RAILROAD COMMISSION OF TEXAS
Oil and Gas Division
PO Box 12967
Austin TX 78711-2967
www.rrc state tx us

CERTIFICATE OF COMPLIANCE AND TRANSPORTATION AUTHORITY

READ INSTRUCTIONS ON BACK

P-4
5/02—WWW-1

1. Field name exactly as shown on proration schedule	2. Lease name as shown on proration schedule			
Spraberry (Trend Area)	Woody "36"			
3. Current operator name exactly as shown on P-5 Organization Report	4. Operator P-5 no.	5. Oil Lse/Gas ID no.	6. County	7. RRC district
Athlon Energy Operating LLC	036047	35729	Martin	08
8. Operator address including city, state, and zip code	9. Well no(s) *(see instruction E)*			
420 Throckmorton St Ste. 1200 Fort Worth, Tx. 76102	All			
	10. Classification ☒ Oil ☐ Gas ☐ Other *(see instruction A)*		11 Effective Date 01/01/14	

12 Purpose of Filing (Complete section a or b below.) *(See instructions B and G)*

a. Change of: ☐ operator ☒ oil or condensate gatherer ☐ gas gatherer ☐ gas purchaser ☐ gas purchaser system code
☐ field name from: _____
☐ lease name from: _____

OR

b. New RRC Number for: ☐ oil lease ☐ gas well ☐ other well (specify)_____ **Due to:** ☐ new completion or recompletion ☐ reclass oil to gas ☐ reclass gas to oil ☐ consolidation, unitization, or subdivision (oil lease only)

13. Authorized GAS WELL GAS or CASINGHEAD GAS Gatherer(s) and/or Purchaser(s). *(See instruction G).*

Gatherer	Purchaser	Name of GAS WELL GAS or CASINGHEAD GAS Gatherer(s) or Purchaser(s) As Indicated in Columns to the Left *(Attach an additional sheet in same format if more space is needed)*	Purchaser's RRC Assigned System Code	Percent of Take	Full-well stream
X	X	DCP Midstream LP	0001	100	

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14. Authorized OIL or CONDENSATE Gatherer(s). *(See instruction G).*

Name of OIL or CONDENSATE Gatherer(s) - List Highest Volume Gatherer First *(Attach an additional sheet in same format if more space is needed)*	Percent of Take
Occidental Energy Trans. LLC	100

RRC USE ONLY
Reviewer's initials: DB
Approval date: 12/10/13

15. PREVIOUS OPERATOR CERTIFICATION FOR CHANGE OF OPERATOR P-4 FILING. Being the PREVIOUS OPERATOR, I certify that operating responsibility for the well(s) designated in this filing, located on the subject lease has been transferred in its entirety to the above named Current Operator. I understand, as Previous Operator, that designation of the above named operator as Current Operator is not effective until this certificate is approved by the Commission.

Name of Previous Operator _____ Signature _____

Name (print) _____ ☐ **Authorized Employee of previous operator** ☐ **Authorized agent of previous operator** *(see instruction G)*

Title _____ Date _____ Phone with area code _____

16. CURRENT OPERATOR CERTIFICATION. By signing this certificate as the Current Operator, I certify that all statements on this form are true and correct and I acknowledge responsibility for the regulatory compliance of the subject lease including plugging of well(s) pursuant to Rule 14 I further acknowledge that I assume responsibility for the physical operation, control, and proper plugging of each well designated in this filing. I also acknowledge that I will remain designated as the Current Operator until a new certificate designating a new Current Operator is approved by the Commission.

Ann Burdette Wiley
Name (print)

Signature

Regulatory Manager
Title

☒ **Authorized Employee of current operator** ☐ **Authorized agent of current operator** *(see instruction G)*

E-mail Address (optional) _____ Date 12/4/13 Phone with area code (817) 984-8200

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CERTIFICATE OF COMPLIANCE AND TRANSPORTATION AUTHORITY

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P-4
5/02
www-1

1 Field name exactly as shown on proration schedule Spraberry (Trend Area)		2. Lease name as shown on proration schedule Woody "36"		
3 Current operator name exactly as shown on P-5 Organization Report Athlon Energy Operating LLC	4 Operator P-5 no 036047	5 Oil Lse/Gas ID no. 35729	6. County Martin	7. RRC district 08
8. Operator address including city, state, and zip code 420 Throckmorton, Suite 1200 Fort Worth, Texas 76102	9 Well no(s) (*see instruction E*) All well on lease			
	10 Classification X Oil ☐ Gas ☐ Other (*see instruction A*)		11. Effective Date 9/12/2012	

12 Purpose of Filing (Complete section a or b below.) (See *instructions B and G*)

a. Change of: ☐ operator X oil or condensate gatherer ☐ gas gatherer ☐ gas purchaser ☐ gas purchaser system code
☐ field name from: _____
☐ lease name from. _____

OR

b. New RRC Number for: ☐ oil lease ☐ gas well ☐ other well (specify)_____ **Due to:** ☐ new completion or recompletion ☐ reclass oil to gas ☐ reclass gas to oil ☐ consolidation, unitization, or subdivision (oil lease only)

13. Authorized GAS WELL GAS or CASINGHEAD GAS Gatherer(s) and/or Purchaser(s). (*See instruction G*).

Gatherer	Purchaser	Name of GAS WELL GAS or CASINGHEAD GAS Gatherer(s) or Purchaser(s) As Indicated in Columns to the Left (*Attach an additional sheet in same format if more space is needed*)	Purchaser's RRC Assigned System Code	Percent of Take	Full-well stream
X	X	WTG Gas Processing. LP (945227)	0001	100.	

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14. Authorized OIL or CONDENSATE Gatherer(s). (*See instruction G*).

Name of OIL or CONDENSATE Gatherer(s) - List Highest Volume Gatherer First (*Attach an additional sheet in same format if more space is needed*)	Percent of Take
Enterprise ~~Trucking~~ Crude Oil LLC	50
Occidental Energy Trans. LLC (617542) OCCet	50

RRC USE ONLY
Reviewer's initials: LE
Approval date: 10-1-12

15. PREVIOUS OPERATOR CERTIFICATION FOR CHANGE OF OPERATOR P-4 FILING. Being the PREVIOUS OPERATOR, I certify that operating responsibility for the well(s) designated in this filing, located on the subject lease has been transferred in its entirety to the above named Current Operator. I understand, as Previous Operator, that designation of the above named operator as Current Operator is not effective until this certificate is approved by the Commission.

Name of Previous Operator _____ Signature _____

Name (print) _____ ☐ **Authorized Employee of previous operator** ☐ **Authorized agent of previous operator** (*see instruction G*)

Title _____ Date _____ Phone with area code _____

16. CURRENT OPERATOR CERTIFICATION. By signing this certificate as the Current Operator, I certify that all statements on this form are true and correct and I acknowledge responsibility for the regulatory compliance of the subject lease including plugging of well(s) pursuant to Rule 14. I further acknowledge that I assume responsibility for the physical operation, control, and proper plugging of each well designated in this filing I also acknowledge that I will remain designated as the Current Operator until a new certificate designating a new Current Operator is approved by the Commission.

Tyna Carter
Name (print) _____ Signature Tyna Carter

Field Analyst
Title _____ ☒ **Authorized Employee of current operator** ☐ **Authorized agent of current operator** (*see instruction G*)

tcarter@athlonenergy.com
E-mail Address (optional) _____ 9/12/2012 Date _____ 432-561-9090 Phone with area code _____

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CERTIFICATE OF COMPLIANCE AND TRANSPORTATION AUTHORITY

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P-4
5/02
EAG0502

1. Field name exactly as shown on proration schedule SPRABERRY (TREND AREA)		2. Lease name as shown on proration schedule WOODY 36		
3. Current operator name exactly as shown on P-5 Organization Report SandRidge Exploration & Production, LLC	4. Operator P-5 no. 748011	5. Oil Lse/Gas ID no. 35729	6 County MARTIN	7 RRC district 08
8. Operator address including city, state, and zip code 123 Robert S. Kerr Ave Oklahoma City, OK 73102	9. Well no(s) (*see instruction E*) 2,3			
	10. Classification ☒ Oil ☐ Gas ☐ Other (*see instruction A*)		11. Effective date 1/1/10	

12. Purpose of Filing. (Complete section a or b below.) *(See instructions B and G)*

a **Change of:** ☒ operator ☐ oil or condensate gatherer ☐ gas gatherer ☐ gas purchaser ☐ gas purchaser system code
☐ field name from: _____
☐ lease name from: _____

OR

b. **New RRC Number for:** ☐ oil lease ☐ gas well ☐ other well (specify) _____ **Due to:** ☐ new completion or recompletion ☐ reclass oil to gas ☐ reclass gas to oil ☐ consolidation, unitization, or subdivision (oil lease only)

13. Authorized GAS WELL GAS or CASINGHEAD GAS Gatherer(s) and/or Purchaser(s). *(See Instruction G)*

Gatherer	Purchaser	Name of GAS WELL GAS or CASINGHEAD GAS Gatherer(s) or Purchaser(s) As Indicated in Columns to the Left *(Attach an additional sheet in same format if more space is needed)*	Purchaser's RRC Assigned System Code	Percent of Take	Full-well stream
X	X	WTG GAS PROCESSING LP	0001	100	

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AUSTIN TX

14. Authorized OIL or CONDENSATE Gatherer(s). *(See instruction G)*

Name of OIL or CONDENSATE Gatherer(s) - List Highest Volume Gatherer First *(Attach an additional sheet in same format if more space is needed)*	Percent of Take
TEPPCO CRUDE OIL LLC	100

RRC USE ONLY
Reviewer's initials: AB
Approval date: 1-6-10

15. PREVIOUS OPERATOR CERTIFICATION FOR CHANGE OF OPERATOR P-4 FILING. Being the PREVIOUS OPERATOR, I certify that operating responsibility for the well(s) designated in this filing, located on the subject lease has been transferred in its entirety to the above named Current Operator. I understand, as Previous Operator, that designation of the above named operator as Current Operator is not effective until this certificate is approved by the Commission.

Forest Oil Corporation
Name of Previous Operator

Scott Laverde
Signature

Scott Laverde
Name (print)

☒ **Authorized Employee of previous operator** ☐ **Authorized agent of previous operator** *(see instruction G)*

Vice President - Acquisitions & Divestitures
Title

12/21/09
Date

303-812-1637
Phone with area code

16. CURRENT OPERATOR CERTIFICATION. By signing this certificate as the Current Operator, I certify that all statements on this form are true and correct and I acknowledge responsibility for the regulatory compliance of the subject lease including plugging of well(s) pursuant to Rule 14. I further acknowledge that I assume responsibility for the physical operation, control, and proper plugging of each well designated in this filing. I also acknowledge that I will remain designated as the Current Operator until a new certificate designating a new Current Operator is approved by the Commission

Terri Stathem
Name (print)

Terri Stathem
Signature

Regulatory Supervisor
Title

☒ **Authorized Employee of current operator** ☐ **Authorized agent of current operator** *(see instruction G)*

Tstathem@sdrge.com
E-mail Address (optional)

12-21-09
Date

405-429-5682
Phone with area code

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CERTIFICATE OF COMPLIANCE AND TRANSPORTATION AUTHORITY

P-4
5/02—WWW-1

READ INSTRUCTIONS ON BACK

1. Field name exactly as shown on proration schedule Spraberry (Trend AREA)		2. Lease name as shown on proration schedule Woody "36"		
3. Current operator name exactly as shown on P-5 Organization Report Encana Oil & Gas (USA)	4. Operator P-5 no. 251691	5. Oil Lse/Gas ID no 35729	6. County Martin	7. RRC district 08
8. Operator address including city, state, and zip code 370 17th st suite 1500 Denver CO 80202	9. Well no(s) (*see instruction E*) 3,4,5,6,7,8,9			
	10. Classification [x] Oil [ ] Gas [ ] Other (*see instruction A*)		11. Effective Date 06/01/18	

12. Purpose of Filing. (Complete section a or b below.) (See *instructions B and G*)

a. Change of: [ ] operator [x] oil or condensate gatherer [ ] gas gatherer [ ] gas purchaser [ ] gas purchaser system code
[ ] field name from: _____
[ ] lease name from: _____

OR

b. New RRC Number for: [ ] oil lease [ ] gas well [ ] other well (specify)_____ **Due to:** [ ] new completion or recompletion [ ] reclass oil to gas [ ] reclass gas to oil [ ] consolidation, unitization, or subdivision (oil lease only)

13. Authorized GAS WELL GAS or CASINGHEAD GAS Gatherer(s) and/or Purchaser(s). (*See instruction G*).

Gatherer	Purchaser	Name of GAS WELL GAS or CASINGHEAD GAS Gatherer(s) or Purchaser(s) As Indicated in Columns to the Left (*Attach an additional sheet in same format if more space is needed*)	Purchaser's RRC Assigned System Code	Percent of Take	Full-well stream
x	x	WTG Gas Processing, L.P.(945227)	001	100	

14. Authorized OIL or CONDENSATE Gatherer(s). (*See instruction G*).

Name of OIL or CONDENSATE Gatherer(s) - List Highest Volume Gatherer First (*Attach an additional sheet in same format if more space is needed*)	Percent of Take
BML, INC. B.	100

RRC USE ONLY
Reviewer's initials: _____
Approval date: 5/30/18

15. PREVIOUS OPERATOR CERTIFICATION FOR CHANGE OF OPERATOR P-4 FILING. Being the PREVIOUS OPERATOR, I certify that operating responsibility for the well(s) designated in this filing, located on the subject lease has been transferred in its entirety to the above named Current Operator. I understand, as Previous Operator, that designation of the above named operator as Current Operator is not effective until this certificate is approved by the Commission.

Name of Previous Operator _____ Signature _____

Name (print) _____ [ ] **Authorized Employee of previous operator** [ ] **Authorized agent of previous operator** (*see instruction G*)

Title _____ Date _____ Phone with area code _____

16. CURRENT OPERATOR CERTIFICATION. By signing this certificate as the Current Operator, I certify that all statements on this form are true and correct and I acknowledge responsibility for the regulatory compliance of the subject lease including plugging of well(s) pursuant to Rule 14. I further acknowledge that I assume responsibility for the physical operation, control, and proper plugging of each well designated in this filing. I also acknowledge that I will remain designated as the Current Operator until a new certificate designating a new Current Operator is approved by the Commission.

Allison Schieber
Name (print)

Allison Schieber
Signature

Regulatory Analyst
Title

[x] **Authorized Employee of current operator** [ ] **Authorized agent of current operator** (*see instruction G*)

Allison.schieber@encana.com
E-mail Address (optional)

05/22/18
Date

7208763483
Phone with area code

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CERTIFICATE OF COMPLIANCE AND TRANSPORTATION AUTHORITY

READ INSTRUCTIONS ON BACK

P-4
5/02
EAG0502

1. Field name exactly as shown on proration schedule	2. Lease name as shown on proration schedule			
Spraberry (Trend Area)	Woody "36"			
3. Current operator name exactly as shown on P-5 Organization Report	4. Operator P-5 no.	5. Oil Lse/Gas ID no.	6. County	7. RRC district
Forest Oil Corp.	275740	35729	Midland	8
8. Operator address including city, state, and zip code	9. Well no(s) *(see instruction E)*			
1600 Broadway Suite 2200 Denver, CO 80202	10. Classification [X] Oil [ ] Gas [ ] Other *(see instruction A)*		11. Effective date 8/01/03	

12. Purpose of Filing. (Complete section a or b below.) *(See instructions B and G)*

a. **Change of:** [X] operator [ ] oil or condensate gatherer [ ] gas gatherer [ ] gas purchaser [ ] gas purchaser system code
[ ] field name from: _____
[ ] lease name from: _____

--- OR ---

b. **New RRC Number for:** [ ] oil lease [ ] gas well [ ] other well (specify) _____ **Due to:** [ ] new completion or recompletion [ ] reclass oil to gas [ ] reclass gas to oil [ ] consolidation, unitization, or subdivision (oil lease only)

13. Authorized GAS WELL GAS or CASINGHEAD GAS Gatherer(s) and/or Purchaser(s). *(See Instruction G).*

Gatherer	Purchaser	Name of GAS WELL GAS or CASINGHEAD GAS Gatherer(s) or Purchaser(s) As Indicated in Columns to the Left *(Attach an additional sheet in same format if more space is needed)*	Purchaser's RRC Assigned System Code	Percent of Take	Full-well stream
X	X	WTG Gas Processing, L.P.	0001	100%	

14. Authorized OIL or CONDENSATE Gatherer(s). *(See instruction G).*

Name of OIL or CONDENSATE Gatherer(s) - List Highest Volume Gatherer First *(Attach an additional sheet in same format if more space is needed)*	Percent of Take
TEPPCO Crude Oil, L.P.	100%

RRC USE ONLY
Reviewer's initials: LL
Approval date: 8-15-03

15. PREVIOUS OPERATOR CERTIFICATION FOR CHANGE OF OPERATOR P-4 FILING. Being the PREVIOUS OPERATOR, I certify that operating responsibility for the well(s) designated in this filing, located on the subject lease has been transferred in its entirety to the above named Current Operator. I understand, as Previous Operator, that designation of the above named operator as Current Operator is not effective until this certificate is approved by the Commission.

OXY USA WTP LP
Name of Previous Operator

Richard E. Foppiano
Signature

Richard E. Foppiano
Name (print)

[X] Authorized Employee of previous operator [ ] Authorized agent of previous operator *(see instruction G)*

Regulatory Team Leader
Title

7/29/03
Date

(281) 552-1303
Phone with area code

16. CURRENT OPERATOR CERTIFICATION. By signing this certificate as the Current Operator, I certify that all statements on this form are true and correct and I acknowledge responsibility for the regulatory compliance of the subject lease including plugging of well(s) pursuant to Rule 14. I further acknowledge that I assume responsibility for the physical operation, control, and proper plugging of each well designated in this filing. I also acknowledge that I will remain designated as the Current Operator until a new certificate designating a new Current Operator is approved by the Commission.

Peggy J. Goss
Name (print)

Peggy J. Goss
Signature

Regulatory Specialist
Title

[X] Authorized Employee of current operator [ ] Authorized agent of current operator *(see instruction G)*

pjgoss@forestoil.com
E-mail Address (optional)

08/12/03
Date

303-812-1655
Phone with area code

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Oil and Gas Division
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CERTIFICATE OF COMPLIANCE AND TRANSPORTATION AUTHORITY

READ INSTRUCTIONS ON BACK

P-4
5/02
EAG0502

1. Field name exactly as shown on proration schedule	2. Lease name as shown on proration schedule			
Spraberry (Trend Area)	Woody "36"			
3. Current operator name exactly as shown on P-5 Organization Report	4. Operator P-5 no.	5. Oil Lse/Gas ID no.	6. County	7. RRC district
OXY USA WTP LP	630555	35729	Midland	8
8. Operator address including city, state, and zip code	9. Well no(s) (*see instruction E*)			
P.O. Box 4294 Houston, TX 77210-4294	10. Classification [X] Oil [ ] Gas [ ] Other (*see instruction A*)		11. Effective date July 1, 2003	

12. Purpose of Filing. (Complete section a or b below.) *(See instructions B and G)*

a. **Change of:** [X] operator [ ] oil or condensate gatherer [ ] gas gatherer [ ] gas purchaser [ ] gas purchaser system code
[ ] field name from: _____
[ ] lease name from: _____

OR

b. **New RRC Number for:** [ ] oil lease [ ] gas well [ ] other well (specify) _____ **Due to:** [ ] new completion or recompletion [ ] reclass oil to gas [ ] reclass gas to oil [ ] consolidation, unitization, or subdivision (oil lease only)

13. Authorized GAS WELL GAS or CASINGHEAD GAS Gatherer(s) and/or Purchaser(s). *(See Instruction G).*

Gatherer	Purchaser	Name of GAS WELL GAS or CASINGHEAD GAS Gatherer(s) or Purchaser(s) As Indicated in Columns to the Left *(Attach an additional sheet in same format if more space is needed)*	Purchaser's RRC Assigned System Code	Percent of Take	Full-well stream
X	X	WTG Gas Processing, L.P.	0001	100%	

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14. Authorized OIL or CONDENSATE Gatherer(s). *(See instruction G).*

Name of OIL or CONDENSATE Gatherer(s) - List Highest Volume Gatherer First *(Attach an additional sheet in same format if more space is needed)*	Percent of Take
TEPPCO Crude Oil, L.P.	100%

RRC USE ONLY
Reviewer's initials: [illegible]
Approval date: 6-18-03

15. PREVIOUS OPERATOR CERTIFICATION FOR CHANGE OF OPERATOR P-4 FILING. Being the PREVIOUS OPERATOR, I certify that operating responsibility for the well(s) designated in this filing, located on the subject lease has been transferred in its entirety to the above named Current Operator. I understand, as Previous Operator, that designation of the above named operator as Current Operator is not effective until this certificate is approved by the Commission.

BP America Production Company
Name of Previous Operator

Amy T. Spang
Signature

Amy T. Spang
Name (print)

[X] **Authorized Employee of previous operator** [ ] **Authorized agent of previous operator** *(see instruction G)*

Regulatory Compliance Analyst
Title

June 4, 2003
Date

(281) 366-7655
Phone with area code

16. CURRENT OPERATOR CERTIFICATION. By signing this certificate as the Current Operator, I certify that all statements on this form are true and correct and I acknowledge responsibility for the regulatory compliance of the subject lease including plugging of well(s) pursuant to Rule 14. I further acknowledge that I assume responsibility for the physical operation, control, and proper plugging of each well designated in this filing. I also acknowledge that I will remain designated as the Current Operator until a new certificate designating a new Current Operator is approved by the Commission.

Rick Foppiano
Name (print)

Richard E. Foppiano
Signature

Regulatory Team Leader
Title

[X] **Authorized Employee of current operator** [ ] **Authorized agent of current operator** *(see instruction G)*

Rick Foppiano@oxy.com
E-mail Address (optional)

June 4, 2003
Date

(281) 552-1303
Phone with area code

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

PRODUCER'S TRANSPORTATION AUTHORITY AND CERTIFICATE OF COMPLIANCE

FORM P-4

5/90

READ INSTRUCTIONS ON BACK

1. Field name exactly as shown on proration schedule: Spraberry (Trend Area)	2. Lease name: Woody "36" 35729		
3. Operator name exactly as shown on P-5 Organization Report: ARCO Permian	4. Operator P-5 no.: 029347	5. Oil lease no.: NA ~~35728~~	6. RRC district no.: 8
7. Operator address including city, state, and zip code: P.O. Box 1610, Midland, Texas 79702	8. County in which oil lease or gas well is actually located: Midland	9. Gas ID no.	10. Gas well no.
		11. Effective date: April 1, 1998	

12. GAS WELL GAS OR CASINGHEAD GAS. Additional space and example on reverse side.

Type Operation: gatherer	purchaser	nominator	Name of gatherer, purchaser, and/or nominator as indicated in type operation columns. NOTE: For each purchaser, give its RRC-assigned system code and identify the market. If applicable, place an "X" in the full-well stream column for the gatherer.	RRC USE ONLY: G/P/N Code	Purchaser's RRC Assigned System Code	Purchaser's Market: Inter-state	Intra-state	Percent of Take	Full-well stream

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13. NAME OF OIL OR CONDENSATE GATHERER(S) List highest volume gatherer first

	Percent of Take	RRC USE ONLY: Gath. code
Mesa Pipe Line Co.	100%	MESHS

14. PURPOSE OF FILING. Remarks: Venting csghd gas

a. [X] New oil lease [ ] New gas well
[ ] Reclassification (oil to gas or gas to oil)
[ ] Consolidation, unitization or subdivision

b. CHANGE [ ] Gatherer [ ] Nominator
[ ] Purchaser [ ] Purchaser's system code

RRC USE ONLY
Approved (initials) _____ Oper. No. _____
Date _____ Field No. _____
Remarks:

c. CHANGE FROM
[X] Operator Terrace Petroleum Corporation (on W-1)
[ ] Field Name _____
[ ] Lease Name _____

15. OPERATOR CHANGE. Being the PREVIOUS OPERATOR, I certify that operating responsibility for wells located on the subject lease has been transferred in its entirety to the above named Current Operator. I understand, as Previous Operator, that designation of the above named operator as Current Operator is not effective until this certificate is approved by the Commission.

