, 3200 CI, 6850' gas cut water, 36,000 CI

Sampler: 600 psi, 0.19 ft³ gas, 2400 cc water, 38,000 CI

Pit Chlorides: 3400

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3-26-95: (cont.)

	INSIDE	OUTSIDE
IHP	4358	4404
*IPFP	1337	1203
FPFP 90"	3515	3651
ISIP 6 hrs.	3608	3746
FHP	4372	4492
BHT 150		

*Only one flow period during test.

4-15-95: Recovery: Reversed out 63 bbls. heavy mud and gas cut oil + 32 bbls. water. Chlorides 4970 ppm.
 Sampler: 500 psi, 1700 cc oil (47.2 deg. API at 60 deg. F) + 650 cc water (Chlorides 5500 ppm).
 Pit Chlorides: 3500 ppm.

	INSIDE	OUTSIDE
IHP	5268	5296
IFP	2029	1980
FFP 3 hr.	3411	3411
FSIP 9 hr.	3880	3967
FHP	5268	5296

BHT 158 deg.

O.T. @ 6:53 p.m. 4-14-95 and slid packers 5' to bottom. No blow at surface. Cycled tool and opened at 6:58 p.m. with strong blow.

1" - blowing from bottom of bucket

5" - 3-3/4 psi on bubble hose

10" - 5-1/4 psi on bubble hose

30" - 9-1/2 psi on bubble hose

60" - 13-1/2 psi on bubble hose

90" - 17 psi on bubble hose

120" - 17-1/2 psi on bubble hose

150" - 16-1/4 psi on bubble hose

180" - 14 psi on bubble hose. Closed tool.

Gas to surface 2 mins. after closing tool.

Tool closed 9 hrs.

RECEIVED

SEP 19 1945

OLD HOBBS
OFFICE

Survey File: WINGPR14

Date: 4- 8-95

Time: 18:00:37

BARBARA FASKEN

WINGPRO 14

LEA CO., NM

G.S.D.C. RIG 8

SURVEY

SURVEYOR: R. HILL & R. DEVOE

Survey Reference Point : 275.0

Local Grid Offset : 0.0

Drift Correction Method: Variable rate from drift checks

Survey Computation Method: Minimum Curvature

Target Direction: 0.00

FINAL DATA (INRUN)

Measured Depth (feet)	Course Inclination	Course Direction	Vertical Depth (feet)	Rectangular Coordinates		Vertical Section	Dogleg Severity (per100)
				N/S	E/W		
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.28	141.04	100.00	-0.19	0.15	-0.19	0.28
200.00	0.39	145.92	200.00	-0.66	0.50	-0.66	0.12
300.00	0.78	143.71	299.99	-1.49	1.09	-1.49	0.39
400.00	0.86	147.00	399.98	-2.67	1.90	-2.67	0.10
500.00	0.93	146.26	499.97	-3.97	2.76	-3.97	0.07
600.00	0.85	147.89	599.96	-5.28	3.61	-5.28	0.08
700.00	0.83	140.98	699.95	-6.47	4.46	-6.47	0.11
800.00	0.85	139.10	799.94	-7.59	5.40	-7.59	0.04
900.00	0.82	136.12	899.93	-8.67	6.38	-8.67	0.05
1000.00	0.78	135.71	999.92	-9.67	7.35	-9.67	0.04
1100.00	0.74	143.65	1099.91	-10.68	8.21	-10.68	0.11
1200.00	0.67	138.01	1199.90	-11.64	8.99	-11.64	0.10
1300.00	0.53	141.64	1299.89	-12.43	9.67	-12.43	0.15
1400.00	0.51	139.32	1399.89	-13.14	10.25	-13.14	0.03
1500.00	0.43	154.89	1499.89	-13.82	10.70	-13.82	0.15
1600.00	0.37	152.57	1599.88	-14.44	11.00	-14.44	0.06
1700.00	0.53	148.54	1699.88	-15.13	11.40	-15.13	0.16
1800.00	0.81	162.41	1799.87	-16.20	11.85	-16.20	0.32
1900.00	0.92	167.32	1899.86	-17.66	12.24	-17.66	0.13
2000.00	1.02	170.26	1999.85	-19.31	12.57	-19.31	0.11
2100.00	1.07	173.88	2099.83	-21.12	12.82	-21.12	0.08
2200.00	1.13	179.72	2199.81	-23.03	12.92	-23.03	0.12
2300.00	0.84	180.98	2299.80	-24.74	12.92	-24.74	0.29
2400.00	0.81	181.65	2399.79	-26.19	12.88	-26.19	0.03
2500.00	0.62	185.68	2499.78	-27.44	12.81	-27.44	0.20
2600.00	0.81	168.55	2599.77	-28.67	12.90	-28.67	0.28
2700.00	0.82	179.03	2699.76	-30.08	13.05	-30.08	0.15
2800.00	0.71	172.50	2799.75	-31.41	13.14	-31.41	0.14

