

RAILROAD COMMISSION OF TEXAS

Tracking No.: 92828

Status: Submitted

Oil and Gas Division

This facsimile W-2 was generated electronically
from data submitted to the RRC.

API No. **42- 461-34335**

7. RRC District No.
7C

8. RRC Lease No.

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 UNIVERSITY 9A		9. Well No. 2
3. OPERATOR'S NAME (Exactly as shown on Form P-5, Organization Report) MAGNUM PRODUCING, LP		RRC Operator No. 521516		10. County of well site UPTON
4. ADDRESS 500 N SHORELINE BLVD STE 322 CORPUS CHRISTI, TX 78401-0000				11. Purpose of filing Initial Potential <input checked="" type="checkbox"/> Retest <input type="checkbox"/> Reclass <input type="checkbox"/> Well record only (Explain In remarks) <input type="checkbox"/>
5. If Operator has changed within last 60 days, name former operator				
6a. Location (Section, Block, and Survey) 9 , 58 , UNIVERSITY LAND		6b. Distance and direction to nearest town in this county. 7 MILES NE FROM RANKIN		
12. If workover or reclass, give former field (with reservoir) & Gas ID or oil lease no. FIELD & RESERVOIR			GAS ID or OIL LEASE # 192880	Oil-O Gas-G Gas Well
BENEDUM (DEVONIAN, GAS)				Well # 2
13. Type of electric or other log run None			14. Completion or recompletion date 11/12/2013	

SECTION I- POTENTIAL TEST DATA IMPORTANT: Test should be for 24 hours unless otherwise specified infield rules.

15. Date of test 11/21/2013	16. No. of hours tested 24	17. Production method (Flowing, Gas Lift, Jetting, Pumping- Size & Type of pump) Flowing			18. Choke size 18/64
19. Production during Test Period	Oil - BBLS 78.36	Gas - MCF 272	Water - BBLS 129	Gas - Oil Ratio 3487	Flowing Tubing Pressure 400.0 PSI
20. Calculated 24-Hour Rate	Oil - BBLS 78.36	Gas - MCF 272	Water - BBLS 129	Oil Gravity-API-60° 41.0	Casing Pressure 0.0 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) 324.62			23. Injection Gas-Oil Ratio
REMARKS: N/A					

INSTRUCTIONS: File an original and one copy of the completed FormW-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 TESTERS CERTIFICATION I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I conducted or supervised this test by observation of (a) meter readings or (b) the top and bottom gauges of each tank into which production was run during the test. I further certify that the potential test data shown above is true, correct, and complete, to the best of my knowledge.	
	Signature: Well Tester _____	Name of Company _____
		RRC Representative _____

	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 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.	
	MAGNUM PRODUCING, LP Type or printed name of operator's representative	Operations Manager Title of Person
	(361) 882-3858 EXT 122 Telephone: Area Code Number Month Day Year	Ken Ahuja Signature