Previous Operator _____ Date _____
Signature _____ Name (Print) _____
Title _____ Phone ( )
Address with city/state/zip _____

16. CURRENT OPERATOR'S CERTIFICATION. By signing this certificate as the CURRENT OPERATOR, I acknowledge responsibility for the regulatory compliance of the subject lease, INCLUDING PLUGGING OF WELLS if required under Statewide Rule 14. I also acknowledge that I will remain designated as the Current Operator until a new certificate designating of a new Current Operator is approved by the Commission.

Signature Elizabeth A. Casbeer Name (Print) Elizabeth A. Casbeer
Title Regulatory Compliance Analyst Date April 29, 1998 Phone (915) 688-5570

I, the Current Operator, certify that the above agent is authorized to transport the above specified percentage of the allowable oil or gas produced from the above described property in accordance with the regulations of the Railroad Commission of Texas, and that this authorization will be valid until further notice or until cancelled by the Railroad Commission of Texas, and further certify that the conservation laws of the State of Texas and all rules, regulations and orders of the Railroad Commission of Texas have been complied with in respect to the property covered by this report.

[ ] check if listings are continued on reverse side.

Additional Listings for Gas Well Gas and Casinghead Gas

Type Operation: gatherer	purchaser	nominator	Name of gatherer, purchaser, and/or nominator as indicated in type operation columns NOTE: For each purchaser, give its RRC-assigned system code and identify the market. If applicable, place an "X" in the full-well stream column for the gatherer.	RRC USE ONLY G/P/N Code	Purchaser's RRC Assigned System Code	Purchaser's Market: inter-state	intra-state	Percent of Take	Full-well stream
								100%	

Example

X			All-Tex Gathering Company					25.00	
X	X	X	Trans-Tex Pipelines, Inc.		001		X	75.00	X
	X		All-Tex Oil and Gas Company		003	X		25.00	
		X	All-Tex Gasco					25.00	

INSTRUCTIONS

Form P-4: Producer's Transportation Authority
and Certificate of Compliance
Reference: Statewide Rule 58

Who Files The operator of any oil, gas well gas, condensate, and/or casinghead gas producing property in the State must file P-4 for each such property.

Purpose of Filing **The P-4 must be filed to**

- Identify all gatherers, purchasers, purchasers' RRC-assigned system codes, and nominators authorized for each oil lease or gas well. **NOTE: Except during initial testing, no production may leave the oil lease or gas well until the P-4 has been filed and a letter of approval from the Railroad Commission received by all parties.** If during initial production testing, large quantites of oil or condensate are produced, application may be made on Form P-8: Request for Clearance of Storage Tanks prior to potential test to the appropriate district office for issuance of temporary transportation authority. For initial test purposes, a gas well may produce into a pipeline without a P-4 authorization no more than 30 days.
- Certify that production from the subject property is in accordance with the laws of Texas and the rules, regulations, and orders of the Commission.
- Establish status on Commission records as operator of the subject property.
- Notify the Commission of changes in

Operator (see No. 6, below)	Field Name (see No. 7, below)	Nominator	Lease Name
Gatherer	Purchaser System Code	Purchaser	Reclassification (oil to gas or gas to oil)

or when consolidations, unitizations, or subdivisions take place (see No. 5, below).
NOTE: When filing a P-4 for changes, the form must be completed in its entirety, not just in areas being changed.

What and Where to file The original only of the P-4 is to be filed with the Railroad Commission in Austin

Oil and Gas Division
P.O. Drawer 12967 - Capitol Station
Austin, Texas 78711-2967

Revocation This authorization may be revoked by the Commission at any time for failure to comply with the oil and gas laws of the State of Texas and the rules, regulations, and orders of the Railroad Commission of Texas.

DETAILED INSTRUCTIONS

1. An effective date is required only when the P-4 is filed for changes.
2. For split connections, percentages of take must be given to no more than two decimal points. Combined percentages for gas or liquid gatherers must equal 100 percent; combined percentages for gas purchasers must equal 100 percent; and, combined percentages for gas nominators must equal 100 percent.
3. An RRC-assigned system code and market identification must be given for each purchaser listed in No. 12. If gas is going full-well stream to a processing plant, an "X" is to be placed in the last column on the line naming the gatherer of that gas.
4. If additional space is required for listings, use an attachment in the same format as Items 12 and 13, including blank areas for Railroad Commission use.
5. The following attachments must be filed for a consolidation, subdivision, or unitization:
   - Form P-6
   - Before and after plats showing changes, distances to lease line and between walls, and, if acreage is in the field's allocation formula, proration units assigned.
   - A letter certifying that there is no overproduction on the subject leases at the time of application.
6. For changes of operator:
   - The Previous Operator must complete Item 15. If impossible, leave blank and attach a letter of explanation and supporting documentation.
   - The Current (new) Operator must have a Form P-5 Organization Report on file with the Commission.
   - If a SWR 14 (b)(2) plugging extension has already been granted or is required on the subject property or any well on that property, The Current (new) Operator must make arrangements for a new extension before the P-4 change can be approved.
   - Responsibility for ALL wells on an oil lease is to be transferred. Otherwise, the lease must be subdivided.
   - After the P-4 is filled out and signed by both the Previous Operator and the Current Operator, the Previous Operator should file the P-4 with the Commission or ensure that it is filed immediately. NOTE: Responsibility for plugging and all other regulatory compliance obligations will not transfer from the Previous Operator to the Current Operator until the P-4 is filed with and approved by the Commission.
7. Field name changes, that is, transfers, must be reviewed by technical staff. If supporting documents are required, the operator will be notified.
8. To change a gas well number, submit a form G-1 or a letter of request; do not use Form P-4.

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

PRODUCER'S TRANSPORTATION AUTHORITY AND CERTIFICATE OF COMPLIANCE

FORM P-4

5/90

READ INSTRUCTIONS ON BACK

1. Field name exactly as shown on proration schedule	2. Lease name		
Spraberry (Trend Area)	Woody "36"		
3. Operator name exactly as shown on P-5 Organization Report	4. Operator P-5 no.	5. Oil lease no.	6. RRC district no.
ARCO Permian	029347	35729	8
7. Operator address including city, state, and zip code	8. County in which oil lease or gas well is actually located	9. Gas ID no.	10. Gas well no.
P.O. Box 1610 Midland, Texas 79702	Midland	11. Effective date August 10, 1998	

12. GAS WELL GAS OR CASINGHEAD GAS. Additional space and example on reverse side.

Type Operation: gatherer	purchaser	nominator	Name of gatherer, purchaser, and/or nominator as indicated in type operation columns. NOTE: For each purchaser, give its RRC-assigned system code and identify the market. If applicable, place an "X" in the full-well stream column for the gatherer.	RRC USE ONLY G/P/N Code	Purchaser's RRC Assigned System Code	Purchaser's Market: Inter-state	Purchaser's Market: Intra-state	Percent of Take	Full-well stream
X	X		LG&E Natural G&P Co.		0001		X	100%	

RECEIVED
R.R.C. - O & G
AUG 20 1998
AUSTIN, TEXAS

13. NAME OF OIL OR CONDENSATE GATHERER List highest volume gatherer first	Percent of Take	RRC USE ONLY Gath. code
Duke Energy Transport & Trading Co.	100%	

14. PURPOSE OF FILING. Remarks:
Adding csghd gas gatherer
Correcting/Changing oil gatherer

a. ■ ☐ New oil lease ☐ New gas well
☐ Reclassification (oil to gas or gas to oil)
☐ Consolidation, unitization or subdivision

b. CHANGE ■ ☒ Gatherer ☐ Nominator
☐ Purchaser ☐ Purchaser's system code

RRC USE ONLY
Approved (initials) [illegible] Oper. No.
Date 8-20-98 Field No.
Remarks:

c. CHANGE FROM
■ Operator
■ Field Name
■ Lease Name

15. OPERATOR CHANGE. Being the PREVIOUS OPERATOR, I certify that operating responsibility for wells located on the subject lease has been transferred entirety to the above named Current Operator. I understand, as Previous Operator, that designation of the above named operator as Current Operator is no effective until this certificate is approved by the Commission.

Previous Operator _____ Date _____
Signature _____ Name (Print) _____
Title _____ Phone ( )
Address with city/state/zip _____

16. CURRENT OPERATOR'S CERTIFICATION. **By signing this certificate as the CURRENT OPERATOR, I acknowledge responsibility for the regulatory compliance of the subject lease, INCLUDING PLUGGING OF WELLS if required under Statewide Rule 14. I also acknowledge that I will remain designated as the Current Operator until a new certificate designating of a new Current Operator is approved by the Commission.**

Signature Elizabeth A. Casbeer Name (Print) Elizabeth A. Casbeer
Title Regulatory Compliance Analyst Date August 17, 1998 Phone (915) 688-5570

I, the Current Operator, certify that the above agent is authorized to transport the above specified percentage of the allowable oil or gas produced from the above scribed property in accordance with the regulations of the Railroad Commission of Texas, and that this authorization will be valid until further notice or until by the Railroad Commission of Texas, and further certify that the conservation laws of the State of Texas and all rules, regulations and orders of the Railroad Commission of Texas have been complied with in respect to the property covered by this report.

☐ check if listings are continued on reverse side.

Additional Listings for Gas Well Gas and Casinghead Gas

Type Operation: gatherer	purchaser	nominator	Name of gatherer, purchaser, and/or nominator as indicated in type operation columns NOTE: For each purchaser, give its RRC-assigned system code and identify the market. If applicable, place an "X" in the full-well stream column for the gatherer.	RRC USE ONLY G/P/N Code	Purchaser's RRC Assigned System Code	Purchaser's Market: inter-state	Purchaser's Market: intra-state	Percent of Take	Full-well stream
								100%	

Example

X			All-Tex Gathering Company					25 00	
X	X	X	Trans-Tex Pipelines, Inc.		001		X	75 00	X
	X		All-Tex Oil and Gas Company		003	X		25 00	
		X	All-Tex Gasco					25.00	

INSTRUCTIONS

Form P-4: Producer's Transportation Authority
and Certificate of Compliance
Reference: Statewide Rule 58

Who Files The operator of any oil, gas well gas, condensate, and/or casinghead gas producing property in the State must file P-4 for each such property.

Purpose of Filing **The P-4 must be filed to**

- Identify all gatherers, purchasers, purchasers' RRC-assigned system codes, and nominators authorized for each oil lease or gas well. **NOTE: Except during initial testing, no production may leave the oil lease or gas well until the P-4 has been filed and a letter of approval from the Railroad Commission received by all parties.** During initial production testing, large quantites of oil or condensate are produced, application may be made on Form P-8: Request for Clearance of Storage Tanks prior to potential test to the appropriate district office for issuance of temporary transportation authority. For initial test purposes, a gas well may produce into a pipeline without a P-4 authorization no more than 30 days.
- Certify that production from the subject property is in accordance with the laws of Texas and the rules, regulations, and orders of the Commission.
- Establish status on Commission records as operator of the subject property.
- Notify the Commission of changes in

Operator (see No. 6, below)	Field Name (see No. 7, below)	Nominator	Lease Name
Gatherer	Purchaser System Code	Purchaser	Reclassification (oil to gas or gas to oil)

or when consolidations, unitizations, or subdivisions take place (see No. 5, below).
NOTE: When filing a P-4 for changes, the form must be completed in its entirety, not just in areas being changed.

What and Where to file The original only of the P-4 is to be filed with the Railroad Commission in Austin

Oil and Gas Division
P.O. Drawer 12967 - Capitol Station
Austin, Texas 78711-2967

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DETAILED INSTRUCTIONS

1. An effective date is required only when the P-4 is filed for changes.
2. For split connections, percentages of take must be given to no more than two decimal points. Combined percentages for gas or liquid gatherers must equal 100 percent; combined percentages for gas purchasers must equal 100 percent; and, combined percentages for gas nominators must equal 100 percent.
3. An RRC-assigned system code and market identification must be given for each purchaser listed in No. 12. If gas is going full-well stream to a processing plant, an "X" is to be placed in the last column on the line naming the gatherer of that gas.
4. If additional space is required for listings, use an attachment in the same format as Items 12 and 13, including blank areas for Railroad Commission use.
5. The following attachments must be filed for a consolidation, subdivision, or unitization:
   - Form P-6
   - Before and after plats showing changes, distances to lease line and between walls, and, if acreage is in the field's allocation formula, proration units assigned.
   - A letter certifying that there is no overproduction on the subject leases at the time of application.
6. For changes of operator:
   - The Previous Operator must complete Item 15. If impossible, leave blank and attach a letter of explanation and supporting documentation.
   - The Current (new) Operator must have a Form P-5 Organization Report on file with the Commission.
   - If a SWR 14 (b)(2) plugging extension has already been granted or is required on the subject property or any well on that property, The Current (new) Operator must make arrangements for a new extension before the P-4 change can be approved.
   - Responsibility for ALL wells on an oil lease is to be transferred. Otherwise, the lease must be subdivided.
   - After the P-4 is filled out and signed by both the Previous Operator and the Current Operator, the Previous Operator should file the P-4 with the Commission or ensure that it is filed immediately. NOTE: Responsibility for plugging and all other regulatory compliance obligations will not transfer from the Previous Operator to the Current Operator until the P-4 is filed with and approved by the Commission.
7. Field name changes, that is, transfers, must be reviewed by technical staff. If supporting documents are required, the operator will be notified.
8. To change a gas well number, submit a form G-1 or a letter of request; do not use Form P-4.

P Spraberry (Trend Area)
D8
35729
1,2,3

RECORD CODIFICATION
AUG 06 1999

THE UNDERSIGNED DOES HEREBY CERTIFY THAT THIS LOCATION WAS THIS DAY MADE ON THE GROUND BY ME OR UNDER MY SUPERVISION AND THAT THIS PLAT IS A CORRECT REPRESENTATION THEREOF.

DATED THIS 14TH DAY OF JANUARY, 1998

MAX A. SCHUMANN, JR.
RPLS 137

STATE OF TEXAS
REGISTERED
MAX A. SCHUMANN, JR.
137
PROFESSIONAL
LAND SURVEYOR

LOCATION PLAT

ARCO PERMIAN
RRC No. 35729

WOODY "36" LEASE

SECTION 36, BLOCK 37, T-2-N,
T&P RR CO SURVEY,

MARTIN COUNTY, TEXAS

SCALE: 1" = 1000'

PROJECT: 63575TPC
JOB NO: 63,575-C

SCHUMANN ENGINEERING CO., INC.

REGISTERED PROFESSIONAL LAND SURVEYORS
LICENSED STATE LAND SURVEYORS

REGISTERED PROFESSIONAL CIVIL ENGINEERS
TEXAS and NEW MEXICO

Civil Engineering ~ Land Surveying

408 N. PECOS STREET - P. O. BOX 504
MIDLAND, TEXAS 79702-0504

Office (915) 684-5548
Fax (915) 684-6973

T.N.R.C.C. LETTER DATED 12-18-03

Depth Plugging Record 300

13(r) Exception Filed

Surface Casing 12 3/4 350 ft.

D.V. @ ft.

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

FORM W-3
Rev. 12/92
PFR0598

34158

API NO. (if available) 42-317-~~3148~~

1. RRC District: 8

4. RRC Lease or Id. Number: 35729

~~FILE IN DUPLICATE WITH DISTRICT OFFICE OF DISTRICT IN WHICH WELL IS LOCATED WITHIN THIRTY DAYS AFTER PLUGGING~~

2. FIELD NAME (as per RRC Records): SPRAYBERRY(TREND AREA)

3. Lease Name: WOODY "36"

5. Well Number: 1

6. OPERATOR: FOREST OIL CORP.

6a. Original Form W-1 Filed in Name of:

10. County: MARTIN

7. ADDRESS: 1600 BROADWAY, STE. 2200 DENVER, CO 8

6b. Any Subsequent W-1's Filed in Name of:

11. Date Drilling Permit Issued: 1-27-98

8. Location of Well, Relative to Nearest Lease Boundaries of Lease on which this Well is Located: 660 Feet From N Line and 660 Feet From E Line of the Woody 36 Lease

12. Permit Number: 472574

9a. SECTION, BLOCK, AND SURVEY: SEC. 36; BLK 37; T&P RR CO

9b. Distance and Direction from Nearest Town in this County

13. Date Drilling Commenced: 3-8-98

16. Type Well (Oil, Gas, Dry): 1

Total Depth: 9500'

17. If Multiple Completion List All Field Names and Oil Lease or Gas ID No.'s

GAS ID or OIL LEASE #	Oil - O Gas - G	WELL #
35729		1

14. Date Drilling Completed: 3-20-98

18. If Gas, Amt, of Cond. on Hand at time of Plugging

15. Date Well Plugged: 2/10/04

CEMENTING TO PLUG AND ABANDON DATA:	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #8
*19. Commencing Date	2/5/04	2/5/04	2/5/04	2/6/04	2/9/04	2/10/04	2/10/04	
20. Size of Hole or Pipe in which Plug Placed (inches)	4-1/2"	4-1/2"	4-1/2"	8-5/8"	8-5/8"	12-3/8"	12-3/8"	
21. Depth to Bottom of Tubing or Drill Pipe (ft.) Set 4 1/2 CIBP	7708'	6497'	3599'	2642'	1128'	419'	13'	
*22. Sacks of Cement Used (inch plg)	10	20	20	50	50	135	10	
*23. Slurry Volume Pumped *cu. ft.)	13.2	26.4	26.4	66.	66.	178.2	13.2	
*24. Calculated Top of Plug (ft.)	7574'	6229'			920'			
25 Measured Top of Plug (if plugged) (ft.)			3231'	2419'		211'	SURF	
*26. Slurry Wt. #/C I	14.8	14.8	14.8	14.8	14.8	14.8	14.8	
*27. Type Cement	C	C	C	C	C	C	C	

28. CASING AND TUBING RECORD AFTER PLUGGING

SIZE	WT. #/FT.	PUT IN WELL (ft.)	LEFT IN WELL (ft.)	HOLE SIZE(in.)
12-3/4"		350'	350'	14 3/4
8-5/8"		4135'	3717'	11"
4-1/2"		9500'	6849'	7 7/8

29. Was any Non-Drillable Material (Other than Casing) Left in This Well ☐ YES ☐ NO

29a. If Answer to above is "Yes" state depth to top of "junk" left in hole and briefly describe non-drillable material (Use Reverse Side of Form if more space is needed.)

30. LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS

FROM	7750'	TO	7770'	FROM		TO	
FROM	8080'	TO	8100'	FROM		TO	
FROM	8590'	TO	8610'	FROM		TO	
FROM	9150'	TO	9170'	FROM		TO	
FROM		TO		FROM		TO	

RECEIVED CENTRAL RECORDS APR 09 2004 AUSTIN, TEXAS

RECEIVED RRC OF TEXAS FEB 25 2004

I have knowledge that the cementing operations, as reflected by the information found on this form, were performed as indicated by such information.
*Designated items to be completed by Cementing Company. Items not so designated shall be completed by Operator.

Signature of Cementer or Authorized Representative

EXXCEL Well Service, Inc.
Name of Cementing Company

CERTIFICATE
I declare under penalties prescribed inn Sec. 91.163, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision and direction,, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

Bucky Simmons — REPRESENTATIVE OF COMPANY
Prod. Foreman — TITLE
2-19-04 — DATE
Phone 432 333-5252 — A/C NUMBER

Larry Bonham/ae
SIGNATURE: REPRESENTATIVE OF RAILROAD COMMISSION

MAPPING 169

31. Was Well filled with Mud-Laden Fluid, according to the regulations of the Railroad Commission	☐ Yes ☐ No	32. How was mud Applied? PUMP	33. Mud Weight 9.5 LBS/GAL

34. Total Depth 9500'	Other Fresh Water Source by T.D.W.R. TOP / BOTTOM	35. Have all Abandoned Wells on this Lease been Plugged according to RRC Rules? ☒ Yes ☐ No
Depth of Deepest Fresh Water 300		36. If NO, Explain

37. Name and Address of Cementing or Service company who mixed and pumped cement plugs in this well

Date RRC District Office notified of plugging

38. Name and Addresses of Surface Owner of Well Site and Operators of Offset Producing Leases

39. Was Notice Given Before Plugging to Each of the Above?

FILL IN BELOW FOR DRY HOLES ONLY

40. For dry Holes, this Form must be accompanied by either a Driller's, Electric, Radioactivity or Acoustical/Sonic Log or such Log must be released to a Commercial Log Service,

☐ Log Attached ☐ Log released to _____ Date _____

Type Logs:

☐ Driller's ☐ Electric ☐ Radioactivity ☐ Acoustical/Sonic

41. Date FORM P-8 (Special Clearance) Filed?

42. Amount of Oil produced prior to Plugging _____ bbls *

* File FORM P-1 (Oil Production Report) for month this oil was produced

R R C USE ONLY

Nearest Field _____

REMARKS _____

PB at 9407

T.N.R.C.C. LETTER DATED 1-26-98

Depth 300

Surface Casing 350 ft.

D.V. @ ft.

(Type or print only)

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

Form W-2
Rev. 4/1/83
483-046

API No. 42- 317-34158

7. RRC District No. 8

8. RRC Lease No. 35729

Oil Well Potential Test, Completion or Recompletion Report, and Log

1. FIELD NAME (as per RRC Records or Wildcat): SPRABERRY (TREND AREA)

2. LEASE NAME: WOODY "36"

9. Well No. 1

3. OPERATOR'S NAME (Exactly as shown on P-5, Organization Report): ARCO PERMIAN

RRC Operator No. 029347

10. County of well site: MARTIN

4. ADDRESS: P.O.BOX 1610, MIDLAND,TX 79702

11. Purpose of filing
- Initial Potential [X]
- Retest [ ]
- Reclass [ ]
- Well record only (explain in Remarks) [ ]

5. If Operator has changed within the last 60 days, name the former operator: TERRACE PETROLEUM CORPORATION

6a. Location (Section, Block, and Survey): 36 37, T2N T & P RR CO.