RECEIVED

1988
JUD HUBBS
OFFICE

Measured Depth (feet)	Course Inclination	Course Direction	Vertical Depth (feet)	Rectangular Coordinates N/S E/W		Vertical Section	Dogleg Severity (per100)
8300.00	1.63	35.53	8298.54	32.72	91.41	32.72	0.03
8400.00	1.65	32.05	8398.50	35.10	93.00	35.10	0.10
8500.00	1.80	25.00	8498.45	37.74	94.43	37.74	0.26
8600.00	2.47	19.20	8598.38	41.20	95.80	41.20	0.70
8700.00	2.53	20.60	8698.28	45.30	97.29	45.30	0.08
8800.00	2.60	23.21	8798.18	49.45	98.96	49.45	0.14
8900.00	2.44	23.07	8898.09	53.50	100.69	53.50	0.16
9000.00	2.36	27.77	8998.00	57.28	102.48	57.28	0.21
9100.00	2.26	27.63	9097.92	60.85	104.36	60.85	0.10
9200.00	2.04	29.08	9197.85	64.16	106.14	64.16	0.22
9300.00	1.90	29.35	9297.79	67.17	107.82	67.17	0.14
9400.00	1.91	30.09	9397.73	70.06	109.47	70.06	0.03
9500.00	2.09	30.50	9497.67	73.07	111.23	73.07	0.18
9600.00	1.93	30.86	9597.61	76.08	113.02	76.08	0.16
9700.00	1.98	33.62	9697.55	78.96	114.84	78.96	0.11
9800.00	2.04	26.02	9797.49	82.00	116.57	82.00	0.28
9900.00	2.11	24.68	9897.43	85.27	118.12	85.27	0.08
10000.00	2.21	18.61	9997.35	88.77	119.51	88.77	0.25
10100.00	2.13	17.25	10097.20	92.37	120.67	92.37	0.10
10200.00	2.25	16.87	10197.20	96.03	121.79	96.03	0.13
10300.00	2.36	13.33	10297.10	99.91	122.84	99.91	0.18
10400.00	2.44	12.15	10397.00	103.99	123.76	103.99	0.10
10500.00	2.44	12.03	10496.90	108.15	124.65	108.15	0.01
10600.00	2.65	12.24	10596.80	112.48	125.58	112.48	0.21
10700.00	2.64	9.16	10696.70	117.01	126.44	117.01	0.14
10800.00	2.83	22.72	10796.60	121.56	127.76	121.56	0.67
10900.00	3.29	44.81	10896.40	125.88	130.73	125.88	1.25
11000.00	3.70	46.58	10996.30	130.13	135.10	130.13	0.43
11100.00	3.87	49.71	11096.00	134.53	140.02	134.53	0.27
11200.00	4.39	57.91	11195.80	138.74	145.83	138.74	0.78
11300.00	5.00	67.17	11295.40	142.47	153.09	142.47	0.97
11400.00	5.31	68.78	11395.00	145.83	161.42	145.83	0.34
11476.00	5.67	70.13	11470.70	148.38	168.22	148.38	0.50

Final Closure - Direction: 48.59 degrees
- Distance: 224.31 feet