

Type or print only
483-047

U.T. LANDS

RAILROAD COMMISSION OF TEXAS

Oil & Gas Division

Form G-1
4/1/83

API No. 42-003 40316

Gas Well Back Pressure Test,
Completion or Completion Report, and Log

1. FIELD NAME (as per RRC Records or Wildcat) Embar (Yates)		2. LEASE NAME University Donna A		7. RRC District No. 08	
3. OPERATOR'S NAME (Exactly as shown on Form P-5, Organization Report) St. Mary Land & Exploration Co.			RRC Operator No. 810874		8. RRC Gas ID No.
4. ADDRESS 3300 N. A St., Bldg 7, Suite 200, Midland, TX 79705					9. Well No. 3004
5. Location (Section, Block, and Survey) Sec 30, Blk 10, University Lands Survey			5b. Distance and direction to nearest town in this county. 16.6 miles SW from Andrews		
6. If operator has changed within last 60 days, name former operator		12. If workover or reclass, give former field (with reservoir) & Gas ID or oil lease no. FIELD & RESERVOIR		11. Purpose of filing Initial Potential <input checked="" type="checkbox"/> Retest <input type="checkbox"/> Reclass <input type="checkbox"/> Well record only <input type="checkbox"/> (Explain in remarks)	
13. Pipe Line Connection Duke Energy/DCP Midstream, LP		15. Any condensate on hand at time of workover or recompletion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		16. Type of Electric or other Log Run. GR	
14. Completion or recompletion date 1-26-08					

Section I GAS MEASUREMENT DATA										
Date of Test 2-11-08		Gas Measurement Method (Check One) Orifice Meter <input checked="" type="checkbox"/> Flange Taps <input checked="" type="checkbox"/> Pipe Taps <input type="checkbox"/> Positive Choke <input type="checkbox"/> Orifice Vent Meter <input type="checkbox"/> Pilot Tube <input type="checkbox"/> Critical-flow Prover <input type="checkbox"/>								Gas produced during test 429 MCF
Run No.	Line Size	Orif. or Choke Size	24 hr. Coeff. Orif. or Choke	Static P. or Choke Press	Diff. h _w	Flow Temp. °F	Temp. Factor F _t	Gravity Factor F _g	Compress Factor F _{pv}	Volume MCF/DAY
1	2"	64/64"	10.11	45	4.5	78	0.9990	0.9997	0.9980	143
2										
3										
4										

Gravity (Dry Gas) 0.7200		Gravity Liquid Hydrocarbon — Deg. API		Gas-Liquid Hydro Ratio — CF/Bbl		Gravity of Mixture ° mix : —		Avg. Shut-in Temp. 80 °F		Bottom Hole Temp. 98 °F @ 2990' (Depth)	
Deff 8/3 =		<input checked="" type="checkbox"/> T _f =				<input checked="" type="checkbox"/> GL =					
$C = \frac{1118 \times (D \text{ eff})^{8/3}}{T}$		$\frac{1118 \times 105.612}{25.00}$				$\frac{GL}{C} =$					
Run No.	Time of Run Min.	Choke Size	Wellhead Press. PSIA	Wellhead Flow Temp. °F	P _w 2 (Thousands)	R	R ² (Thousands)	P ₁	P _w		
Shut-In 1440			850								
1	2340	64/64"	40								
2											
3											
4											
Run No.	F	K	S $\frac{1}{z}$	E ^{ks}	P ₁ and P ₂	Pf2 and Ps2 (thousands)	Pf2 - Ps2 (thousands)	Angle of Slope O n Absolute Open Flow MCF/DAY			
Shut-In											
1											
2											
3											
4											

WELL TESTER'S CERTIFICATION: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I conducted or supervised this test and that data and facts shown in Sections I and, II above are true, correct, and complete, to the best of my knowledge. Bottomhole temperature and the diameter and length of flow string were furnished by the operator of the well.

St. Mary Land & Exploration Co.

Signature: Well Tester

Name of Company

RRC Representative

OPERATOR'S CERTIFICATION: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that I prepared or supervised and directed this report, and that data and facts therein are true, correct, and complete, to the best of my knowledge.