6b. Distance and direction to nearest town in this county: 11 MILES NW FROM STANTON

12. If workover or reclass, give former field (with reservoir) & gas ID or oil lease no. FIELD & RESERVOIR | GAS ID or OIL LEASE # | Oil - O Gas - G | WELL NO.

13. Type of electric or other log run: CPNL

14. Completion or recompletion date: 6/3/98

SECTION I: POTENTIAL TEST DATA

IMPORTANT: Test should be for 24 hours unless otherwise specified in field rules.

15. Date of test: 7/1/98	16. No. of hours tested: 24	17. Production method (Flowing, Gas Lift, Jetting, Pumping - Size & Type of pump): PUMPING			18. Choke size
19. Production during Test Period ▶	Oil - BBLS: 26	Gas - MCF: 21	Water - BBLS: 171	Gas - Oil Ratio: 808	Flowing Tubing Pressure: PSI
20. Calculated 24-Hour Rate ▶	Oil - BBLS	Gas - MCF	Water - BBLS	Oil Gravity - API - 60°: 41.0	Casing Pressure: 40 PSI

21. Was swab used during this test? Yes [ ] No [X]

22. Oil produced prior to test (New & Reworked wells): 175

23. Injection Gas-Oil Ratio

REMARKS: permitted under Terrace Petroleum Corporation

AUG 1998 LOG REC'D RECORDS

Return to Records Retention

INSTRUCTIONS: File an original and one copy of the completed Form W-2 in the appropriate RRC District Office within 30 days after completing a well and within 10 days after a potential test. If an operator does not properly report the results of a potential test within the 10-day period, the effective date of the allowable assigned to the well will not extend back more than 10 days before the W-2 was received in the District Office. (Statewide Rules 16 and 51) To report a completion or recompletion, fill in both sides of this form. To report a retest, fill in only the front side.

RECORD CODIFICATION AUG 13 1998

WELL TESTER'S CERTIFICATION

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I conducted or supervised this test by observation of (a) meter readings or (b) the top and bottom gauges of each tank into which production was run during the test. I further certify that the potential test data shown above is true, correct, and complete, to the best of my knowledge.

Signature: Well Tester | Name of Company | RRC Representative

RECEIVED R.R.C. OF TEXAS JUL 8 1998 O.G. MIDLAND, TEXAS

OPERATOR'S CERTIFICATION

I declare under the penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

LAURIE CHERRY — Typed or printed name of operator's representative

REG. COMPLIANCE — Title of Person

915-688-5532 — Telephone: Area Code Number

7 / 6 / 98 — Date: mo. day year

Laurie Cherry — Signature

MAPPING 143

SECTION II — DATA ON WELL COMPLETION AND LOG (Not Required on Reset)

24. Type of Completion: New Well [X] Deepening [ ] Plug Back [ ] Other [ ]

25. Permit to Drill, Plug Back or, Deepen — DATE 1/27/98 — PERMIT NO. 472574

Rule 37 Exception — ~~VALID PERMIT~~ PRODUCTION ALLOCATION — CASE NO.

Water injection Permit — JUL 21 1998 — PERMIT NO.

Salt Water Disposal Permit — PERMIT NO.

Other — PERMIT NO.

26. Notice of Intention to Drill this well was filed in Name of: TERRACE PETROLEUM CORPORATION

27. Number of producing wells on this lease in this field (reservoir) including this well: ~~1~~ 3

28. Total number of acres in this lease: 640

29. Date Plug Back, Deepening, Workover or Drilling Operations: Commenced 3/7/98 — Completed 3/20/98

30. Distance to nearest well. Same Lease & Reservoir: ~~NA~~ 2700'

31. Location of well, relative to nearest lease boundaries of lease on which this well is located: 660 Feet from NORTH Line and 660 Feet from EAST Line of the WOODY "36" Lease

32. Elevation (DF, RKB, RT, GR, ETC.): 2790'GR

33. Was directional survey made other than inclination (W-12)? [ ] Yes [X] No

34. Top of Pay: 7750

35. Total Depth: 9500

36. P. B. Depth: 9407

37. Surface Casing Determined by: Field Rules [ ] — Recommendation of T.D.W.R. [X] Dt. of Letter 1/26/98 — Railroad Commission (Special) [ ] Dt. of Letter

38. Is well multiple completion? [ ] Yes [X] No

39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No.

FIELD & RESERVOIR	GAS ID or OIL LEASE #	Oil-O Gas-G	WELL #

40. Intervals Drilled by: Rotary Tools X — Cable Tools

41. Name of Drilling Contractor: J.S.M. 76, LTD.

42. Is Cementing Affidavit Attached? [X] Yes [ ] No

43. CASING RECORD (Report All Strings Set in Well)

CASING SIZE	WT #/FT.	DEPTH SET	MULTISTAGE TOOL DEPTH	TYPE & AMOUNT CEMENT (sacks)	HOLE SIZE	TOP OF CEMENT	SLURRY VOL. cu. ft.
12 3/4	35	350		220	14-3/4	CIRC	295
8 5/8	28	4135		400	11	2059'CALC	532
4-1/2	11.6	9500		1400	7 7/8	3030'TS	2742

44. LINER RECORD

Size	TOP	Bottom	Sacks Cement	Screen

45. TUBING RECORD

Size	Depth Set	Packer Set
2 3/8	8409	NONE

46. Producing Interval (this completion) Indicate depth of perforation or open hole

From	To
7750	7770
8080	8100
8590	8610
9150	9170

9330 TO 9350

47. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

Depth Interval	Amount and Kind of Material Used
7750-7770	FRAC W/500 GAL 15%: 61820 GAL AMBOR 125: 165000 #SD
8080-8100	FRAC W/500 GAL 15%: 52965 GAL AMBOR 125: 120000 #SD
8590-8610	FRAC W/500 GAL 15%: 57330 GAL AMBOR 125: 150000 #SD
9150-9170	FRAC W/1000 GAL 15%: 48090 GAL AMBOR 130: 135000 #SD

9330-9350 FRAC W/2000 GAL 15%: 70855 GAL AMBOR 135: 135,000 #SD.

48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)

Formations	Depth	Formations	Depth
CLEARFORK	6480	WOLFCAMP	9310
SPRABERRY	7710		
DEAN	8998		

REMARKS

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

Form W-12
(1-1-71)

6. RRC District: 8

7. RRC Lease Number. (Oil completions only): 35729

8. Well Number: #1

9. RRC Identification Number (Gas completions only):

10. County: MARTIN

INCLINATION REPORT
(One Copy Must Be Filed With Each Completion Report.)

1. FIELD NAME (as per RRC Records or Wildcat): SPRABERRY (TREND AREA)

2. LEASE NAME: WOODY "36"

3. OPERATOR: ARCO PERMIAN

4. ADDRESS: P.O. BOX 1610 MIDLAND, TEXAS 79701

5. LOCATION (Section, Block, and Survey): SEC. 36, BLK 37, T2N, T&P RR.

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)
350	3.50	.75	1.31	4.59	4.59
832	4.82	.50	.88	4.22	8.81
1337	5.05	1.50	2.63	13.26	22.07
1835	4.98	1.50	2.63	13.07	35.14
2294	4.59	1.00	1.75	8.03	43.17
2794	5.00	.75	1.31	6.56	49.74
3320	5.26	1.50	2.63	13.81	63.54
3815	4.95	1.25	2.19	10.83	74.37
4041	2.26	1.75	3.06	6.92	81.29
4140	.99	1.75	3.06	3.03	84.32
4625	4.85	1.50	2.63	12.73	97.06
5122	4.97	1.50	2.63	13.05	110.10
5624	5.02	.75	1.31	6.59	116.69
6139	5.15	.75	1.31	6.76	123.45
6649	5.10	.50	.88	4.46	127.91
7145	4.96	.50	.88	4.34	132.25

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

17. Is any information shown on the reverse side of this form? [X] yes [ ] no

18. Accumulative total displacement of well bore at total depth of 9500 feet = 169.51 feet.

*19. Inclination measurements were made in — [ ] Tubing [ ] Casing [ ] Open hole [X] Drill Pipe

20. Distance from surface location of well to the nearest lease line 660 feet.

21. Minimum distance to lease line as prescribed by field rules 660 feet.

22. Was the subject well at any time intentionally deviated from the vertical in any manner whatsoever? none

(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.

Lanny Gortney
Signature of Authorized Representative

LANNY GORTNEY, VICE PRESIDENT
Name of Person and Title (type or print)

J.S.M. DRILLING COMPANY
Name of Company

Telephone: 915 (Area Code) 530-0070

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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.

Laurie Cherry
Signature of Authorized Representative

LAURIE CHERRY REG/COMP. ASST.
Name of Person and Title (type or print)

ARCO PERMIAN
Operator

Telephone: 915 (Area Code) 688-5532

Railroad Commission Use Only:

~~Approved~~ Checked By: Regina Shirland Title: Admin Tech Date: 7-10-98

* 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)
7730	5.85	1.25	2.19	12.80	145.05
8232	5.02	1.00	1.75	8.79	153.83
8727	4.95	.50	.88	4.33	158.17
9226	4.99	.75	1.31	6.55	164.71
9500	2.74	1.00	1.75	4.80	169.51

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.

Cementer: Fill in shaded areas.
Operator: Fill in other items.

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

Form W-15
Cementing Report
Rev. 4/1/83
483-045

1. Operator's Name (As shown on Form P-5, Organization Report)	2. RRC Operator No.	3. RRC District No.	4. County of Well Site
ARCO PERMIAN	029347	8	MARTIN

5. Field Name (Wildcat or exactly as shown on RRC records)	6. API No.	7. Drilling Permit No.
SPRABERRY (TREND AREA)	42- 317-34158	472574

8. Lease Name	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well No.
WOODY "36"		35729	1

CASING CEMENTING DATA:	SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
			Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date	3/8/98					
13. •Drilled hole size	14 3/4					
•Est. % wash or hole enlargement						
14. Size of casing (in. O.D.)	12 3/4					
15. Top of liner (ft.)						
16. Setting depth (ft.)	350					
17. Number of centralizers used	3					
18. Hrs. Waiting on cement before drill-out	12					
1st Slurry — 19. API cement used: No. of sacks ▶	220					
Class ▶	C					
Additives ▶	2% CACL2					
2nd Slurry — No. of sacks ▶						
Class ▶						
Additives ▶						
3rd Slurry — No. of sacks ▶						
Class ▶						
Additives ▶						
1st — 20. Slurry pumped: Volume (cu. ft.) ▶	295					
Height (ft.) ▶	973					
2nd — Volume (cu. ft.) ▶						
Height (ft.) ▶						
3rd — Volume (cu. ft.) ▶						
Height (ft.) ▶						
Total — Volume (cu. ft.) ▶	295					
Height (ft.) ▶	973					
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?	YES					

22. Remarks

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CEMENTING TO PLUG AND ABANDON	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #8
23. Cementing date								
24. Size of hole or pipe plugged (in.)								
25. Depth to bottom of tubing or drill pipe (ft.)								
26. Sacks of cement used (each plug)								
27. Slurry volume pumped (cu. ft.)								
28. Calculated top of plug (ft.)								
29. Measured top of plug, if tagged (ft.)								
30. Slurry wt. (lbs/gal)								
31. Type cement								

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

GARLAND CROTWELL SS — Name and title of cementer's representative

BJ SERVICES — Cementing Company

Signature

P.O. BOX 4717 ODESSA, TX 79760 — Address, City, State, Zip Code

915-381-2301 — Tel.: Area Code Number

3/8/98 — Date: mo. day yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

LAURIE CHERRY — Typed or printed name of operator's representative

REG/Comp. Asst. — Title

Laurie Cherry — Signature

P.O. Box 1610 MIDLAND TX 79702 — Address, City, State, Zip Code

915-688-5532 — Tel.: Area Code Number

7/6/98 — Date: mo. day yr.

Instructions to Form W-15, Cementing Report

IMPORTANT: Operators and cementing companies must comply with the requirements of the Commission's Statewide Rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion), and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

A. What to file. An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form. Form W-15 should be filed with the following:

- An initial oil or gas completion report, Form W-2 or G-1, as required by Statewide or special field rules;
- Form W-4, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
- Form W-3, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

B. Where to file. The appropriate Commission District Office for the county in which the well is located.

C. Surface casing. An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

D. Centralizers. Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.

E. Exceptions and alternative casing programs. The District Director may grant an exception to the requirements of Statewide Rule 13. In a written application, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. An operator must obtain approval of any exception before beginning casing and cementing operations.

F. Intermediate and production casing. For specific technical requirements, operators should consult Statewide Rule 13 (b) (3) and (4).

G. Plugging and abandoning. Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1,000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

Cementer: Fill in shaded areas.
Operator: Fill in other items.

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

Form W-15
Cementing Report
Rev. 4/1/83
483-045

1. Operator's Name (As shown on Form P-5, Organization Report)	2. RRC Operator No.	3. RRC District No.	4. County of Well Site
ARCO PERMIAN	029347	8	MARTIN

5. Field Name (Wildcat or exactly as shown on RRC records)	6. API No.	7. Drilling Permit No.
SPRABERRY (TREND AREA)	42-317-34158	472574

8. Lease Name	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well No.
WOODY "36"		35729	1

CASING CEMENTING DATA:	SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
			Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date		3/12/98				
13. •Drilled hole size		11				
•Est. % wash or hole enlargement						
14. Size of casing (in. O.D.)		8 5/8				
15. Top of liner (ft.)						
16. Setting depth (ft.)		4135				
17. Number of centralizers used		5				
18. Hrs. Waiting on cement before drill-out		12				
1st Slurry — 19. API cement used: No. of sacks ▶		400				
1st Slurry — Class ▶		C				
1st Slurry — Additives ▶		1% CACL2				
2nd Slurry — No. of sacks ▶						
2nd Slurry — Class ▶						
2nd Slurry — Additives ▶						
3rd Slurry — No. of sacks ▶						
3rd Slurry — Class ▶						
3rd Slurry — Additives ▶						
1st — 20. Slurry pumped: Volume (cu. ft.) ▶		532				
1st — Height (ft.) ▶		2076				
2nd — Volume (cu. ft.) ▶						
2nd — Height (ft.) ▶						
3rd — Volume (cu. ft.) ▶						
3rd — Height (ft.) ▶						
Total — Volume (cu. ft.) ▶		532				
Total — Height (ft.) ▶		2076				
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?		NO				

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MIDLAND, TEXAS

22. Remarks

1070

CEMENTING TO PLUG AND ABANDON	[redacted] #1	PLUG #2	PLUG #3	PLUG #4	[redacted] #5	PLUG #6	PLUG #7	PLUG #8
23. Cementing date								
24. Size of hole or pipe plugged (in.)								
25. Depth to bottom of tubing or drill pipe (ft.)								
26. Sacks of cement used (each plug)								
27. Slurry volume pumped (cu. ft.)								
28. Calculated top of plug (ft.)								
29. Measured top of plug, if tagged (ft.)								
30. Slurry wt. (lbs/gal)								
31. Type cement								

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

GARLAND CROTWELL SS — Name and title of cementer's representative

BJ SERVICES — Cementing Company

Signature

P.O. BOX 4717 ODESSA, TX 79760 — Address, City, State, Zip Code

915-381-2301 — Tel.: Area Code Number

3/12/98 — Date: mo. day yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

LAURIE CHERRY — Typed or printed name of operator's representative

REG/COMP. ASST — Title

Laurie Cherry — Signature

P.O. BOX 1610 MIDLAND TX 79702 — Address, City, State, Zip Code

915-688-5532 — Tel.: Area Code Number

7/6/98 — Date: mo. day yr.

Instructions to Form W-15, Cementing Report

IMPORTANT: Operators and cementing companies must comply with the requirements of the Commission's Statewide Rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion), and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

A. What to file. An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form. Form W-15 should be filed with the following:

- An initial oil or gas completion report, Form W-2 or G-1, as required by Statewide or special field rules;
- Form W-4, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
- Form W-3, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

B. Where to file. The appropriate Commission District Office for the county in which the well is located.

C. Surface casing. An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

D. Centralizers. Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.

E. Exceptions and alternative casing programs. The District Director may grant an exception to the requirements of Statewide Rule 13. In a written application, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. An operator must obtain approval of any exception before beginning casing and cementing operations.

F. Intermediate and production casing. For specific technical requirements, operators should consult Statewide Rule 13 (b) (3) and (4).

G. Plugging and abandoning. Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1,000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

Cementer: Fill in shaded areas.
Operator: Fill in other items.

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

Form W-15
Cementing Report
Rev. 4/1/83
483-045

1. Operator's Name (As shown on Form P-5, Organization Report)	2. RRC Operator No.	3. RRC District No.	4. County of Well Site
ARCO PERMIAN	029347	8	MARTIN

5. Field Name (Wildcat or exactly as shown on RRC records)	6. API No.	7. Drilling Permit No.
SPRABERRY (TREND AREA)	42-317-34158	472574

8. Lease Name	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well No.
WOODY "36"		35729	#1

CASING CEMENTING DATA:	SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
			Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date			3/21/98			
13. •Drilled hole size			7 7/8			
•Est. % wash or hole enlargement						
14. Size of casing (in. O.D.)			4 1/2			
15. Top of liner (ft.)						
16. Setting depth (ft.)			9500			
17. Number of centralizers used			22			
18. Hrs. Waiting on cement before drill-out			NA			
1st Slurry — 19. API cement used: No. of sacks ▶			600			
1st Slurry — Class ▶			C			
1st Slurry — Additives ▶			REMARK1			
2nd Slurry — No. of sacks ▶			800			
2nd Slurry — Class ▶			H50;POZ50			
2nd Slurry — Additives ▶			REMARK2			
3rd Slurry — No. of sacks ▶						
3rd Slurry — Class ▶						
3rd Slurry — Additives ▶						
1st — 20. Slurry pumped: Volume (cu. ft.) ▶			1734			
1st — Height (ft.) ▶			7616			
2nd — Volume (cu. ft.) ▶			1008			
2nd — Height (ft.) ▶			4412			
3rd — Volume (cu. ft.) ▶						
3rd — Height (ft.) ▶						
Total — Volume (cu. ft.) ▶			2742			
Total — Height (ft.) ▶			12028			
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?			NO			

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22. Remarks
1. 3% SMS + 3# GILSONITE + ¼# CELLOFLAKE
2. 2% GEL + 2/10% CD-32 + ¼# CELLOFLAKE

1070

CEMENTING TO PLUG AND ABANDON	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #8
23. Cementing date								
24. Size of hole or pipe plugged (in.)								
25. Depth to bottom of tubing or drill pipe (ft.)								
26. Sacks of cement used (each plug)								
27. Slurry volume pumped (cu. ft.)								
28. Calculated top of plug (ft.)								
29. Measured top of plug, if tagged (ft.)								
30. Slurry wt. (lbs/gal)								
31. Type cement								

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

RICKY GROSS SS — Name and title of cementer's representative

BJ SERVICES — Cementing Company

R Gross — Signature

P.O. BOX 4717 ODESSA, TX 79760 — Address, City, State, Zip Code

915-381-2301 — Tel.: Area Code Number

3/21/98 — Date: mo. day yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

LAURIE CHERRY — Typed or printed name of operator's representative

REG/COMP. ASST. — Title

Laurie Cherry — Signature

P.O. BOX 1610 MIDLAND, TX 79702 — Address, City, State, Zip Code

915-688-5532 — Tel.: Area Code Number

7/6/98 — Date: mo. day yr.

Instructions to Form W-15, Cementing Report

IMPORTANT: Operators and cementing companies must comply with the requirements of the Commission's Statewide Rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion), and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

A. What to file. An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form. Form W-15 should be filed with the following:

- An initial oil or gas completion report, Form W-2 or G-1, as required by Statewide or special field rules;
- Form W-4, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
- Form W-3, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

B. Where to file. The appropriate Commission District Office for the county in which the well is located.

C. Surface casing. An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

D. Centralizers. Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.

E. Exceptions and alternative casing programs. The District Director may grant an exception to the requirements of Statewide Rule 13. In a written application, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. An operator must obtain approval of any exception before beginning casing and cementing operations.

F. Intermediate and production casing. For specific technical requirements, operators should consult Statewide Rule 13 (b) (3) and (4).

G. Plugging and abandoning. Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1,000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

Please Read Instructions

ELECTRIC LOG STATUS REPORT

FORM L-1

Rev. 12/88

INSTRUCTIONS

When to file the L-1

- with Forms G-1, W-2, and GT-1 for new and deepened gas, oil and geothermal wells
- with Form W-3 for plugged dry holes
- when sending in a log which was held under a request for confidentiality and the period of confidentiality has not yet expired

When the L-1 is NOT required

- with Forms W-2, G-1, and GT-1 filed for injection wells, disposal wells, water supply wells, service wells, re-test wells, re-classifications, and plugbacks of oil, gas, and geothermal wells
- with Form W-3 for plugging of other than a dry hole

Where to file the L-1

- with the appropriate Commission district office

Filling out the L-1

- Section I and the signature section must be filled out for all wells
- complete only the appropriate part of Section II

Type of log required

- any wireline survey run for the purpose of obtaining lithology, porosity, or resistivity information
- no more than one such log is required but it must be of the subject well
- if such a log is NOT run on the subject well, do NOT substitute any other type of log; just select Section II, Part A below

SEE REVERSE SIDE

SECTION I. IDENTIFICATION

Operator Name: ARCO Permian	District No.: 8	Completion Date: 6/3/98
Field Name: SPRABERRY (TREND AREA)	Drilling Permit No.: 472574	
Lease Name: WOODY "36"	Lease/ID No.: 35729	Well No.: 1
County: MARTIN	API No.: 42- 317-34158	

SECTION II. LOG STATUS (complete either A. or B.)

[ ] A. BASIC ELECTRIC LOG NOT RUN

[X] B. BASIC ELECTRIC LOG RUN

[ ] 1. Confidentiality requested.

[ ] 2. Confidentiality already granted on basic electric log covering this interval (applicable to deepened wells only).

[ ] 3. Basic electric log covering this interval already on file with Commission (applicable to deepened wells only).

[X] 4. Log attached to (select one)

[X] (a) Form L-1 (this form). If the company/lease name on log is different from that shown in Section I, please enter name on log here: TERRACE PETROLEUM CORPORATION.
Check here if attached log is being submitted after being held confidential [ ].

[ ] (b) Form P-7, Application for Discovery Allowable and New Field Designation.

[ ] (c) Form W-4, Application for Multiple Completion: Lease or ID no.(s) _____, well no.(s) _____

RECEIVED R.R.C. OF TEXAS JUL - 8 1998 O.G. MIDLAND, TEXAS

Laurie Cherry
signature

REGULATORY COMPLIANCE ASSISTANT
title

LAURIE CHERRY
name (print)

(915) 688-5532
phone

7/6/98
date

For Railroad Commission use only

Electric Log Filing Requirements

As required by statute (T.N.R.C. Chapter 91, Subchapter M) and defined by Statewide Rule 16 (see copy below), a legible, unaltered final copy of a basic electric log run on a well must be filed with the completion report for that well (Form W-2 and Form G-1) or the plugging report for that well if it is a dry hole (Form W-3). The electric log will become a part of the public record.

