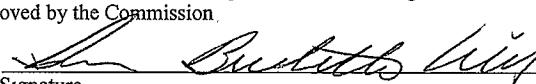


**CERTIFICATE OF COMPLIANCE
 AND TRANSPORTATION AUTHORITY**

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 Athlon Energy Operating LLC		4. Operator P-5 no. 036047	5. Oil Lse/Gas ID no. 35729	6. County Martin
8. Operator address including city, state, and zip code 420 Throckmorton St Ste. 1200 Fort Worth, Tx. 76102		9. Well no(s) (see instruction E) All		
		10. Classification <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> 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: <input type="checkbox"/> operator <input checked="" type="checkbox"/> oil or condensate gatherer <input type="checkbox"/> gas gatherer <input type="checkbox"/> gas purchaser <input type="checkbox"/> gas purchaser system code <input type="checkbox"/> field name from: _____ <input type="checkbox"/> lease name from: _____				
OR b. New RRC Number for: <input type="checkbox"/> oil lease <input type="checkbox"/> gas well Due to: <input type="checkbox"/> new completion or recompletion <input type="checkbox"/> reclass oil to gas <input type="checkbox"/> reclass gas to oil <input type="checkbox"/> other well (specify) _____ <input type="checkbox"/> 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
RECEIVED RRC OF TEXAS				
DEC 11 2013				
O&G 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	RRC USE ONLY Reviewer's initials: DB Approval date: 12/10/13
Occidental Energy Trans. LLC			100	
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)		<input type="checkbox"/> Authorized Employee of previous operator <input type="checkbox"/> 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		<input checked="" type="checkbox"/> Authorized Employee of current operator <input type="checkbox"/> Authorized agent of current operator (see instruction G)		
Title		Date		Phone with area code
E-mail Address (optional)		12/4/13		(817) 984-8200
				Phone with area code

**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 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 <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> 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)					
<p>a. Change of: <input type="checkbox"/> operator <input checked="" type="checkbox"/> oil or condensate gatherer <input type="checkbox"/> gas gatherer <input type="checkbox"/> gas purchaser <input type="checkbox"/> gas purchaser system code</p> <p><input type="checkbox"/> field name from: _____ <input type="checkbox"/> lease name from: _____</p> <p>OR</p> <p>b. New RRC Number for: <input type="checkbox"/> oil lease <input type="checkbox"/> gas well <input type="checkbox"/> new completion or recompletion <input type="checkbox"/> reclass oil to gas <input type="checkbox"/> reclass gas to oil <input type="checkbox"/> other well (specify) _____ <input type="checkbox"/> consolidation, unitization, or subdivision (oil lease only)</p>					
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)	RECEIVED RRC OF TEXAS SEP 13 2012 OIL & GAS WELL COMPLIANCE AUSTIN, TX	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	RRC USE ONLY	
Enterprise Trucking Crude Oil LLC			50	<p>Reviewer's initials: <i>TC</i> Approval date: <i>10-1-12</i></p>	
Occidental Energy Trans. LLC (617542)			50		
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)			<input type="checkbox"/> Authorized Employee of previous operator <input type="checkbox"/> 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			<i>Tyna Carter</i>		
Name (print)			Signature		
Field Analyst			<input checked="" type="checkbox"/> Authorized Employee of current operator <input type="checkbox"/> Authorized agent of current operator (see instruction G)		
Title			Date	Phone with area code	
tcarter@athlonenergy.com			9/12/2012	432-561-9090	
E-mail Address (optional)			Phone with area code		

**CERTIFICATE OF COMPLIANCE
AND TRANSPORTATION AUTHORITY**

P-4

5/02

EAG0502

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 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 <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> 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 Due to: new completion or recompletion reclass oil to gas reclass gas to oil
 other well (specify) _____ 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	RECEIVED RRC OF TEXAS	0001	100
			DEC 30 2009		
			O&G 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	RRC USE ONLY
TEPPCO CRUDE OIL LLC	100		Reviewer's initials: <u>SL</u>
			Approval date: <u>1-6-10</u>

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

Name (print)

Vice President - Acquisitions & Divestitures

Title

Scott Laverde
Signature

Authorized Employee
of previous operator

12/21/09

Authorized agent of previous
operator (see instruction G)

303-812-1637

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.

Terri Stathem

Name (print)

Regulatory Supervisor

Title

Tstathem@sdrge.com

E-mail Address (optional)

Terri Stathem
Signature

Authorized Employee
of current operator

12-21-09

Authorized agent of current
operator (see instruction G)

405-429-5682

Date

Phone with area code

RECEIVED
RRC OF TEXAS

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division
PO Box 12967
Austin TX
78711-2967
www.rrc.texas.gov

CERTIFICATE OF COMPLIANCE
MAY 25 2018 AND TRANSPORTATION AUTHORITY

P-4

5/02—WWW-1

OIL & GAS WELL COMPLIANCE READ INSTRUCTIONS ON BACK
AUSTIN, TX

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 <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> 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: <input type="checkbox"/> operator <input checked="" type="checkbox"/> oil or condensate gatherer <input type="checkbox"/> gas gatherer <input type="checkbox"/> gas purchaser <input type="checkbox"/> gas purchaser system code <input type="checkbox"/> field name from: _____ <input type="checkbox"/> lease name from: _____				
b. New RRC Number for: <input type="checkbox"/> oil lease <input type="checkbox"/> gas well <input type="checkbox"/> other well (specify) _____	Due to: <input type="checkbox"/> new completion or recompletion <input type="checkbox"/> reclass oil to gas <input type="checkbox"/> reclass gas to oil <input type="checkbox"/> 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	RRC USE ONLY Reviewer's initials: <i>S/30/18</i>
BML, INC. B.	100	

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 _____ Signature _____
Name (print) _____

Regulatory Analyst _____ Authorized Employee
of current operator _____

Title _____ Date 05/22/18 _____ Phone 7208763483 _____
Allison.schieber@encana.com _____
E-mail Address (optional) _____ Phone with area code _____

**CERTIFICATE OF COMPLIANCE
AND TRANSPORTATION AUTHORITY**

READ INSTRUCTIONS ON BACK

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 Forest Oil Corp.		4. Operator P-5 no. 275740	5. Oil Lse/Gas ID no. 35729	6. County Midland	7. RRC district 8
8. Operator address including city, state, and zip code 1600 Broadway Suite 2200 Denver, CO 80202		9. Well no(s) (see instruction E) 10. Classification <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> 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: <input checked="" type="checkbox"/> operator <input type="checkbox"/> oil or condensate gatherer <input type="checkbox"/> gas gatherer <input type="checkbox"/> gas purchaser <input type="checkbox"/> gas purchaser system code <input type="checkbox"/> field name from: _____ <input type="checkbox"/> lease name from: _____					
----- OR -----					
b. New RRC Number for: <input type="checkbox"/> oil lease <input type="checkbox"/> gas well <input type="checkbox"/> other well (specify) _____		Due to: <input type="checkbox"/> new completion or recompletion <input type="checkbox"/> reclass oil to gas <input type="checkbox"/> reclass gas to oil <input type="checkbox"/> 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	RRC USE ONLY	
TEPPCO Crude Oil, L.P.			100%	Reviewer's initials: <u>RE</u>	Approval date: <u>8-15-03</u>
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 Richard E. Foppiano			Signature <u>Richard E. Foppiano</u>		
Name (print) Regulatory Team Leader			<input checked="" type="checkbox"/> Authorized Employee of previous operator <input type="checkbox"/> Authorized agent of previous operator (see instruction G)		
Title			Date <u>7/29/03</u>	Phone with area code (281) 552-1303	
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.					
Name (print) Peggy J. Goss			Signature <u>Peggy J. Goss</u>		
Name (print) Regulatory Specialist			<input checked="" type="checkbox"/> Authorized Employee of current operator <input type="checkbox"/> Authorized agent of current operator (see instruction G)		
Title pjgoss@forestoil.com			Date <u>08/12/03</u>	Phone with area code 303-812-1655	
E-mail Address (optional)					

**CERTIFICATE OF COMPLIANCE
AND TRANSPORTATION AUTHORITY**

P-4

5/02

EAG0502

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 OXY USA WTP LP	4. Operator P-5 no. 630555	5. Oil Lse/Gas ID no. 35729	6. County Midland	7. RRC district 8
8. Operator address including city, state, and zip code P.O. Box 4294 Houston, TX 77210-4294	9. Well no(s) (see instruction E) 			
	10. Classification <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> 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: 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 Due to: new completion or recompletion reclass oil to gas reclass gas to oil
 other well (specify) _____ 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%	
		RECEIVED RRC OF TEXAS			
		JUN 11			
		AUSTIN TX O&G			

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	Reviewer's initials:	RRC USE ONLY
TEPPCO Crude Oil, L.P.	100%		

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

Name (print)

Regulatory Compliance Analyst

Title

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)

Regulatory Team Leader

Title

Rick.Foppiano@oxy.com

E-mail Address (optional)

Signature

Amy T. Spang

June 4, 2003

Date

(281) 366-7655

Phone with area code

Signature

Richard E. Foppiano

June 4, 2003

Date

(281) 552-1303

Phone with area code

READ INSTRUCTIONS ON BACK

1. Field name exactly as shown on proration schedule Spraberry (Trend Area)			2. Lease name Woody #36 <i>25729</i>					
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 <i>8</i>				
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	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	Purchaser's RRC Assigned System Code	Purchaser's Market	Percent of Take	Full-well Stream
Gatherer	purchaser	nominator	G/P/N	Code	Int'l state	Intrastate		
13. NAME OF OIL OR CONDENSATE GATHERER List highest volume gatherer first <i>AUSTIN, TEXAS</i>			Percent of Take	RRC USE ONLY Gath. code	14. PURPOSE OF FILING. Remarks: Venting csghd gas			
Mesa Pipe Line Co.			100%		<p>a. <input checked="" type="checkbox"/> New oil lease <input type="checkbox"/> New gas well</p> <p><input type="checkbox"/> Reclassification (oil to gas or gas to oil)</p> <p><input type="checkbox"/> Consolidation, unitization or subdivision</p> <p>b. CHANGE <input type="checkbox"/> Gatherer <input type="checkbox"/> Nominator</p> <p><input type="checkbox"/> Purchaser <input type="checkbox"/> Purchaser's system code</p>			
Approved (initials) _____ Oper. No. _____ Date _____ Field No. _____ Remarks: _____			<p>c. CHANGE FROM</p> <p><input checked="" type="checkbox"/> Operator Terrace Petroleum Corporation (on W-1)</p> <p><input type="checkbox"/> Field Name _____</p> <p><input type="checkbox"/> Lease Name _____</p>					
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 <i>Elizabeth A. Casbeer</i> 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			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		Purchaser's RRC Assigned System Code		Pur- chaser's Market		Percent of Take	Full-well Stream
Gatherer	Purchaser	Nominator	G/P/N Code				Int. State	Intra State	Int. State	Intra State				
												100%		

Example

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

READ INSTRUCTIONS ON BACK

1. Field name exactly as shown on proration schedule Spraberry (Trend Area)	2. Lease name Woody "36"		
3. Operator name exactly as shown on P-5 Organization Report ARCO Permian	4. Operator P-5 no. 029347	5. Oil lease no. 35729	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 August 10, 1998			

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

Type Operation	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	Purchaser's RRC Assigned System Code	Purchaser's Market	Percent of Take	Full-well stream
Gatherer	purchaser	nominator		G/F/N Code		Int'l state	Intra-state	
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	14. PURPOSE OF FILING. Remarks: Adding csghd gas gatherer Correcting/Changing oil gatherer		
Duke Energy Transport & Trading Co.	100%	Gath. code		
			a. <input checked="" type="checkbox"/> New oil lease <input type="checkbox"/> New gas well	
			<input type="checkbox"/> Reclassification (oil to gas or gas to oil)	
			<input type="checkbox"/> Consolidation, unitization or subdivision	
			b. CHANGE <input checked="" type="checkbox"/> Gatherer <input type="checkbox"/> Nominator	
			<input type="checkbox"/> Purchaser <input type="checkbox"/> Purchaser's system code	

RRC USE ONLY		c. CHANGE FROM
Approved (initials) <i>EDG</i>	Oper. No.	<input type="checkbox"/> Operator
Date <i>8/10/98</i>	Field No.	<input type="checkbox"/> Field Name
		<input type="checkbox"/> Lease Name
Remarks:		

15. OPERATOR CHANGE. Being the PREVIOUS OPERATOR, I certify that operating responsibility for wells located on the subject lease has been transferred entirely 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 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 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.

