

INCLINATION REPORT

1. FIELD NAME Pitchfork Ranch (Morrow)	2. LEASE NAME Vaca Ridge 20 Federal #1
3. OPERATOR Southland Royalty Company	
4. ADDRESS 21 Desta Drive, Midland TX 79705	
5. LOCATION (Section, Block, and Survey) Sec. 20, T-24-S, R-34-E	

County Lea

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)
205	2.05	0.25	0.44	0.90	0.90
320	1.15	0.50	0.87	1.00	1.90
436	1.16	0.75	1.31	1.52	3.42
923	4.92	0.75	1.31	6.45	9.87
1,290	3.52	0.75	1.31	4.74	14.61
1,555	2.65	1.00	1.75	4.64	19.25
2,085	5.30	0.75	1.31	6.94	26.19
2,624	5.39	1.50	2.62	14.12	40.31
2,940	3.16	0.75	1.31	4.14	44.45
3,440	5.00	1.00	1.75	8.75	53.20
4,020	5.30	1.25	2.18	12.64	65.84
4,450	4.30	1.75	3.05	13.12	78.96
4,643	1.93	1.75	3.05	5.89	84.85
5,633	10.45	1.25	2.18	22.78	107.63
6,217	5.29	1.25	2.18	11.53	119.16
6,709	4.92	0.50	0.87	4.28	123.44

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 14,851 feet = 410.92 feet.
19. Inclination measurements were made in ☐ Tubing ☐ Casing ☐ Open hole ☒ Drill Pipe

Notary Seal

Subscribed and sworn to before me this 7th day of June 1955
[Signature] El Paso Texas
 Notary Public County

INCLINATION DATA CERTIFICATION <u>[Signature]</u> Signature of Authorized Representative <u>H. L. Jennings, Administrative Mgr.</u> Name of Person and Title (type or print) <u>Parmer Drilling Company</u> Name of Company Telephone: <u>915 366-3658</u> Area Code	OPERATOR CERTIFICATION <u>[Signature]</u> Signature of Authorized Representative <u>Darrell Roberts, Operations Engineer</u> Name of Person and Title (type or print) <u>Southland Royalty Company</u> Operator Telephone: <u>915 686-5600</u> Area Code
---	---