You may, however, request a one-year period of confidentiality during which the log will be kept in your possession. Prior to the expiration of the initial period of confidentiality, you may request a renewal for a two-year period. Logs of wells drilled on land submerged in State water may be granted an additional two-year extension. At the end of the period(s) of confidentiality, a copy of the basic electric log must be filed with the Commission. The Commission will send you a notice prior to expiration of the confidentiality period(s). NOTE: **electric logs submitted in conjunction with an application for multiple completion or a new field designation are considered part of the public records; confidentiality cannot be granted them.**

&3.16 RULE 16. Log and Completion or Plugging Report, (Effective February 28, 1986)

(a) The owner or operator of an oil, gas or geothermal resource well, within thirty (30) days after the completion of such well or the plugging of such well, if the well is a dry hole, shall file with the Commission the appropriate completion or plugging report, and if a basic electric log is run on the well, a legible, unaltered final copy of such log shall be attached. A "basic electric log" means a lithology, porosity, or resistivity log run over the entire wellbore or in the alternative, if no such log is run over the entire wellbore, the log which is the most complete of such logs run. Amended completion reports must be filed for any change in perforations, or openhole or casing records within thirty (30) days after recompleting the well. In addition, if the well is deepened, a copy of a basic electric log run after September 1, 1985 should be submitted if such log is run over a deeper interval than the interval covered by a basic electric log already on file with the Commission for that wellbore.

(b) Each log filed with the Commission shall be considered public information and shall be available to the public during normal business hours. If the owner or operator of such well described in subsection (a) of this section desires log(s) to be confidential, the owner or operator must submit a written request for a delayed filing of the log(s). When filing such a request, the owner or operator must retain the log(s) and may delay filing such log(s) for one (1) year beginning from the date the completion or plugging report is required to be filed with the Commission. The owner or operator of such well may request an additional filing delay of two (2) years, provided the written request is filed prior to the expiration date of the initial confidentiality period. If a well is drilled on land submerged in state water, the owner or operator may request an additional filing delay of two (2) years so that a possible total filing delay of five (5) years may be obtained. A request for the additional two (2) year filing delay period must be in writing and be received prior to the expiration of the first two (2) year filing delay. Logs must be filed with the Commission within thirty (30) days after the expiration of the final confidentiality period.

(c) If the logs are not filed in accordance with the provisions of this section, the Commission may refuse to assign an allowable to a well or may set the allowable for such well at zero. If the well is a dry hole and the logs are not filed in accordance with the provisions of this section, the Commission may initiate penalty action pursuant to Title 3 of the Texas Natural Resources Code.

RECEIVED
R.R.C. OF TEXAS
JUL - 8 1998
O.G.
MIDLAND, TEXAS

THE UNDERSIGNED DOES HEREBY CERTIFY THAT THIS LOCATION WAS THIS DAY MADE ON THE GROUND BY ME OR UNDER MY SUPERVISION AND THAT THIS PLAT IS A CORRECT REPRESENTATION THEREOF.

DATED THIS 14TH DAY OF JANUARY, 1998

MAX A. SCHUMANN, JR.
RPLS 137

STATE OF TEXAS
REGISTERED
MAX A. SCHUMANN, JR.
137
PROFESSIONAL
LAND SURVEYOR

LOCATION PLAT

ARCO PERMIAN

WELL NO. 1
WOODY "36" LEASE

660 FEET FROM THE NORTH;
660 FEET FROM THE WEST LINES

SECTION 36, BLOCK 37, T-2-N,
T&P RR CO SURVEY,

MARTIN COUNTY, TEXAS

SCALE: 1" = 1000'

PROJECT: 63575TPC
JOB NO: 63,575-A

SCHUMANN ENGINEERING CO., INC.

REGISTERED PROFESSIONAL LAND SURVEYORS
LICENSED STATE LAND SURVEYORS

REGISTERED PROFESSIONAL CIVIL ENGINEERS
TEXAS and NEW MEXICO

Civil Engineering ~ Land Surveying

408 N. PECOS STREET - P. O. BOX 504
MIDLAND, TEXAS 79702-0504

Office (915) 684-5548
Fax (915) 684-6973

▶ Return each W-1 with plat and applicable fee. Make a check or money order payable to the State Treasurer of Texas.

▶ Address to: 143
Railroad Commission of Texas
Oil and Gas Division, Drilling Permits
P. O. Box 12967
Austin, Texas 78711-2967

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

Application for Permit to Drill, Deepen, Plug Back, or Re-Enter

▶ File a copy of W-1 and plat in RRC District Office ▶ Read Instructions on Back

Form W-1
Rev. 3/93

EFFECTIVE SEPT. 1, 1991, PERMIT APPLICATION FEE WILL VARY ACCORDING TO THE TOTAL DEPTH SHOWN IN ITEM NO. 9 BELOW.
0-2000' - $100, 2001' - 4000' - $125
4001' - 9000' - $150 9001' or deeper - $200

Purpose of filing (mark appropriate boxes):
[XX] Drill [ ] Deepen (below casing) [ ] Deepen (within casing) [ ] Plug Back [ ] Re-Enter
[ ] Horizontal [ ] Directional Well [ ] Sidetrack [ ] Amended Permit (enter permit no. at right & explain fully in Remarks)

Enter here, if assigned: ▶ API No. 42-317-34158 ▶ Permit No. 472574 ▶ Rule 37 Case No.

1. Operator's Name (exactly as shown on Form P-5, Organization Report): Terrace Petroleum Corp OK
3. RRC Operator No.: 843265
4. RRC District No.: 8
5. County of Well Site: Martin

2. Address (including city and zip code): 310 W. Wall, Suite 915, Midland, Tx. 79701
945973

6. Lease Name (32 spaces maximum): Woody "36"
7. RRC Lease/ID No.: NA
8. Well No.: 1
9. Total Depth: 9500'

10. Location
• Section 36 Block 37, T2N Survey I&P RR Co / M. TOM Abstract No. A- 911
• This well is to be located 11 miles in a NW direction from Stanton, which is the nearest town in the county of the well site.

11. Distance from proposed location to nearest lease or unit line 660 ft.
12. Number of contiguous acres in lease, pooled unit, or unitized tract 640 (OUTLINE ON PLAT.)

Granted 1/27/98

13. FIELD NAME (Exactly as shown on RRC proration schedule). List all established and wildcat zones of anticipated completion. Attach additional Form W-1's as needed to list these zones. One zone per line.	14. Completion depth	15. Spacing pattern (ft.)	16. Density pattern (acres)	17. Number of acres in drilling unit for this well. OUTLINE ON PLAT.	18. Is this acreage assigned to another well on this lease & in this reservoir? If so, explain in Remarks.	19. Distance from proposed location to nearest applied for, permitted, or completed well, this lease & reservoir. (ft.)	20. Oil, gas, or other type well (Specify)	21. No. of applied for, permitted, or completed locations (including this one) on lease in this reservoir. OIL	GAS
Spraberry (Trend Area)	7200'-9300'	660'-933'	160	160	NO	2700'	oil	3	
85280300		Code C							
		Code	A933						

22. Perpendicular surface location from two nearest designated lines:
• Lease/Unit 660' FNL & 660' FEL
• Survey/Section 660' FNL & 660' ~~FEL~~ FWL

If a directional well, show also projected bottom-hole location:
• Lease/Unit
• Survey/Section

23. Is this a pooled unit? Yes [ ] ▶ (Attach Form P-12 and certified plat.) No [XX]

24. Is Item 17 less than Item 16 (substandard acreage for any field applied for)? Yes [ ] ▶ (Attach Form W-1A) No [XX]

25. Is this wellbore subject to Statewide Rule 36 (hydrogen sulfide area)? Yes [ ] No [XX]
If subject to Rule 36, is Form H-9 filed? Yes [ ] No [XX] ▶ If not filed, explain in Remarks.

26. Do you have the right to develop the minerals under any right-of-way that crosses, or is contiguous to, this tract? If not, and if the well requires a Rule 37 or 38 exception, see Instructions for Rule 37. Yes [XX] No [ ]

Remarks

I certify that information stated in this application is true and complete, to the best of my knowledge.

Signature: Earl H. Michie, President
Name and title of operator's representative

Date: 1-22-98 (mo. day yr.) Tel.: 915 684-5112 (Area Code Number)

200 APP

• RRC Use Only •
206213 JAN 23 98

472574

317-34158

MAPPING 143

Instructions to Form W-1

NOTICE: Review Statewide Rule 5, *Application to Drill, Deepen, Reenter, or Plug Back*, paragraph (c) for eligibility of an organization to file a W-1 application.

A. IMPORTANT: Do not begin drilling operations on any location until you receive a drilling permit from the Commission, and the waiting-clause period, if specified in the permit, has ended.

B. **Organization Report.** Before this application can be processed, a **Form P-5,** Organization Report, showing the exact operator name used on Form W-1, must be on file with the Commission in Austin.

C. **Fee.** With each W-1 application or materially amended W-1 application, the applicant must submit the applicable fee to the Commission in Austin. A check or money order must be made payable to the State Treasurer of Texas. This fee is nonrefundable. An application will be considered materially amended if the amendment requires the issuance of a new permit. A materially amended application includes an application in which an additional field or a change in location or field is sought for a previously permitted well. However, if a new application and/or permit becomes necessary because of Commission action, the fee may be waived.

D. **Surface casing.** Before the Commission will assign an allowable to a well, the operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Water Commission. Before drilling a well where Commission rules do not specify surface casing requirements, the operator must obtain a letter from the Department stating the protection depth. Write: TWC, Surface Casing, P. O. Box 13087, Capitol Station, Austin, Texas 78711-3087.

E. **What to file.** File Form W-1, a plat and the applicable fee in the Commission's Austin office. Send a copy of the W-1 and plat to the RRC District Office that serves the county of the proposed well site.

F. **Plat.** Each W-1 must be accompanied by a neat, accurate plat of the lease or unit which clearly shows the following:

For a REGULAR location (where the proposed site conforms to Commission rules)

- Drilling unit boundary for the proposed location and proration unit boundaries for each producing well on this lease or unit which is completed in the same field. Show the acreage contained in each unit. For Commission purposes, lease or unit acreage must be contiguous unless an exception to Statewide Rule 39 is granted. If a Rule 39 exception has previously been granted for the lease or unit, **attach a copy of the RRC approval.**
- Surface location of the proposed site. If the well is to be directionally drilled, show also the projected bottom-hole location.
- Perpendicular distance to nearest intersecting: (a) lease/unit lines and (b) survey/section lines. To avoid confusion, distinguish between the two sets of lines.
- Distance to nearest applied for, permitted, or completed well on this lease or unit in the same field.
- Section, block, or lot.
- Northerly direction.
- Scale. Where the size of the lease or unit will allow, use a scale of 1" = 1,000'. If it is not practical to show the entire lease or unit on the plat, attach a second plat, drawn to a scale no smaller than 1" = 2,000', to show the entire lease or unit in relation to the patent survey. Enter on Form W-1 (Item 12) the acreage for the entire lease or unit.
- On a pooled unit, outline the entire lease or unit as well as the individual tracts listed on Form P-12, Certificate of Pooling Authority.

For a RULE 37 or RULE 38 Exception (where spacing or acreage is less than prescribed by rule)

- A **certified** plat of the entire lease or unit which includes the information described above; and
- A list of the names and addresses of all offsetting operators or unleased mineral interest owners of each tract which is contiguous to the drill site tract. If you do not have the right to develop the minerals under any right-of-way that crosses, or is contiguous to, this tract, and if the well requires a Rule 37 or 38 exception, list also the name and address of the person who has this right. The list should refer to the plat clearly so as to enable the Commission to readily identify each tract and its operator or mineral owner.

  NOTE: If you penetrate a Rule 37 or 38 zone in which you do not propose to complete at this time, you will not necessarily be allowed to use the existence of this wellbore as justification for an exception to complete this wellbore in such zone in the future.

G. **Specific Items.**

Item 13. **Field name.** Use only field designations, including reservoir, approved by the Commission (not proposed field names). Enter "Wildcat" if the reservoir has no RRC field designation and give the total projected depth under "Completion Depth." If the well is to be drilled in a multi-pay area, list all established and wildcat zones for which a completion is proposed. If necessary, attach additional Form W-1's to list these zones.

Item 15. **Spacing pattern.** If the proposed location of the well is in a field with special field rules, enter the appropriate spacing pattern. If there are no field rules in effect, Statewide Rule 37 spacing applies. Rule 37 requires wells to be spaced at least 467 feet from lease lines and 1,200 feet from other wells completed in the same reservoir and on the same lease, with one well to each 40 acres. However, if the proposed location is in RRC Districts 7B, 9, or in McCulloch County (District 7C), and in a field with no special field rules adopted, a district (or county regular) rule will apply, with special spacing and depth controls for wells drilled to 5,000 feet or above.

Item 16. **Density pattern.** If the proposed location is in a field with special field rules, enter the appropriate density pattern. If there are no field rules in effect, Statewide Rules 37 and 38 apply, allowing one well to each 40 acres. However, if the proposed location is in RRC Districts 7B, 9, or in McCulloch County (District 7C), and in a field with no special field rules adopted, the special spacing and depth controls in Rule 38(b) govern density.

RECEIVED
R.R.C. OF TEXAS
JAN 23 1998
OIL & GAS DIVISION
AUSTIN, TEXAS

LOCATION PLAT

THE UNDERSIGNED DOES HEREBY CERTIFY THAT THIS LOCATION WAS THIS DAY MADE ON THE GROUND BY ME OR UNDER MY SUPERVISION AND THAT THIS PLAT IS A CORRECT REPRESENTATION THEREOF.

DATED THIS 14TH DAY OF JANUARY, 1998

MAX A. SCHUMANN, JR.
RPLS 137

STATE OF TEXAS
REGISTERED
MAX A. SCHUMANN, JR.
137
PROFESSIONAL
LAND SURVEYOR

TERRACE PETROLEUM CORP.

WELL NO. 1
WOODY "36" LEASE

660 FEET FROM THE NORTH;
660 FEET FROM THE WEST LINES

SECTION 36, BLOCK 37, T-2-N,
T&P RR CO SURVEY,

MARTIN COUNTY, TEXAS

SCALE: 1" = 1000'

PROJECT: 63575TPC
JOB NO: 63,575-A

SCHUMANN ENGINEERING CO., INC.

REGISTERED PROFESSIONAL LAND SURVEYORS
LICENSED STATE LAND SURVEYORS

REGISTERED PROFESSIONAL CIVIL ENGINEERS
TEXAS and NEW MEXICO

Civil Engineering ~ Land Surveying

408 N. PECOS STREET - P. O. BOX 504
MIDLAND, TEXAS 79702-0504

Office (915) 684-5548
Fax (915) 684-6973

RECEIVED RRC OF TEXAS SEP 06 2017 O&G Midland

Plugging Record

Job #2017-95740 Inv# 13073

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

FORM W-3
Rev. 12/92 (99)

API No. (if available)	1. RRC District
42- 317-34159	8

FILE IN DUPLICATE WITH DISTRICT OFFICE OF DISTRICT IN WHICH WELL IS LOCATED WITHIN THIRTY DAYS AFTER PLUGGING

		4. RRC Lease or ID Number 35729
2. FIELD NAME (as per RRC records) Spraberry (Trend Area)	3. Lease Name Woody "36"	5. Well Number 2
6. OPERATOR Encana Oil & Gas (USA) Inc.	6a. Original Form W-1 filed in name of:	10. County Martin
7. ADDRESS 370 17th Street, Ste. 1700, Denver, CO. 80202	6b. Any subsequent W-1's filed in name of:	11. Date Drilling Permit Issued 1/27/1998
8. Location of well, relative to nearest lease boundaries of lease on which this well is located	660' feet from W line and 1980' feet from S line of the WOODY "36" lease	12. Permit Number 472575
9a. SECTION, BLOCK and SURVEY 36,37,T2N T&P RR Co./M. Tom A-911	9b. Distance and direction from nearest town in this county 11 miles N.W. of Stanton	13. Date Drilling Commenced 2/20/1998

16. Type Well (oil, gas, or dry)	Total Depth	If multiple completion list all field names and oil lease or gas id no.'s	Gas ID or Oil Lease #	Oil - O Gas - G	Well #	14. Date Drilling Completed
Oil	9500'					3/7/1998
18. If gas, amt. of cond. on hand at time of plugging				O	2	15. Date Well Plugged 8/18/17

CEMENTING TO PLUG AND ABANDON DATA:	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #8
*19. Cementing Date	8/16/17	8/16/17	8/16/17	8/16/17	8/17/17	8/18/17	8/18/17	
20. Size of Hole or Pipe in which Plug Placed (inches)	4 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"	4 1/2"	
21. Depth to Bottom of Tubing or Drill Pipe (ft.)	7678'	6500'	4500'	3500'	1000'	410	30	
*22. Sacks of Cement Used (each plug)	20	20	20	20	55	125	15	
*23. Slurry Volume Pumped (cu. ft.)	21.2'	26.4'	26.4'	26.4'	72.6'	165'	19.8'	
*24. Calculated Top of Plug (ft.)	7375'	6197'	—	—	—	—	—	
25. Measured Top of Plug (if tagged) (ft.)	—	—	4105'	3180'	858'	206'	surf	
*26 Slurry Wt. #/Gal.	16.4	14.8	14.8	14.8	14.8	14.8	14.8	
*27. Type Cement	H	C	C	C	C	C	C	

28. CASING AND TUBING RECORD AFTER PLUGGING

SIZE	WT.#/FT.	PUT IN WELL (ft.)	LEFT IN WELL (ft.)	HOLE SIZE (in.)
12 3/4		360'	360'	14 3/4
8 5/8		4130'	4130'	11
4 1/2		9500'	9500'	7 7/8

29. Was any non-drillable material (other than casing) left in this well? ☐ Yes ☐ No

29a. If answer to above is "Yes" state depth to top of "junk" left in hole and briefly describe non-drillable material. (Use reverse side of form if more space is needed.)

RECEIVED RRC OF TEXAS MAR 26 2018 INFORMATION SERVICES AUSTIN, TX

30. LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS

FROM 8040'	TO 9360'	FROM	TO
FROM	TO	FROM	TO
FROM	TO	FROM	TO
FROM	TO	FROM	TO
FROM	TO	FROM	TO

I have knowledge that the cementing operations, as reflected by the information found on this form, were performed as indicated by such information.
* Designates items to be completed by Cementing Company. Items not so designated shall be completed by operator.

RECEIVED RRC OF TEXAS OCT 12 2017 OIL & GAS WELL COMPLIANCE AUSTIN, TX

Signature of Cementer or Authorized Representative — Sunset Well Service Inc, Name of Cementing Company

CERTIFICATE:
I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

REPRESENTATIVE OF COMPANY — Engineer TITLE — 8/21/17 DATE — PHONE (432) A/C 221-6453 NUMBER

Rune Smith 8 10/9/17
SIGNATURE: REPRESENTATIVE OF RAILROAD COMMISSION

197

APPROVED

31. Was well filled with mud - laden fluid, according to the regulations of the Railroad Commission? ☑ Yes ☐ No	32. How was mud applied? RCM Circulated	33. Mud Weight #10 LBS/GAL

34. Total Depth 9500'	Other Fresh Water Zones by T.D.W.R.		35. Have all abandoned wells on this lease been plugged according to R R C Rules? ☐ Yes ☐ No
	TOP	BOTTOM	36. If No, Explain
Depth of Deepest Fresh Water 300'	surf	300'	

37. Name and address of cementing or service company who mixed and pumped cement plugs in this well: Sunset Well Service, P.O. Box 7139, Midland, Texas 79708	Date RRC District Office notified of plugging: 8/15/17

38. Name(s) and address(es) of surface owners of well site

39. Was notice given before plugging to the above?

FILL IN BELOW FOR DRY HOLES ONLY

40. For dry holes, this form must be accompanied by either a driller's, electric, radioactivity, or acoustical/sonic log or such log must be released to a commercial log service.

☐ Log Attached ☐ Log released to _____ Date _____

Type Logs: ☐ Driller's ☐ Electric ☐ Radioactivity ☐ Acoustical / Sonic

41. Date FORM P-8 (Special Clearance) filed:

42. Amount of oil produced prior to plugging _____ bbls *

File FORM P-1 (Oil Production Report) for month this oil was produced

R R C USE ONLY

Nearest field ICE 95740

REMARKS Inv. #13073 - 8/16/17 Tag CIBP @ 7678' spot 20 x class "H" cmt no required tag displac to 7375' inside 4 1/2" csg. Spot 20 x class "C" cmt @ 6500' displace to 6197' no required tag inside 4 1/2" csg. Spot 20 x class "C" cmt @ 4500' tag TOC @ 4105' inside 4 1/2" csg. Spot 20 x class "C" cmt @ 3500' tag TOC @ 3180' inside 4 1/2" csg - 8/17/17 Perf & Sqz'd 55 x class "C" cmt @ 1000' tag TOC @ 858' inside 4 1/2" csg - 8/18/17 Perf & Sqz'd 125 x class "C" cmt @ 410' tag TOC @ 206' inside 4 1/2" csg. Spot 15 x class "C" cmt from 30' to surf. RD P&A equip, cut anchors, wellhead, and cleaned location P& A completed.

T.N.R.C.C. LETTER DATED 1-26-98

Depth 300 ft.

13(A) EXCAVATION Dated

Type or print only

S. Place Casing 360 ft.

D.V. @ ft.

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

Form W-2
Rev. 4/1/83
483-046

API No. 42- 317-34159

7. RRC District No. 8

8. RRC Lease No. 35729

Oil Well Potential Test, Completion or Recompletion Report, and Log

1. FIELD NAME (as per RRC Records or Wildcat): SPRABERRY (TREND AREA)

2. LEASE NAME: WOODY "36"

9. Well No. 2

3. OPERATOR'S NAME (Exactly as shown on P-5, Organization Report): ARCO Permian

RRC Operator No. 029347

10. County of well site: MARTIN

4. ADDRESS: P.O. Box 1610, Midland, TX 79702

11. Purpose of filing
Initial Potential [X]
Retest [ ]
Reclass [ ]
Well record only (explain in Remarks) [ ]

5. If Operator has changed within the last 60 days, name the former operator: TERRACE PETROLEUM CORPORATION

6a. Location (Section, Block, and Survey): 36 37, T2N T&P RR CO.

6b. Distance and direction to nearest town in this county: 11 MILES NW FROM STANTON

12. If workover or reclass, give former field (with reservoir) & gas ID or oil lease no.
FIELD & RESERVOIR | GAS ID or OIL LEASE # | Oil - O Gas - G | WELL NO.

RECORD CODIFICATION JUN 9 1998

13. Type of electric or other log run

14. Completion or recompletion date: 4/3/98

SECTION I: POTENTIAL TEST DATA

IMPORTANT: Test should be for 24 hours unless otherwise specified in field rules.

15. Date of test	16. No. of hours tested	17. Production method (Flowing, Gas Lift, Jetting, Pumping - Size & Type of pump)	18. Choke size
4/17/98	24	PUMPING	

	Oil - BBLS	Gas - MCF	Water - BBLS	Gas - Oil Ratio	Flowing Tubing Pressure
19. Production during Test Period	15	10	190	667	PSI
20. Calculated 24-Hour Rate	Oil - BBLS	Gas - MCF	Water - BBLS	Oil Gravity - API - 60° 41.0	Casing Pressure 50 PSI

21. Was swab used during this test? Yes [ ] No [X]

22. Oil produced prior to test (New & Reworked wells): 240

23. Injection Gas-Oil Ratio

REMARKS: Permitted under Terrace Petroleum Corporation

INSTRUCTIONS: File an original and one copy of the completed Form W-2 in the appropriate RRC District Office within 30 days after completing a well and within 10 days after a potential test. If an operator does not properly report the results of a potential test within the 10-day period, the effective date of the allowable assigned to the well will not extend back more than 10 days before the W-2 was received in the District Office. (Statewide Rules 16 and 51) To report a completion or recompletion, fill in both sides of this form. To report a retest, fill in only the front side.

JUN 1998 RECEIVED RECORDS

Return to Records Retention

WELL TESTER'S CERTIFICATION
I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I conducted or supervised this test by observation of (a) meter readings or (b) the top and bottom gauges of each tank into which production was run during the test. I further certify that the potential test data shown above is true, correct, and complete, to the best of my knowledge.

RECEIVED R.R.C. OF TEXAS APR 24 1998 O.G. MIDLAND, TEXAS

Signature: Well Tester | Name of Company | RRC Representative

OPERATOR'S CERTIFICATION
I declare under the penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

ELIZABETH A. CASBEER
Typed or printed name of operator's representative

REGULATORY/COMPLIANCE ANALYST
Title of Person

915-688-5570
Telephone: Area Code Number

4 / 20 / 98
Date: mo. day year

Signature: Elizabeth A. Casbeer

MAPPING 143 317-34159

VALID PERMIT
PRODUCTION ALLOCATION

SECTION II — DATA ON WELL COMPLETION AND LOG (Not Required on Reset)

24. Type of Completion: New Well [X] Deepening [ ] Plug Back [ ] Other [ ]

25. Permit to Drill, Plug Back, Deepen — DATE 1/27/98 — PERMIT NO. 472575
Rule 37 Exception — CASE NO.
Water injection Permit — PERMIT NO.
Salt Water Disposal Permit — PERMIT NO.
Other — PERMIT NO.

MAY 18 1998

26. Notice of Intention to Drill this well was filed in Name of
TERRACE PETROLEUM CORPORATION

27. Number of producing wells on this lease in this field (reservoir) including this well: 1

28. Total number of acres in this lease: 640

29. Date Plug Back, Deepening, Workover or Drilling Operations: Commenced 2/20/98 Completed 3/7/98

30. Distance to nearest well, Same Lease & Reservoir: NA

31. Location of well, relative to nearest lease boundaries of lease on which this well is located: 660 Feet from SOUTH Line of the WEST Line and 1980 Feet from WOODY "36" Lease

32. Elevation (DF, RKB, RT, GR, ETC.): 2784'GR

33. Was directional survey made other than inclination (W-12)? [ ] Yes [X] No

34. Top of Pay: 8040
35. Total Depth: 9500
36. P. B. Depth: 9434
37. Surface Casing Determined by: Field Rules [ ] Recommendation of T.D.W.R. [X] Dt. of Letter 1/26/98; Railroad Commission (Special) [ ] Dt. of Letter

38. Is well multiple completion? [ ] Yes [X] No

39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No.

FIELD & RESERVOIR	GAS ID or OIL LEASE #	Oil-O Gas-G	WELL #

40. Intervals Drilled by: Rotary Tools X; Cable Tools

41. Name of Drilling Contractor: J.S.M.

42. Is Cementing Affidavit Attached? [X] Yes [ ] No

43. CASING RECORD (Report All Strings Set in Well)

CASING SIZE	WT #/FT.	DEPTH SET	MULTISTAGE TOOL DEPTH	TYPE & AMOUNT CEMENT (sacks)	HOLE SIZE	TOP OF CEMENT	SLURRY VOL. cu. ft.
12-3/4	35	360		210	14-3/4	CIRC.	281
8-5/8	32	4130		400	11	2054'CALC	528
4-1/2	11.6	9500		1400	7-7/8	2954'TS	2742

44. LINER RECORD

Size	TOP	Bottom	Sacks Cement	Screen

45. TUBING RECORD

Size	Depth Set	Packer Set
2-3/8	8397	

46. Producing Interval (this completion) Indicate depth of perforation or open hole

From	To
8040	8060
8520	8540
9090	9110
9340	9360

47. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

Depth Interval	Amount and Kind of Material Used
8040-8060	FRAC W/500 GAL 15%: 56725 GAL AMBOR 125: 150000 #SD
8520-8540	FRAC W/500 GAL 15%: 51920 GAL AMBOR 125: 120000 #SD
9090-9110	FRAC W/1000 GAL 15%: 57735 GAL AMBOR 130: 135000 #SD
9340-9360	FRAC W/2000 GAL 15%: 72655 GAL AMBOR 135: 128000 #SD

48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)

Formations	Depth	Formations	Depth
CLEARFORK	6479	WOLFCAMP	9277
SPRABERRY	7608		
DEAN	8908		

REMARKS

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.)

1. FIELD NAME (as per RRC Records or Wildcat) SPRABERRY (TREND AREA)	2. LEASE NAME WOODY "36"
3. OPERATOR ARCO PERMIAN	
4. ADDRESS P.O. BOX 1610 MIDLAND, TEXAS 79702	
5. LOCATION (Section, Block, and Survey) SEC. 36, BLK 37, T2N, T&P RR CO.	

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6. RRC District 8	
7. RRC Lease Number. (Oil completions only)	
8. Well Number #2	
9. RRC Identification Number (Gas completions only)	
10. County MARTIN	

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)
360	3.60	1.00	1.75	6.30	6.30
856	4.96	.75	1.31	6.51	12.81
1354	4.98	1.00	1.75	8.72	21.53
1842	4.88	1.00	1.75	8.54	30.07
2412	5.70	1.00	1.75	9.98	40.04
2901	4.89	.75	1.31	6.42	46.46
3394	4.93	2.00	3.50	17.26	63.71
3895	5.01	1.00	1.75	8.77	72.48
4130	2.35	.75	1.31	3.08	75.57
4634	5.04	.75	1.31	6.62	82.18
5135	5.01	1.00	1.75	8.77	90.95
5622	4.87	1.00	1.75	8.52	99.47
6123	5.01	1.00	1.75	8.77	108.24
6620	4.97	1.25	2.19	10.87	119.11
7117	4.97	1.25	2.19	10.87	129.98
7637	5.20	1.00	1.75	9.10	139.08

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

17. Is any information shown on the reverse side of this form? [X] yes [ ] no
18. Accumulative total displacement of well bore at total depth of 9500 feet = 185.46 feet.
*19. Inclination measurements were made in — [ ] Tubing [ ] Casing [ ] Open hole [X] Drill Pipe
20. Distance from surface location of well to the nearest lease line 1660 feet.
21. Minimum distance to lease line as prescribed by field rules 1660 feet.
22. Was the subject well at any time intentionally deviated from the vertical in any manner whatsoever? none
(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.

Lanny Gortney
Signature of Authorized Representative
LANNY GORTNEY, VICE PRESIDENT
Name of Person and Title (type or print)
J.S.M. DRILLING COMPANY
Name of Company
Telephone: 915 530-0070
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.

Elizabeth A. Casbeer
Signature of Authorized Representative
ELIZABETH A. CASBEER - REG/COMP.
Name of Person and Title (type or print)
ARCO PERMIAN
Operator
Telephone: 915 688-5570
Area Code

Railroad Commission Use Only:
Checked ~~Approved~~ By: Regina Hinland Title: Admin Tech Date: 5-8-98

* 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)
8139	5.02	1.00	1.75	8.79	147.87
8698	5.59	1.25	2.19	12.23	160.09
9191	4.93	2.00	3.50	17.26	177.35
9500	3.09	1.50	2.63	8.11	185.46

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.

Cementer: Fill in shaded areas.
Operator: Fill in other items.

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

Form W-15
Cementing Report
Rev. 4/1/83
483-045

1. Operator's Name (As shown on Form P-5, Organization Report)	2. RRC Operator No.	3. RRC District No.	4. County of Well Site
ARCO PERMIAN	029347	8	MARTIN

5. Field Name (Wildcat or exactly as shown on RRC records)	6. API No.	7. Drilling Permit No.
SPRABERRY (TREND AREA)	42-317-34159	472575

8. Lease Name	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well No.
WOODY "36"			#2

CASING CEMENTING DATA:	SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
			Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date	2/20/98					
13. •Drilled hole size	14 3/4					
•Est. % wash or hole enlargement						
14. Size of casing (in. O.D.)	12 3/4					
15. Top of liner (ft.)						
16. Setting depth (ft.)	360					
17. Number of centralizers used	3					
18. Hrs. Waiting on cement before drill-out	9					
1st Slurry — 19. API cement used: No. of sacks ▶	210					
1st Slurry — Class ▶	C					
1st Slurry — Additives ▶	2% CACL2					
2nd Slurry — No. of sacks ▶						
2nd Slurry — Class ▶						
2nd Slurry — Additives ▶						
3rd Slurry — No. of sacks ▶						
3rd Slurry — Class ▶						
3rd Slurry — Additives ▶						
1st — 20. Slurry pumped: Volume (cu. ft.) ▶	281.4					
1st — Height (ft.) ▶	938					
2nd — Volume (cu. ft.) ▶						
2nd — Height (ft.) ▶						
3rd — Volume (cu. ft.) ▶						
3rd — Height (ft.) ▶						
Total — Volume (cu. ft.) ▶	281.4					
Total — Height (ft.) ▶	938					
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?	YES					

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22. Remarks

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CEMENTING TO PLUG AND ABANDON	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #8
23. Cementing date								
24. Size of hole or pipe plugged (in.)								
25. Depth to bottom of tubing or drill pipe (ft.)								
26. Sacks of cement used (each plug)								
27. Slurry volume pumped (cu. ft.)								
28. Calculated top of plug (ft.)								
29. Measured top of plug, if tagged (ft.)								
30. Slurry wt. (lbs/gal)								
31. Type cement								

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

JOE VEGA SS — Name and title of cementer's representative

BJ SERVICES — Cementing Company

Joe Vega — Signature

P.O. BOX 4717 ODESSA, TX 79760 — Address, City, State, Zip Code

915-381-2301 — Tel.: Area Code Number

2/20/98 — Date: mo. day yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

ELIZABETH A. CASBEER — Typed or printed name of operator's representative

REG COMP. ANALYST — Title

Elizabeth A. Casbeer — Signature

P.O. BOX 1610 MIDLAND TX 79702 — Address, City, State, Zip Code

915-688-5570 — Tel.: Area Code Number

4/20/98 — Date: mo. day yr.

Instructions to Form W-15, Cementing Report

IMPORTANT: Operators and cementing companies must comply with the requirements of the Commission's Statewide Rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion), and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

A. What to file. An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form. Form W-15 should be filed with the following:

- An initial oil or gas completion report, Form W-2 or G-1, as required by Statewide or special field rules;
- Form W-4, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
- Form W-3, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

B. Where to file. The appropriate Commission District Office for the county in which the well is located.

C. Surface casing. An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

D. Centralizers. Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.

E. Exceptions and alternative casing programs. The District Director may grant an exception to the requirements of Statewide Rule 13. In a written application, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. An operator must obtain approval of any exception before beginning casing and cementing operations.

F. Intermediate and production casing. For specific technical requirements, operators should consult Statewide Rule 13 (b) (3) and (4).

G. Plugging and abandoning. Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1,000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

Cementer: Fill in shaded areas.
Operator: Fill in other items.

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

Form W-15
Cementing Report
Rev. 4/1/83
483-045

1. Operator's Name (As shown on Form P-5, Organization Report)	2. RRC Operator No.	3. RRC District No.	4. County of Well Site
ARCO PERMIAN	029347	8	MARTIN

5. Field Name (Wildcat or exactly as shown on RRC records)	6. API No.	7. Drilling Permit No.
SPRABERRY (TREND AREA)	42-317-34199	472575

8. Lease Name	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well No.
WOODY "36"			2

CASING CEMENTING DATA:	SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
			Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date		2/24/98				
13. •Drilled hole size		11"				
•Est. % wash or hole enlargement						
14. Size of casing (in. O.D.)		8 5/8				
15. Top of liner (ft.)						
16. Setting depth (ft.)		4130				
17. Number of centralizers used		5				
18. Hrs. Waiting on cement before drill-out		10				
1st Slurry — 19. API cement used: No. of sacks ▶		400				
1st Slurry — Class ▶		C				
1st Slurry — Additives ▶		1% CACL2				
2nd Slurry — No. of sacks ▶						
2nd Slurry — Class ▶						
2nd Slurry — Additives ▶						
3rd Slurry — No. of sacks ▶						
3rd Slurry — Class ▶						
3rd Slurry — Additives ▶						
1st — 20. Slurry pumped: Volume (cu. ft.) ▶		528				
1st — Height (ft.) ▶		2076				
2nd — Volume (cu. ft.) ▶						
2nd — Height (ft.) ▶						
3rd — Volume (cu. ft.) ▶						
3rd — Height (ft.) ▶						
Total — Volume (cu. ft.) ▶		528				
Total — Height (ft.) ▶		2076				
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?		NO				

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22. Remarks

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CEMENTING TO PLUG AND ABANDON	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #3
23. Cementing date								
24. Size of hole or pipe plugged (in.)								
25. Depth to bottom of tubing or drill pipe (ft.)								
26. Sacks of cement used (each plug)								
27. Slurry volume pumped (cu. ft.)								
28. Calculated top of plug (ft.)								
29. Measured top of plug, if tagged (ft.)								
30. Slurry wt. (lbs/gal)								
31. Type cement								

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

RICKY GROSS SS — Name and title of cementer's representative

BJ SERVICES — Cementing Company

Signature

P.O. BOX 4717 ODESSA, TX 79760 — Address, City, State, Zip Code

915-381-2301 — Tel.: Area Code Number

2/24/98 — Date: mo. day yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

ELIZABETH A. CASBEER — Typed or printed name of operator's representative

REG/COMP. ANALYST — Title

Signature

P.O. BOX 1610 MIDLAND, TX 79702 — Address, City, State, Zip Code

915-685-5570 — Tel.: Area Code Number

4/20/98 — Date: mo. day yr.

Instructions to Form W-15, Cementing Report

IMPORTANT: Operators and cementing companies must comply with the requirements of the Commission's Statewide Rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion), and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

A. What to file. An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form. Form W-15 should be filed with the following:

- An initial oil or gas completion report, Form W-2 or G-1, as required by Statewide or special field rules;
- Form W-4, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
- Form W-3, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

B. Where to file. The appropriate Commission District Office for the county in which the well is located.

C. Surface casing. An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

D. Centralizers. Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.

E. Exceptions and alternative casing programs. The District Director may grant an exception to the requirements of Statewide Rule 13. In a written application, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. An operator must obtain approval of any exception before beginning casing and cementing operations.

F. Intermediate and production casing. For specific technical requirements, operators should consult Statewide Rule 13 (b) (3) and (4).

G. Plugging and abandoning. Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1,000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

Cementer: Fill in shaded areas.
Operator: Fill in other items.

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

Form W-15
Cementing Report
Rev. 4/1/83
483-045

1. Operator's Name (As shown on Form P-5, Organization Report)	2. RRC Operator No.	3. RRC District No.	4. County of Well Site
ARCO PERMIAN	029347	8	MARTIN

5. Field Name (Wildcat or exactly as shown on RRC records)	6. API No.	7. Drilling Permit No.
SPRABERRY (TREND AREA)	42- 317- 34159	472575

8. Lease Name	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well No.
WOODY "36"			#2

CASING CEMENTING DATA:	SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
			Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date			3/6/98			
13. •Drilled hole size			7 7/8			
•Est. % wash or hole enlargement						
14. Size of casing (in. O.D.)			4 1/2			
15. Top of liner (ft.)						
16. Setting depth (ft.)			9500			
17. Number of centralizers used			22			
18. Hrs. Waiting on cement before drill-out			NA			
1st Slurry — 19. API cement used: No. of sacks ▶			600			
1st Slurry — Class ▶			C			
1st Slurry — Additives ▶			REMARK1			
2nd Slurry — No. of sacks ▶			800			
2nd Slurry — Class ▶			H:POZ:GEL 50:50:2%			
2nd Slurry — Additives ▶			REMARK2			
3rd Slurry — No. of sacks ▶						
3rd Slurry — Class ▶						
3rd Slurry — Additives ▶						
1st — 20. Slurry pumped: Volume (cu. ft.) ▶			1734			
1st — Height (ft.) ▶			7612			
2nd — Volume (cu. ft.) ▶			1008			
2nd — Height (ft.) ▶			4425			
3rd — Volume (cu. ft.) ▶						
3rd — Height (ft.) ▶						
Total — Volume (cu. ft.) ▶			2742			
Total — Height (ft.) ▶			12037			
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?			NO			

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MIDLAND, TEXAS

22. Remarks
1. 3% SMS + 3# GILSONITE + ¼# CELLOFLAKE
2. 2/10% CD-32 + ¼# CELLOFLAKE

1070

CEMENTING TO PLUG AND ABANDON	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #8
23. Cementing date								
24. Size of hole or pipe plugged (in.)								
25. Depth to bottom of tubing or drill pipe (ft.)								
26. Sacks of cement used (each plug)								
27. Slurry volume pumped (cu. ft.)								
28. Calculated top of plug (ft.)								
29. Measured top of plug, if tagged (ft.)								
30. Slurry wt. (lbs/gal)								
31. Type cement								

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

RAYMOND GARCIA SS — Name and title of cementer's representative

BJ SERVICES — Cementing Company

Raymond M. Garcia — Signature

P.O. BOX 4717 ODESSA, TX 79760 — Address, City, State, Zip Code

915-381-2301 — Tel.: Area Code Number

3/6/98 — Date: mo. day yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

ELIZABETH A. CASBEER — Typed or printed name of operator's representative

REG/COMP. ANALYST — Title

Elizabeth A. Casbeer — Signature

P.O. BOX 1610 MIDLAND, TX 79702 — Address, City, State, Zip Code

915-688-5520 — Tel.: Area Code Number

4/20/98 — Date: mo. day yr.

Instructions to Form W-15, Cementing Report

IMPORTANT: Operators and cementing companies must comply with the requirements of the Commission's Statewide Rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion), and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

A. What to file. An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form. Form W-15 should be filed with the following:

- An initial oil or gas completion report, Form W-2 or G-1, as required by Statewide or special field rules;
- Form W-4, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
- Form W-3, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

B. Where to file. The appropriate Commission District Office for the county in which the well is located.

C. Surface casing. An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

D. Centralizers. Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.

E. Exceptions and alternative casing programs. The District Director may grant an exception to the requirements of Statewide Rule 13. In a written application, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. An operator must obtain approval of any exception before beginning casing and cementing operations.

F. Intermediate and production casing. For specific technical requirements, operators should consult Statewide Rule 13 (b) (3) and (4).

G. Plugging and abandoning. Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1,000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

Please Read Instructions

ELECTRIC LOG STATUS REPORT

FORM L-1

Rev. 12/88

INSTRUCTIONS

When to file the L-1

- with Forms G-1, W-2, and GT-1 for new and deepened gas, oil and geothermal wells
- with Form W-3 for plugged dry holes
- when sending in a log which was held under a request for confidentiality and the period of confidentiality has not yet expired

When the L-1 is NOT required

- with Forms W-2, G-1, and GT-1 filed for injection wells, disposal wells, water supply wells, service wells, re-test wells, re-classifications, and plugbacks of oil, gas, and geothermal wells
- with Form W-3 for plugging of other than a dry hole

Where to file the L-1

- with the appropriate Commission district office

Filling out the L-1

- Section I and the signature section must be filled out for all wells
- complete only the appropriate part of Section II

Type of log required

- any wireline survey run for the purpose of obtaining lithology, porosity, or resistivity information
- no more than one such log is required but it must be of the subject well
- if such a log is NOT run on the subject well, do NOT substitute any other type of log; just select Section II, Part A below

SEE REVERSE SIDE

SECTION I. IDENTIFICATION

Operator Name: ARCO Permian	District No.: 8	Completion Date: 4/3/98
Field Name: SPRABERRY (TREND AREA)	Drilling Permit No.: 472575	
Lease Name: WOODY "36"	Lease/ID No.:	Well No.: 2
County: ~~MIDLAND~~ Martin	API No. 42- 317-34159	

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SECTION II. LOG STATUS (complete either A. or B.)

[ ] A. BASIC ELECTRIC LOG NOT RUN

[X] B. BASIC ELECTRIC LOG RUN

- [ ] 1. Confidentiality requested.
- [ ] 2. Confidentiality already granted on basic electric log covering this interval (applicable to deepened wells only).
- [ ] 3. Basic electric log covering this interval already on file with Commission (applicable to deepened wells only).
- [X] 4. Log attached to (select one)
  - [X] (a) Form L-1 (this form). If the company/lease name on log is different from that shown in Section I, please enter name on log here: TERRACE PETROLEUM CORPORATION.
    Check here if attached log is being submitted after being held confidential [ ].
  - [ ] (b) Form P-7, Application for Discovery Allowable and New Field Designation.
  - [ ] (c) Form W-4, Application for Multiple Completion: Lease or ID no.(s) _____, well no.(s) _____

Elizabeth A. Casbeer
signature

REGULATORY COMPLIANCE ANALYST
title

ELIZABETH A. CASBEER
name (print)

(915) 688-5570
phone

4/20/98
date

For Railroad Commission use only

Electric Log Filing Requirements

As required by statute (T.N.R.C. Chapter 91, Subchapter M) and defined by Statewide Rule 16 (see copy below), a legible, unaltered final copy of a basic electric log run on a well must be filed with the completion report for that well (Form W-2 and Form G-1) or the plugging report for that well if it is a dry hole (Form W-3). The electric log will become a part of the public record.

You may, however, request a one-year period of confidentiality during which the log will be kept in your possession. Prior to the expiration of the initial period of confidentiality, you may request a renewal for a two-year period. Logs of wells drilled on land submerged in State water may be granted an additional two-year extension. At the end of the period(s) of confidentiality, a copy of the basic electric log must be filed with the Commission. The Commission will send you a notice prior to expiration of the confidentiality period(s). NOTE: **electric logs submitted in conjunction with an application for multiple completion or a new field designation are considered part of the public records; confidentiality cannot be granted them.**

&3.16 RULE 16. Log and Completion or Plugging Report, (Effective February 28, 1986)

(a) The owner or operator of an oil, gas or geothermal resource well, within thirty (30) days after the completion of such well or the plugging of such well, if the well is a dry hole, shall file with the Commission the appropriate completion or plugging report, and if a basic electric log is run on the well, a legible, unaltered final copy of such log shall be attached. A "basic electric log" means a lithology, porosity, or resistivity log run over the entire wellbore or in the alternative, if no such log is run over the entire wellbore, the log which is the most complete of such logs run. Amended completion reports must be filed for any change in perforations, or openhole or casing records within thirty (30) days after recompleting the well. In addition, if the well is deepened, a copy of a basic electric log run after September 1, 1985 should be submitted if such log is run over a deeper interval than the interval covered by a basic electric log already on file with the Commission for that wellbore.

