

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form C-101
August 1, 2011
Permit 188117

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address CROSS TIMBERS ENERGY, LLC 400 West 7th Street Fort Worth, TX 75070		2. OGRID Number 298299
4. Property Code 312471		3. API Number 30-025-41939
5. Property Name SOUTHEAST MALJAMAR GB/SA UNIT		6. Well No. 618

7. Surface Location

UL - Lot	N	Section	29	Township	17S	Range	33E	Lot Idn		Feet From	158	N/S Line	S	Feet From	1985	E/W Line	W	County	Lea
----------	---	---------	----	----------	-----	-------	-----	---------	--	-----------	-----	----------	---	-----------	------	----------	---	--------	-----

8. Proposed Bottom Hole Location

UL - Lot	N	Section	29	Township	17S	Range	33E	Lot Idn	N	Feet From	158	N/S Line	S	Feet From	1985	E/W Line	W	County	Lea
----------	---	---------	----	----------	-----	-------	-----	---------	---	-----------	-----	----------	---	-----------	------	----------	---	--------	-----

9. Pool Information

MALJAMAR;GRAYBURG-SAN ANDRES	43329
------------------------------	-------

Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 4037
16. Multiple N	17. Proposed Depth 5000	18. Formation San Andres	19. Contractor	20. Spud Date 8/1/2014
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	8.625	24	1300	800	
Prod	7.875	5.5	15.5	4500	560	

Casing/Cement Program: Additional Comments

--

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	3000	TBD

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒ , if applicable. Signature: _____ Printed Name: Electronically filed by Robbie A Grigg Title: Regulatory Compliance Email Address: rgrigg@mspartners.com Date: 6/24/2014	OIL CONSERVATION DIVISION Approved By: Paul Kautz Title: Geologist Approved Date: 6/26/2014 Expiration Date: 6/26/2016 Conditions of Approval Attached
Phone: 817-334-7842	

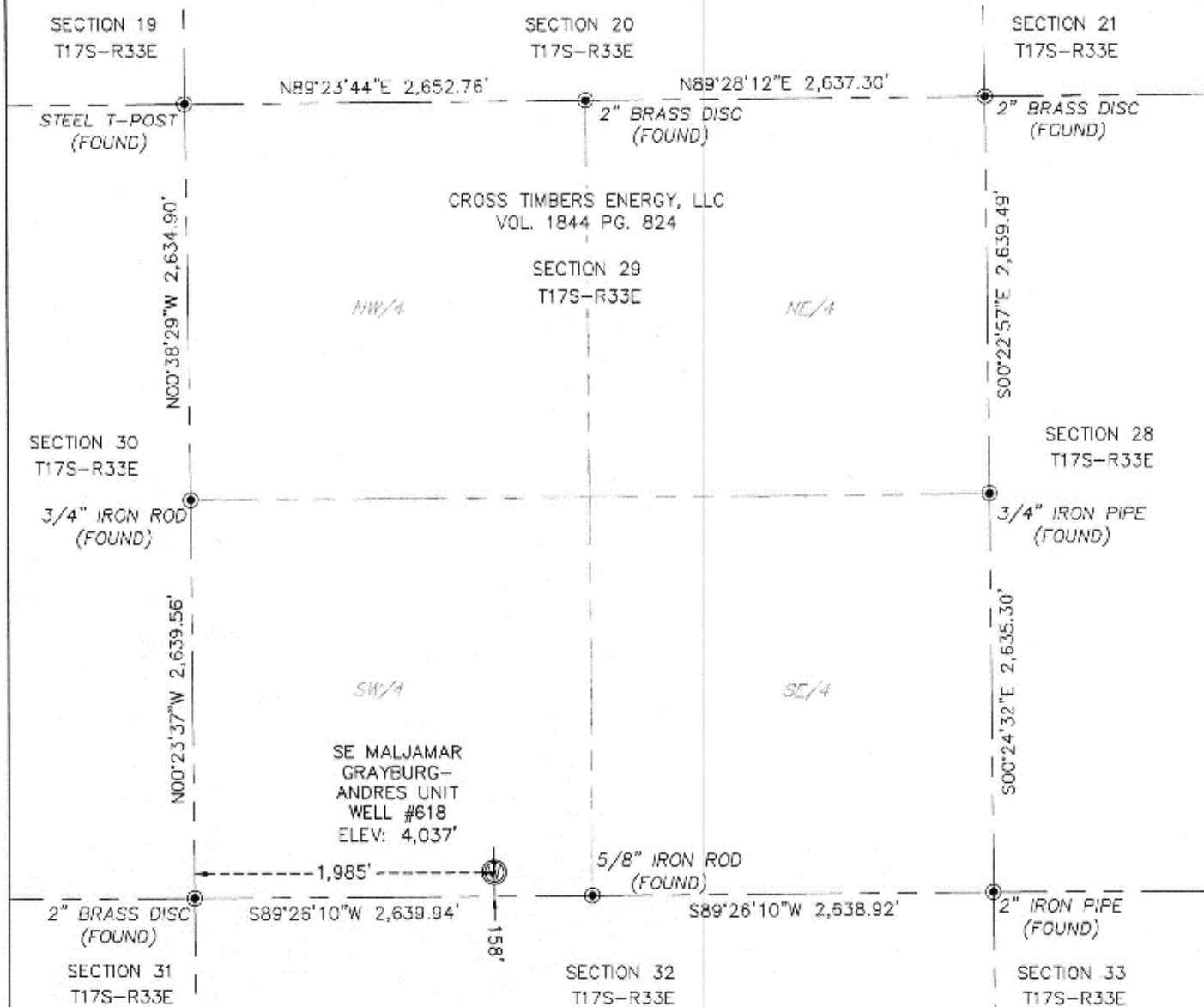
LEA COUNTY, NEW MEXICO
SECTION 29, TOWNSHIP 17 SOUTH RANGE 33 EAST
NEW MEXICO PRINCIPAL MERIDIAN