Signature: Operator's representative

Ann E. Ritchie

Regulatory Agent 03/09/2008

Tel: 432-684-6381

Title

Date

A/C Number

SECTION III DATA ON WELL COMPLETION AND LOG (Not Required on Retest)									
17. Type of Completion: New Well <input checked="" type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input type="checkbox"/> Other <input type="checkbox"/>						18. Permit to Drill. Plug Back or Deepen Rule 37 Exception Water Injection Permit DATE 12-4-07 PERMIT NO. 650332 CASE NO. PERMIT NO.			
19. Notice of Intention to Drill this well was filed In Name of St. Mary Land & Exploration Co.									
20. Number of producing wells on this lease In this field (reservoir) including this well 1			21. Total number of acres In this lease 40			Salt Water Disposal Permit Other Rule 13b exception PERMIT NO. 12-4-07			
22. Date Plug Back, Deepening, WorkOver or Drilling Operations: Commenced 12-5-07 Completed 12-11-07		23. Distance to nearest well. Same Lease & Reservoir 1 well							
24. Location of well relative to nearest lease Boundaries of lease on which this well is located 467 Feet From North Line and 496 Feet from East Line of the University Donna A Lease									
25. Elevation (DF, RKB RT GR ETC.) 3246'				26. Was directional survey made other than inclination (Form W-12)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
27. Top of Pay 2754'	28. Total Depth 2975'	29. P. B. Depth 2940'	30. Surface Casing Determined by Field Rules <input type="checkbox"/> Recommendation of T.D.W.R. Railroad Commission (Special) <input checked="" type="checkbox"/>	Dt. of Letter 11-29-07 Dt. of Letter					
31. Is well multiple completion? NO		32. If multiple completion, list all reservoir names (completions in this Well) and Oil Lease or Gas ID No. FIELD & RESERVOIR			33. Intervals Rotary Cable Drilled Tools Tools by: <input checked="" type="checkbox"/> X				
34. Name of Drilling Contractor Capstar Drilling				35. Is Cementing Affidavit Attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
36. 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		
8 5/8"	24#	620'		430 SX	12 1/4"	surface	701		
4 1/2"	11.6#	2975'		550 SX	7 7/8"	surface	1020		
37. LINER RECORD									
Size	TOP		Bottom		Sacks Cement		Screen		
38. TUBING RECORD									
Size	Depth Set	Packer set	39. Producing Interval (this completion) Indicate depth of perforation or open hole						
2 3/8"	2588'		From 2754'	To 2786'					
			From	To					
			From	To					
			From	To					
40. ACID SHOT, FRACTURE, CEMENT SQUEEZE, ETC.									
Depth Interval			Amount and Kind of Material Used						
2754-2786'			1000 gals 7.5% NEFE w/ ball sealers; Propan frac.						
41. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)									
Formations	Depth	Formations	Depth						
Tansill	2477'								
Yates	2610'								
Seven Rivers	2832'								

REMARKS Permitted as the University 10 NW. Name change to University Donna A.

