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TRANSPORTER	OIL GAS
OPERATOR	
PRORATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-104

Supersedes Old C-104 and C-111
Effective 1-1-65REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Operator Shell Oil Company	
Address P. O. Box 991, Houston, Texas 77001	
Reason(s) for filing (Check proper box)	Other (Please explain)
New Well <input checked="" type="checkbox"/>	Change in Transporter of: Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Recompletion <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>
Change in Ownership <input type="checkbox"/>	

If change of ownership give name
and address of previous owner

I. DESCRIPTION OF WELL AND LEASE

Lease Name Antelope Ridge Unit	Well No. 6	Pool Name, Including Formation Atoka/Morrow	Kind of Lease State, Federal or Fee	Lease No.
Location Unit Letter G 1980' Feet From The N Line and 1980 Feet From The E Line of Section 3 Township 24S Range 34E, NMPM, Lea County				

II. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) P. O. Box 1598, Hobbs, New Mexico 88240
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent) P. O. Box 991, Houston, Texas 77001
If well produces oil or liquids, give location of tanks.	Unit N Sec. 27 Twp. 23S Rge. 34E Is gas actually connected? Yes When 12/26/79

If this production is commingled with that from any other lease or pool, give commingling order number: No

V. COMPLETION DATA

Designate Type of Completion - (X)		Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded 5-14-79		Date Compl. Ready to Prod. 12-26-79		Total Depth 13,758'		P.B.T.D. 13,643'			
Elevations (DF, RKB, RT, GR, etc.) 3499'		Name of Producing Formation Atoka		Top Oil/Gas Pay 12,401'		Tubing Depth 11,480'			
Perforations 12,401-12,802'						Depth Casing Shoe 13758			
TUBING, CASING, AND CEMENTING RECORD									
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT				
6 1/2"	5 1/2" 2 7/8"		13,758		380 Sx				

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test-MCF/D 2372	Length of Test 4 hours	Bbls. Condensate/MMCF 20.0	Gravity of Condensate 56
Testing Method (spot, back pr.) 4 point	Tubing Pressure (Shut-in) 3898	Casing Pressure (Shut-in) Packer	Choke Size 32/64

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

A. J. Fore
(Signature)
Sr. Engrg. Tech.
(Title)
12/26/79
(Date)

OIL CONSERVATION COMMISSION

APPROVED DEC 26 1979, 19
BY [Signature]
TITLE SUPERVISOR DISTRICT 1

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

OPERATOR Shell Oil Company ADDRESS P. O. Box 991, Houston, Texas 77001
FIELD Antelope Ridge LEASE Antelope Ridge Unit WELL NO. 6
LOCATION 1980' FNL & FEL Unit Letter G Section 3, T24S, R34E, Lea County, N.M.

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

Sr. Engr. Tech.
Title

Sworn and Subscribed to before me, this the 27th day of December, 1979

MARJORIE BOATMAN
Notary Public in and for Harris County, Texas
My Commission Expires November 6, 1981

Marjorie Boatman
Notary Public in and for Harris County,
Texas.

**RAILROAD COMMISSION OF
OIL AND GAS DIVISION**

Form W-12
(1-t-71)

INCLINATION REPORT (One Copy Must Be Filled 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 Unit		8. Well Number 6
3. OPERATOR Shell Oil Company. Midcontinent Division		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

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)
59	59	1/2	0.87	0.51	0.51
119	60	1/2	0.87	0.52	1.03
263	144	1/2	0.87	1.25	2.28
450	187	1	1.75	3.27	5.55
555	105	3/4	1.31	1.37	6.92
742	187	3/4	1.31	2.44	9.36
1052	310	3/4	1.31	4.06	13.42
1267	215	1	1.75	3.76	17.18
1546	279	1	1.75	4.88	22.06
1870	324	1	1.75	5.67	27.73
2268	398	1-3/4	3.05	12.13	39.86
2453	185	2	3.49	6.45	46.31
2640	187	2	3.49	6.52	52.83
2891	251	2-1/2	4.36	10.94	63.77
2984	93	2	3.49	3.24	67.01
3047	63	3	5.23	3.29	70.30