(b) Each log filed with the Commission shall be considered public information and shall be available to the public during normal business hours. If the owner or operator of such well described in subsection (a) of this section desires log(s) to be confidential, the owner or operator must submit a written request for a delayed filing of the log(s). When filing such a request, the owner or operator must retain the log(s) and may delay filing such log(s) for one (1) year beginning from the date the completion or plugging report is required to be filed with the Commission. The owner or operator of such well may request an additional filing delay of two (2) years, provided the written request is filed prior to the expiration date of the initial confidentiality period. If a well is drilled on land submerged in state water, the owner or operator may request an additional filing delay of two (2) years so that a possible total filing delay of five (5) years may be obtained. A request for the additional two (2) year filing delay period must be in writing and be received prior to the expiration of the first two (2) year filing delay. Logs must be filed with the Commission within thirty (30) days after the expiration of the final confidentiality period.

(c) If the logs are not filed in accordance with the provisions of this section, the Commission may refuse to assign an allowable to a well or may set the allowable for such well at zero. If the well is a dry hole and the logs are not filed in accordance with the provisions of this section, the Commission may initiate penalty action pursuant to Title 3 of the Texas Natural Resources Code.

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APR 24 1998
O.G.
MIDLAND, TEXAS

THE UNDERSIGNED DOES HEREBY CERTIFY THAT THIS LOCATION WAS THIS DAY MADE ON THE GROUND BY ME OR UNDER MY SUPERVISION AND THAT THIS PLAT IS A CORRECT REPRESENTATION THEREOF.

DATED THIS 14TH DAY OF JANUARY, 1998

MAX A. SCHUMANN, JR.
RPLS 137

STATE OF TEXAS
REGISTERED
MAX A. SCHUMANN, JR.
137
PROFESSIONAL
LAND SURVEYOR

LOCATION PLAT

[illegible] P[illegible] CORP.

WELL NO. 2
WOODY "36" LEASE

1980 FEET FROM THE SOUTH;
660 FEET FROM THE WEST LINES

SECTION 36, BLOCK 37, T-2-N,
T&P RR CO SURVEY,

MARTIN COUNTY, TEXAS

SCALE: 1" = 1000'

PROJECT: 63575TPC
JOB NO: 63,575-B

SCHUMANN ENGINEERING CO., INC.

REGISTERED PROFESSIONAL LAND SURVEYORS
LICENSED STATE LAND SURVEYORS

REGISTERED PROFESSIONAL CIVIL ENGINEERS
TEXAS and NEW MEXICO

Civil Engineering ~ Land Surveying

408 N. PECOS STREET - P. O. BOX 504
MIDLAND, TEXAS 79702-0504

Office (915) 684-5548
Fax (915) 684-6973

Return each W-1 with plat and applicable fee. Make a check or money order payable to the State Treasurer of Texas.

Address to: 143
Railroad Commission of Texas
Oil and Gas Division, Drilling Permits
P. O. Box 12967
Austin, Texas 78711-2967

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

Application for Permit to Drill, Deepen, Plug Back, or Re-Enter

▶ File a copy of W-1 and plat in RRC District Office ▶ Read Instructions on Back

Form W-1
Rev. 3/93

EFFECTIVE SEPT. 1, 1991, PERMIT APPLICATION FEE WILL VARY ACCORDING TO THE TOTAL DEPTH SHOWN IN ITEM NO. 9 BELOW.
0-2000' - $100, 2001' - 4000' - $125
4001' - 9000' - $150 9001' or deeper - $200

Purpose of filing (mark appropriate boxes):
[X] Drill [ ] Deepen (below casing) [ ] Deepen (within casing) [ ] Plug Back [ ] Re-Enter
[ ] Horizontal [ ] Directional Well [ ] Sidetrack [ ] Amended Permit (enter permit no. at right & explain fully in Remarks)

Enter here, if assigned: API No. 42- 317-34159 Permit No. 472575 Rule 37 Case No.

1. Operator's Name (exactly as shown on Form P-5, Organization Report): Terrace Petroleum Corporation OK
3. RRC Operator No.: 843265
4. RRC District No.: 8
5. County of Well Site: Martin

2. Address (including city and zip code):
310 W. Wall, Suite 915
Midland, Tx. 79701
945973

6. Lease Name (32 spaces maximum): Woody "36"
7. RRC Lease/ID No.: NA
8. Well No.: 2
9. Total Depth: 9500'

10. Location
• Section 36 Block 37, T2N Survey T&P RR Co / M. TOM Abstract No. A- -911
• This well is to be located 11 miles in a NW direction from Stanton, which is the nearest town in the county of the well site.

11. Distance from proposed location to nearest lease or unit line 660 ft.
12. Number of contiguous acres in lease, pooled unit, or unitized tract 640 (OUTLINE ON PLAT.)

Granted 1/27/98

13. FIELD NAME (Exactly as shown on RRC proration schedule). List all established and wildcat zones of anticipated completion. Attach additional Form W-1's as needed to list these zones. One zone per line.	14. Completion depth	15. Spacing pattern (ft.)	16. Density pattern (acres)	17. Number of acres in drilling unit for this well. OUTLINE ON PLAT.	18. Is this acreage assigned to another well on this lease & in this reservoir? If so, explain in Remarks.	19. Distance from proposed location to nearest applied for, permitted, or completed well, this lease & reservoir. (ft.)	20. Oil, gas, or other type well (Specify)	21. No. of applied for, permitted, or completed locations (including this one) on lease in this reservoir. OIL	GAS
Spraberry (Trend Area)	7200'-9300'	660'-933'	~~160~~ 80	160	No	2700	oil	3	
85280300		Code C							
660 FWL		Code A 933							

22. Perpendicular surface location from two nearest designated lines:
• Lease/Unit ~~1980' FEL~~ & 1980' FSL
• Survey/Section ~~1980' FEL~~ & 1980' FSL

If a directional well, show also projected bottom-hole location:
• Lease/Unit
• Survey/Section

23. Is this a pooled unit? 660 FWL
Yes [ ] ▶ (Attach Form P-12 and certified plat.) No [XX]

24. Is Item 17 less than Item 16 (substandard acreage for any field applied for)?
Yes [ ] ▶ (Attach Form W-1A) No [XX]

25. Is this wellbore subject to Statewide Rule 36 (hydrogen sulfide area)? Yes [ ] No [XX]
If subject to Rule 36, is Form H-9 filed? Yes [ ] No [XX] ▶ If not filed, explain in Remarks.

26. Do you have the right to develop the minerals under any right-of-way that crosses, or is contiguous to, this tract? If not, and if the well requires a Rule 37 or 38 exception, see Instructions for Rule 37. Yes [XX] No [ ]

Remarks

I certify that information stated in this application is true and complete, to the best of my knowledge.

Signature: [signature] Name and title of operator's representative: Earl H. Michie, President

Date: 1-22-98 (mo. day yr.) Tel.: 915 684-5112 (Area Code Number)

200 APP

• RRC Use Only •
206213 JAN 23 98
472575

317-34159

MAPPING 143

Instructions to Form W-1

NOTICE: Review Statewide Rule 5, *Application to Drill, Deepen, Reenter, or Plug Back*, paragraph (c) for eligibility of an organization to file a W-1 application.

A. IMPORTANT: Do not begin drilling operations on any location until you receive a drilling permit from the Commission, and the waiting-clause period, if specified in the permit, has ended.

B. **Organization Report.** Before this application can be processed, a **Form P-5,** Organization Report, showing the exact operator name used on Form W-1, must be on file with the Commission in Austin.

C. **Fee.** With each W-1 application or materially amended W-1 application, the applicant must submit the applicable fee to the Commission in Austin. A check or money order must be made payable to the State Treasurer of Texas. This fee is nonrefundable. An application will be considered materially amended if the amendment requires the issuance of a new permit. A materially amended application includes an application in which an additional field or a change in location or field is sought for a previously permitted well. However, if a new application and/or permit becomes necessary because of Commission action, the fee may be waived.

D. **Surface casing.** Before the Commission will assign an allowable to a well, the operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Water Commission. Before drilling a well where Commission rules do not specify surface casing requirements, the operator must obtain a letter from the Department stating the protection depth. Write: TWC, Surface Casing, P. O. Box 13087, Capitol Station, Austin, Texas 78711-3087.

E. **What to file.** File Form W-1, a plat and the applicable fee in the Commission's Austin office. Send a copy of the W-1 and plat to the RRC District Office that serves the county of the proposed well site.

F. **Plat.** Each W-1 must be accompanied by a neat, accurate plat of the lease or unit which clearly shows the following:

For a REGULAR location (where the proposed site conforms to Commission rules)

- Drilling unit boundary for the proposed location and proration unit boundaries for each producing well on this lease or unit which is completed in the same field. Show the acreage contained in each unit. For Commission purposes, lease or unit acreage must be contiguous unless an exception to Statewide Rule 39 is granted. If a Rule 39 exception has previously been granted for the lease or unit, **attach a copy of the RRC approval.**
- Surface location of the proposed site. If the well is to be directionally drilled, show also the projected bottom-hole location.
- Perpendicular distance to nearest intersecting: (a) lease/unit lines and (b) survey/section lines. To avoid confusion, distinguish between the two sets of lines.
- Distance to nearest applied for, permitted, or completed well on this lease or unit in the same field.
- Section, block, or lot.
- Northerly direction.
- Scale. Where the size of the lease or unit will allow, use a scale of 1" = 1,000'. If it is not practical to show the entire lease or unit on the plat, attach a second plat, drawn to a scale no smaller than 1" = 2,000', to show the entire lease or unit in relation to the patent survey. Enter on Form W-1 (Item 12) the acreage for the entire lease or unit.
- On a pooled unit, outline the entire lease or unit as well as the individual tracts listed on Form P-12, Certificate of Pooling Authority.

For a RULE 37 or RULE 38 Exception (where spacing or acreage is less than prescribed by rule)

- A **certified** plat of the entire lease or unit which includes the information described above; and
- A list of the names and addresses of all offsetting operators or unleased mineral interest owners of each tract which is contiguous to the drill site tract. If you do not have the right to develop the minerals under any right-of-way that crosses, or is contiguous to, this tract, and if the well requires a Rule 37 or 38 exception, list also the name and address of the person who has this right. The list should refer to the plat clearly so as to enable the Commission to readily identify each tract and its operator or mineral owner.

  NOTE: If you penetrate a Rule 37 or 38 zone in which you do not propose to complete at this time, you will not necessarily be allowed to use the existence of this wellbore as justification for an exception to complete this wellbore in such zone in the future.

G. **Specific Items.**

Item 13. **Field name.** Use only field designations, including reservoir, approved by the Commission (not proposed field names). Enter "Wildcat" if the reservoir has no RRC field designation and give the total projected depth under "Completion Depth." If the well is to be drilled in a multi-pay area, list all established and wildcat zones for which a completion is proposed. If necessary, attach additional Form W-1's to list these zones.

Item 15. **Spacing pattern.** If the proposed location of the well is in a field with special field rules, enter the appropriate spacing pattern. If there are no field rules in effect, Statewide Rule 37 spacing applies. Rule 37 requires wells to be spaced at least 467 feet from lease lines and 1,200 feet from other wells completed in the same reservoir and on the same lease, with one well to each 40 acres. However, if the proposed location is in RRC Districts 7B, 9, or in McCulloch County (District 7C), and in a field with no special field rules adopted, a district (or county regular) rule will apply, with special spacing and depth controls for wells drilled to 5,000 feet or above.

Item 16. **Density pattern.** If the proposed location is in a field with special field rules, enter the appropriate density pattern. If there are no field rules in effect, Statewide Rules 37 and 38 apply, allowing one well to each 40 acres. However, if the proposed location is in RRC Districts 7B, 9, or in McCulloch County (District 7C), and in a field with no special field rules adopted, the special spacing and depth controls in Rule 38(b) govern density.

FORM W-1 TELEPHONE LOG SHEET

PERMIT # 472575

DATE	COMMENTS
1/27/98	Earl Michie corrected perpendicular
	location to the lease/unit.

RECEIVED
R.R.C. OF TEXAS
JAN 23 1998
OIL & GAS DIVISION
AUSTIN, TEXAS

THE UNDERSIGNED DOES HEREBY CERTIFY THAT THIS LOCATION WAS THIS DAY MADE ON THE GROUND BY ME OR UNDER MY SUPERVISION AND THAT THIS PLAT IS A CORRECT REPRESENTATION THEREOF.

DATED THIS 14TH DAY OF JANUARY, 1998

MAX A. SCHUMANN, JR.
RPLS 137

STATE OF TEXAS
REGISTERED
MAX A. SCHUMANN, JR.
137
PROFESSIONAL
LAND SURVEYOR

LOCATION PLAT

TERRACE PETROLEUM CORP.

WELL NO. 2
WOODY "36" LEASE

1980 FEET FROM THE SOUTH;
660 FEET FROM THE WEST LINES

SECTION 36, BLOCK 37, T-2-N,
T&P RR CO SURVEY,

MARTIN COUNTY, TEXAS

SCALE: 1" = 1000'

PROJECT: 63575TPC
JOB NO: 63,575-B

SCHUMANN ENGINEERING CO., INC.

REGISTERED PROFESSIONAL LAND SURVEYORS
LICENSED STATE LAND SURVEYORS

REGISTERED PROFESSIONAL CIVIL ENGINEERS
TEXAS and NEW MEXICO

Civil Engineering ~ Land Surveying

408 N. PECOS STREET - P. O. BOX 504
MIDLAND, TEXAS 79702-0504

Office (915) 684-5548
Fax (915) 684-6973

T.N.R.C.C. LETTER DATED 1-26-98

Depth 300

13(A) Exception Date

Surface Casing 359 ft.

D.V. (1) ft.

Type or print only

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

Form W-2
Rev. 4/1/83
483-046

API No. 42- 317-34157

7. RRC District No. 8

Oil Well Potential Test, Completion or Recompletion Report, and Log

35729

8. RRC Lease No. ~~35728~~

1. FIELD NAME (as per RRC Records or Wildcat): SPRABERRY (TREND AREA)

2. LEASE NAME: WOODY "36"

9. Well No. 3

3. OPERATOR'S NAME (Exactly as shown on P-5, Organization Report): ARCO Permian

RRC Operator No. 029347

10. County of well site: MARTIN

4. ADDRESS: P.O. Box 1610, Midland, TX 79702

11. Purpose of filing
- Initial Potential [X]
- Retest [ ]
- Reclass [ ]
- Well record only (explain in Remarks) [ ]

5. If Operator has changed within the last 60 days, name the former operator: TERRACE PETROLEUM CORPORATION

6a. Location (Section, Block, and Survey): 36 37, T2N T&P RR CO.

6b. Distance and direction to nearest town in this county: 11 MILES NW FROM STANTON

12. If workover or reclass, give former field (with reservoir) & gas ID or oil lease no.

FIELD & RESERVOIR	GAS ID or OIL LEASE #	Oil - O Gas - G	WELL NO.

RECORD CODIFICATION JUN 8 1998

13. Type of electric or other log run

14. Completion or recompletion date: 3/31/98

SECTION I: POTENTIAL TEST DATA

IMPORTANT: Test should be for 24 hours unless otherwise specified in field rules.

15. Date of test	16. No. of hours tested	17. Production method (Flowing, Gas Lift, Jetting, Pumping - Size & Type of pump)	18. Choke size
4/17/98	24	PUMPING	

	Oil - BBLS	Gas - MCF	Water - BBLS	Gas - Oil Ratio	Flowing Tubing Pressure
19. Production during Test Period	18	10	190	556	PSI
20. Calculated 24-Hour Rate	Oil - BBLS	Gas - MCF	Water - BBLS	Oil Gravity - API - 60° 41.0	Casing Pressure 50 PSI

21. Was swab used during this test? Yes [ ] No [X]

22. Oil produced prior to test (New & Reworked wells): 272

23. Injection Gas-Oil Ratio

REMARKS: permitted under Terrace Petroleum Corporation

INSTRUCTIONS: File an original and one copy of the completed Form W-2 in the appropriate RRC District Office within **30** days after completing a well and within **10** days after a potential test. If an operator does not properly report the results of a potential test within the 10-day period, the effective date of the allowable assigned to the well will not extend back more than 10 days before the W-2 was received in the District Office. (Statewide Rules 16 and 51) To report a completion or recompletion, fill in both sides of this form. To report a retest, fill in only the front side.

Return to Records Retention

JUN 1998 RECORDS

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WELL TESTER'S CERTIFICATION
I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I conducted or supervised this test by observation of (a) meter readings or (b) the top and bottom gauges of each tank into which production was run during the test. I further certify that the potential test data shown above is true, correct, and complete, to the best of my knowledge.

Signature: Well Tester | Name of Company Representative

OPERATOR'S CERTIFICATION
I declare under the penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

ELIZABETH A. CASBEER
Typed or printed name of operator's representative

REGULATORY/COMPLIANCE ANALYST
Title of Person

915-688-5570
Telephone: Area Code Number

Date: 4 / 20 / 98 (mo. day year)

Elizabeth A. Casbeer
Signature

1108

VALID PERMIT
PRODUCTION ALLOCATION

MAY 18 1998

SECTION II — DATA ON WELL COMPLETION AND LOG (Not Required on Reset)

24. Type of Completion: New Well [X] Deepening [ ] Plug Back [ ] Other [ ]

25. Permit to Drill, Plug Back or, Deepen — DATE: 1/26/98 — PERMIT NO.: 472570

Rule 37 Exception — CASE NO.

Water injection Permit — PERMIT NO.

Salt Water Disposal Permit — PERMIT NO.

Other — PERMIT NO.

26. Notice of Intention to Drill this well was filed in Name of: TERRACE PETROLEUM CORPORATION

27. Number of producing wells on this lease in this field (reservoir) including this well: 2

28. Total number of acres in this lease: 640

29. Date Plug Back, Deepening, Workover or Drilling Operations: Commenced 2/7/98 — Completed 2/20/98

30. Distance to nearest well, Same Lease & Reservoir: 2850'

31. Location of well, relative to nearest lease boundaries of lease on which this well is located: 1980 Feet from SOUTH Line of the EAST Line and 1980 Feet from WOODY "36" Lease

32. Elevation (DF, RKB, RT, GR, ETC.): 2798'GR

33. Was directional survey made other than inclination (W-12)? [ ] Yes [X] No

34. Top of Pay: 8040

35. Total Depth: 9500

36. P. B. Depth: 9420

37. Surface Casing Determined by: Field Rules [ ] Recommendation of T.D.W.R. [X] Dt. of Letter 1/26/98 Railroad Commission (Special) [ ] Dt. of Letter

38. Is well multiple completion? [ ] Yes [X] No

39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No.

FIELD & RESERVOIR	GAS ID or OIL LEASE #	Oil-O Gas-G	WELL #

40. Intervals Drilled by: Rotary Tools X — Cable Tools

41. Name of Drilling Contractor: J.S.M.

42. Is Cementing Affidavit Attached? [X] Yes [ ] No

43. CASING RECORD (Report All Strings Set in Well)

CASING SIZE	WT #/FT.	DEPTH SET	MULTISTAGE TOOL DEPTH	TYPE & AMOUNT CEMENT (sacks)	HOLE SIZE	TOP OF CEMENT	SLURRY VOL. cu. ft.
12-3/4	35	359		230	14-3/4	CIRC.	308
8-5/8	28	4170		400	11	2072'CALC	532
4-1/2	11.6	9500		1400	7-7/8	3280'TS	6145

44. LINER RECORD

Size	TOP	Bottom	Sacks Cement	Screen

45. TUBING RECORD

Size	Depth Set	Packer Set
2-3/8	8397	

46. Producing Interval (this completion) Indicate depth of perforation or open hole

From	To
8040	8060
8590	8610
9100	9120
9330	9350

47. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

Depth Interval	Amount and Kind of Material Used
8040-8060	FRAC W/500 GAL 15%: 52095 GAL AMBOR 125: 125000 #SD
8590-8610	FRAC W/500 GAL 15%: 53370 GAL AMBOR 125: 134000 #SD
9100-9120	FRAC W/1000 GAL 15%: 67880 GAL AMBOR 130: 166000 #SD
9330-9350	FRAC W/2000 GAL 15%: 69535 GAL AMBOR 135: 99000 #SD

48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)

Formations	Depth	Formations	Depth
CLEARFORK	6465	WOLFCAMP	9262
SPRABERRY	7650		
DEAN	8905		

REMARKS

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.)

1. FIELD NAME (as per RRC Records or Wildcat)	SPRABERRY (TREND Area)
2. LEASE NAME	Woody "36"
3. OPERATOR	ARCO PERMIAN
4. ADDRESS	P.O. Box 1610, Midland, Tx 79702
5. LOCATION (Section, Block, and Survey)	S36, B37, T2N, T&P
6. RRC District	8
7. RRC Lease Number. (Oil completions only)	
8. Well Number	#3
9. RRC Identification Number (Gas completions only)	
10. County	Martin

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R.R.C. OF TEXAS
APR 24 1998
O.G.
MIDLAND, TEXAS

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)
358	3.58	1.00	1.75	6.27	6.27
855	4.97	.75	1.31	6.52	12.79
1347	4.92	1.00	1.75	8.61	21.40
1881	5.34	1.25	2.19	11.68	33.08
2376	4.95	1.50	2.63	12.99	46.07
2862	4.86	.25	.44	2.13	48.20
3358	4.96	.25	.44	2.17	50.37
3858	5.00	1.00	1.75	8.75	59.12
4175	3.17	1.00	1.75	5.55	64.67
4790	6.15	1.00	1.75	10.76	75.43
5281	4.91	.25	.44	2.15	77.58
5773	4.92	1.25	2.19	10.76	88.34
6269	4.96	1.75	3.06	15.19	103.53
6744	4.75	.75	1.31	6.23	109.76
7230	4.86	.50	.88	4.25	114.02
7731	5.01	.50	.88	4.38	118.40

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

17. Is any information shown on the reverse side of this form? [X] yes [ ] no
18. Accumulative total displacement of well bore at total depth of 9500 feet = 147.07 feet.
*19. Inclination measurements were made in — [ ] Tubing [ ] Casing [ ] Open hole [X] Drill Pipe
20. Distance from surface location of well to the nearest lease line 1980 feet.
21. Minimum distance to lease line as prescribed by field rules 660 feet.
22. Was the subject well at any time intentionally deviated from the vertical in any manner whatsoever? none
(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.

Lanny Gortney
Signature of Authorized Representative
Lanny Gortney, Operations Manager
Name of Person and Title (type or print)
J.S.M. DRILLING COMPANY
Name of Company
Telephone: 915 530-0070
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.