Additional Listings for Gas Well Gas and Casinghead Gas

Type Operation			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		Purchaser's RRC Assigned System Code	Pur- chaser's Market	Percent of Take	Full-well stream
Gatherer	Purchaser	Nominator		G/P/M Code		Inter- state	Intra- state				
									100%		

Example

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

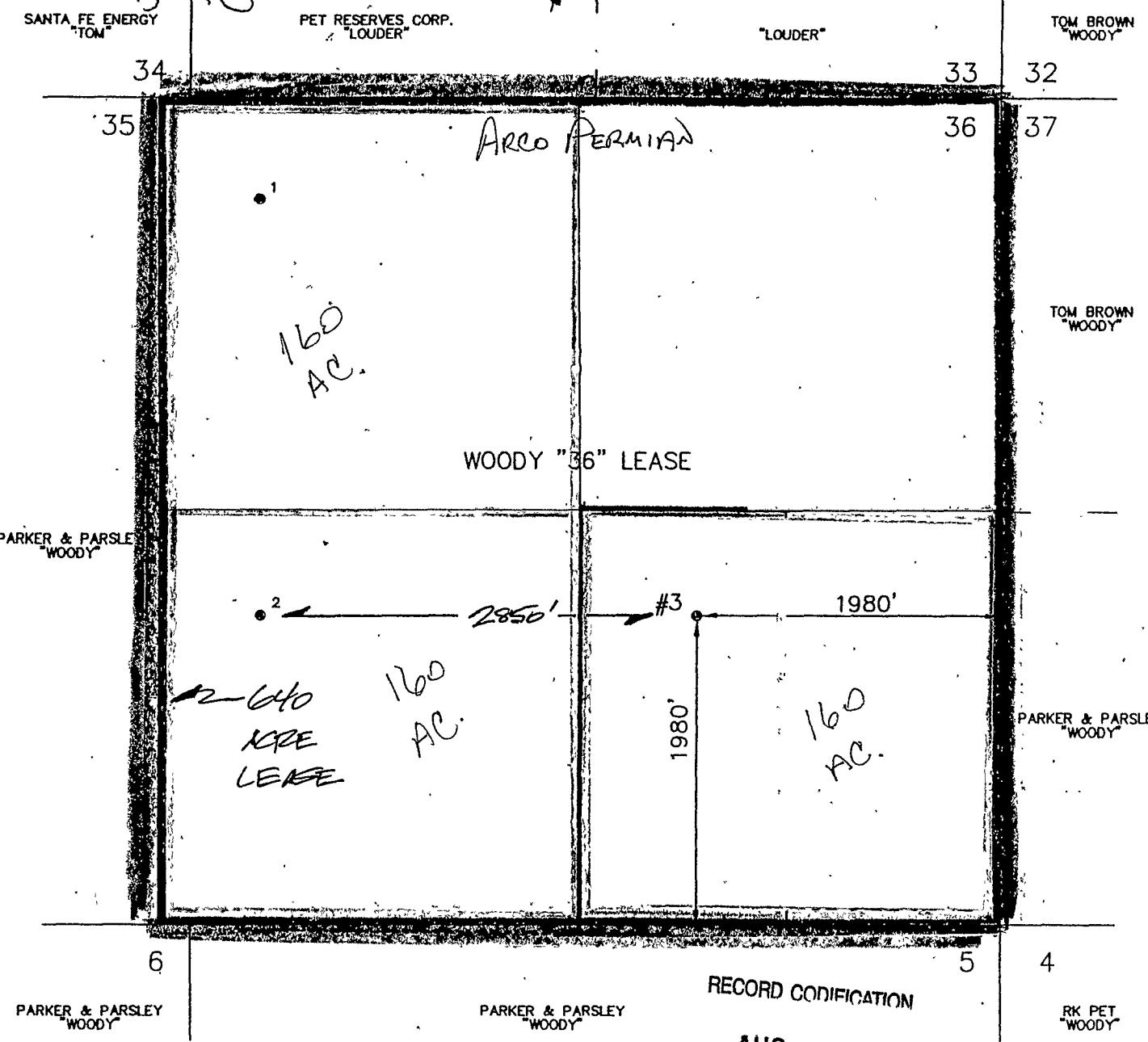
DETAILED INSTRUCTIONS

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.

P Spraberry (Trend Area)
08

35729

12.3



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 Schumann Jr.
MAX A. SCHUMANN, JR.
RPLS 137



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

SCALE: 1" = 1000'

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

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

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

Depth Plugging Record

300RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

FORM W-3

Rev. 12/92

PFR0598

13(p) Excepted Filed

123 1/4350

Surface Elevation

34158

D.V.

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

APINO.
(if available)

42-317-3146

1. RRC District

8

4. RRC Lease or Id.
Number

35729

2. FIELD NAME (as per RRC Records)

SPRAYBERRY(TREND AREA)

6. OPERATOR

FOREST OIL CORP.

7. ADDRESS

1600 BROADWAY, STE. 2200 DENVER, CO 80202

8. Location of Well, Relative to Nearest Lease Boundaries
of Lease on which this Well is Located160 Feet From N Line and 660 Feet FromE Line of the Woolsey 36 Lease

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

5. Well Number

1

9a. SECTION, BLOCK, AND SURVEY
SEC. 36; BLK 37; T&P RR CO9b. Distance and Direction from Nearest Town in this
County

10. County

MARTIN

16. Type Well
Oil, Gas, Dry

1 Total Depth

1 9500'

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

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 #

12. Permit Number

472574

13. Date Drilling
Commenced

3-8-98

14. Date Drilling
Completed

3-20-98

15. Date Well Plugged

2/10/04

CEMENTING TO PLUG AND ABANDON DATA:

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

*19. Commencing Date

20. Size of Hole or Pipe in which Plug Placed (inches)

21. Depth to Bottom of Tubing or Drill Pipe (ft.) Set 4 1/2 CIBSP

22. Sacks of Cement Used (inch plg)

23. Slurry Volume Pumped *cu. ft.)

24. Calculated Top of Plug (ft.)

25 Measured Top of Plug (if plugged) (ft.)

*26. Slurry Wt. #/C I

*27. Type Cement

28. CASING AND TUBING RECORD AFTER PLUGGING

29. 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.)

SIZE WT.#/FT. PUT IN WELL (ft.) LEFT IN WELL (ft.) HOLE SIZE(in.)

12-3/4" 350' 350' 14 3/48-5/8" 4135' 3717' 11"4-1/2" 9500' 6849' 7 7/8

30. LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS

FROM 7750' TO 7770'

FROM 8080' TO 8100'

FROM 8590' TO 8610'

FROM 9150' TO 9170'

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.

* 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 in 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 COMPANYLeroy Bonham /
SIGNATURE: REPRESENTATIVE OF RAILROAD COMMISSION

Prod. Foreman 2-19-04

TITLE

DATE

Phone 432 333-5252
A/C NUMBER

HAPPING

169

31. Was Well filled with Mud-Laden Fluid, according to the regulations of the Railroad Commission		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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,				
<input type="checkbox"/> Log Attached		<input type="checkbox"/> Log released to _____	Date _____	
Type Logs: <input type="checkbox"/> Driller's <input type="checkbox"/> Electric <input type="checkbox"/> Radioactivity <input type="checkbox"/> 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 _____

18 at 9407

T.N.R.C.C. LETTER DATED 1-26-98Depth 300RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

Form W-2

Rev. 4/1/83

483-046

13 (Type or print only)

Surface Casing 350 ft.

DEV. @

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

API No. 42- 317-34158

7. RRC District No.

8

8. RRC Lease No.

35729

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

5. If Operator has changed within the last 60 days, name the former operator

TERRACE PETROLEUM CORPORATION

Retest

6a. Location (Section, Block, and Survey)

Reclass

36 37, T2N T & P RR CO.

6b. Distance and direction to nearest town in this county.

11 MILES NW FROM STANTON

Well record only
(explain in Remarks)

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

14. Completion or recompletion date

CPNL

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 <u>7/1/98</u>	16. No. of hours tested <u>24</u>	17. Production method (Flowing, Gas Lift, Jetting, Pumping - Size & Type of pump) <u>PUMPING</u>		18. Choke size
19. Production during Test Period	Oil - BBLS <u>26</u>	Gas - MCF <u>21</u>	Water - BBLS <u>171</u>	Gas - Oil Ratio <u>808</u>
20. Calculated 24- Hour Rate	Oil - BBLS <u> </u>	Gas - MCF <u> </u>	Water - BBLS <u> </u>	Flowing Tubing Pressure PSI <u> </u>

21. Was swab used during this test?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	22. Oil produced prior to test (New & Reworked wells)	23.14 Injection Gas-Oil Ratio <u>4.4</u>	Return to Records
-------------------------------------	---	---	---	----------------------

REMARKS: *permitted under Terrace Petroleum Corporation*AUG 19 1998
LOG REC'D
RECORDSAUG 19 1998
LOG REC'D
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 CONFIRMATION

AUG 19 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.

JULY 1998
REC'D OF TEXAS

Signature: Well Tester

Name of Company

RRC Representative

8 1998

MIDLAND, O.G.
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

915-688-5532

7 / 6 / 98

REG. COMPLIANCE

Title of Person

Laurie Cherry

Signature

Telephone: Area Code Number

Date: mo. day year

MAPPING

113

SECTION II

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

24. Type of Completion New Well <input checked="" type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input type="checkbox"/>					25. Permit to Drill, DATE 1/27/98 PERMIT NO. 472574 Plug Back or, Rule 37 VALID PERMIT CASE NO. Deeper PRODUCTION ALLOCATION Exception S.M.E.					
26. Notice of Intention to Drill this well was filed in Name of TERRACE PETROLEUM CORPORATION					Water injection Permit JUL 21 1998 PERMIT NO.					
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			Salt Water Disposal PERMIT NO. Permit Other PERMIT NO.					
29. Date Plug Back, Deepening, Workover or Drilling Operations: 3/7/98		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 EAST	NORTH Line and WOODY #36'	660 Feet from Lease				
32. Elevation (DF, RKB, RT, GR, ETC.) 2790'GR			33. Was directional survey made other than inclination (W-12)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
34. Top of Pay 7750	35. Total Depth 9500	36. P. B. Depth 9407	37. Surface Casing Determined by: Field Rules <input type="checkbox"/>	Recommendation of T.D.W.R. Railroad Commission (Special) <input type="checkbox"/>		X	Dt. of Letter 1/26/98 Dt. of Letter			
38. Is well multiple completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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: <input type="checkbox"/> X	Rotary Tools	Cable Tools	
41. Name of Drilling Contractor J.S.M. 76, LTD.							X	Yes	No	42. Is Cementing Affidavit Attached?
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	From	To
2 3/8	8409	NONE	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)

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

1. FIELD NAME (as per RRC Records or Wildcat) <i>SPRABERRY (GREEN AREA)</i>	2. LEASE NAME <i>Woody "36"</i>	6. RRC District <i>8</i>
3. OPERATOR <i>ARCO PERMIAN</i>		7. RRC Lease Number, (Oil completions only) <i>35729</i>
4. ADDRESS <i>P.O. Box 1610</i>	MIDLAND, TEXAS 79701	8. Well Number <i>#1</i>
5. LOCATION (Section, Block, and Survey) <i>SEC. 36, BLK 37, TZN, TYP RR.</i>		9. RRC Identification Number (Gas completions only)
		10. County <i>MARTIN</i>

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? 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 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		OPERATOR CERTIFICATION	
<p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of the inclination data and facts placed on both sides of this form and that such data and facts are true, correct, and complete to the best of my knowledge. This certification covers all data as indicated by asterisks (*) by the item numbers on this form.</p> <p><i>Lanny Gortney</i> <i>JUL 8 1998</i> <i>RECEIVED R.C. OF TEXAS</i> <i>Laurie Cherry</i> Signature of Authorized Representative Name of Person and Title (type or print) Signature of Authorized Representative Name of Person and Title (type or print) LANNY GORTNEY, VICE PRESIDENT LAURIE CHERRY REG/COMP. ASST. Name of Person and Title (type or print) Name of Person and Title (type or print) J.S.M. DRILLING COMPANY MIDLAND, O.G. ARCO PERMIAN Name of Company Operator Telephone: 915 530-0070 Area Code 915 686-5532 Date: 7-10-98 Area Code </p>			

Railroad Commission Use Only:

Checked By: *Regina Shinland* Title: *Admin Tech* Date: *7-10-98*
Approved By: *Regina Shinland*

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

RECORD OF INCLINATION (Continued from reverse side)

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) <i>ARCO PERUAN</i>	2. RRC Operator No. <i>029341</i>	3. RRC District No. <i>8</i>	4. County of Well Site <i>MARTIN</i>
5. Field Name (Wildcat or exactly as shown on RRC records) <i>SPRABERRY (TREND AREA)</i>	6. API No. <i>42- 317-34158</i>	7. Drilling Permit No. <i>472574</i>	
8. Lease Name <i>WOODY 1136</i>	9. Rule 37 Case No.	10. Oil Lease/Gas ID No. <i>35729</i>	11. Well No. <i>1</i>

CASING CEMENTING DATA:	SURFACE CASING	INTER- MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
			Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date <i>3/13/83</i>						
13. •Drilled hole size <i>14 3/4</i>						
•Est. % wash or hole enlargement						
14. Size of casing (in. O.D.) <i>12 3/4</i>						
15. Top of liner (ft.)						
16. Setting depth (ft.) <i>350</i>						
17. Number of centralizers used <i>3</i>						
18. Hrs. Waiting on cement before drill-out <i>12</i>						
19. API cement used: No. of sacks 1st Story Class Additives 2nd Story No. of sacks Class Additives 3rd Story No. of sacks Class Additives 4th Story Volume (cu. ft.) Height (ft.) Total Volume (cu. ft.) Height (ft.) Total Volume (cu. ft.) Height (ft.) Total Volume (cu. ft.) Height (ft.) Total Was cement circulated to ground surface (or bottom of cellar) outside casing?	20	21	22	23	24	
22. Remarks						

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. (lb/gal)								
31. Type cement								

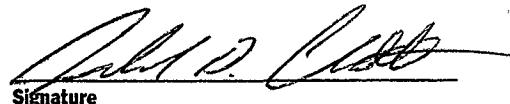
CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, 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

BJ SERVICES

Name and title of cementer's representative

Cementing Company



P.O. BOX 4717 ODESSA, TX 79760

915-381-2301

3/8/98

Address

City, State, Zip Code

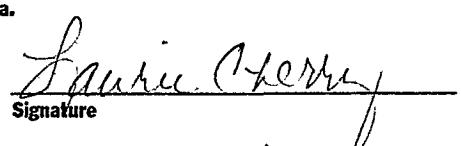
Tel: Area Code Number

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.

LAVIE CHERRY

REG/Compt. Asst.



Typed or printed name of operator's representative

Title

Laurie Cherry

P.O. Box 1610 Midland TX 79702

City, State, Zip Code

915-688-5532

7/6/98

Address

Tel: Area Code Number

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) <i>Arco PERMIAN</i>	2. RRC Operator No. <i>029347</i>	3. RRC District No. <i>8</i>	4. County of Well Site <i>MARTIN</i>
5. Field Name (Wildcat or exactly as shown on RRC records) <i>SPRABERRY (TREND AREA)</i>	6. API No. <i>42-317-34154</i>	7. Drilling Permit No. <i>472574</i>	
8. Lease Name <i>WOODY "36"</i>	9. Rule 37 Case No.	10. Oil Lease/Gas ID No. <i>35729</i>	11. Well No. <i>1</i>

CASING CEMENTING DATA:	SURFACE CASING	INTER- MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
			Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date <i>12/27/83</i>						
13. •Drilled hole size <i>11</i>						
•Est. % wash or hole enlargement						
14. Size of casing (in. O.D.) <i>8 5/8</i>						
15. Top of liner (ft.)						
16. Setting depth (ft.) <i>4135</i>						
17. Number of centralizers used <i>5</i>						
18. Hrs. Waiting on cement before drill-out <i>12</i>						
19. API cement used: No. of sacks Class Additives	400					
No. of sacks Class Additives		C				
No. of sacks Class Additives		B-G CACT 2				
No. of sacks Class Additives						
No. of sacks Class Additives						
20. Slurry pumped: Volume (cu. ft.) Height (ft.)	532					
Volume (cu. ft.)						
Height (ft.)	20.76					
Volume (cu. ft.)						
Height (ft.)						
Volume (cu. ft.)						
Height (ft.)						
Volume (cu. ft.)	532					
Height (ft.)	20.76					
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?	NO					
22. Remarks						

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. (lb/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

BJ SERVICES

Name and title of cementer's representative

Cementing Company



P.O. BOX 4717 ODESSA, TX 79760

915-381-2301

3/12/98

Address

City, State, Zip Code

Tel: Area Code Number

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

REG/Comp. Asst

Laurie Cherry

Typed or printed name of operator's representative

Title

Signature

P.O. Box 1610 Midland TX 79702

City, State, Zip Code

915-688-5532

7/6/98

Address

Tel: Area Code Number

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) <i>ARCO PERMIAN</i>	2. RRC Operator No. 029347	3. RRC District No. 8	4. County of Well Site MARTIN
5. Field Name (Wildcat or exactly as shown on RRC records) <i>SPRABERRY (TREND AREA)</i>	6. API No. 42-317-34158	7. Drilling Permit No. 472574	
8. Lease Name WOODY "36"	9. Rule 37 Case No.	10. Oil Lease/Gas ID No. 35729	11. Well No. #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						
19. API cement used: No. of sacks 600						
Class C						
Additives REMARKS						
2nd stage No. of sacks 300						
Class #500 / POZ 50						
Additives REMARKS 2						
3rd stage No. of sacks 1734						
Class 7.616						
Additives REMARKS 3						
4th stage Volume (cu. ft.) 1008						
Height (ft.) 4412						
5th stage Volume (cu. ft.) 2742						
Height (ft.) 12038						
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?			NO			
22. Remarks 1. 3% SMS + 3# GILSONITE + 1/4# CELLOFLAKE 2. 2% GEL + 2/10% CD-32 + 1/4# CELLOFLAKE						

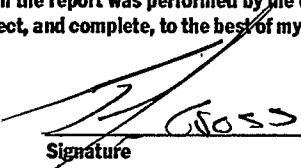
CEMENTING TO PLUG AND ABANDON	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7	PLUG #8
23. Cementing date								
24. Size of hole or pipe plugged (in.)								
25. Depth to bottom of tubing or drill pipe (ft.)								
26. Sacks of cement used (each plug)								
27. Slurry volume pumped (cu.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

BJ SERVICES

Name and title of cementer's representative



P.O. BOX 4717 ODESSA, TX 79760

915-381-2301

3/21/98

Address

City, State, Zip Code

Tel: Area Code Number

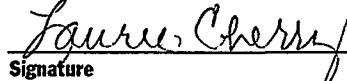
Date: mo. day yr.

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.

LADRIE CHERRY

Typed or printed name of operator's representative

REG/Compt. Asst.



P.O. Box 1610

MIDLAND, TX 79702

915-688-5532

Address

City, State, Zip Code

Tel: Area Code Number

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.

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

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).
- 4. Log attached to (select one)

(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

MIDLAND, TEXAS
C.G.

Laurie Cherry
signature

REGULATORY COMPLIANCE ASSISTANT

title

(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.

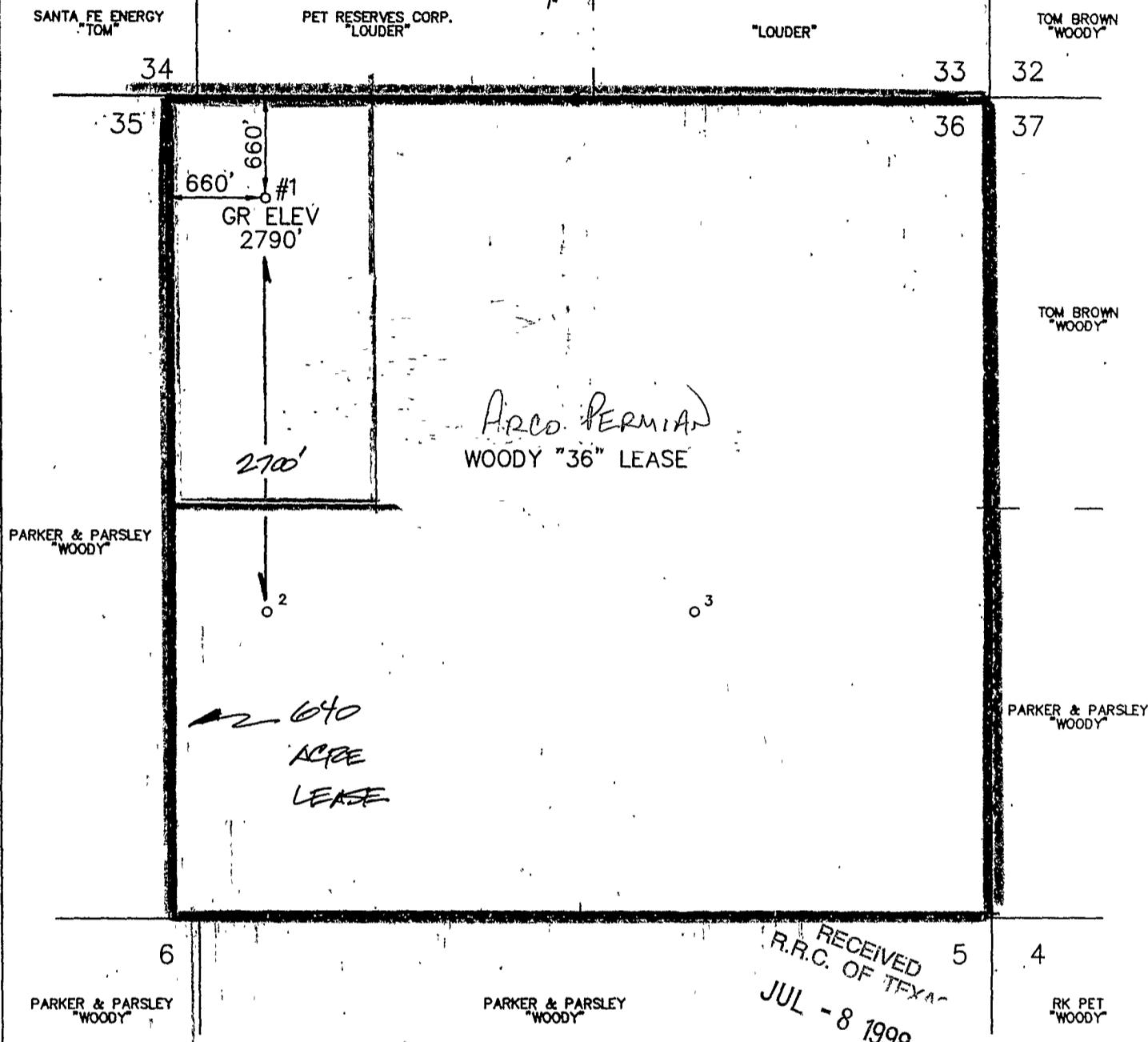
You may, however, request a one-year period of confidentiality during which the log will be kept in your possession. Prior to the expiration of the initial period of confidentiality, you may request a renewal for a two-year period. Logs of wells drilled on land submerged in State water may be granted 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.