SECTION III										DATA ON WELL COMPLETION AND LOG (Not Required on Retest)									
24. Type of Completion										25. Permit to Drill, Plug Back or Deepen									
New Well <input type="checkbox"/> Deepening <input type="checkbox"/> Plug Back <input checked="" type="checkbox"/> Other <input type="checkbox"/>										DATE 09/26/2013 PERMIT NO. 770395									
26. Notice of Intention to Drill this well was filed in Name of										Rule 37 Exception									
MAGNUM PRODUCING, LP										PERMIT NO.									
27. Number of producing wells on this lease in this field (reservoir) including this well										Water Injection Permit									
1										PERMIT NO.									
28. Total number of acres in this lease										Salt Water Disposal Permit									
141.18										PERMIT NO.									
29. Date Plug Back, Deepening, Workover or Drilling Operations:										Other									
Commenced 08/26/2013										Completed 11/12/2013									
30. Distance to nearest well, Same Lease & Reservoir										0.0									
31. Location of well, relative to nearest lease boundaries										550.0 Feet From North									
East										Line and 550.0 Feet from									
32. Elevation (DF, RKB, RT, GR ETC.)										Line of the UNIVERSITY 9A Lease									
2692 GR										33. Was directional survey made other than inclination (Form W-12)?									
										<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No									
34. Top of Pay										35. Total Depth									
7256										11500									
36. P. B. Depth										37. Surface Casing Determined by									
10918										Field Rules <input type="checkbox"/>									
										Recommendation of T.D.W.R. <input checked="" type="checkbox"/>									
										Railroad Commission (Special) <input type="checkbox"/>									
38. Is well multiple completion?										Dt. of Letter 08/29/2002									
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No										Dt. of Letter									
39. If multiple completion, list all reservoir names (completions in this well) and Oil Lease or Gas ID No.										GAS ID or OIL LEASE #									
FIELD & RESERVOIR										Oil-O Gas-G									
N/A										Well #									
40. Intervals Drilled by:										41. Name of Drilling Contractor									
Rotary Tools <input checked="" type="checkbox"/> Cable Tools										ANIMAS WELL SERVICE									
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.					
13 3/8		48.0		532				PBCZ 400		17 1/2		SURFACE		656.0					
9 5/8		38.0		3999				INTERC 1450		12 1/4		SURFACE		3275.0					
7		26.0		11550				PERM 950		8 3/4		5550		2396.0					
4 1/2		11.6		10961				H 991		8 3/4		3206		1424.0					
44. LINER RECORD																			
Size		Top		Bottom		Sacks Cement		Screen											
N/A																			
45. TUBING RECORD																			
Size		Depth Set		Packer Set		From		7256		To		8117							
2 3/8		7100				From		8406		To		9455							
						From		9632		To		10425							
						From				To									
46. Producing Interval (this completion) Indicate depth of perforation or open hole																			
47. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																			
Depth Interval										Amount and Kind of Material Used									
7256.0										8117.0									
474,854 18# X-LINK, 454,093# 20/40 BSD, 12,000G 15% HCL																			
8406.0										9455.0									
443,448 20# X-LINK, 427,527# 30/50 BSD, 12,000G 15% HCL																			
9632.0										10425.0									
345,488 20# X-LINK, 351,645# 30/50 BSD, 9,000G 15% HCL																			
48. FORMATION RECORD (LIST DEPTHS OF PRINCIPAL GEOLOGICAL MARKERS AND FORMATION TOPS)																			
Formations					Depth					Formations					Depth				
TOP UPPER SPRABERRY					6798.0														
TOP DEAN					8160.0														
TOP WOLFCAMP					8257.0														
REMARKS: THE HORIZONTAL PORTION OF THE WELL WITH PERFS AT 11329-12777' WAS ISOLATED WHEN THE 4-1/2" CSG WAS CEMENTED WITH SHOE AND FLOAT COLLAR AT 10918'.																			

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

Form W-15
Cementing Report
Rev. 4/1/83
HLBRTN1096

RAILROAD COMMISSION OF TEXAS

Oil and Gas Division

1. Operator's Name (As Shown on Form P-5, Organization Report) Magnum Producing, LP	2. RRC Operator No. 521516	3. RRC District No. 7C	4. County of Well Site Upton
5. Field Name (Wildcat or Exactly as Shown on RRC Records) Spraberry (Trend Area)		6. API No. 42- 461-34335	7. Drilling Permit No. 770395
8. Lease Name University 9A	9. Rule 37 Case No.	10. Oil Lease/Gas ID No.	11. Well Number 2

CASING CEMENTING DATA:		SURFACE CASING	INTERMEDIATE CASING	PRODUCTION CASING		MULTI-STAGE CEMENTING PROCESS	
				LINER	MULTIPLE PARALLEL STRINGS	TOOL	SHOE
12. Cementing Date				8/31//2013			
13. *Drilled Hole Size				8-3/4"			
*Ext. % Wash or Hole Enlargement				0			
14. Size of Casing (in. O.D.)				4-1/2			
15. Top of Liner (ft)				-----			
16. Setting Depth (ft)				10961			
17. Number of Centralizers Used				25			
18. Hrs. Waiting on Cement Before Drill-Out				200			
1 st Slurry	19. API Cement Used: No. of Sacks >			175			
	Class >			50:50:H			
	Additives >			Remarks 1			
2 nd Slurry	No. of Sacks >			816			
	Class >			50:50:H			
	Additives >			Remarks 2			
3 rd Slurry	No. of Sacks >						
	Class >						
	Additives >						
1st	20. Slurry Pumped: Volume (cu.ft.) >			428			
	Height (ft) >			4088			
2nd	Volume (cu.ft.) >			996			
	Height (ft) >			9520			
3rd	Volume (cu.ft.) >						
	Height (ft) >						
	Volume (cu.ft.) >			1424			
	Height (ft) >			13608			
21. Was Cement Circulated to Ground Surface (or Bottom of Casing) Outside Casing?				NO			
22. Remarks 1 10% GEL 5% SALT + 2/10% SMS + 2/10% C-20 2 2% GEL + 5/10% C-47A + 2/10% SMS + 2/10% C-20							

OVER →

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								

CEMENTERS 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.

Anthony Polvon - Service Supervisor
Name and Title of Cementer's Representative

O-TEX PUMPING SERVICES
Cementing Company


Signature

2611 East I-20 Midland, Texas 79706
Address City State Zip Code

432-686-8559
Tel: Area Code Number

8/31/2013
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.

Ken Ahuja
Typed or Printed Name of Operators Representative

Operations Manager
Title


Signature

500 N. Shoreline, Ste 322 Corpus Christi, Tx 78401 (361)826-0122
Address City State Zip Code Tel: Area Code Number

12/11/2013
Date: Mo. Day Yr.

Instruction 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 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 applications, 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 12 (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 1000 feet of depth from the ground surface to the bottom of the plug.

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

RAILROAD COMMISSION OF TEXAS
Oil and Gas Division

ELECTRIC LOG
STATUS REPORT

FORM L-1

Tracking No.: 92828

This facsimile L-1 was generated electronically from data submitted to the RRC.

Instructions

When to File Form 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 for confidentiality has not yet expired.

When is Form L-1 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 or geothermal wells
- with Form W-3 for plugging of other than a dry hole

Where to File Form L-1:

- with the appropriate Commission district office

Filling out Form 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 log is NOT run on the subject well, do NOT substitute any other type of log; just select Section II, Part A below

SECTION I. IDENTIFICATION

Operator Name: MAGNUM PRODUCING, LP	District No. 7C	Completion Date: 11/12/2013
Field Name SPRABERRY (TREND AREA)	Drilling Permit No. 770395	
Lease Name UNIVERSITY 9A	Lease/ID No.	Well No. 2
County UPTON	API No. 42- 461-34335	

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

☒ A. BASIC ELECTRIC LOG NOT RUN

☐ B. BASIC ELECTRIC LOG RUN. (Select one)

- ☐ 1. Confidentiality is requested and a copy of the header for each log that has been run on the well is attached.
- ☐ 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: _____
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). _____

Ken Ahuja
Signature
MAGNUM PRODUCING, LP
Name (print)

Operations Manager
Title
(361) 882-3858 EXT 122 12/11/2013
Phone Date

-FOR RAILROAD COMMISSION USE ONLY-

CERTIFICATE OF COMPLIANCE
AND TRANSPORTATION AUTHORITY

P-4

This facsimile P-4 was generated electronically from data submitted to the RRC.
A certification of the automated data is available in the RRC's Austin office.

Tracking No.: 92828

1. Field name exactly as shown on proration schedule SPRABERRY (TREND AREA)		2. Lease name as shown on proration schedule UNIVERSITY 9A					
3. Current operator name exactly as shown on P-5 Organization Report MAGNUM PRODUCING, LP		4. Operator P-5 no. 521516	5. Oil Lse/Gas ID no	6. County UPTON	7. RRC district 7C		
8. Operator address including city, state, and zip code 500 N SHORELINE BLVD STE 322 CORPUS CHRISTI, TX 78401		9. Well no(s) (see instruction E) 2		11. Effective Date 11/12/2013			
		10. Classification <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> Other (see instruction A)					
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							
<input type="checkbox"/> field name from _____ <input type="checkbox"/> lease name from _____							
-- OR --							
b. New RRC Number for: <input checked="" type="checkbox"/> oil lease <input type="checkbox"/> gas well <input type="checkbox"/> other well (specify) _____ 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)							
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	SOUTHERN UNION GAS SERVICES, LTD(805477)			0001	100.0	
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	
SHELL TRADING (US) COMPANY(774715)						50.0	
PLAINS MARKETING, L.P.(667883)						50.0	
RRC USE ONLY: 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 _____ Name (print) _____ Title _____				Signature <input type="checkbox"/> Authorized Employee of previous operator <input type="checkbox"/> Authorized agent of previous operator (see instruction G) _____ 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.							
MAGNUM PRODUCING, LP Name (print) Operations Manager Title ken@magnumproducing.com E-mail Address (optional)				Ken Ahuja Signature <input checked="" type="checkbox"/> Authorized Employee of current operator <input type="checkbox"/> Authorized agent of current operator (see instruction G) 12/11/2013 Date _____ Phone with area code _____			

PLEASE
DO NOT STAPLE

PLEASE READ ALL INSTRUCTIONS

The information requested is essential in order for this agency to provide an appropriate response. Please allow for receipt of this form in our office at least two weeks before your operation begins. Due to the volume of this request, at times it may be difficult for us to handle telephone inquiries. Complete, keep the bottom sheet (goldenrod) for your files, and mail the top 3 sheets of the 4-sheet set of carbon-backed forms with a map to the address below; one of them will be returned to you bearing our response and one will be sent to the appropriate district office of the Railroad Commission. For questions, phone: 512/238-0515.

UNIVERSITY

SEP 11 2002

Surface Casing - MC 151
TNRCC
P.O. Box 13087
Austin, TX 78711-3087

Date August 18, 2002 TNRCC File No.: SC- 5730

LANDMAN M. Schelling 915/620-5602

Name of person preparing this request & telephone no. w/AC

Pura Resources, L.P.

Company (operator's name as on RRC form W-1)

500 W. Illinois

Mailing Address

Midland, Texas 79701

City and State

Zip Code

ALWAYS INCLUDE A MAP SHOWING YOUR WELL SITE AND ALL SURROUNDING SURVEYS

FOLD

TYPE OR PRINT IN INK

COUNTY <u>Upton</u>	Survey Name <u>ULS</u>
Block No. <u>58</u> Township _____	Section or Survey No. <u>9</u> (or) Lot No. _____
Abstract No. A- _____	LEASE Name <u>University "9"</u> Well No. <u>1</u>
Distances, in feet, and directions measured at right angles from each of two intersecting Section or Survey lines (NOT LEASE LINES) <u>500</u> feet from <u>North</u> line and <u>2200</u> feet from <u>West</u>	
Distance (in miles) and direction from a nearby town in this County (name the town) <u>7 miles Northeast of Rankin</u>	
THE ABOVE INFORMATION IN THIS BLOCK MUST BE COMPLETE AND CORRECT	
GPS Coord. _____	RRC Lease No. _____ RRC Dist. No. <u>7C</u>

Elevation 2692' Total Depth 12000' Geologic Fm. At T.D. DevonianPurpose of the Request: ☒ New Drill ☐ Re-entry ☐ Plug & Abd. ☐ Other (specify) _____Is this an amended request? ☐ Yes ☒ No Previous File No. for this well: SC- _____☐ Log included of same or nearby well. (The applicable type of well log that shows the aquifers.)

ALWAYS attach the electric log of any well that is to be reentered.

Additional remarks: API No. 42-461-34335

THE TEXAS NATURAL RESOURCE CONSERVATION COMMISSION'S recommendation for the protection of usable-quality ground water at the referenced location is as follows:

CO-UPTON, SUR-UL, BLK-58, SEC-9, LSE-UNIVERSITY -9-, #6/450

The interval from the land surface to 20 feet below the base of the Cretaceous-age beds must be protected. The base of the Cretaceous is estimated to occur at a depth of 450 feet.

FOLD

DO NOT WRITE HERE
FOR TNRCC USE ONLY

Very truly yours,

John D. Estep

Geologist, Surface Casing, TNRCC

Date August 29, 2002

typed by TNRCC

NOTE: The depth to which we recommend that usable-quality water strata should be protected is intended to apply only to the subject well and not for area-wide use. Approval of the well-completion methods for protection of this ground water falls under the jurisdiction of the Railroad Commission of Texas. This recommendation is intended for normal drilling, production, and plugging operations only and does not apply to salt water disposal operations into a nonproductive zone (RRC Form W-14).

TNRCC-0051 (Rev. 08-01-00)

TOTAL P.02