Elizabeth A. Casbeer
Signature of Authorized Representative
ELIZABETH A. CASBEER - Rec Comp.
Name of Person and Title (type or print)
ARCO PERMIAN
Operator
Telephone: 915 688-5520
Area Code

Railroad Commission Use Only:
Checked Approved By: Regina Henland Title: Admin Tech Date: 5-8-98

* 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)
8253	5.22	.75	1.31	6.85	125.25
8743	4.90	1.00	1.75	8.58	133.83
9500	7.57	1.00	1.75	13.25	147.07

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.

Cementer: Fill in shaded areas.
Operator: Fill in other items.

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

Form W-15
Cementing Report
Rev. 4/1/83
483-045

1. Operator's Name (As shown on Form P-5, Organization Report)	2. RRC Operator No.	3. RRC District No.	4. County of Well Site
ARCO PERMIAN	029347	8	MARTIN

5. Field Name (Wildcat or exactly as shown on RRC records)	6. API No.	7. Drilling Permit No.
SPRABERRY (TREND AREA)	42-317-34157	472570

8. Lease Name	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well No.
WOODY "36"			#3

CASING CEMENTING DATA:	SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
			Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date	2/7/98					
13. •Drilled hole size	14 3/4					
•Est. % wash or hole enlargement						
14. Size of casing (in. O.D.)	12 3/4					
15. Top of liner (ft.)						
16. Setting depth (ft.)	359					
17. Number of centralizers used	3					
18. Hrs. Waiting on cement before drill-out	10					
1st Slurry — 19. API cement used: No. of sacks ▶	230					
Class ▶	C					
Additives ▶	2% CACL 2					
2nd Slurry — No. of sacks ▶						
Class ▶						
Additives ▶						
3rd Slurry — No. of sacks ▶						
Class ▶						
Additives ▶						
1st — 20. Slurry pumped: Volume (cu. ft.) ▶	308					
Height (ft.) ▶	1025					
2nd — Volume (cu. ft.) ▶						
Height (ft.) ▶						
3rd — Volume (cu. ft.) ▶						
Height (ft.) ▶						
Total — Volume (cu. ft.) ▶	308					
Height (ft.) ▶	1025					
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?	YES					

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22. Remarks

1070

CEMENTING TO PLUG AND ABANDON	[redacted] #1	PLUG #2	PLUG #3	PLUG #4	[redacted] #5	PLUG #6	PLUG #7	PLUG #8
23. Cementing date								
24. Size of hole or pipe plugged (in.)								
25. Depth to bottom of tubing or drill pipe (ft.)								
26. Sacks of cement used (each plug)								
27. Slurry volume pumped (cu. ft.)								
28. Calculated top of plug (ft.)								
29. Measured top of plug, if tagged (ft.)								
30. Slurry wt. (lbs/gal)								
31. Type cement								

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

RAUL RUIZ SS — Name and title of cementer's representative

BJ SERVICES — Cementing Company

R. Ruiz — Signature

P.O. BOX 4717 — Address

ODESSA, TEXAS 79760 — City, State, Zip Code

(915) 381-2301 — Tel.: Area Code Number

2/7/98 — Date: mo. day yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

ELIZABETH A. CASBEER — Typed or printed name of operator's representative

REG. COMP. ANALYST — Title

Elizabeth A. Casbeer — Signature

P.O. BOX 1010 — Address

MIDLAND — City,

TX — State,

79702 — Zip Code

915-688-5570 — Tel.: Area Code Number

4/20/98 — Date: mo. day yr.

Instructions to Form W-15, Cementing Report

IMPORTANT: Operators and cementing companies must comply with the requirements of the Commission's Statewide Rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion), and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

A. What to file. An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form. Form W-15 should be filed with the following:

- An initial oil or gas completion report, Form W-2 or G-1, as required by Statewide or special field rules;
- Form W-4, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
- Form W-3, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

B. Where to file. The appropriate Commission District Office for the county in which the well is located.

C. Surface casing. An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

D. Centralizers. Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.

E. Exceptions and alternative casing programs. The District Director may grant an exception to the requirements of Statewide Rule 13. In a written application, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. An operator must obtain approval of any exception before beginning casing and cementing operations.

F. Intermediate and production casing. For specific technical requirements, operators should consult Statewide Rule 13 (b) (3) and (4).

G. Plugging and abandoning. Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1,000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

Cementer: Fill in shaded areas.
Operator: Fill in other items.

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

Form W-15
Cementing Report
Rev. 4/1/83
483-045

1. Operator's Name (As shown on Form P-5, Organization Report)	2. RRC Operator No.	3. RRC District No.	4. County of Well Site
ARCO PERMIAN	029347	8	MARTIN

5. Field Name (Wildcat or exactly as shown on RRC records)	6. API No.	7. Drilling Permit No.
SPRABERRY (TREND AREA)	42-317-34157	472570

8. Lease Name	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well No.
WOODY "36"			3

CASING CEMENTING DATA:	SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
			Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date		2/11/98				
13. •Drilled hole size		11"				
•Est. % wash or hole enlargement						
14. Size of casing (in. O.D.)		8 5/8				
15. Top of liner (ft.)						
16. Setting depth (ft.)		4170				
17. Number of centralizers used		5				
18. Hrs. Waiting on cement before drill-out		9				
1st Slurry — 19. API cement used: No. of sacks ▶		400				
Class ▶		C				
Additives ▶		1% CACL2				
2nd Slurry — No. of sacks ▶						
Class ▶						
Additives ▶						
3rd Slurry — No. of sacks ▶						
Class ▶						
Additives ▶						
1st — 20. Slurry pumped: Volume (cu. ft.) ▶		532				
Height (ft.) ▶		2098				
2nd — Volume (cu. ft.) ▶						
Height (ft.) ▶						
3rd — Volume (cu. ft.) ▶						
Height (ft.) ▶						
Total — Volume (cu. ft.) ▶		532				
Height (ft.) ▶		2098				
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?		NO				

22. Remarks

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CEMENTING TO PLUG AND ABANDON	[redacted]G #1	PLUG #2	PLUG #3	PLUG #4	[redacted]#5	PLUG #6	PLUG #7	PLUG #8
23. Cementing date								
24. Size of hole or pipe plugged (in.)								
25. Depth to bottom of tubing or drill pipe (ft.)								
26. Sacks of cement used (each plug)								
27. Slurry volume pumped (cu. ft.)								
28. Calculated top of plug (ft.)								
29. Measured top of plug, if tagged (ft.)								
30. Slurry wt. (lbs/gal)								
31. Type cement								

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

RICKY GROSS SS — Name and title of cementer's representative

BJ SERVICES — Cementing Company

R. Gross — Signature

P.O. BOX 4717 ODESSA, TX 79760 — Address, City, State, Zip Code

915-381-2301 — Tel.: Area Code Number

2/11/98 — Date: mo. day yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

ELIZABETH A. CASBEER — Typed or printed name of operator's representative

REG. COMP. ANALYST — Title

Elizabeth A. Casbeer — Signature

P.O. BOX 1610, MIDLAND TX 79702 — Address, City, State, Zip Code

915-688-5570 — Tel.: Area Code Number

4/20/98 — Date: mo. day yr.

Instructions to Form W-15, Cementing Report

IMPORTANT: Operators and cementing companies must comply with the requirements of the Commission's Statewide Rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion), and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

A. What to file. An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form. Form W-15 should be filed with the following:

- An initial oil or gas completion report, Form W-2 or G-1, as required by Statewide or special field rules;
- Form W-4, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
- Form W-3, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

B. Where to file. The appropriate Commission District Office for the county in which the well is located.

C. Surface casing. An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

D. Centralizers. Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.

E. Exceptions and alternative casing programs. The District Director may grant an exception to the requirements of Statewide Rule 13. In a written application, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. An operator must obtain approval of any exception before beginning casing and cementing operations.

F. Intermediate and production casing. For specific technical requirements, operators should consult Statewide Rule 13 (b) (3) and (4).

G. Plugging and abandoning. Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1,000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

Cementer: Fill in shaded areas.
Operator: Fill in other items.

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

Form W-15
Cementing Report
Rev. 4/1/83
483-045

1. Operator's Name (As shown on Form P-5, Organization Report)	2. RRC Operator No.	3. RRC District No.	4. County of Well Site
ARCO PERMIAN	029347	8	MARTIN

5. Field Name (Wildcat or exactly as shown on RRC records)	6. API No.	7. Drilling Permit No.
SPRABERRY (TREND AREA)	42-317-34157	472570

8. Lease Name	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well No.
WOODY "36"			#3

CASING CEMENTING DATA:	SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
			Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date			2/19/98			
13. •Drilled hole size			7 7/8			
•Est. % wash or hole enlargement						
14. Size of casing (in. O.D.)			4 1/2			
15. Top of liner (ft.)						
16. Setting depth (ft.)			9500			
17. Number of centralizers used			22			
18. Hrs. Waiting on cement before drill-out			NA			
1st Slurry — 19. API cement used: No. of sacks ▶			600			
1st Slurry — Class ▶			C			
1st Slurry — Additives ▶			REMARK 1			
2nd Slurry — No. of sacks ▶			800			
2nd Slurry — Class ▶			H + POZ			
2nd Slurry — Additives ▶			REMARK 2			
3rd Slurry — No. of sacks ▶						
3rd Slurry — Class ▶						
3rd Slurry — Additives ▶						
1st — 20. Slurry pumped: Volume (cu. ft.) ▶			1734			
1st — Height (ft.) ▶			7591			
2nd — Volume (cu. ft.) ▶			1008			
2nd — Height (ft.) ▶			4411			
3rd — Volume (cu. ft.) ▶						
3rd — Height (ft.) ▶						
Total — Volume (cu. ft.) ▶			6145			
Total — Height (ft.) ▶			12002			
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?			NO			

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22. Remarks #1. C + 3% SMS + 3# GILSONITE + ¼# CELLO FLAKE
#2.2% GEL + 2/10% CD-32 + ¼# CELLO FLAKE

CEMENTING TO PLUG AND ABANDON	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #8
23. Cementing date								
24. Size of hole or pipe plugged (in.)								
25. Depth to bottom of tubing or drill pipe (ft.)								
26. Sacks of cement used (each plug)								
27. Slurry volume pumped (cu. ft.)								
28. Calculated top of plug (ft.)								
29. Measured top of plug, if tagged (ft.)								
30. Slurry wt. (lbs/gal)								
31. Type cement								

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

JAY WALSER SS — Name and title of cementer's representative

BJ SERVICES — Cementing Company

Jay Walser — Signature

P.O. BOX 4717 — Address

ODESSA, TEXAS 79760 — City, State, Zip Code

(915) 381-2301 — Tel.: Area Code Number

2/19/98 — Date: mo. day yr.

OPERATOR'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

ELIZABETH A. CASBEER — Typed or printed name of operator's representative

REG/COMP. ANALYST — Title

Elizabeth A. Casbeer — Signature

P.O. BOX 1610 — Address

MIDLAND, TX 79702 — City, State, Zip Code

915-688-5570 — Tel.: Area Code Number

4/20/98 — Date: mo. day yr.

Instructions to Form W-15, Cementing Report

IMPORTANT: Operators and cementing companies must comply with the requirements of the Commission's Statewide Rules 8 (Water Protection), 13 (Casing, Cementing, Drilling, and Completion), and 14 (Well Plugging). For offshore operations, see the requirements of Rule 13 (c).

A. What to file. An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form. Form W-15 should be filed with the following:

- An initial oil or gas completion report, Form W-2 or G-1, as required by Statewide or special field rules;
- Form W-4, Application for Multiple Completion, if the well is a multiple parallel casing completion; and
- Form W-3, Plugging Record, unless the W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

B. Where to file. The appropriate Commission District Office for the county in which the well is located.

C. Surface casing. An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Department of Water Resources, Austin. Before drilling a well in any field or area in which no field rules are in effect or in which surface casing requirements are not specified in the applicable rules, an operator must obtain a letter from the Department of Water Resources stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

D. Centralizers. Surface casing must be centralized at the shoe, above and below a stage collar or diverting tool, if run, and through usable-quality water zones. In nondeviated holes, a centralizer must be placed every fourth joint from the cement shoe to the ground surface or to the bottom of the cellar. All centralizers must meet API specifications.

E. Exceptions and alternative casing programs. The District Director may grant an exception to the requirements of Statewide Rule 13. In a written application, an operator must state the reason for the requested exception and outline an alternate program for casing and cementing through the protection depth for strata containing usable-quality water. The District Director may approve, modify, or reject a proposed program. An operator must obtain approval of any exception before beginning casing and cementing operations.

F. Intermediate and production casing. For specific technical requirements, operators should consult Statewide Rule 13 (b) (3) and (4).

G. Plugging and abandoning. Cement plugs must be placed in the wellbore as required by Statewide Rule 14. The District Director may require additional cement plugs. For onshore or inland wells, a 10-foot cement plug must be placed in the top of the well, and the casing must be cut off three feet below the ground surface. All cement plugs, except the top plug, must have sufficient slurry volume to fill 100 feet of hole, plus ten percent for each 1,000 feet of depth from the ground surface to the bottom of the plug.

To plug and abandon a well, operators must use only cementers approved by the Director of Field Operations. Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

Please Read Instructions

ELECTRIC LOG STATUS REPORT

FORM L-1

Rev. 12/88

INSTRUCTIONS

When to file the L-1

- with Forms G-1, W-2, and GT-1 for new and deepened gas, oil and geothermal wells
- with Form W-3 for plugged dry holes
- when sending in a log which was held under a request for confidentiality and the period of confidentiality has not yet expired

When the L-1 is NOT required

- with Forms W-2, G-1, and GT-1 filed for injection wells, disposal wells, water supply wells, service wells, re-test wells, re-classifications, and plugbacks of oil, gas, and geothermal wells
- with Form W-3 for plugging of other than a dry hole

Where to file the L-1

- with the appropriate Commission district office

Filling out the L-1

- Section I and the signature section must be filled out for all wells
- complete only the appropriate part of Section II

Type of log required

- any wireline survey run for the purpose of obtaining lithology, porosity, or resistivity information
- no more than one such log is required but it must be of the subject well
- if such a log is NOT run on the subject well, do NOT substitute any other type of log; just select Section II, Part A below

SEE REVERSE SIDE

SECTION I. IDENTIFICATION

Operator Name: ARCO Permian	District No.: 8	Completion Date: 3/31/98
Field Name: SPRABERRY (TREND AREA)	Drilling Permit No.: 472570	
Lease Name: WOODY "36"	Lease/ID No.:	Well No.: 3
County: ~~MIDLAND~~ Martin	API No. 42- 317-34157	

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SECTION II. LOG STATUS (complete either A. or B.)

[ ] A. BASIC ELECTRIC LOG NOT RUN

[X] B. BASIC ELECTRIC LOG RUN

- [ ] 1. Confidentiality requested.
- [ ] 2. Confidentiality already granted on basic electric log covering this interval (applicable to deepened wells only).
- [ ] 3. Basic electric log covering this interval already on file with Commission (applicable to deepened wells only).
- [X] 4. Log attached to (select one)
  - [X] (a) Form L-1 (this form). If the company/lease name on log is different from that shown in Section I, please enter name on log here: TERRACE PETROLEUM CORPORATION.
    Check here if attached log is being submitted after being held confidential [ ].
  - [ ] (b) Form P-7, Application for Discovery Allowable and New Field Designation.
  - [ ] (c) Form W-4, Application for Multiple Completion: Lease or ID no.(s) _____, well no.(s) _____

Elizabeth A. Casbeer
signature

REGULATORY COMPLIANCE ANALYST
title

ELIZABETH A. CASBEER
name (print)

(915) 688-5570
phone

4/20/98
date

For Railroad Commission use only

Electric Log Filing Requirements

As required by statute (T.N.R.C. Chapter 91, Subchapter M) and defined by Statewide Rule 16 (see copy below), a legible, unaltered final copy of a basic electric log run on a well must be filed with the completion report for that well (Form W-2 and Form G-1) or the plugging report for that well if it is a dry hole (Form W-3). The electric log will become a part of the public record.

You may, however, request a one-year period of confidentiality during which the log will be kept in your possession. Prior to the expiration of the initial period of confidentiality, you may request a renewal for a two-year period. Logs of wells drilled on land submerged in State water may be granted an additional two-year extension. At the end of the period(s) of confidentiality, a copy of the basic electric log must be filed with the Commission. The Commission will send you a notice prior to expiration of the confidentiality period(s). NOTE: **electric logs submitted in conjunction with an application for multiple completion or a new field designation are considered part of the public records; confidentiality cannot be granted them.**

&3.16 RULE 16. Log and Completion or Plugging Report, (Effective February 28, 1986)

(a) The owner or operator of an oil, gas or geothermal resource well, within thirty (30) days after the completion of such well or the plugging of such well, if the well is a dry hole, shall file with the Commission the appropriate completion or plugging report, and if a basic electric log is run on the well, a legible, unaltered final copy of such log shall be attached. A "basic electric log" means a lithology, porosity, or resistivity log run over the entire wellbore or in the alternative, if no such log is run over the entire wellbore, the log which is the most complete of such logs run. Amended completion reports must be filed for any change in perforations, or openhole or casing records within thirty (30) days after recompleting the well. In addition, if the well is deepened, a copy of a basic electric log run after September 1, 1985 should be submitted if such log is run over a deeper interval than the interval covered by a basic electric log already on file with the Commission for that wellbore.

(b) Each log filed with the Commission shall be considered public information and shall be available to the public during normal business hours. If the owner or operator of such well described in subsection (a) of this section desires log(s) to be confidential, the owner or operator must submit a written request for a delayed filing of the log(s). When filing such a request, the owner or operator must retain the log(s) and may delay filing such log(s) for one (1) year beginning from the date the completion or plugging report is required to be filed with the Commission. The owner or operator of such well may request an additional filing delay of two (2) years, provided the written request is filed prior to the expiration date of the initial confidentiality period. If a well is drilled on land submerged in state water, the owner or operator may request an additional filing delay of two (2) years so that a possible total filing delay of five (5) years may be obtained. A request for the additional two (2) year filing delay period must be in writing and be received prior to the expiration of the first two (2) year filing delay. Logs must be filed with the Commission within thirty (30) days after the expiration of the final confidentiality period.

(c) If the logs are not filed in accordance with the provisions of this section, the Commission may refuse to assign an allowable to a well or may set the allowable for such well at zero. If the well is a dry hole and the logs are not filed in accordance with the provisions of this section, the Commission may initiate penalty action pursuant to Title 3 of the Texas Natural Resources Code.

THE UNDERSIGNED DOES HEREBY CERTIFY THAT THIS LOCATION WAS THIS DAY MADE ON THE GROUND BY ME OR UNDER MY SUPERVISION AND THAT THIS PLAT IS A CORRECT REPRESENTATION THEREOF.

DATED THIS 14TH DAY OF JANUARY, 1998

MAX A. SCHUMANN, JR.
RPLS 137

STATE OF TEXAS
REGISTERED
MAX A. SCHUMANN, JR.
137
PROFESSIONAL
LAND SURVEYOR

LOCATION PLAT

WELL NO. 3
WOODY "36" LEASE

1980 FEET FROM THE SOUTH;
1980 FEET FROM THE EAST LINES

SECTION 36, BLOCK 37, T-2-N,
T&P RR CO SURVEY,

MARTIN COUNTY, TEXAS

SCALE: 1" = 1000'

PROJECT: 63575TPC
JOB NO: 63,575-C

SCHUMANN ENGINEERING CO., INC.

REGISTERED PROFESSIONAL LAND SURVEYORS
LICENSED STATE LAND SURVEYORS

REGISTERED PROFESSIONAL CIVIL ENGINEERS
TEXAS and NEW MEXICO

Civil Engineering ~ Land Surveying

408 N. PECOS STREET - P. O. BOX 504
MIDLAND, TEXAS 79702-0504

Office (915) 684-5548
Fax (915) 684-6973

Return each W-1 with plat and applicable fee. Make a check or money order payable to the State Treasurer of Texas.

Address to:
Railroad Commission of Texas
Oil and Gas Division/Drilling Permits
P. O. Box 12967
Austin, Texas 78711-2967

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

Application for Permit to Drill, Deepen, Plug Back, or Re-Enter

File a copy of W-1 and plat in RRC District Office

Read Instructions on Back

Form W-1
Rev. 3/93

EFFECTIVE SEPT. 1, 1991, PERMIT APPLICATION FEE WILL VARY ACCORDING TO THE TOTAL DEPTH SHOWN IN ITEM NO. 9 BELOW.
0-2000' - $100, 2001' - 4000' - $125
4001' - 9000' - $150 9001' or deeper - $200

Purpose of filing (mark appropriate boxes):
[XX] Drill [ ] Deepen (below casing) [ ] Deepen (within casing) [ ] Plug Back [ ] Re-Enter
[ ] Horizontal [ ] Directional Well [ ] Sidetrack [ ] Amended Permit (enter permit no. at right & explain fully in Remarks)

Enter here, if assigned: API No. 42-317-34157 Permit No. 472570 Rule 37 Case No.

1. Operator's Name (exactly as shown on Form P-5, Organization Report): Terrace Petroleum Corp OK
3. RRC Operator No.: 843265
4. RRC District No.: 8
5. County of Well Site: Martin

2. Address (including city and zip code): 310 W. Wall, suite 915, Midland, Tx. 79701
945973

6. Lease Name (32 spaces maximum): Woody "36"
7. RRC Lease/ID No.: NA
8. Well No.: 3
9. Total Depth: 9500

10. Location
• Section 36 Block 37 T-2-N Survey ~~T-2-N~~ T&P RRCO / m Tom Abstract No. A- 911
• This well is to be located 11 miles in a NW direction from Stanton, which is the nearest town in the county of the well site.

11. Distance from proposed location to nearest lease or unit line 1980 ft.
12. Number of contiguous acres in lease, pooled unit, or unitized tract 640 (OUTLINE ON PLAT.)

Granted 1/26/98

13. FIELD NAME (Exactly as shown on RRC proration schedule). List all established and wildcat zones of anticipated completion. Attach additional Form W-1's as needed to list these zones. One zone per line.	14. Completion depth	15. Spacing pattern (ft.)	16. Density pattern (acres)	17. Number of acres in drilling unit for this well. OUTLINE ON PLAT.	18. Is this acreage assigned to another well on this lease & in this reservoir? If so, explain in Remarks.	19. Distance from proposed location to nearest applied for, permitted, or completed well, this lease & reservoir. (ft.)	20. Oil, gas, or other type well (Specify)	21. No. of applied for, permitted, or completed locations (including this one) on lease in this reservoir. OIL	GAS
Spraberry (Trend Area)	7200'-9300'	660'-933'	~~160~~ 80	160	no	2850	oil	3	
85280300		Code C							
		Code A	933						

22. Perpendicular surface location from two nearest designated lines:
• Lease/Unit 1980' FEL & 1980' FSL
• Survey/Section 1980' FEL & 1980' FSL

If a directional well, show also projected bottom-hole location:
• Lease/Unit
• Survey/Section

23. Is this a pooled unit? Yes [ ] (Attach Form P-12 and certified plat.) No [XX]

24. Is Item 17 less than Item 16 (substandard acreage for any field applied for)? Yes [ ] (Attach Form W-1A) No [XX]

25. Is this wellbore subject to Statewide Rule 36 (hydrogen sulfide area)? Yes [ ] No [XX]
If subject to Rule 36, is Form H-9 filed? Yes [ ] No [XX] If not filed, explain in Remarks.

26. Do you have the right to develop the minerals under any right-of-way that crosses, or is contiguous to, this tract? Yes [XX] No [ ]
If not, and if the well requires a Rule 37 or 38 exception, see Instructions for Rule 37.

Remarks
Please expedite, 50.00 is enclosed

I certify that information stated in this application is true and complete, to the best of my knowledge.

Signature: [signature] Name and title of operator's representative: Earl H. Michie, President

Date: 1-22-98 (mo. day yr.) Tel.: 915 684-5112 (Area Code Number)

• RRC Use Only •
200 app
50 ETP
206213 JAN 2398
472570

MAPPING 317-34157 EZO

Instructions to Form W-1

NOTICE: Review Statewide Rule 5, *Application to Drill, Deepen, Reenter, or Plug Back*, paragraph (c) for eligibility of an organization to file a W-1 application.

A. IMPORTANT: Do not begin drilling operations on any location until you receive a drilling permit from the Commission, and the waiting-clause period, if specified in the permit, has ended.

B. **Organization Report.** Before this application can be processed, a **Form P-5,** Organization Report, showing the exact operator name used on Form W-1, must be on file with the Commission in Austin.

C. **Fee.** With each W-1 application or materially amended W-1 application, the applicant must submit the applicable fee to the Commission in Austin. A check or money order must be made payable to the State Treasurer of Texas. This fee is nonrefundable. An application will be considered materially amended if the amendment requires the issuance of a new permit. A materially amended application includes an application in which an additional field or a change in location or field is sought for a previously permitted well. However, if a new application and/or permit becomes necessary because of Commission action, the fee may be waived.

D. **Surface casing.** Before the Commission will assign an allowable to a well, the operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Texas Water Commission. Before drilling a well where Commission rules do not specify surface casing requirements, the operator must obtain a letter from the Department stating the protection depth. Write: TWC, Surface Casing, P. O. Box 13087, Capitol Station, Austin, Texas 78711-3087.

E. **What to file.** File Form W-1, a plat and the applicable fee in the Commission's Austin office. Send a copy of the W-1 and plat to the RRC District Office that serves the county of the proposed well site.

F. **Plat.** Each W-1 must be accompanied by a neat, accurate plat of the lease or unit which clearly shows the following:

For a REGULAR location (where the proposed site conforms to Commission rules)

- Drilling unit boundary for the proposed location and proration unit boundaries for each producing well on this lease or unit which is completed in the same field. Show the acreage contained in each unit. For Commission purposes, lease or unit acreage must be contiguous unless an exception to Statewide Rule 39 is granted. If a Rule 39 exception has previously been granted for the lease or unit, **attach a copy of the RRC approval.**
- Surface location of the proposed site. If the well is to be directionally drilled, show also the projected bottom-hole location.
- Perpendicular distance to nearest intersecting: (a) lease/unit lines and (b) survey/section lines. To avoid confusion, distinguish between the two sets of lines.
- Distance to nearest applied for, permitted, or completed well on this lease or unit in the same field.
- Section, block, or lot.
- Northerly direction.
- Scale. Where the size of the lease or unit will allow, use a scale of 1" = 1,000'. If it is not practical to show the entire lease or unit on the plat, attach a second plat, drawn to a scale no smaller than 1" = 2,000', to show the entire lease or unit in relation to the patent survey. Enter on Form W-1 (Item 12) the acreage for the entire lease or unit.
- On a pooled unit, outline the entire lease or unit as well as the individual tracts listed on Form P-12, Certificate of Pooling Authority.

For a RULE 37 or RULE 38 Exception (where spacing or acreage is less than prescribed by rule)

- A **certified** plat of the entire lease or unit which includes the information described above; and
- A list of the names and addresses of all offsetting operators or unleased mineral interest owners of each tract which is contiguous to the drill site tract. If you do not have the right to develop the minerals under any right-of-way that crosses, or is contiguous to, this tract, and if the well requires a Rule 37 or 38 exception, list also the name and address of the person who has this right. The list should refer to the plat clearly so as to enable the Commission to readily identify each tract and its operator or mineral owner.

  NOTE: If you penetrate a Rule 37 or 38 zone in which you do not propose to complete at this time, you will not necessarily be allowed to use the existence of this wellbore as justification for an exception to complete this wellbore in such zone in the future.

G. **Specific Items.**

Item 13. **Field name.** Use only field designations, including reservoir, approved by the Commission (not proposed field names). Enter "Wildcat" if the reservoir has no RRC field designation and give the total projected depth under "Completion Depth." If the well is to be drilled in a multi-pay area, list all established and wildcat zones for which a completion is proposed. If necessary, attach additional Form W-1's to list these zones.

Item 15. **Spacing pattern.** If the proposed location of the well is in a field with special field rules, enter the appropriate spacing pattern. If there are no field rules in effect, Statewide Rule 37 spacing applies. Rule 37 requires wells to be spaced at least 467 feet from lease lines and 1,200 feet from other wells completed in the same reservoir and on the same lease, with one well to each 40 acres. However, if the proposed location is in RRC Districts 7B, 9, or in McCulloch County (District 7C), and in a field with no special field rules adopted, a district (or county regular) rule will apply, with special spacing and depth controls for wells drilled to 5,000 feet or above.

Item 16. **Density pattern.** If the proposed location is in a field with special field rules, enter the appropriate density pattern. If there are no field rules in effect, Statewide Rules 37 and 38 apply, allowing one well to each 40 acres. However, if the proposed location is in RRC Districts 7B, 9, or in McCulloch County (District 7C), and in a field with no special field rules adopted, the special spacing and depth controls in Rule 38(b) govern density.

FORM W-1 TELEPHONE LOG SHEET

PERMIT #_____

DATE	COMMENTS

RECEIVED
R.R.C. OF TEXAS
JAN 23 1998
OIL & GAS DIVISION
AUSTIN, TEXAS

THE UNDERSIGNED DOES HEREBY CERTIFY THAT THIS LOCATION WAS THIS DAY MADE ON THE GROUND BY ME OR UNDER MY SUPERVISION AND THAT THIS PLAT IS A CORRECT REPRESENTATION THEREOF.

DATED THIS 14TH DAY OF JANUARY, 1998

MAX A. SCHUMANN, JR.
RPLS 137

STATE OF TEXAS
REGISTERED
MAX A. SCHUMANN, JR.
137
PROFESSIONAL
LAND SURVEYOR

LOCATION PLAT

TERRACE PETROLEUM CORP.

WELL NO. 3
WOODY "36" LEASE

1980 FEET FROM THE SOUTH;
1980 FEET FROM THE EAST LINES

SECTION 36, BLOCK 37, T-2-N,
T&P RR CO SURVEY,

MARTIN COUNTY, TEXAS

SCALE: 1" = 1000'

PROJECT: 63575TPC
JOB NO: 63,575-C

SCHUMANN ENGINEERING CO., INC.

REGISTERED PROFESSIONAL LAND SURVEYORS
LICENSED STATE LAND SURVEYORS

REGISTERED PROFESSIONAL CIVIL ENGINEERS
TEXAS and NEW MEXICO

Civil Engineering ~ Land Surveying

408 N. PECOS STREET - P. O. BOX 504
MIDLAND, TEXAS 79702-0504

Office (915) 684-5548
Fax (915) 684-6973

ATHLON ENERGY

March 24, 2014

Ashley Alba
Well Log Compliance Coordinator
Railroad Commission of Texas
1701 North Congress Avenue
Austin, Texas 78711-2967

Ms. Alba,

Athlon respectfully requests a two year extension of the electric log confidentiality period for the well listed below.

Lease Name: Woody "36"
Well Number: 5 & 6
Lease/ID No.: 35729
Field Name: Spraberry (Trend Area)
API No.: 42-317-37180 & 42-317-37272
County: Martin
District No.: 08

Please feel free to contact me with any questions.

Regards,

Ann Burdette Wiley
Regulatory Manager
Athlon Holdings LP

RECEIVED
RRC OF TEXAS
MAR 26 2014
OIL & GAS WELL COMPLIANC
AUSTIN, TX

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

DAVID PORTER, CHAIRMAN
CHRISTI CRADDICK, COMMISSIONER
RYAN SITTON, COMMISSIONER

LORI WROTENBERY
DIRECTOR, O&G DIVISION

1701 N. CONGRESS
CAPITOL STATION - P.O. BOX 12967 AUSTIN, TEXAS 78711-2967

July 1, 2015

ENCANA OIL & GAS(USA) INC.
370 17TH STREET STE 1700
DENVER CO 80202

251691
ACTIVE

DIST: 08 MARTIN API NO. 317-37180
WOODY "36" WELL NO. 5
ENCANA OIL & GAS(USA) INC.
SPRABERRY (TREND AREA)
LEASE NO. 35729

Dear Operator:

The final period of confidentiality for the log on the above property is due to expire at the end of this month. Under the provisions of Statewide Rule 16, the log must be submitted to the Railroad Commission by the expiration date. Failure to do so will result in your allowable being cancelled and/or penalty action pursuant to Title 3 of the Texas Natural Resource Code.

Please complete the bottom portion of this letter and return this letter with the log to the above address to the attention of Well Compliance.

Well Compliance/Logs
PRORATIONUNIT@RRC.STATE.TX.US
(512)463-6975

RECEIVED
RRC OF TEXAS
NOV 18 2015
OIL & GAS WELL COMPLIANCE
AUSTIN, TX

COMPLETE THE FOLLOWING AND RETURN THIS LETTER WITH THE LOG

	from	to	from	to
Log Interval(s):	11250'	5000'		

Company/lease name if different from that above:

- -

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

BARRY T. SMITHERMAN, CHAIRMAN
DAVID PORTER, COMMISSIONER
CHRISTI CRADDICK, COMMISSIONER

GIL BUJANO, P.E.
DIRECTOR, O&G DIVISION
DOUG O.JOHNSON, P.E.
ASST.DIR.,TECHNICAL PERMITTING

1701 N. CONGRESS
CAPITOL STATION - P.O. BOX 12967 AUSTIN, TEXAS 78711-2967

December 1, 2013

ATHLON ENERGY OPERATING LLC
420 THROCKMORTON ST SUITE 1200
FORT WORTH TX 76102

036047
ACTIVE

RECEIVED
RRC OF TEXAS
NOV 21 2013
OIL & GAS WELL COMPLIANCE
AUSTIN, TX

DIST: 08 MARTIN API NO. 317-38169
WOODY "36" WELL NO. 7
ATHLON ENERGY OPERATING LLC
SPRABERRY (TREND AREA)
LEASE NO. 35729

Dear Operator:

Our records indicate that you requested confidentiality for the basic electric log on the above property. The period of confidentiality is due to expire at the end of this month.

In accordance with Statewide Rule 16, the basic electric log or a request for an extension of two years additional confidentiality must be submitted by the expiration date. Failure to do so will result in your allowable being cancelled and/or penalty action pursuant to Title 3 of the Texas Natural Resources Code.

Please complete the bottom portion and return this letter with the log or as your request for an extension of confidentiality to the above address to the attention of Central Records.

Ashley Alba
Well Compliance/Logs
PRORATIONUNIT@RRC.STATE.TX.US
(512)463-6456

Log Interval(s): from _____ to _____ from _____ to _____

CHECK AS APPROPRIATE

✓ Two-Year Extension of Confidentiality Requested

__ Basic Electric Log Attached

Company/Lease name on log if different from that above:

_____.

* General 1st Renewal Notice (On-shore/Offshore)

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

DAVID PORTER, CHAIRMAN
CHRISTI CRADDICK, COMMISSIONER
RYAN SITTON, COMMISSIONER

LORI WROTENBERY
DIRECTOR, O&G DIVISION

1701 N. CONGRESS
CAPITOL STATION - P.O. BOX 12967 AUSTIN, TEXAS 78711-2967

December 1, 2015

ENCANA OIL & GAS(USA) INC.
370 17TH STREET STE 1700
DENVER CO 80202

251691
ACTIVE

RECEIVED
RRC OF TEXAS
DEC 18 2015
OIL & GAS WELL COMPLIANCE
AUSTIN, TX

DIST: 08 MARTIN API NO. 317-38169
WOODY "36" WELL NO. 7
ENCANA OIL & GAS(USA) INC.
SPRABERRY (TREND AREA)
LEASE NO. 35729

Dear Operator:

The final period of confidentiality for the log on the above property is due to expire at the end of this month. Under the provisions of Statewide Rule 16, the log must be submitted to the Railroad Commission by the expiration date. Failure to do so will result in your allowable being cancelled and/or penalty action pursuant to Title 3 of the Texas Natural Resource Code.

Please complete the bottom portion of this letter and return this letter with the log to the above address to the attention of Well Compliance.

Well Compliance/Logs
PRORATIONUNIT@RRC.TEXAS.GOV
(512)463-6975

COMPLETE THE FOLLOWING AND RETURN THIS LETTER WITH THE LOG

	from	to	from	to
Log Interval(s):	11295'	5500'		

Company/lease name if different from that above:

- -

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

BARRY T. SMITHERMAN, CHAIRMAN
DAVID PORTER, COMMISSIONER
CHRISTI CRADDICK, COMMISSIONER

GIL BUJANO, P.E.
DIRECTOR, O&G DIVISION
DOUG O.JOHNSON, P.E.
ASST.DIR.,TECHNICAL PERMITTING

1701 N. CONGRESS
CAPITOL STATION - P.O. BOX 12967 AUSTIN, TEXAS 78711-2967

April 1, 2014

ATHLON HOLDINGS LP
420 THROCKMORTON ST STE 1200
FORT WORTH TX 76102

036067
ACTIVE

RECEIVED
RRC OF TEXAS
MAR 24 2014
OIL & GAS WELL COMPLIANCE
AUSTIN, TX

DIST: 08 MARTIN
WOODY "36"
ATHLON HOLDINGS LP
SPRABERRY (TREND AREA)
LEASE NO. 35729

API NO. 317-38603
WELL NO. 8

Dear Operator:

Our records indicate that you requested confidentiality for the basic electric log on the above property. The period of confidentiality is due to expire at the end of this month.

In accordance with Statewide Rule 16, the basic electric log or a request for an extension of two years additional confidentiality must be submitted by the expiration date. Failure to do so will result in your allowable being cancelled and/or penalty action pursuant to Title 3 of the Texas Natural Resources Code.

Please complete the bottom portion and return this letter with the log or as your request for an extension of confidentiality to the above address to the attention of Central Records.

Ashley Alba
Well Compliance/Logs
PRORATIONUNIT@RRC.STATE.TX.US
(512)463-6456

Log Interval(s): from _____ to _____ from _____ to _____

CHECK AS APPROPRIATE

✓ Two-Year Extension of Confidentiality Requested

__ Basic Electric Log Attached

Company/Lease name on log if different from that above:

_____.

* General 1st Renewal Notice (On-shore/Offshore)

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

DAVID PORTER, CHAIRMAN
CHRISTI CRADDICK, COMMISSIONER
RYAN SITTON, COMMISSIONER

LORI WROTENBERY
DIRECTOR, O&G DIVISION

1701 N. CONGRESS
CAPITOL STATION - P.O. BOX 12967 AUSTIN, TEXAS 78711-2967

April 1, 2016

ENCANA OIL & GAS(USA) INC.
370 17TH STREET STE 1700
DENVER CO 80202

251691

DIST: 08 MARTIN API NO. 317-38603
WOODY "36" WELL NO. 8
ENCANA OIL & GAS(USA) INC.
SPRABERRY (TREND AREA)
LEASE NO. 35729

Dear Operator:

The final period of confidentiality for the log on the above property is due to expire at the end of this month. Under the provisions of Statewide Rule 16, the log must be submitted to the Railroad Commission by the expiration date. Failure to do so will result in your allowable being cancelled and/or penalty action pursuant to Title 3 of the Texas Natural Resource Code.

Please complete the bottom portion of this letter and return this letter with the log to the above address to the attention of Well Compliance.

Well Compliance/Logs
PRORATIONUNIT@RRC.TEXAS.GOV
(512)463-6975

RECEIVED
RRC OF TEXAS
APR 04 2016
OIL & GAS WELL COMPLIANCE

COMPLETE THE FOLLOWING AND RETURN THIS LETTER WITH THE LOG

	from	to	from	to
Log Interval(s):	11,026'	5500'		

Company/lease name if different from that above:

- -

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

BARRY T. SMITHERMAN, CHAIRMAN
DAVID PORTER, COMMISSIONER
CHRISTI CRADDICK, COMMISSIONER

GIL BUJANO, P.E.
DIRECTOR, O&G DIVISION

1701 N. CONGRESS
CAPITOL STATION - P.O. BOX 12967 AUSTIN, TEXAS 78711-2967

August 1, 2014

ATHLON HOLDINGS LP
420 THROCKMORTON ST STE 1200
FORT WORTH TX 76102

036067
ACTIVE

DIST: 08 MARTIN API NO. 317-38760
WOODY "36" WELL NO. 9
ATHLON HOLDINGS LP
SPRABERRY (TREND AREA)
LEASE NO. 35729

Dear Operator:

Our records indicate that you requested confidentiality for the basic electric log on the above property. The period of confidentiality is due to expire at the end of this month.

In accordance with Statewide Rule 16, the basic electric log or a request for an extension of two years additional confidentiality must be submitted by the expiration date. Failure to do so will result in your allowable being cancelled and/or penalty action pursuant to Title 3 of the Texas Natural Resources Code.

Please complete the bottom portion and return this letter with the log or as your request for an extension of confidentiality to the above address to the attention of Central Records.

RECEIVED
RRC OF TEXAS
JUL 21 2014
OIL & GAS WELL COMPLIANCE
AUSTIN, TX

Ashley Alba
Well Compliance/Logs
PRORATIONUNIT@RRC.STATE.TX.US
(512)463-6456

Log Interval(s): from _____ to _____ from _____ to _____

CHECK AS APPROPRIATE

✓ Two-Year Extension of Confidentiality Requested

__ Basic Electric Log Attached

Company/Lease name on log if different from that above:

_____.

* General 1st Renewal Notice (On-shore/Offshore)

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

DAVID PORTER, CHAIRMAN
CHRISTI CRADDICK, COMMISSIONER
RYAN SITTON, COMMISSIONER

LORI WROTENBERY
DIRECTOR, O&G DIVISION

1701 N. CONGRESS
CAPITOL STATION - P.O. BOX 12967 AUSTIN, TEXAS 78711-2967

November 1, 2015

ENCANA OIL & GAS(USA) INC.
370 17TH STREET STE 1700
DENVER CO 80202

251691
ACTIVE

DIST: 08 MARTIN API NO. 317-37179
WOODY "36" WELL NO. 4
ENCANA OIL & GAS(USA) INC.
SPRABERRY (TREND AREA)
LEASE NO. 35729

Dear Operator:

The final period of confidentiality for the log on the above property is due to expire at the end of this month. Under the provisions of Statewide Rule 16, the log must be submitted to the Railroad Commission by the expiration date. Failure to do so will result in your allowable being cancelled and/or penalty action pursuant to Title 3 of the Texas Natural Resource Code.

Please complete the bottom portion of this letter and return this letter with the log to the above address to the attention of Well Compliance.

Well Compliance/Logs
PRORATIONUNIT@RRC.TEXAS.GOV
(512)463-6975

COMPLETE THE FOLLOWING AND RETURN THIS LETTER WITH THE LOG

	from	to	from	to
Log Interval(s):	11,486'	5500'		

Company/lease name if different from that above:

RECEIVED
RRC OF TEXAS
NOV 06 2015
OIL & GAS WELL COMPLIANCE
AUSTIN, TX

Compensated Neutron Gamma Ray CCL Log

Company Athlon Energy Operating LLC
Well Woody 36-4
Field Spraberry (Trend Area)
County Martin
State Texas

Company Athlon Energy Operating LLC
Well Woody 36-4
Field Spraberry (Trend Area)
County Martin State Texas

Location: API #: 42-317-37179
660' FSL & 1980' FWL
Section 36, Block 37 T-2-N
T&P RR CO Survey
SEC TWP RGE

Other Services: RBL

Permanent Datum	Ground Level	Elevation	2795'
Log Measured From	KB 15' APD		
Drilling Measured From	KB		

Elevation
K.B. 2810'
D.F. 2809'
G.L. 2795'

Date	11-28-2012		
Run Number	One		
Depth Driller	11508'		
Depth Logger	11488'		
Bottom Logged Interval	11486'		
Top Log Interval	5500'		
Open Hole Size	7 7/8"		
Type Fluid	Water		
Density / Viscosity	-		
Max. Recorded Temp.	-		
Estimated Cement Top	4000'		
Time Well Ready	On Arrival		
Time Logger on Bottom	See Log		
Equipment Number	WL-810		
Location	Midland, Texas		
Recorded By	Gene Osborn		
Witnessed By	Daryl Witt		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
One	17 1/2"	Surface	364'				
Two	11"	364'	5452'				
Three	7 7/8"	5452'	11508'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	13 3/8"	48#	Surface	364'
Prot. String	8 5/8"	32#	Surface	5452'
Production String	5 1/2"	17#	Surface	11508'
Liner			Marker Joint	7464'- to 7486'
			Marker Joint	10015' to 10037'

<< Fold Here >>

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

********** Thank You For Using Capitan Corporation **********
This is the primary log

Main Pass 2" =100'

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

DAVID PORTER, CHAIRMAN
CHRISTI CRADDICK, COMMISSIONER
RYAN SITTON, COMMISSIONER

LORI WROTENBERY
DIRECTOR, O&G DIVISION

1701 N. CONGRESS
CAPITOL STATION - P.O. BOX 12967 AUSTIN, TEXAS 78711-2967

July 1, 2015

ENCANA OIL & GAS(USA) INC.
370 17TH STREET STE 1700
DENVER CO 80202

251691
ACTIVE

RECEIVED
RRC OF TEXAS
NOV 18 2015
OIL & GAS WELL COMPLIANCE
AUSTIN, TX

DIST: 08 MARTIN API NO. 317-37272
WOODY "36" WELL NO. 6
ENCANA OIL & GAS(USA) INC.
SPRABERRY (TREND AREA)
LEASE NO. 35729

Dear Operator:

The final period of confidentiality for the log on the above property is due to expire at the end of this month. Under the provisions of Statewide Rule 16, the log must be submitted to the Railroad Commission by the expiration date. Failure to do so will result in your allowable being cancelled and/or penalty action pursuant to Title 3 of the Texas Natural Resource Code.

Please complete the bottom portion of this letter and return this letter with the log to the above address to the attention of Well Compliance.

Well Compliance/Logs
PRORATIONUNIT@RRC.STATE.TX.US
(512)463-6975

COMPLETE THE FOLLOWING AND RETURN THIS LETTER WITH THE LOG

	from	to	from	to
Log Interval(s):	11,212'	5500'		

Company/lease name if different from that above:

- -