

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

OPERATOR SHELL OIL COMPANY ADDRESS P. O. BOX 991, HOUSTON, TX 77001
FIELD ANTELOPE RIDGE UNIT LEASE ANTELOPE RIDGE WELL NO. 7
LOCATION UNIT LETTER, G, 1650' FNL and 1980' FEL, SEC. 27, T23S, R34E

DEVIATION RECORD

SEE ATTACHED

Certification of personal knowledge of Deviation Record:

I hereby certify that I have personal knowledge of the data and facts placed on this form, and that such information is true and complete.

Signature

Company

STATE OF TEXAS
COUNTY OF HARRIS

Before me, the undersigned authority, on this day personally appeared A. J. FORE, known to me to be the person whose name is subscribed hereto, who, after being duly sworn, on oath states that he is acting at the direction and on behalf of the operator of the well identified in this instrument and that such well was not intentionally deviated from the vertical.

A. J. Fore
Signature

A. J. FORE

SUPERVISOR REGULATORY AND PERMITTING
Title

Sworn and Subscribed to before me, this the 2 day of June, 1981

Eddie B. Curtis Jr.
Notary Public in and for Harris County,
Texas.

EDDIE B. CURTIS JR.

Notary Public in and for Harris County, Texas.

My Commission Expires October 3, 1981

**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)		7. RRC Lease Number. (Oil completions only)
2. LEASE NAME Antelope Ridge		8. Well Number 7
3. OPERATOR Shell Oil Company		9. RRC Identification Number (Gas completions only)
4. ADDRESS P.O. Box 991, Houston, Texas 77001		10. County
5. LOCATION (Section, Block, and Survey)		Lea, N.Mex

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)
114	114	1/4	0.44	0.50	0.50
203	89	1/4	0.44	0.39	0.89
290	87	1/4	0.44	0.38	1.27
379	89	1/4	0.44	0.39	1.66
460	81	1/4	0.44	0.35	2.01
577	117	3/4	1.31	1.53	3.54
861	284	3/4	1.31	3.72	7.26
1112	251	1/2	0.87	2.18	9.44
1364	252	3/4	1.31	3.30	12.74
1616	252	1/2	0.87	2.19	14.93
1866	250	1/2	0.87	2.17	17.10
2120	254	1	1.75	4.44	21.54
2362	242	1	1.75	4.23	25.77
2620	258	3/4	1.31	3.37	29.14
2870	250	1-1/2	2.62	6.55	35.69
3120	250	1/2	0.87	2.17	37.86

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 _____ feet = _____ 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?
(If the answer to the above question is "yes", attach written explanation of the circumstances.)

<p>INCLINATION DATA CERTIFICATION</p> <p>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.</p> <p align="center"><i>[Signature]</i></p> <p>Signature of Authorized Representative John L. Fox, Office Mgr.</p> <p>Name of Person and Title (type or print) Santa Fe Drilling Co. (Western)</p> <p>Name of Company</p> <p>Telephone: 915 367-4181</p> <p align="center">Area Code</p>	<p>OPERATOR CERTIFICATION</p> <p>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.</p> <p align="center">_____ Signature of Authorized Representative</p> <p>Name of Person and Title (type or print)</p> <p>Operator</p> <p>Telephone: _____</p> <p align="center">Area Code</p>
--	--

Railroad Commission Use Only:

Approved By: _____ Title: _____ Date: _____

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

RECORD OF INCLINATION (Continued from reverse side)

*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)
3371	251	1	1.75	4.39	42.25
3608	237	1/2	0.87	2.06	44.31
3840	232	2	3.49	8.09	52.40
3966	126	3	5.23	6.58	58.98
4028	62	3-3/4	6.54	4.05	63.03
4080	52	3-1/2	6.11	3.17	66.20
4122	42	3	5.23	2.19	68.39
4180	58	3-1/4	5.67	3.28	71.67
4247	67	3	5.23	3.50	75.17
4310	63	3-3/4	6.54	4.12	79.29
4370	60	2-3/4	4.80	2.88	82.17
4434	64	3-1/4	5.67	3.62	85.79
4496	62	2-3/4	4.80	2.97	88.76
4556	60	3	5.23	3.13	91.89
4620	64	3-1/4	5.67	3.62	95.51
4650	30	2-3/4	4.80	1.44	96.95
4745	95	2-1/2	4.36	4.14	101.09
4807	62	2	3.49	2.16	103.25
4869	62	1-3/4	3.05	1.89	105.14
4932	63	1-1/4	2.18	1.37	106.51
5060	128	1/2	0.87	1.11	107.62
5270	210	1/2	0.87	1.82	109.44
5590	320	1/2	0.87	2.78	112.22
5913	323	1/2	0.87	2.81	115.03
6225	312	1	1.75	5.46	120.49
6541	316	1	1.75	5.53	126.02
6823	282	1	1.75	4.93	130.95
7106	283	1/2	0.87	2.46	133.41
7417	311	1-1/2	2.62	8.14	141.55
7725	308	1-1/4	2.18	6.71	148.26
8006	281	3/4	1.31	3.68	151.94
8295	289	3/4	1.31	3.78	155.72
8418	123	3/4	1.31	1.61	157.33
8790	372	1	1.75	6.51	163.84
9108	318	1	1.75	5.56	169.40
9421	313	1-3/4	3.05	9.54	178.94
9702	281	1-1/2	2.62	7.36	186.30
9985	283	1	1.75	4.95	191.25
10,266	281	1-1/4	2.18	6.12	197.37
10,440	174	2-1/4	3.93	6.83	204.20
10,670	230	2-1/4	3.93	9.03	213.23

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

REMARKS: _____

- 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.

RECEIVED
JUN 11 1987
OIL CONSTRUCTION DIV

**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)		7. RRC Lease Number. (Oil completions only)
2. LEASE NAME Antelope Ridge		8. Well Number 7
3. OPERATOR Shell Oil Company		9. RRC Identification Number (Gas completions only)
4. ADDRESS P.O. Box 991, Houston, Texas 77001		10. County
5. LOCATION (Section, Block, and Survey)		Lea, N.Mex

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)
10,921	251	1	1.75	4.39	217.62
11,203	282	2-3/4	4.80	13.53	231.15
11,484	281	2-1/4	3.93	11.04	242.19
11,930	446	2	3.49	15.56	257.75
Cemented collars & pipe in hole.					
Plugged back to 8883'.					
8790	372	1	1.75	6.51	163.84
8885	95	1-1/4	2.18	2.07	165.91
8922	37	2-1/2	4.36	1.61	167.52
8985	63	3-1/2	6.11	3.84	171.36
9051	66	3-1/2	6.11	4.03	175.39
9146	95	2	3.49	3.31	178.70
9240	94	2-1/4	3.93	3.69	182.39
9302	62	1-3/4	3.05	1.89	184.28
9425	123	2-1/2	4.36	5.36	189.64
9629	204	1-3/4	3.05	6.22	195.86

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 13,575 feet = 280.74 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? _____
(If the answer to the above question is "yes", attach written explanation of the circumstances.)

<p>INCLINATION DATA CERTIFICATION</p> <p>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.</p> <p><i>John L. Fox</i> _____ Signature of Authorized Representative</p> <p>John L. Fox, Office Mgr. _____ Name of Person and Title (type or print)</p> <p>Santa Fe Drilling Co. (Western) _____ Name of Company</p> <p>Telephone: <u>915</u> <u>367-4181</u> Area Code</p>	<p>OPERATOR CERTIFICATION</p> <p>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.</p> <p>_____ Signature of Authorized Representative</p> <p>_____ Name of Person and Title (type or print)</p> <p>_____ Operator</p> <p>_____ Telephone: Area Code</p>
---	---

Railroad Commission Use Only:

Approved By: _____ Title: _____ Date: _____

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