RAILROAD COMMISSION OF TEXAS

Oil and Gas Division


READ INSTRUCTIONS ON BACK

GAS WELL

CLASSIFICATION REPORT

Form G-5

Rev. 01/01/86

1. OPERATOR NAME (Exactly as shown on Form P-5 Organization Report) St. Mary Land & Exploration Co.		3. RRC DISTRICT NO. 08	4. OIL LEASE NO. OR GAS WELL ID NO.
2. MAILING ADDRESS 3300 N. A St., Bldg 7, Suite 200, Midland, TX 79705		5. WELL NO. 3004	6. API NO. 42 003 40316
8. FIELD NAME (as per RRC Records) Embar (Yates)		9. LEASE NAME University Donna A	
10. LOCATION (Section, Block and Survey) Sec 30, Blk 10, University Lands Survey		11. PIPELINE CONNECTION OR USE OF GAS Duke Energy/DCP Midstream, LP	
I. PRODUCTION TEST AT RATE ELECTED BY OPERATOR (data on 24-hour basis)		II. A.S.T.M. DISTILLATION OF LIQUID SAMPLE. Distillation test is required for gas wells ONLY if the producing gas-liquid hydrocarbon ratio is less than 100,000 CF/barrel.	
A. Date of Test <u>2-11-08</u> B. Gas Volume <u>143</u> (McF) C. Oil or Condensate Volume _____ (Bbl) D. Water Volume <u>3</u> (Bbl) E. Gas/Liquid Hydrocarbon Ratio _____ (CF/Bbl) F. Flowing Tubing Pressure <u>40#</u> (psia) G. Choke Size <u>64/64"</u> (in.) H. Casing Pressure <u>290#</u> (psia) I. Shut-in Wellhead Pressure-Tubing <u>850#</u> (psia) J. Separator Operating Pressure <u>45</u> (psia) K. Color of Stock Tank Liquid _____ L. Gravity of Separator Liquid _____ °API M. Gravity of Stock Tank Liquid _____ °API N. Specific Gravity of the Gas (Air 1) <u>0.7200</u>		Date Liquid Sample Obtained _____ Where Obtained: <input type="checkbox"/> Separator <input type="checkbox"/> Stock Tank % Over Temp. (deg. F) % Over Temp. (deg. F) Initial Boiling Temp. _____ 60 _____ 10 _____ 70 _____ 20 _____ 80 _____ 30 _____ 90 _____ 40 _____ 95 _____ 50 _____ End Point _____ Total Recovery _____ percent Residue _____ percent Loss _____ percent	
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. 03/09/08 DATE		RRC USE ONLY <div style="text-align: center;"> Ann E. Ritchie 432 684-6381 NAME (Type or Print)  SIGNATURE Regulatory Agent Title CONTACT PERSON David Lofton PHONE NUMBER (432) 688-1700 </div>	

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

Form W-15
Cementing Report

RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

1. Operator's Name (As Shown on Form P-5, Organization Report) St. Mary Land & Exploration		2. RRC Operator No. 870874	3. RRC District No. 08	4. County of Well Site Andrews
5. Field Name (Wildcat or Exactly as Shown on RRC Records) Embar (Yates)		6. API No.		7. Drilling Permit No. 650332
8. Lease Name University 10 Donna A		9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well Number WW 3004

CASING CEMENTING DATA:		SURFACE CASING	INTERMEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				SINGLE STRING	MULTIPLE PARALLEL STRINGS	TOOL	SHOE
12. Cementing Date		12-5-07					
13. *Drilled Hole Size		12 1/4					
*Ext. % Wash or Hole Enlargement		N/A					
14. Size of Casing (in. O.D.)		8 5/8					
15. Top of Liner (ft)		N/A					
16. Setting Depth (ft)		620					
17. Number of Centralizers Used		N/A					
18. Hrs. Waiting on Cement Before Drill-Out		N/A					
1st slurry	19. API Cement Used: No. of Sacks >	230					
	Class >	StarLite C					
	Additives >	see remarks					
2nd slurry	No. of Sacks >	200					
	Class >	Class C					
	Additives >	see remarks					
3rd slurry	No. of Sacks >						
	Class >						
	Additives >						
1st	20. Slurry Pumped: Volume (cu.ft.) >	437.00					
	Height (ft) >	1058.88					
2nd	Volume (cu.ft.) >	264.00					
	Height (ft) >	639.69					
3rd	Volume (cu.ft.) >						
	Height (ft) >						
Total	Volume (cu.ft.) >	701					
	Height (ft) >	1699					
21. Was Cement Circulated to Ground Surface (or Bottom of Casing) Outside Casing?		Yes					
22. Remarks							
Lead: 230 sks Class C StarLite 2% CaCl, 2% SM, .7% C-41P 13.00/1.90/10.38							
Tail: 200 sks Class C 2% CaCl, .7% C-41P 14.80/1.32/6.33							
Circulated 30 sks to pit							

OVER ➡

Cementor: Fill in shaded areas
Operator: Fill in other items

Form W-15
Cementing Report

RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

1. Operator's Name (As Shown on Form P-5, Organization Report)	2. RRC Operator No.	3. RRC District No.	4. County of Well Site
ST. MARYS Land & Exploration	810874	08	ANDREWS
5. Field Name (Wildcat or Exactly as Shown on RRC Records)	6. API No.	7. Drilling Permit No.	
Embar (Yates)	42003 40316	650332	
8. Lease Name	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well Number
UNIVERSITY Donna A 10-11-16			3004