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, 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>Signature of Authorized Representative John L. Fox, Office Mgr</p> <p>Name of Person and Title (type or print) A. W. Thompson, Inc.</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, 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: _____</p> <p align="center">Area Code</p>
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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)
3085	38	2-3/4	4.80	1.82	72.12
3140	55	3	5.23	2.87	74.99
3165	25	3	5.23	1.30	76.29
3203	38	2-3/4	4.80	1.82	78.11
3267	64	2-3/4	4.80	3.07	81.18
3330	63	2-1/2	4.36	2.74	83.92
3392	62	2-1/4	3.93	2.43	86.35
3454	62	2-1/2	4.36	2.70	89.05
3515	61	2	3.49	2.16	91.21
3578	63	2-3/4	4.80	3.02	94.23
3642	64	2	3.49	2.23	96.46
3703	61	2	3.49	2.12	98.58
3765	62	1-3/4	3.05	1.89	100.47
3858	93	1-1/4	2.18	2.02	102.49
3967	109	1-1/4	2.18	2.37	104.86
4110	143	1	1.75	2.50	107.36
4301	191	3/4	1.31	2.50	109.86
4486	185	3/4	1.31	2.42	112.28
4740	254	2	3.49	8.86	121.14
4834	94	2-1/4	3.93	3.69	124.83
4928	94	2-1/4	3.93	3.69	128.52
5023	95	1-1/4	2.18	2.07	130.59
5150	127	1-3/4	3.05	3.87	134.46
5245	95	1-1/2	2.62	2.48	136.94
5477	232	1-1/4	2.18	5.05	141.99
5720	243	1-1/4	2.18	5.29	147.28
6033	313	1-1/4	2.18	6.82	154.10
6377	344	1	1.75	6.02	160.12
6718	341	3/4	1.31	4.46	164.58
7151	433	3/4	1.31	5.67	170.25
7583	432	3/4	1.31	5.65	175.90
8014	431	3/4	1.31	5.64	181.54
8472	458	3/4	1.31	5.99	187.53
8964	492	3/4	1.31	6.44	193.97
9454	490	2	3.49	17.10	211.07
9548	94	2	3.49	3.28	214.35
9639	91	2	3.49	3.17	217.52
9733	94	1-1/2	2.62	2.46	219.98
9826	93	1-1/2	2.62	2.43	222.41
10,107	281	3/4	1.31	3.68	226.09
10,510	403	1-3/4	3.05	12.29	238.38

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.

**RAILROAD COMMISSION OF
OIL AND GAS DIVISION**

Form W-12
(1-1-71)

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2. LEASE NAME Antelope Ridge Unit		8. Well Number 6
3. OPERATOR Shell Oil Company, Mid-Continent Division		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

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)
10,574	64	2-1/2	4.36	2.79	241.17
10,680	106	1-3/4	3.05	3.23	244.40
10,776	96	2	3.49	3.35	247.75
10,876	100	2	3.49	3.49	251.24
10,963	87	1-1/4	2.18	1.89	253.13
11,139	176	1	1.75	3.08	256.21
11,212	73	1	1.75	1.27	257.48
11,431	219	1/2	0.87	1.90	259.38
11,650	219	1-1/2	2.62	5.73	265.11
11,776	126	1	1.75	2.20	267.31
12,180	404	1	1.75	7.07	274.38
12,520	340	1	1.75	5.95	280.33
12,777	257	1-1/4	2.18	5.60	285.93
12,906	129	1	1.75	2.25	288.18
13,128	222	1-3/4	3.05	6.77	294.95
13,312	184	1-1/4	2.18	4.01	298.96

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 13,760 feet = 308.72 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.)

INCLINATION DATA CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, 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.

Signature of Authorized Representative

John L. Fox, Office Mgr

Name of Person and Title (type or print)

A. W. Thompson, Inc

Name of Company

Telephone: **915** **367-4181**

Area Code

OPERATOR CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, 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.

Signature of Authorized Representative

Name of Person and Title (type or print)

Operator

Telephone: _____

Area Code

Railroad Commission Use Only:

Approved By: _____ Title: _____ Date: _____

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