EXHIBIT "A"



LEGEND:

● FOUND MONUMENTATION



APPROXIMATELY 22.1 MILES S 63° 11' W OF LOVINGTON,
NEW MEXICO

SURFACE LOCATION:

NAD 83: NEW MEXICO EAST ZONE COORDINATES OF THE
SE MALJAMAR GRAYBURG-ANDRES UNIT WELL #618
N(Y) = 654927.58, E(X) = 739811.43

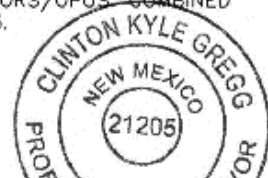
NAD 27: NEW MEXICO EAST ZONE COORDINATES OF THE
SE MALJAMAR GRAYBURG-ANDRES UNIT WELL #618
N(Y) = 654863.18, E(X) = 698632.92

WGS(84) LATITUDE AND LONGITUDE OF THE
SE MALJAMAR GRAYBURG-ANDRES UNIT WELL #618
LAT = 32°47'55.54" N, LONG = 103°41'14.69" W

NOTES:

1: THIS PLAT DOES NOT REPRESENT A BOUNDARY
SURVEY.

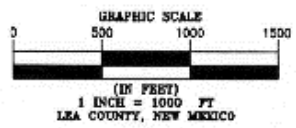
2: BEARINGS AND DISTANCES SHOWN HEREON ARE
NAD(27), LAMBERT GRID COORDINATES AND CONFORM TO
THE NEW MEXICO COORDINATE SYSTEM, "NEW MEXICO
EAST ZONE", UTILIZING USGS CORS/OPUS COMBINED
SCALE FACTOR IS 0.999954273.



PROFESSIONAL SURVEY

MALJAMAR GRAYBURG-ANDRES UNIT WELL #618
 1,985 FEET FWL AND 158 FEET FSL OF
 SECTION 29, T17S-R33E, LEA COUNTY, NEW MEXICO

Clinton Kyle Gregg 6/13/2014
 CLINTON KYLE GREGG
 PROFESSIONAL SURVEYOR
 NO. 21205 - STATE OF NEW MEXICO



CROSS TIMBERS ENERGY, LLC
 FORT WORTH, TEXAS

MALJAMAR GRAYBURG-ANDRES UNIT WELL #618
 SECTIONS 28, T17S-R33E
 LEA COUNTY, NEW MEXICO



3001 KATY FREEWAY
 SUITE 200
 HOUSTON, TX 77059
 TEL: (713) 973-5100
 FAX: (713) 973-5100
 WWW.SAM-INC.COM
 TX FIRM REGISTRATION
 NO. 10042106

NO.	REVISION	DATE
	PROJECT:	MALJAMAR #618
	JOB NUMBER:	34102
	DATE:	06/08/2014
	SCALE:	1" = 1000'
	SURVEYOR:	BKR
	TECHNICIAN:	SJ
	DRAWING:	

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-8181 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-8178 Fax:(505) 334-8170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form APD Comments

Permit 188117

PERMIT COMMENTS

Operator Name and Address: CROSS TIMBERS ENERGY, LLC [298299] 400 West 7th Street Fort Worth, TX 75070		API Number: 30-025-41939
		Well: SOUTHEAST MALJAMAR GB/SA UNIT #618

Created By	Comment	Comment Date
------------	---------	--------------

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-8161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form APD Conditions
 Permit 188117

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: CROSS TIMBERS ENERGY, LLC [298299] 400 West 7th Street Fort Worth, TX 75070		API Number: 30-025-41939
		Well: SOUTHEAST MALJAMAR GB/SA UNIT #618

OCD Reviewer	Condition
pkautz	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
pkautz	If using a pit for drilling and completion operations, must have an approved pit from prior to spudding the well.
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
pkautz	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --