

RAILROAD COMMISSION OF TEXAS OIL AND GAS DIVISION

Form W-12
(1-1-71)

INCLINATION REPORT (One Copy Must Be Filed With Each Completion Report.)		6. RRC District
1. FIELD NAME (as per RRC Records or Wildcat) Antelope Ridge - Atoka		7. RRC Lease Number. (Oil completions only)
2. LEASE NAME Belco Federal		8. Well Number #2
3. OPERATOR Estoril Producing Corp.		9. RRC Identification Number (Gas completions only)
4. ADDRESS 1100 Vaughn Bldg., Midland, Texas 79702		10. County Lea
5. LOCATION (Section, Block, and Survey) Sec. 12, R34E T23S		

RECORD OF INCLINATION

*11. Measured Depth (feet)	12. Course Length (Hundreds of feet)	*13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle X100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
97	97	3/4	1.31	1.27	1.27
310	213	1/2	.87	1.85	3.12
552	242	1/2	.87	2.10	5.22
980	428	1 1/4	2.18	9.33	14.55
1222	242	3/4	1.31	3.17	17.72
1481	259	1 1/2	2.62	6.78	24.50
1603	122	2 1/4	3.93	4.79	29.29
1825	222	4 1/4	7.41	16.45	45.74
1975	150	4 1/2	7.85	11.77	57.51
2086	111	3	5.23	5.80	63.31
2181	95	4	6.98	6.63	69.94
2275	94	4	6.98	6.56	76.50
2359	84	3	5.23	4.39	80.89
2498	139	3 1/2	6.10	8.47	89.36
2718	220	3	5.23	11.50	100.86
2970	252	2 3/4	4.80	12.09	112.95

If additional space is needed, use the reverse side of this form.

17. Is any information shown on the reverse side of this form? ☒ yes ☐ no
18. Accumulative total displacement of well bore at total depth of 12665 feet = 325.25 feet.
- *19. Inclination measurements were made in - ☐ Tubing ☐ Casing ☐ Open hole ☒ Drill Pipe
20. Distance from surface location of well to the nearest lease line _____ feet.
21. Minimum distance to lease line as prescribed by field rules _____ feet.
22. Was the subject well at any time intentionally deviated from the vertical in any manner whatsoever? NO
- (If the answer to the above question is "yes", attach written explanation of the circumstances.)

INCLINATION DATA CERTIFICATION I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of the inclination data and facts placed on both sides of this form and that such data and facts are true, correct, and complete to the best of my knowledge. This certification covers all data as indicated by asterisks (*) by the item numbers on this form. <i>Michael L. Hicks</i> Signature of Authorized Representative Michael L. Hicks Ast. Drllg. Supt. Name of Person and Title (type or print) TOT Drilling Corp. Name of Company Telephone: <u>915</u> <u>367-7361</u> Area Code	OPERATOR CERTIFICATION I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of all information presented in this report, and that all data presented on both sides of this form are true, correct, and complete to the best of my knowledge. This certification covers all data and information presented herein except inclination data as indicated by asterisks (*) by the item numbers on this form. <i>Becky Middleton</i> Signature of Authorized Representative Becky Middleton - Prod. Clerk Name of Person and Title (type or print) Estoril Producing Corporation Operator Telephone: <u>915</u> <u>683-6101</u> Area Code
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Railroad Commission Use Only:

Approved By: _____ Title: _____

This instrument was acknowledged before me this 25th day of April, 1983 by Becky Middleton. *Chavez & Associates*
Notary Public in and for State of Texas

* Designates items certified by company that conducted the inclination surveys.

RECORD OF INCLINATION (Continued from reverse side)

*11. Measured Depth (feet)	12. Course of Inclination (Hundredths of Inch)	13. Angle of Inclination (Degrees)	14. Displacement per Hundred Feet (Sine of Angle X100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
3157	487	2	3.49	6.52	119.47
3225	487	1 1/4	2.18	1.48	120.95
3440	213	1 1/4	2.18	4.68	125.63
3676	236	1	1.75	4.13	129.76
3794	218	1 1/2	.87	1.02	130.78
4036	242	1	1.75	4.23	135.01
4285	249	1	1.75	4.35	139.36
4549	264	1 1/2	2.62	6.91	146.27
4940	391	2 3/4	4.80	18.76	165.03
5150	210	3	5.23	10.98	176.01
5318	168	2 3/4	4.80	8.06	184.07
5462	144	2 3/4	4.80	6.91	190.98
5730	268	1 3/4	3.05	8.17	199.15
5961	231	2 1/4	3.93	9.07	208.22
6203	242	1	1.75	4.23	212.45
6489	286	3/4	1.31	3.74	216.19
6785	296	1/2	.87	2.57	218.76
7055	270	3/4	1.31	3.53	222.29
7308	253	1/4	.44	1.11	223.40
7592	284	1	1.75	4.97	228.37
7840	248	1/4	.44	1.09	229.46
8092	252	1/2	.87	2.19	231.65
8312	220	1/2	.87	1.91	233.56
8562	250	1/2	.87	2.17	235.73
8814	252	1	1.75	4.41	240.14
9064	250	2	3.49	8.72	248.86
9313	249	2 1/4	3.93	9.78	258.64
9440	127	1 1/4	2.18	2.76	261.40
9690	250	2	3.49	8.72	270.12
9973	283	1 1/2	2.62	7.41	277.53
10224	251	1 1/4	2.18	5.47	283.00
10389	165	1 1/4	2.18	3.59	286.59
10642	253	1 1/4	2.18	5.51	292.10
10893	251	1	1.75	4.39	296.49
11145	252	3/4	1.31	3.30	299.79
11396	251	1/4	.44	1.10	300.89
11731	325	3/4	1.31	4.25	305.14
11945	224	1	1.75	3.92	309.06
12251	306	1	1.75	5.35	314.41
12665	414	1 1/2	2.62	10.84	325.25

If additional space is needed, attach separate sheet and check here. ☐

REMARKS: Survey @ 12665 was last one reported. Total depth is 13,350'.

- INSTRUCTIONS -

An inclination survey made by persons or concerns approved by the Commission shall be filed on a form prescribed by the Commission for each well drilled or deepened with rotary tools or when, as a result of any operation, the course of the well is changed. No inclination survey is required on wells that are drilled and completed as dry holes that are plugged and abandoned. (Inclination surveys are required on re-entry of abandoned wells.) Inclination surveys must be made in accordance with the provisions of Statewide Rule 11.

This report shall be filed in the District Office of the Commission for the district in which the well is drilled, by attaching one copy to each appropriate completion for the well. (except Plugging Report)

The Commission may require the submittal of the original charts, graphs, or discs, resulting from the surveys.