CASING CEMENTING DATA:		SURFACE CASING	INTERMEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				SINGLE STRING	MULTIPLE PARALLEL STRINGS	TOOL	SHOE
12. Cementing Date				12/11/07			
13. *Drilled Hole Size				7 7/8"			
*Ext. % Wash or Hole Enlargement				-			
14. Size of Casing (in. O.D.)				4 1/2"			
15. Top of Liner (ft)				-			
16. Setting Depth (ft)				2975'			
17. Number of Centralizers Used				3+			
18. Hrs. Waiting on Cement Before Drill-Out				24+			
1st Slurry	19. API Cement Used: No. of Sacks >			350			
	Class >			C			
	Additives >			REMARKS#1			
2nd Slurry	No. of Sacks >			200			
	Class >			C			
	Additives >			REMARKS#2			
3rd Slurry	No. of Sacks >						
	Class >						
	Additives >						
1st	20. Slurry Pumped: Volume (cu.ft.) >			718.00			
	Height (ft) >			3155.00			
2nd	Volume (cu.ft.) >			302.00			
	Height (ft) >			1331.00			
3rd	Volume (cu.ft.) >						
	Height (ft) >						
Total	Volume (cu.ft.) >			1020			
	Height (ft) >			4486			
21. Was Cement Circulated to Ground Surface (or Bottom of Casing) Outside Casing?				YES			
22. Remarks							
LEAD 350 SKS 65/35/POZ "C" 6%GEL 5%SALT 7/10%C41P							
TAIL 200SKS C 2% GEL 4/10% C16A 7/10% C-41P							
PUMP 60 SKS BACK TO PIT							

OVER ►

RAILROAD COMMISSION OF TEXAS
OIL AND GAS DIVISION

Form W-12
(1-1-71)
FOD1296

INCLINATION REPORT (One Copy Must Be Filed With Each Completion Report)		6. RRC District <div style="text-align: right; font-size: 1.2em;">08</div>
1. FIELD NAME (as per RRC Records or Wildcat) <i>Embar (Yates)</i>		7. RRC Lease Number. (Oil completions only)
2. LEASE NAME <i>University 10-11W Donna A</i>		8. Well Number <div style="text-align: right; font-size: 1.2em;">3004</div>
3. OPERATOR St. Mary Land & Exploration Co.		9. RRC Identification Number (Gas completions only)
4. ADDRESS 3300 North A St., Bldg. 7, Ste. 200 Midland, TX 79705		10. County <div style="text-align: right; font-size: 1.2em;">Andrews</div>
5. LOCATION (Section, Block, and Survey) <i>Sec 30, B1K 10, UL</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 x 100)	15. Course Displacement (feet)	16. Accumulative Displacement (feet)
295	2.95	1/4	0.44	1.29	1.29
620	3.25	1/2	0.88	2.84	4.13
948	3.28	3/4	1.31	4.31	8.44
1231	2.83	3/4	1.31	3.71	12.15
1546	3.15	1/2	0.88	2.76	14.91
2110	5.64	1/2	0.88	4.94	19.85
2555	4.45	3/4	1.31	5.84	25.69
2985	4.30	1	1.75	7.53	33.21

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 2985 feet = 33.21 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..... 467 feet.
21. Minimum distance to lease line as prescribed by field rules..... 467 feet.
22. Was the subject well at any time intentionally deviated from the vertical in any manner whatsoever? NO

(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. <div style="border-top: 1px solid black; margin-top: 10px;"> <i>Archie Brown</i> Signature of Authorized Representative </div> <div style="border-top: 1px solid black; margin-top: 5px;"> Archie Brown - General Manager Name of Person and Title (type or print) </div> <div style="border-top: 1px solid black; margin-top: 5px;"> CapStar Drilling, L.P. Name of Company </div> <div style="border-top: 1px solid black; margin-top: 5px;"> Telephone: <u>432/366-0161</u> <div style="text-align: right;">Area Code</div> </div>	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. <div style="border-top: 1px solid black; margin-top: 10px;"> <i>Ann E. Ritchie</i> Signature of Authorized Representative </div> <div style="border-top: 1px solid black; margin-top: 5px;"> Ann E. Ritchie, Regulatory Agent Name of Person and Title (type or print) </div> <div style="border-top: 1px solid black; margin-top: 5px;"> St. Mary Land & Exploration Co. Operator </div> <div style="border-top: 1px solid black; margin-top: 5px;"> Telephone: <u>432 6846381</u> <div style="text-align: right;">Area Code</div> </div>
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Railroad Commission Use Only:

Approved By: _____ Title: _____ Date: _____

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

1. Field name exactly as shown on proration schedule Embar (Yates)		2. Lease name as shown on proration schedule University Donna A					
3. Current operator name exactly as shown on P-5 Organization Report St. Mary Land & Exploration Co.		4. Operator P-5 no. 810874	5. Oil Lse/Gas ID no.	6. County Andrews	7. RRC district 08		
8. Operator address including city, state, and zip code 3300 N. A St., Bldg 7, Suite 200, Midland, TX 79705		9. Well no(s) (see instruction E) 3004		11. Effective Date 1-26-08			
12. Purpose of Filing. (Complete section a or b below.) (See instructions B and G) a. Change of- <input 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 <div style="margin-left: 40px;"><input type="checkbox"/> field name from: _____ <input type="checkbox"/> lease name from: _____</div> OR b. New RRC Number for: <input type="checkbox"/> oil lease <input checked="" type="checkbox"/> gas well <input type="checkbox"/> other well (specify) _____ <div style="margin-left: 150px;">Due to: <input checked="" 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)</div>		10. Classification <input type="checkbox"/> oil <input checked="" type="checkbox"/> Gas <input type="checkbox"/> Other (see instruction A)					
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%	
14. Authorized OIL or CONDENSATE Gatherer(s). (See instruction Q).		RRC USE ONLY					
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: _____				
			Approval date: _____				
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.							
Name		Signature					
Ann E. Ritchie		<input type="checkbox"/> Authorized Employee of current operator <input checked="" type="checkbox"/> Authorized agent of current operator (see instruction G)					
Title		03/09/08 432 684-6381					
Regulatory Agent		Phone with area code					
E-mail Address (optional) ann.ritchie@wtor.net							

**STATEMENT OF PRODUCTIVITY OF ACREAGE
ASSIGNED TO PRORATION UNITS**

Form P-15
(5-5-71)

The undersigned states that he is authorized to make this statement; that he has knowledge of the facts concerning the St. Mary Land & Exploration Co.

OPERATOR

University Donna A

LEASE

No. 3004

WELL

, that such well is completed in the Embar (Yates) Field, Andrews County,

Texas and that the acreage claimed, and assigned to such well for proration purposes as authorized by special rule and as shown on the attached certified plat embraces _____

40 acres which can reasonably be considered to be productive of hydrocarbons.

- 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.

Date 03/09/08

Signature _____

Ann E. Ritchie

Telephone 432

AREA CODE

684-6381

Title Regulatory Agent

New Well, API # 42 003 40316.

TOPOGRAPHIC LAND SURVEYORS OF TEXAS

Surveying and Mapping for the Energy Industry

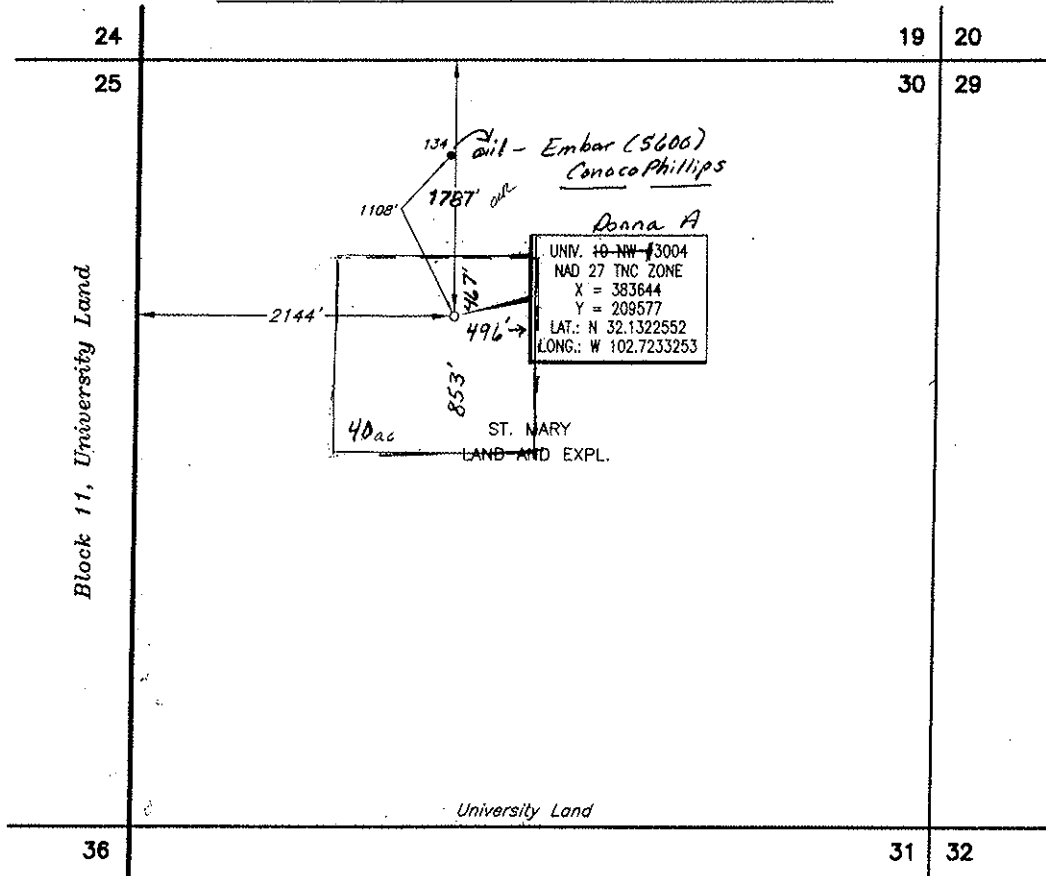
2903 N. BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONES: (432) 682-1853 • (800) 767-1653 • FAX (432) 682-1743

ANDREWS County, Texas

Description 1787' FNL & 2144' FWL

SECTION 30, BLOCK 10, UNIVERSITY LAND SURVEY

NAD 27
GRID BEARINGS



This location has been very carefully staked on the ground according to the best official survey records, maps, and other data available to us. This plot does not in any way represent a "Boundary Survey", and does not comply with correct T.B.P.L.S. Minimum Standards of Procedures for Boundary Surveys.

Scale: 1" = 1000'

Date Staked NOVEMBER 16, 2007

SCALE: 1" = 1000'

0' 500' 1000'

Operator ST. MARY LAND AND EXPL.

Lease Name & Well No. UNIVERSITY 10-NW-13004

Ground Elev. 3245' Reference Stakes or NONE

Alternate Location

Good Drill Site? YES Stakes Set ±16.6 MILES SOUTHWEST OF ANDREWS, TEXAS

Topography & Vegetation NATURAL MESQUITE PASTURE

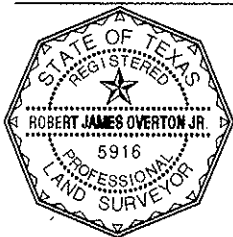
Best Accessibility to Location FROM LEASE ROAD EAST & NORTH OF THE LOCATION

Distance & Direction

from Hwy Jct. or Town FROM JCT. OF HWY 181 & COYOTE CORNER ROAD, GO EAST 0.9 MILES ON

COYOTE CORNER ROAD, THENCE NORTH 1.8 ON LEASE ROAD TO ABANDONED WELL PAD, A POINT ±75'

NORTH OF LOCATION.



CERTIFICATION:

I, Robert J. Overton Jr., a Registered Professional Land Surveyor, and an authorized agent of Topographic Land Surveyors, do hereby certify that the above described well location was surveyed and staked on the ground as shown herein.

Robert J. Overton Jr.
Texas Reg. No. 5916

Invoice # 129121/726NW

E.U.O.
REVISED: 11/20/07; E.U.O.