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 Schumann Jr.
MAX A. SCHUMANN, JR.
RPLS 137



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

RK PET
"WOODY"

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

► 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

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):									
<input checked="" type="checkbox"/> Drill <input type="checkbox"/> Deepen (below casing) <input type="checkbox"/> Deepen (within casing) <input type="checkbox"/> Plug Back <input type="checkbox"/> Re-Enter <input type="checkbox"/> Horizontal <input type="checkbox"/> Directional Well <input type="checkbox"/> Sidetrack <input type="checkbox"/> Amended Permit (enter permit no. at right & explain fully in Remarks)									
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		Enter here, if assigned:		API No. 42-317-34158 Permit No. 472574	
2. Address (including city and zip code) 310 W. Wall, Suite 915 Midland, Tx. 79701		6. Lease Name (32 spaces maximum) Woody "36"			7. RRC Lease/ID No. NA	8. Well No. 1	9. Total Depth 9500'	Rule 37 Case No.	
		10. Location • Section 36 Block 37, TZN 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. <i>945973</i>							
11. Distance from proposed location to nearest lease or unit line <i>Granted 1/27/98</i>		660 ft.	12. Number of contiguous acres in lease, pooled unit, or unitized tract <i>640 (OUTLINE ON PLAT.)</i>						
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. <i>Spraberry (Trend Area)</i> <i>85280300</i>		14. Completion depth <i>7200'-9300'</i>	15. Spacing pattern (ft.) <i>660'-933'</i>	16. Density pattern (acres) <i>80 160 160</i>	17. Number of acres in drilling unit for this well. OUTLINE ON PLAT. <i>Code C</i>	18. Is this acreage assigned to another well on this lease & in this reservoir? If so, explain in Remarks. <i>NO</i>	19. Distance from proposed location to nearest applied for, permitted, or completed well, this lease & reservoir. (ft.) <i>2700'</i>	20. Oil, gas, or other type well (Specify) <i>oil</i>	21. No. of applied for, permitted, or completed locations (including this one) on lease in this reservoir. <i>3</i>
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 <input type="checkbox"/> ► (Attach Form P-12 and certified plat.)		24. Is Item 17 less than Item 16 (substandard acreage for any field applied for)? Yes <input type="checkbox"/> ► (Attach Form W-1A) No <input checked="" type="checkbox"/>							
25. Is this wellbore subject to Statewide Rule 36 (hydrogen sulfide area)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		If subject to Rule 36, is Form H-9 filed? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> ► 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 <input checked="" type="checkbox"/> No <input type="checkbox"/> If not, and if the well requires a Rule 37 or 38 exception, see instructions for Rule 37.		I certify that information stated in this application is true and complete, to the best of my knowledge. <i>Earl H. Michie</i> Earl H. Michie, President Signature _____ 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 <i>206213 JAN 2398</i> 472574							
Remarks									

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.

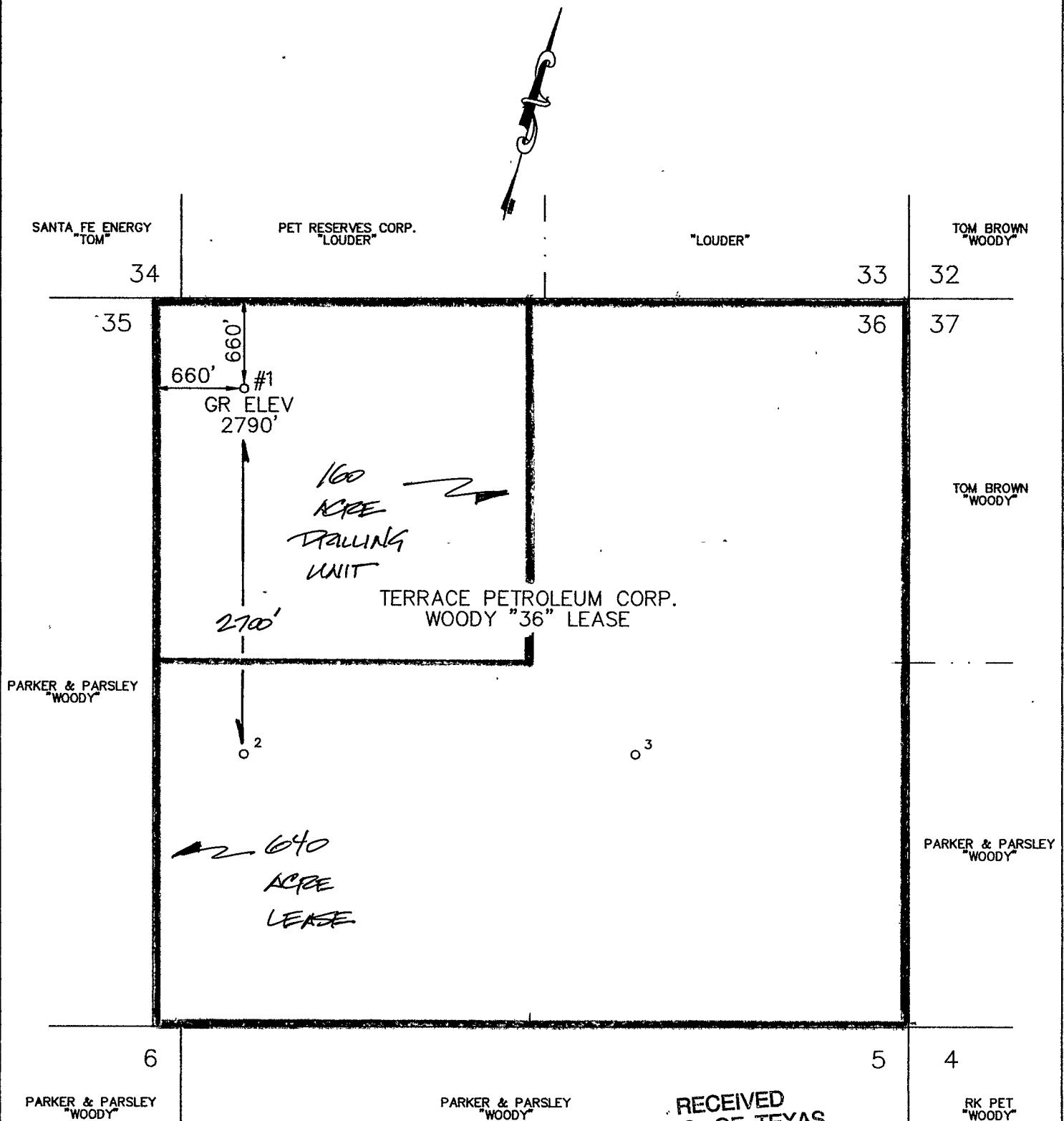
NOTE: If you penetrate a Rule 37 or 38 zone in which you do not propose to complete at this time, you will not necessarily be allowed to use the existence of this wellbore as justification for an exception to complete this wellbore in such zone in the future.

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.



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



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

SCALE: 1" = 1000'

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

RECEIVED
R.R.C. OF TEXAS

JAN 23 1998

OIL & GAS DIVISION

AUSTIN, TEXAS

LOCATION PLAT

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

RECEIVED
RRC OF TEXAS
SEP 06 2017
Plugging Record
O&G
Midland

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

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

Job #2017-95740 Inv# 13073

API No. (if available)
42-317-34159

1. RRC District
8

4. RRC Lease or ID
Number 35729

5. Well Number
2

10. County
Martin

11. Date Drilling Permit Issued
1/27/1998

12. Permit Number
472575

13. Date Drilling Commenced
2/20/1998

14. Date Drilling Completed
3/17/1998

15. Date Well Plugged
8/18/17

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) 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	Levee 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) Oil	Total Depth 9500'	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 3/17/1998
18. If gas, amt. of cond. on hand at time of plugging			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	29. Was any non-drillable material (other than casing) left in this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
SIZE	WT#/FT.	PUT IN WELL (ft.)	LEFT IN WELL (ft.)	HOLE SIZE (in.)	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.)
12 3/4		360'	360'	14 3/4	
8 5/8		4130'	4130'	11	
4 1/2		9500'	9500'	7 7/8	

30. LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS	FROM 8040' TO 9360'	FROM	TO	MAR 26 2018
FROM	TO	FROM	TO	INFORMATION SERVICES
FROM	TO	FROM	TO	AUSTIN, TX
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.

Signature of Cementer or Authorized Representative

Sunset Well Service Inc

Name of Cementing Company

RECEIVED
RRC OF TEXAS
OCT 12 2017

OIL & GAS WELL COMPLIANCE
AUSTIN, TX

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) 221-6953
A/C NUMBER

Rune Smith
SIGNATURE: REPRESENTATIVE OF RAILROAD COMMISSION

19

ST

31. Was well filled with mud-laden fluid, according to the regulations of the Railroad Commission?		<input checked="" type="checkbox"/> Yes	32. How was mud applied? RCM Circulated	33. Mud Weight #10 LBS/GAL
34. Total Depth 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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
9500'	TOP	BOTTOM	36. If No, Explain	
Depth of Deepest Fresh Water	surf	300'		
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.				
<input type="checkbox"/> Log Attached		<input type="checkbox"/> Log released to _____		Date _____
Type Logs:	<input type="checkbox"/> Driller's	<input type="checkbox"/> Electric	<input type="checkbox"/> Radioactivity	<input type="checkbox"/> 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 <u>ICE - 95740</u>				

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.

15(M) EXCAVATION LATED

Type or print only

S. Face Casing

360 ft.

D.V. @ 360 ft.

API No. 42- 317-34159

RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

Form W-2

Rev. 4/1/83

483-046

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"	7. RRC District No. 8			
3. OPERATOR'S NAME (Exactly as shown on P-5, Organization Report) ARCO Permian	RRC Operator No. 029347	8. RRC Lease No. 35729			
4. ADDRESS P.O. Box 1610, Midland, TX 79702	10. County of well site MARTIN	9. Well No. 2			
5. If Operator has changed within the last 60 days, name the former operator TERRACE PETROLEUM CORPORATION	11. Purpose of filing <input checked="" type="checkbox"/> Initial Potential <input type="checkbox"/> Retest <input type="checkbox"/> Reclass				
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 RECORD CODIFICATION JUN 9 1998	14. Completion or recompletion date 4/3/98		Well record only (explain in Remarks)		

SECTION I: POTENTIAL TEST DATA

15. Date of test 4/17/98	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 15	Gas - MCF 10	Water - BBLS 190	Gas - Oil Ratio 667	Flowing Tubing Pressure 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 <input type="checkbox"/> No <input checked="" type="checkbox"/>	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.

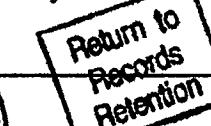
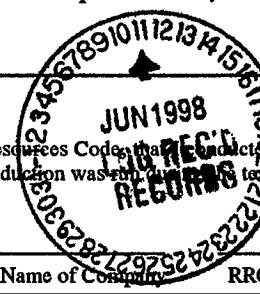
WELL TESTER'S CERTIFICATION

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 directed during this 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

APR 24 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.

ELIZABETH A. CASBEER

Typed or printed name of operator's representative

915-688-5570

4 / 20 / 98

Telephone: Area Code Number

Date: mo. day year

REGULATORY/COMPLIANCE ANALYST

Title of Person

Elizabeth A. Casbeer

Signature

MAPPING 443

317-34159

SECTION II DATA ON WELL COMPLETION AND LOG (Not Required on Reset)							
24. Type of Completion New Well <input checked="" type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input type="checkbox"/>				25. Permit to Drill, DATE Plug Back <input type="checkbox"/> MAY 18 1998 Deepen <input type="checkbox"/> 1/27/98 PERMIT NO. 472575 CASE 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		28. Total number of acres in this lease 640		Salt Water Disposal PERMIT NO. Permit Other PERMIT NO.			
29. Date Plug Back, Deepening, Workover or Drilling Operations: 2/20/98		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 SOUTH		660 Feet from 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° 35')		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
34. Top of Pay 8040	35. Total Depth 9500	36. P. B. Depth 9434	37. Surface Casing Determined by: <input type="checkbox"/> Field Rules <input checked="" type="checkbox"/> Recommendation of T.D.W.R. Railroad Commission (Special)	Dt. of Letter 1/26/98 Dt. of Letter			
38. Is well multiple completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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: <input type="checkbox"/> X	Rotary Tools <input checked="" type="checkbox"/> Cable Tools
41. Name of Drilling Contractor J.S.M.						42. Is Cementing Affidavit Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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			46. Producing Interval (this completion) Indicate depth of perforation or open hole				
Size	Depth Set	Packer Set	From	8040	To	8060	
2-3/8	8397		From	8520	To	8540	
			From	9090	To	9110	
			From	9340	To	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.)				6. RRC District <i>8</i>
1. FIELD NAME (as per RRC Records or Wildcat) <i>SPRABERRY (TREND AREA)</i>	2. LEASE NAME <i>WOODY</i>	11 " 36 "	8. Well Number <i>#2</i>	
3. OPERATOR <i>Arco Permian</i>	<i>RECEIVED R.R.C. OF TEXAS APR 24 1998</i>		9. RRC Identification Number (Gas completions only)	
4. ADDRESS <i>P.O. Box 1610</i>			MIDLAND, TEXAS 79702	10. County <i>MARTIN</i>
5. LOCATION (Section, Block, and Survey) <i>SEC. 36, BLK 37, TZN, 1&P RR CO.</i>	O.G. <i>MIDLAND, TEXAS</i>			

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? 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 Drill Pipe
20. Distance from surface location of well to the nearest lease line 1600 feet.
21. Minimum distance to lease line as prescribed by field rules 1600 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		OPERATOR CERTIFICATION	
<p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of the inclination data and facts placed on both sides of this form and that such data and facts are true, correct, and complete to the best of my knowledge. This certification covers all data as indicated by asterisks (*) by the item numbers on this form.</p> <p><i>Lanny Gortney</i> Signature of Authorized Representative LANNY GORTNEY, VICE PRESIDENT</p> <p>Name of Person and Title (type or print) J. S. M. DRILLING COMPANY</p> <p>Name of Company Arco Permian</p> <p>Telephone: <u>915</u> Area Code <u>530-0070</u></p>			
<p>I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have personal knowledge of all information presented in this report, and that all data presented on both sides of this form are true, correct, and complete to the best of my knowledge. This certification covers all data and information presented herein except inclination data as indicated by asterisks (*) by the item numbers on this form.</p> <p><i>Elizabeth A. Casbeer</i> Signature of Authorized Representative ELIZABETH A. CASBEER - REC/COMP.</p> <p>Name of Person and Title (type or print) Arco Permian</p> <p>Operator 915 666-5570</p> <p>Telephone: <u>915</u> Area Code <u>666-5570</u></p>			

Railroad Commission Use Only:

Approved By: Regina Stinland Title: Adrian Pach Date: 5-8-98

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

RECORD OF INCLINATION (Continued from reverse side)

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) <i>ARCO PERMIAN</i>	2. RRC Operator No. <i>029347</i>	3. RRC District No. <i>7</i>	4. County of Well Site <i>MARTIN</i>
5. Field Name (Wildcat or exactly as shown on RRC records) <i>SPRABERRY (TREND AREA)</i>	6. API No. <i>42-317-34159</i>	7. Drilling Permit No. <i>472575</i>	
8. Lease Name <i>WOODY "36"</i>	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well No. <i>#2</i>

CASING CEMENTING DATA:	SURFACE CASING	INTER- MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
			Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date <i>2/21/98</i>						
13. •Drilled hole size <i>14 3/4</i>						
•Est. % wash or hole enlargement						
14. Size of casing (in. O.D.) <i>12 3/4</i>						
15. Top of liner (ft.)					<i>RECEIVED R.R.C. OF TEXAS</i>	
16. Setting depth (ft.) <i>360</i>					<i>APR 24 1998</i>	
17. Number of centralizers used <i>3</i>					<i>O.G. MIDLAND, TEXAS</i>	
18. Hrs. Waiting on cement before drill-out <i>9</i>						
19. API cement used: No. of sacks 1st Slurry Class Additives	► 210 ► G ► 28% CACI 2					
2nd Slurry No. of sacks Class Additives	► ► ►					
3rd Slurry No. of sacks Class Additives	► ► ►					
4th Slurry Volume (cu. ft.) Height (ft.)	► 281.4 ► 93.8					
5th Slurry Volume (cu. ft.) Height (ft.)	► ►					
6th Slurry Volume (cu. ft.) Height (ft.)	► ►					
Total Volume (cu. ft.) Height (ft.)	► 281.4 ► 93.8					
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?	YES					
22. Remarks						

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. (lb/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

BJ SERVICES

Name and title of cementer's representative

Cementing Company


Signature

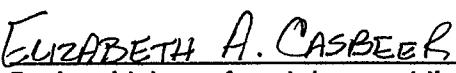
P.O. BOX 4717 ODESSA, TX 79760

915-381-2301

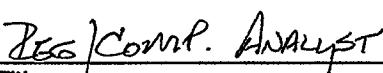
2/20/98

Address	City, State, Zip Code	Tel: Area Code Number	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

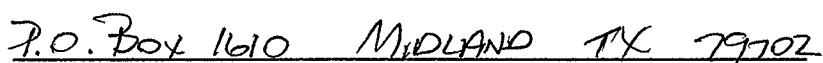
Typed or printed name of operator's representative


Peg Compton Analyst

Title


Elizabeth A. Casbeer

Signature


P.O. Box 1610 MIDLAND TX 79702

Address	City, State, Zip Code	Tel: Area Code Number	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:

- As 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) <i>AECO PERMAN</i>	2. RRC Operator No. <i>029347</i>	3. RRC District No. <i>8</i>	4. County of Well Site <i>MARTIN</i>
5. Field Name (Wildcat or exactly as shown on RRC records) <i>SPRABERRY (TREND AREA)</i>	6. API No. <i>42-317-34159</i>	7. Drilling Permit No. <i>472575</i>	
8. Lease Name <i>WOODY 36"</i>	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well No. <i>2</i>

CASING CEMENTING DATA:	SURFACE CASING	INTER- MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
			Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date <i>2/24/98</i>						
13. •Drilled hole size <i>11"</i>						
•Est. % wash or hole enlargement						
14. Size of casing (in. O.D.) <i>8 5/8</i>					<i>RECEIVED R.R.C. OF TEXAS</i>	
15. Top of liner (ft.)						
16. Setting depth (ft.) <i>4130</i>					<i>APR 24 1998</i>	
17. Number of centralizers used <i>5</i>					<i>O.G. MIDLAND, TEXAS</i>	
18. Hrs. Waiting on cement before drill-out <i>10</i>						
19. API cement used: No. of sacks 1st Slurry Class Additives No. of sacks Class Additives	►	400				
2nd Slurry No. of sacks Class Additives	►					
3rd Slurry No. of sacks Class Additives	►					
20. Slurry pumped: Volume (cu. ft.) Height (ft.) Volume (cu. ft.) Height (ft.) Volume (cu. ft.) Height (ft.) Volume (cu. ft.) Height (ft.)	►	528				
21. Was cement circulated to ground surface (or bottom of cellar) outside casing? NO						
22. Remarks						

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. Time 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

BJ SERVICES

Name and title of cementer's representative

Cementing Company

Gross
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. CASBER
Typed or printed name of operator's representative

Reg/Comp. Analyst
Title

Elizabeth A. Casber
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) <i>ARCO-PERMANENT</i>	2. RRC Operator No. <i>029347</i>	3. RRC District No. <i>8</i>	4. County of Well Site <i>MARTIN</i>
5. Field Name (Wildcat or exactly as shown on RRC records) <i>SPRABERRY (GRENO AREA)</i>	6. API No. <i>42- 317- 34159</i>	7. Drilling Permit No. <i>472575</i>	
8. Lease Name <i>WOODY "36"</i>	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well No. <i>#2</i>

CASING CEMENTING DATA:	SURFACE CASING	INTER- MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
			Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date			<i>3/6/98</i>			
13. •Drilled hole size			<i>7 1/4</i>			
•Est. % wash or hole enlargement						
14. Size of casing (in. O.D.)			<i>4 1/2</i>		RECEIVED R.R.C. OF TEXAS	
15. Top of liner (ft.)					APR 24 1998	
16. Setting depth (ft.)			<i>9500</i>		OG	
17. Number of centralizers used			<i>22</i>		MIDLAND, TEXAS	
18. Hrs. Waiting on cement before drill-out			<i>NA</i>			
19. API cement used: No. of sacks	►		600			
Class	►		C			
Additives	►		REMARKS			
No. of sacks	►		800			
Class	►		EPOXY GEL			
Additives	►		50-50-95			
No. of sacks	►		REMARKS			
Class	►					
Additives	►					
20. Slurry pumped: Volume (cu. ft.)	►		1734			
Height (ft.)	►		7612			
Volume (cu. ft.)	►		1008			
Height (ft.)	►		4425			
Volume (cu. ft.)	►		2742			
Height (ft.)	►		12037			
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?			NO			
22. Remarks	1. 3% SMS + 3# GILSONITE + $\frac{1}{4}$ # CELLOFLAKE 2. 2/10% CD-32 + $\frac{1}{4}$ # CELLOFLAKE					

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

BJ SERVICES

Name and title of cementer's representative

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

REG/COMP. ANALYST

Typed or printed name of operator's representative

Title

Elizabeth A. Casbeer
Signature

P.O. Box 1610 MIDLAND, TX 79102

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.

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

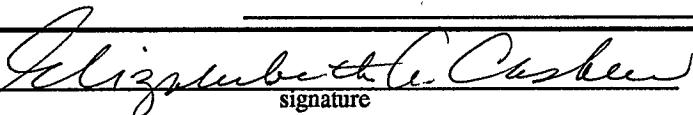
SEE REVERSE SIDE

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	

RECEIVED
R.R.C. OF TEXAS

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

<input type="checkbox"/>	A. BASIC ELECTRIC LOG NOT RUN APR 24 1998
<input checked="" type="checkbox"/>	B. BASIC ELECTRIC LOG RUN 1. Confidentiality requested. <input type="checkbox"/> 2. Confidentiality already granted on basic electric log covering this interval (applicable to deepened wells only). <input type="checkbox"/> 3. Basic electric log covering this interval already on file with Commission (applicable to deepened wells only). <input type="checkbox"/> 4. Log attached to (select one) <input checked="" type="checkbox"/> (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: <u>TERRACE PETROLEUM CORPORATION</u> Check here if attached log is being submitted after being held confidential <input type="checkbox"/> <input type="checkbox"/> (b) Form P-7, Application for Discovery Allowable and New Field Designation. <input type="checkbox"/> (c) Form W-4, Application for Multiple Completion: Lease or ID no.(s) _____, well no.(s) _____
 signature <u>ELIZABETH A. CASBEER</u> name (print)	
REGULATORY COMPLIANCE ANALYST _____ title _____ (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.

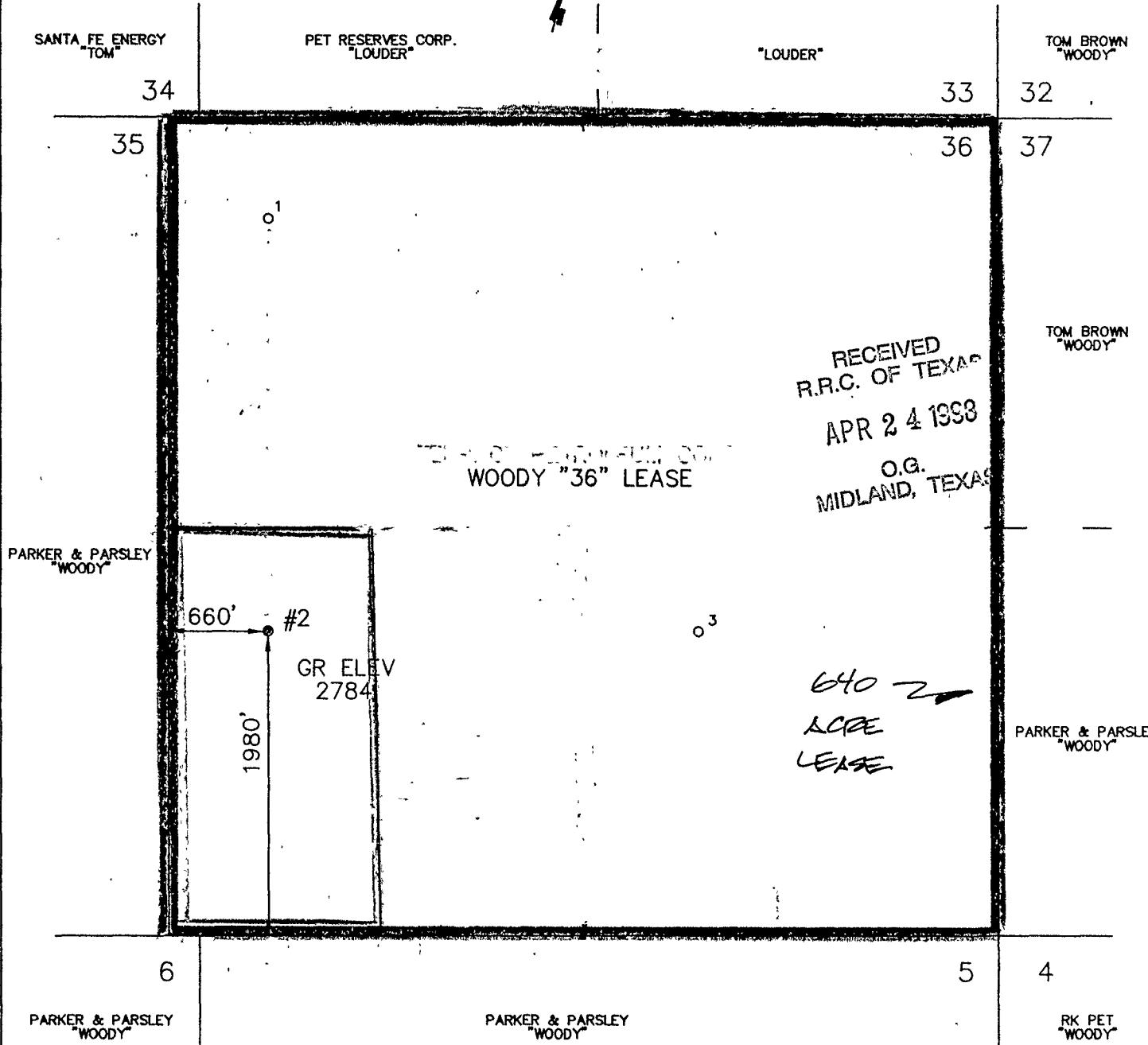
You may, however, request a one-year period of confidentiality during which the log will be kept in your possession. Prior to the expiration of the initial period of confidentiality, you may request a renewal for a two-year period. Logs of wells drilled on land submerged in State water may be granted 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 Schumann Jr.
MAX A. SCHUMANN, JR.
RPLS 137



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

LOCATION	PLAT
WELL NO. 2	1980 FEET FROM THE SOUTH; 660 FEET FROM THE WEST LINES
WELL NO. 2	WELL NO. 2 WOODY "36" LEASE
WELL NO. 2	1980 FEET FROM THE SOUTH; 660 FEET FROM THE WEST LINES
WELL NO. 2	SECTION 36, BLOCK 37, T-2-N, T&P RR CO SURVEY,
WELL NO. 2	MARTIN COUNTY, TEXAS
SCALE: 1" = 1000'	PROJECT: 63575TPC JOB NO: 63,575-B

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

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

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

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

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

► Read Instructions on Back

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):

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. 472575BAM

1. Operator's Name (exactly as shown on Form P-5, Organization Report)
Terrace Petroleum Corporation

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

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.)

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. <i>Granted 1/27/98</i>	15. Completion depth	16. Spacing pattern (ft.)	17. Density pattern (acres)	18. Number of acres in drilling unit for this well. OUTLINE ON PLAT.	19. Is this acreage assigned to another well on this lease & in this reservoir? If so, explain in Remarks.	20. Distance from proposed location to nearest applied for, permitted, or completed well, this lease & reservoir. (ft.)	21. No. of applied for, permitted, or completed locations (including this one) on lease in this reservoir.
Spraberry (Trend Area)	7200'-9300'	660'-933'	160	160	NO	2700	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?

660 FWL

Yes ► (Attach Form P-12 and certified plat.)

No

24. Is Item 17 less than Item 16 (substandard acreage for any field applied for)?

Yes ► (Attach Form W-1A)

No

25. Is this wellbore subject to Statewide Rule 36 (hydrogen sulfide area)? Yes No

If subject to Rule 36, is Form H-9 filed? Yes No ► 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 No
If not, and if the well requires a Rule 37 or 38 exception, see Instructions for Rule 37.

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

Earl H. Michie, President

Signature

1-22-98

Name and title of operator's representative

915 684-5112

Date: mo. day yr. Tel: Area Code Number

• RRC Use Only •

206213 JAN 2398

472575

Remarks

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.

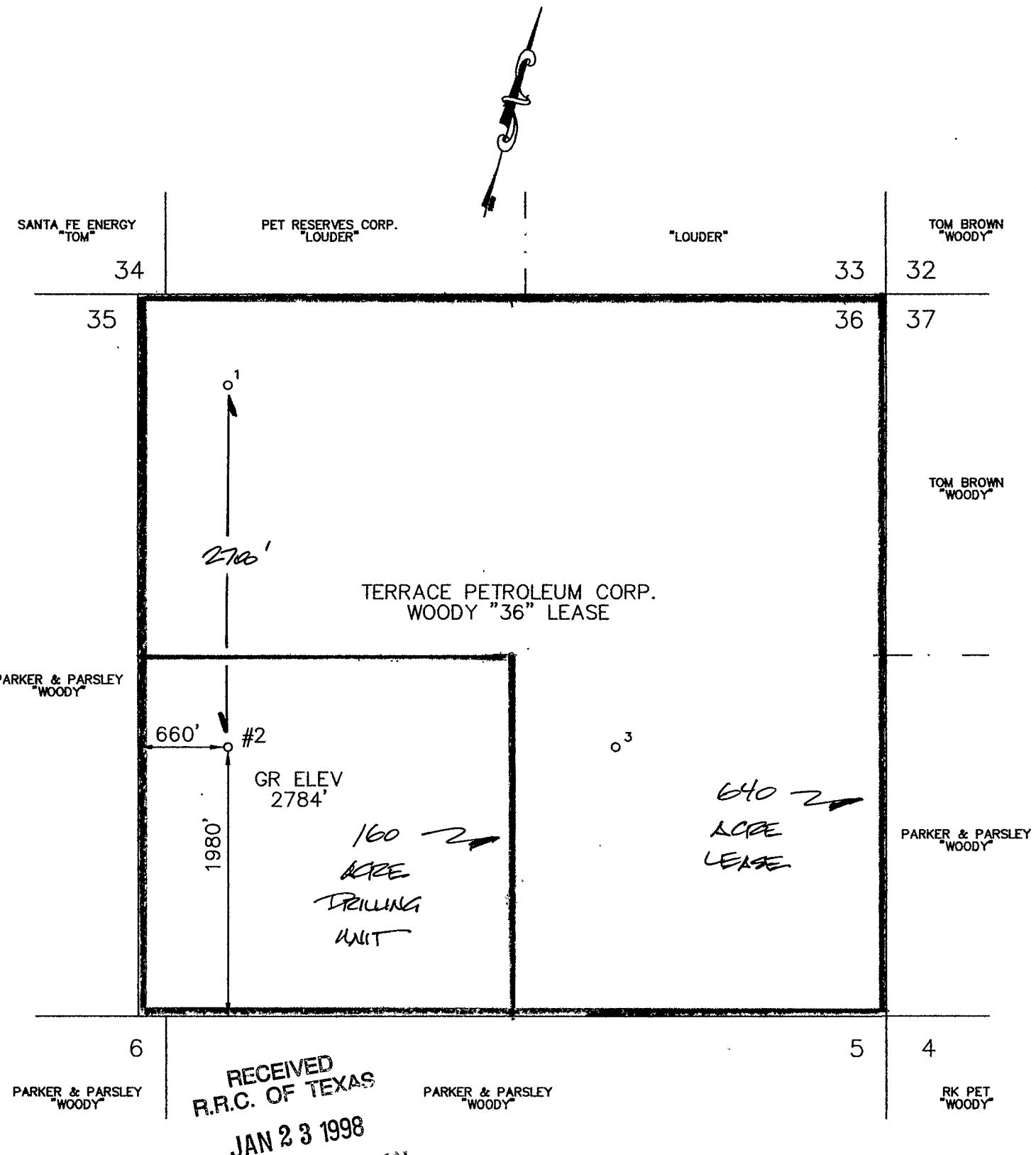
Item 13. Field name. Use only field designations, including reservoir, approved by the Commission (not proposed field names). Enter "Wildcat" if the reservoir has no RRC field designation and give the total projected depth under "Completion Depth." If the well is to be drilled in a multi-pay area, list 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



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 Schumann Jr.
MAX A. SCHUMANN, JR.
RPLS 137



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

SCALE: 1" = 1000'

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

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

T.N.R.C.C. LETTER DATED 1-26-98Depth 36013 (A) Exception Type or print onlyRAILROAD COMMISSION OF TEXAS
Oil and Gas Division

Form W-2

Rev. 4/1/83

483-046

Surface Casing 359 ft.

D.V. (W) ft.

API No. 42- 317-34157

7. RRC District No.

8

8. RRC Lease No.

35728

9. Well No.

3

10. County of well site

MARTIN

11. Purpose of filing

 Initial Potential Retest ReclassWell record only
(explain in Remarks)

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

35729

1. FIELD NAME (as per RRC Records or Wildcat) SPRABERRY (TREND AREA)	2. LEASE NAME WOODY "36"	RRC Operator No. 029347		
3. OPERATOR'S NAME (Exactly as shown on P-5, Organization Report) ARCO Permian			10. County of well site MARTIN	
4. ADDRESS P.O. Box 1610, Midland, TX 79702			11. Purpose of filing <input checked="" type="checkbox"/> Initial Potential	
5. If Operator has changed within the last 60 days, name the former operator TERRACE PETROLEUM CORPORATION			12. If workover or reclass, give former field (with reservoir) & gas ID or oil lease # FIELD & RESERVOIR RECORD CODIFICATION	
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			
13. Type of electric or other log run		GAS ID or OIL LEASE # JUN 8 1998	Oil - O Gas - G 556	WELL NO. 41.0
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 4/17/98	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 18	Gas - MCF 10	Water - BBLS 190	Gas - Oil Ratio 556	Flowing Tubing Pressure 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 <input type="checkbox"/> No <input checked="" type="checkbox"/>	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**

RECEIVED
APR 24 1998

REC'D RECORDS
APR 24 1998
MIDLAND, TEXAS
O.G.

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 **ELIZABETH A. CASBEER** 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

915-688-5570

Telephone: Area Code Number

Date: **4 / 20 / 98** mo. day year

REGULATORY/COMPLIANCE ANALYST

Title of Person

Elizabeth A. Casbeer

Signature

1108

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

24. Type of Completion		New Well <input checked="" type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input type="checkbox"/>	25. Permit to Drill, DATE 1/26/98 PERMIT NO. 472570 Plug Back or, Deepen Rule 37 Exception Water injection Permit Salt Water Disposal Permit Other				
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: 2/7/98		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 Line and SOUTH Line of the WOODY "36"	Feet from Lease			
32. Elevation (DP, RKB, RT, GR, ETC.) 2798'GR		33. Was directional survey made other than inclination, (W-12)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
34. Top of Pay 8040	35. Total Depth 9500	36. P. B. Depth 9420	37. Surface Casing Determined by: Field Rules <input type="checkbox"/>	Recommendation of T.D.W.R. Railroad Commission (Special) <input type="checkbox"/> Di. of Letter 1/26/98 Di. of Letter			
38. Is well multiple completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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 #	40. Intervals Drilled by: Rotary Tools <input type="checkbox"/> Cable Tools <input checked="" type="checkbox"/>			
41. Name of Drilling Contractor J.S.M.			Oil-Gas-G	42. Is Cementing Affidavit Attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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			46. Producing Interval (this completion) Indicate depth of perforation or open hole				
Size	Depth Set	Packer Set	From 8040	To 8060			
2-3/8	8397		From 8590	To 8610			
			From 9100	To 9120			
			From 9330	To 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.)					6. RRC District <i>8</i>
1. FIELD NAME (as per RRC Records or Wildcat) <i>SPRABERRY (TREND AREA)</i>	2. LEASE NAME <i>Woody "36"</i>				7. RRC Lease Number. (Oil completions only) <i>#31</i>
3. OPERATOR <i>ARCO PERMIAN</i>				RECEIVED <i>R.R.C. OF TEX</i>	8. Well Number <i>#31</i>
4. ADDRESS <i>P.O. Box 1610</i>	Midland, Tx 79702			APR 24 1978	9. RRC Identification Number (Gas completions only)
5. LOCATION (Section, Block, and Survey) <i>S36, B37, T2N, T+P</i>				O.G.	10. County <i>MIDLAND, TEXAS</i>
					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)
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? 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 Drill Pipe 1980 feet.
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 none 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 Area Code 530-0070

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 - Pec Comp.
Name of Person and Title (type or print)
ARCO PERMIAN
Operator
Telephone: 915 Area Code 608-5570

Railroad Commission Use Only:

Approved By: *Regina Holland* Title: *Admin Rec* Date: *5-8-78*

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

RECORD OF INCLINATION (Continued from reverse side)

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) <i>Area Permian</i>	2. RRC Operator No. <i>029347</i>	3. RRC District No. <i>8</i>	4. County of Well Site <i>MARTIN</i>
5. Field Name (Wildcat or exactly as shown on RRC records) <i>SPRABERRY (GRENDA AREA)</i>	6. API No. <i>42-317-34157</i>	7. Drilling Permit No. <i>472570</i>	
8. Lease Name <i>WOODY "36"</i>	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well No. <i>#3</i>

CASING CEMENTING DATA:	SURFACE CASING	INTER- MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
			Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date <i>2/27/88</i>						
13. •Drilled hole size <i>14 3/4</i>						
•Est. % wash or hole enlargement						
14. Size of casing (in. O.D.) <i>12 3/4</i>						
15. Top of liner (ft.)					<i>RECEIVED R.R.C. OF TEXAS</i>	
16. Setting depth (ft.) <i>359</i>					<i>APR 24 1988</i>	
17. Number of centralizers used <i>3</i>					<i>O.G. MIDLAND, TEXAS</i>	
18. Hrs. Waiting on cement before drill-out <i>10</i>						
19. API cement used: No. of sacks 1st Story Class Additives	30					
2nd Story No. of sacks Class Additives						
3rd Story No. of sacks Class Additives						
20. Slurry pumped: Volume (cu. ft.) 1st Height (ft.) Volume (cu. ft.) Height (ft.)	300					
2nd Volume (cu. ft.) Height (ft.)						
3rd Volume (cu. ft.) Height (ft.)						
Total Volume (cu. ft.) Height (ft.)	308					
21. Was cement circulated to ground surface (or bottom of cellar) outside casing?						
22. Remarks						

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.

RAUL RUIZ SS
Name and title of cementer's representative

BJ SERVICES
Cementing Company

R. Ruiz
Signature

P.O. BOX 4717 ODESSA, TEXAS 79760 (915) 381-2301 2/7/98
Address City, State, Zip Code Tel: Area Code Number 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. CASBEEF
Typed or printed name of operator's representative

Rec | Comp. Analyst
Title

Elizabeth A. Casbeer
Signature

P.O. Box 1010 MIDLAND TX 79702 915-688-5570 4/20/98
Address City, State, Zip Code Tel: Area Code Number 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) <i>Arco Permian</i>	2. RRC Operator No. <i>029347</i>	3. RRC District No. <i>8</i>	4. County of Well Site MARTIN
5. Field Name (Wildcat or exactly as shown on RRC records) <i>SPRABERRY (TREND AREA)</i>	6. API No. <i>42-317-34157</i>	7. Drilling Permit No. <i>472570</i>	
8. Lease Name <i>WOODY 36</i>	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well No. <i>3</i>

CASING CEMENTING DATA:	SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
			Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date <i>2/11/98</i>						
13. •Drilled hole size <i>11"</i>						
•Est. % wash or hole enlargement						
14. Size of casing (in. O.D.) <i>8 5/8</i>					<i>RECEIVED R.R.C. OF TEXAS</i>	
15. Top of liner (ft.)						
16. Setting depth (ft.) <i>4170</i>					<i>APR 24 1998</i>	
17. Number of centralizers used <i>5</i>					<i>O.G.</i>	
18. Hrs. Waiting on cement before drill-out <i>9</i>					<i>MIDLAND, TEXAS</i>	
19. API cement used: No. of sacks 1st Slurry	400					
Class	C					
Additives	1% CAC12					
2nd Slurry						
No. of sacks						
Class						
Additives						
3rd Slurry						
No. of sacks						
Class						
Additives						
20. Slurry pumped: Volume (cu. ft.) 1st	532					
Height (ft.)	20.98					
Volume (cu. ft.)						
Height (ft.)						
2nd						
Volume (cu. ft.)						
Height (ft.)						
3rd						
Volume (cu. ft.)						
Height (ft.)						
Total						
Volume (cu. ft.)	532					
Height (ft.)	20.98					
21. Was cement circulated to ground surface (or bottom of cellar) outside casing? NO						
22. Remarks						

CEMENTING TO PLUG AND ABANDON	PLUG #1	PLUG #2	PLUG #3	PLUG #4	#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

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

REC. COMP. ANALYST

Title

Signature

P.O. Box 1610, Midland

Address

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.

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) <i>ARCO PERMIAN</i>	2. RRC Operator No. <i>029347</i>	3. RRC District No. <i>8</i>	4. County of Well Site MARTIN
5. Field Name (Wildcat or exactly as shown on RRC records) <i>JSPRA BERRY (KRENO AREA)</i>	6. API No. <i>42-317-34157</i>	7. Drilling Permit No. <i>472570</i>	
8. Lease Name WOODY "36"	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well No. #3

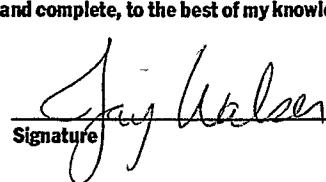
CASING CEMENTING DATA:	SURFACE CASING	INTER-MEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
			Single String	Multiple Parallel Strings	Tool	Shoe
12. Cementing Date <i>2/10/88</i>						
13. •Drilled hole size <i>7 7/8</i>						
•Est. % wash or hole enlargement					<i>RECEIVED R.R.C. OF TEXAS</i>	
14. Size of casing (in. O.D.) <i>4 1/2</i>					<i>APR 24 1988</i>	
15. Top of liner (ft.)					<i>O.G. MIDLAND, TEXAS</i>	
16. Setting depth (ft.) <i>9500</i>						
17. Number of centralizers used <i>22</i>						
18. Hrs. Waiting on cement before drill-out <i>NA</i>						
19. API cement used: No. of sacks			500			
Class			C			
Additives			REMARKS			
2nd Slurry	No. of sacks <i>800</i>					
Class			H + POZ			
Additives			REMARKS			
3rd Slurry	No. of sacks <i>734</i>					
Class						
Additives						
4th Slurry	No. of sacks <i>759</i>					
Class						
Additives						
Total	Volume (cu. ft.) <i>6145</i>					
	Height (ft.) <i>1200</i>					
21. Was cement circulated to ground surface (or bottom of cellar) outside casing? NO						
22. Remarks #1. C + 3% SMS + 3# GILSONITE + 1/4# CELLO FLAKE #2. 2% GEL + 2/10% CD-32 + 1/4# 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

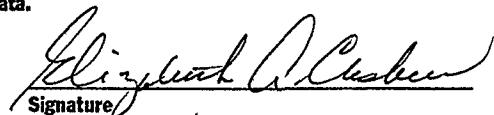
BJ SERVICES
Cementing Company



P.O. BOX 4717 ODESSA, TEXAS 79760 (915) 381-2301 2/19/98
Address City, State, Zip Code Tel: Area Code Number 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. CASBECK PEC | COMP. ANALYST
Typed or printed name of operator's representative Title



P.O. Box 1610 MIDLAND, TX 79702 915-688-5510
Address City, State, Zip Code Tel: Area Code Number 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.

ELECTRIC LOG
STATUS REPORT

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	

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

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

 A. BASIC ELECTRIC LOG NOT RUN 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).
- 4. Log attached to (select one)

(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

ELIZABETH A. CASBEER
name (print)

REGULATORY COMPLIANCE ANALYST

title

(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.

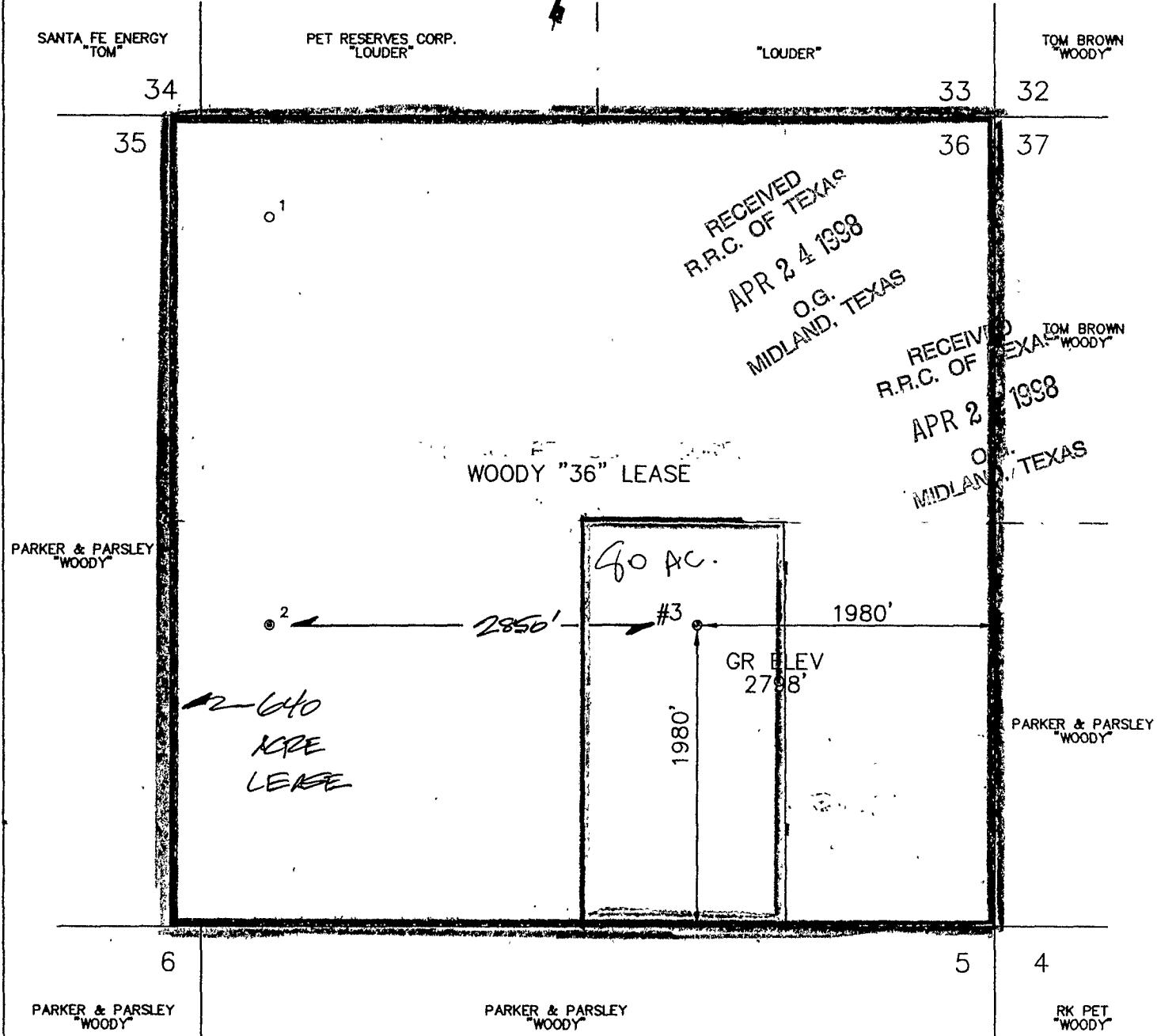
You may, however, request a one-year period of confidentiality during which the log will be kept in your possession. Prior to the expiration of the initial period of confidentiality, you may request a renewal for a two-year period. Logs of wells drilled on land submerged in State water may be granted 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 Schumann
MAX A. SCHUMANN, JR.
RPLS 137



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

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

SCALE: 1" = 1000'

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

► 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

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): <input checked="" type="checkbox"/> Drill <input type="checkbox"/> Deepen (below casing) <input type="checkbox"/> Deepen (within casing) <input type="checkbox"/> Plug Back <input type="checkbox"/> Re-Enter <input type="checkbox"/> Horizontal <input type="checkbox"/> Directional Well <input type="checkbox"/> Sidetrack <input type="checkbox"/> Amended Permit (enter permit no. at right & explain fully in Remarks)										Enter here, if assigned:	► API No. 42- 317-34157
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	► Rule 37 Case No. 472570AHA					
2. Address (including city and zip code) 310 W. Wall, suite 915 Midland, Tx. 79701			6. Lease Name (32 spaces maximum) Woody "36"			7. RRC Lease/ID No. NA	8. Well No. 3	9. Total Depth 9500			
			10. Location <ul style="list-style-type: none"> • 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 945973			12. Number of contiguous acres in lease, pooled unit, or unitized tract 1980 ft.			640 (OUTLINE ON PLAT.)					
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. Granted 1/26/98			14. Completion depth 7200'	15. Spacing pattern (ft.) 660' - 9300'	16. Density pattern (acres) 80' - 160'	17. Number of acres in drilling unit for this well. OUTLINE ON PLAT. 160	18. Is this acreage assigned to another well on this lease & in this reservoir? If so, explain in Remarks. no	19. Distance from proposed location to nearest applied for, permitted, or completed well, this lease & reservoir. (ft.) 2850	20. Oil, gas, or other type well (Specify) oil	21. No. of applied for, permitted, or completed locations (including this one) on lease in this reservoir. OIL GAS	
Spraberry (Trend Area) 85280300											
22. Perpendicular surface location from two nearest designated lines: <ul style="list-style-type: none"> • Lease/Unit 1980' FEL & 1980' FSL • Survey/Section 1980' FEL & 1980' FSL 											
If a directional well, show also projected bottom-hole location: <ul style="list-style-type: none"> • Lease/Unit • Survey/Section 											
23. Is this a pooled unit? Yes <input type="checkbox"/> ► (Attach Form P-12 and certified plat.) No <input checked="" type="checkbox"/>			24. Is Item 17 less than Item 16 (substandard acreage for any field applied for)? Yes <input type="checkbox"/> ► (Attach Form W-1A) No <input checked="" type="checkbox"/>								
25. Is this wellbore subject to Statewide Rule 36 (hydrogen sulfide area)? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			If subject to Rule 36, is Form H-9 filed? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> ► 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 <input checked="" type="checkbox"/> No <input type="checkbox"/> If not, and if the well requires a Rule 37 or 38 exception, see Instructions for Rule 37.			I certify that information stated in this application is true and complete, to the best of my knowledge. Earl H. Michie, President								
Remarks Please expedite, 50.00 is enclosed			Signature 1-22-98 Name and title of operator's representative 915 684-5112 Date: 100 ADP mo. 50 ETP day 23 yr. 98 Tel.: Area Code Number • RRC Use Only • 206213 JAN 2398 472570								

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 # _____

SANTA FE ENERGY
"TOM"

PET RESERVES CORP.
"LOUDER"

"LOUDER"

TOM BROWN
"WOODY"

34

33

32

35

36

37

TOM BROWN
"WOODY"

TERRACE PETROLEUM CORP.
WOODY "36" LEASE

PARKER & PARSLEY
"WOODY"

o² ————— 2850' ————— #3

— 640
ACRE
LEASE

GR ELEV
2798'

160 — 2
ACRE
DRILLING
UNIT

PARKER & PARSLEY
"WOODY"

6

PARKER & PARSLEY
"WOODY"

PARKER & PARSLEY
"WOODY"

RECEIVED
R.R.C. OF TEXAS

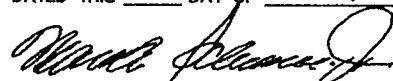
RK PET
"WOODY"

JAN 23 1998

OIL & GAS DIVISION
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



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

SCALE: 1" = 1000'

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



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,

A handwritten signature in black ink, appearing to read "Ann Burdette Wiley".

Ann Burdette Wiley
Regulatory Manager
Athlon Holdings LP

RECEIVED
RRC OF TEXAS
MAR 26 2014
OIL & GAS WELL COMPLIANCE
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 WROTBERRY
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
Dear Operator:

DIST: 08 MARTIN API NO. 317-38169
WOODY "36" WELL NO. 7
ENCANA OIL & GAS (USA) INC.
SPRABERRY (TREND AREA)
LEASE NO. 35729

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 CONTROL
AUSTIN, TX

DIST: 08 MARTIN API NO. 317-38603
WOODY "36" WELL NO. 8
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.

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

TEXAS WELL COMPLIANCE
SECTION, PER

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
WOODY "36"
ATHLON HOLDINGS LP
SPRABERRY (TREND AREA)
LEASE NO. 35729

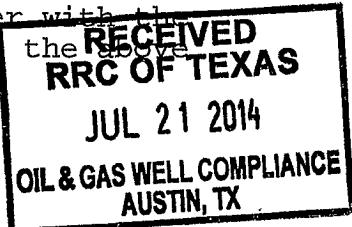
API NO. 317-38760
WELL NO. 9

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 WROTEMBERY
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.

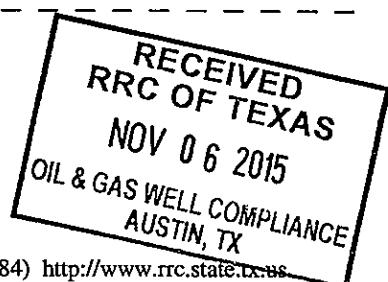
Please complete the bottom portion of this letter and return this letter with the log to the above address to the attention of Well Compliance.

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:





**Compensated Neutron
Gamma Ray CCL
Log**

Company	Athlon Energy Operating LLC		
Well	Woody 36-4		
Field	Spraberry (Trend Area)		
County	Martin	State	Texas
Date	11-28-2012		
Run Number	One		
Depth Driller	11508'		
Depth Logger	11488'		
Bottom Logged Interval	11466'		
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 Olson		
Witnessed By	Daryl Wilt		
Borehole Record			
Run Number	Bit	From	To
One	17 1/2"	Surface	384'
Two	11"	364'	5452'
Three	7 1/8"	5452'	11508'
Casing Record	Size	Weight	Top
Surface String	13 3/8"	48#	Surface
Prot. String	8 5/8"	32#	Surface
Production String	5 1/2"	17#	Surface
Liner			Marker Joint
Tubing Record			
Run Number	Bit	From	To
One	17 1/2"	Surface	364'
Two	11"	364'	5452'
Three	7 1/8"	5452'	11508'
Casing Record	Size	Weight	Top
Surface String	13 3/8"	48#	Surface
Prot. String	8 5/8"	32#	Surface
Production String	5 1/2"	17#	Surface
Liner			Marker Joint

<<< 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): 11212 5500 _____

Company/lease name if different from that above:
