

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.5. Lease Serial No.
NMSF079162

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other8. Well Name and No.
MILES FEDERAL 2

2. Name of Operator

CROSS TIMBERS ENERGY LLC

Contact: SAMANTHA AVARELLO

E-Mail: savarello@mspartners.com

9. API Well No.

30-039-06533-00-S1

3a. Address

#36 ROAD 350
FLORA VISTA, NM 87415

3b. Phone No. (include area code)

Ph: 827-334-7747

10. Field and Pool or Exploratory Area
BASIN DAKOTA

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 7 T26N R7W SESW 0950FSL 1480FWL
36.496338 N Lat, 107.620117 W Lon

11. County or Parish, State

RIO ARRIBA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
<i>BP</i>	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

CTE completed P&A procedures for the Miles Federal 002 on 06/17/2020.

Attachments

- Final P&A WBD
- P&A Job Summary
- CBL
- Cement Treatment Report

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #520427 verified by the BLM Well Information System
For CROSS TIMBERS ENERGY LLC, sent to the Farmington
Committed to AFMSS for processing by JOE KILLINS on 07/15/2020 (20AMW0163SE)**

Name (Printed/Typed) SAMANTHA AVARELLO

Title REGULATORY TECHNICIAN

Signature (Electronic Submission)

Date 06/26/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

ACCEPTEDJOE KILLINS
Title ENGINEER

Date 07/15/2020

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Farmington

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

AV



Job Summary for MILES FEDERAL 02 - 3003906533

Permanently Plug & Abandon Well-06/11/2020

Date	Summary
06/11/2020	MIRU Aztec Well Service PU #993. SITP 40 psig. SICP 0 psig. BD TBG to pit. Ppd dwn tbg w/26 bbls fresh wtr. RU fish tls. RIH w/2"JDC. POH. Rec bar stock plngr. RIH w/2"JDC. POH. Rec fl BHBS. LD fish tls. ND WH. NU and function test BOP, rig up for 23/8" tbg. Work tbg to release Lock set packer, TOH 24 stands dragging packer, Work tbg to release packer, TOH w/ 77 jts of 23/8" tbg, 4 1/2" Lock set packer, 82 jts of 2 3/8" tbg, SN & NC. PU & TIH w/3 7/8" bit/casing scraper, to 3509'. SWI. SDFN.
06/12/2020	0 psi SITP 0 psi SICP, Continue TIH with bit/scraper to 6533. Work scraper @4372' and 6497', TOH, lay down bit/scraper. Make up 4 1/2" CICR, TIH and set retainer @6518', 49' above top Dakota perf @ 6567'. Pressure test tbg to 1000 psi, test was good. Sting out of retainer, Roll hole with 80 bbls of fresh water. Attempt to pressure test 4 1/2" casing to 600 psi, test failed, lost 50 psi per minute. Mix and pump 20 sks (4.2 bbls) of 15.8# 1.18 yield class G cement, Displace with 23.5 bbls of fresh water. Calculated TOC @6254' (Dakota/Graneros). Lay down 9 jts of 2 3/8" tbg, TOH with remaining tbg. Rig up wireline, Run CBL from 6200' to surface, Send E copy to BLM/NMOCD. SWI, SDFWE. Witnessed by Mr. Mark Decker with BLM
06/15/2020	Travel to location, hold pjsm. 0 psi SICP, 0 psi on braden head. Rig up wireline, RIH with 3 1/8" perf gun, tag cement stringer @ 6148', pull up to 5810', perforate 4 spf. POH, Attempt to establish injection rate @ less than 1/4 bpm @ 1000 psi (no rate). TIH open ended with 2 3/8" tbg, tag TOC @ 6254' (Graneros top @ 6420'). Pull EOT to 5860'(Gallup 5575' – 5475') Mix and pump 33 sks ((6.9 bbls) of 15.8" 1.18 yield class G cement W/ 2% calcium, displace with 20.5 gallons of fresh water, Lay down 15 jts, TOH with remaining tbg (wet). WOC 4 hrs. RIH with 3 1/8" perf gun, tag TOC @ 5475', pull up and perforate 4 spf @4670' (Mancos 4670' – 4570'). POH, attempt to establish injection rate, less than 1/4 bpm @ 600 psi (no rate). TIH open ended with 2 3/8" tbg to 4716', mix and pump 15 sks (3.1 bbls) of 15.8# 1.18 yield class G cement. Displace with 17.5 bbls of fresh water, lay down 7 jts, TOH 5 stands, reverse circulate 20 bbls. SWI. SDFN. WOC overnight. Witnessed by Mr. Mark Decker with BLM. Mr. Brandon Powell with NMOCD gave verbal approval.
06/16/2020	Travel to location, hold pjsm, 0 psi SICP, 0 psi on braden head. TIH, tag TOC @4623'(Mancos top). Mesa Verde (3782' – 3682') TOH laying down 2 3/8" tbg, set EOT @3786', mix and pump 15 sks, (3.1 bbls) of 15.8# 1.18 yield class G cement with 1% calcium, displace with 14 bbls of fresh water, TOH 10 jts, reverse circulate 17 bbls. WOC 5 hrs (08:30 – 13:30), TIH, tag TOC @3560'. Pressure test 4 1/2" casing to 540 psi for 30 minutes from cement plug @3560' to surface, test was good. Chacra (3079' – 2979') TOH laying down tbg, set EOT @3078', mix and pump 12 sks, (2.5 bbls) of 15.8# 1.18 yield class G cement, displace with 10.5 bbls of fresh water. Fruitland coal/Picture cliffs (2205' – 1900') TOH laying down tbg. set EOT @2197', mix and pump 27 sks (5.7bbls) of 15.8# 1.18 yield class G cement, displace with 6.5 bbls of fresh water. Ojo Alamo/Kirtland (1550' – 1170') TOH laying down tbg, set EOT @1563', mix and pump 33 sks (6.9 bbls) of 15.8# 1.18 yield class G cement, displace with 4 bbls of fresh water. Lay down remaining tbg, SWI. SDFN. Witnessed by Mr. Mark Decker with BLM. Mr. Brandon Powell with NMOCD gave verbal approval.



**Job Summary for MILES FEDERAL 02 -
3003906533
Permanently Plug & Abandon Well-06/11/2020**

06/17/2020	<p>Travel to location, hold pjsm, 0 psi SICP, 0 psi on braden head. Rig up wireline. RIH and perforate 4spf @350' (8 5/8" shoe @270'). Pump 3 bbls of fresh water down casing to establish circulation out braden head. Nipple down BOP, nipple up wellhead. Mix and pump 107 sks (22.5 bbls) of 15.8# 1.18 yield class G cement, circulate 1 bbl out braden head. Cut off wellhead, Install P&A marker. Pump 13 sks (2.7 bbls) of cement to top off casing and fill cellar. RDMO Aztec Well Servicing PU #993. Witnessed by Mr. Mark Decker with BLM. Verbal approval from Mr. Brandon Powell with NMOCD.</p>

[illegible]

[illegible]

[illegible]



AZTEC WELL SERVICING CO.

CEMENT JOB DETAIL SHEET

CUSTOMER: CROSS TIMBERS ENERGY		DATE: June 16, 2020		API Number: 30-039-06533		TYPE OF JOB: P & A	
LEASE & WELL NAME: Miles Federal #2		LOCATION: Sec 5 T26N R7W		SERVICE SUP: MICHEL CRANE			
SERVICE CONTRACTOR: 993		OPERATOR: AWS		COUNTY: RIO ARRIBA		STATE: NEW MEXICO	

MATERIALS FURNISHED:	TYPE OF PLUGS:		LIST CSG. HARDWARE:	SQUEEZE MANIFOLD: NO	TOP OF EACH FLUID:	PHYSICAL SLURRY PROPERTIES:					
	TOP	N/A				SLURRY WEIGHT: Lb/gal	SLURRY YIELD: Cuft/sk	WATER REQ.: Gals/sk	PUMP TIME: hr:mm	SLURRY: bbls	MIX WATER: bbls
	BOTTOM	0									

PRE-FLUSH - FRESH WATER

Plug #4, Cliff House top: M&P 15 sxs, w 1% cal, 15.6# class G cmt from 3786' to 3584' TOC.	3,584	15.60	17.70	5.20	3.2	1.9
Plug #5, Chacra top: M&P 12 sxs, 15.6# class G cmt from 3078' to 2916' TOC.	2,916	15.60	14.16	5.20	2.5	1.5
Plug #6, Fruitland & PC tops: M&P 27 sxs, 15.6# class G cmt from 2207' to 1842' TOC.	1842	15.60	31.86	5.20	5.7	3.3
Plug #7, Kirtland & Ojo Alamo tops: M&P 33 sxs, 15.6# class G cmt from 1563' to 1117' TOC.	1117	15.60	38.94	5.20	6.9	4.1

AVAILABLE MIX WATER: 30.0 BBLs	AVAILABLE DISPLACEMENT WATER: 210.0 BBLs	TOTAL MIX WATER: 10.8
--------------------------------	--	-----------------------

HOLE		TBG.-CSG.-D.P.				TBG.-CSG.-D.P.				COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	SIZE	WEIGHT	TYPE	DEPTH	SIZE	WEIGHT	TYPE	DEPTH	SHOE	FLOAT	STAGE
10 1/2	100	270	8 5/8	24.00	J-55	270	2 3/8	4.70	N/A	6,595	0	0	0

LAST CASING		PKR-CMT RET-BR PL-LINER		PERF DEPTHS		TOP CONNECTION		WELLBORE FLUID			
SIZE	WEIGHT	TYPE	DEPTH	BRAND & TYPE	DEPTH	TOP	BOTTOM	SIZE	THREAD	TYPE	WEIGHT
4 1/2	11.60	J-55	6,754	N/A	N/A	6,567	6,622	2 3/8	8 ROUND	PRODUCED WATER	8.30

CALCULATED DISPLACEMENT VOLUME: BBL		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG. PSI	MAX CASING PSI	DISPLACEMENT FLUID		WATER				
TUBING	CASING	CASING	TOTAL	BUMP PLUG	TO REVERSE	SQ. PSI	RATED	OP	RATED	OP	TYPE	WEIGHT	SOURCE
				0	0	500 PSI	0	0	0	0	FRESH WATER	8.30	WATER WELL

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CASING, ETC., PRIOR TO CEMENTING:

PUMP DETAILS:						DAILY SUMMARY:						
TIME	PRESSURE - PSI		RATE	BBL FLUID	FLUID	SAFETY MEETING:		CREW	CO. REP			
HR: MIN:	PIPE	ANNULUS	BPM:	PUMPED:	TYPE:	TEST LINES:		0	PSI			
						CIRCULATING WELL RIG:		WPS				

5:30	-	-	-	-	-	Travel to loc.					
7:00	-	-	-	-	-	Service and start rig and equip, fill out JSA, held safety mtg.					
7:15	-	-	-	-	-	Check PSI on Well, 0 psi tbg,csq and BH.					
7:30						TIH tag plug #3 @ 4527' tag good.					
7:45						Attempt to pressure test casing (NO TEST).					
8:00						LD 25 jts, EOT @ 3786'.					
8:15	-	-	-	-	-	Plug #4, Cliff House top: M&P 15 sxs, w 1% cal, 15.6# class G cmt from 3786' to 3584' TOC.					
8:30	-	-	-	-	-	WOC, LD 10 jts, reverse out w 16 bbls fresh, 1/2 bbl cmt returned.					
13:30						PU 4 jts, tag TOC @ 3560'					
13:45	-	-	-	-	-	Pressure test csq @ 540psi (GOOD TEST).					
14:15						LD 13 jts EOT @ 3078'.					
14:30						Plug #5, Chacra top: M&P 12 sxs, 15.6# class G cmt from 3078' to 2916' TOC.					
15:00						LD 28 jts, EOT @ 2207'.					
15:15						Plug #6, Fruitland & PC tops: M&P 27 sxs, 15.6# class G cmt from 2207' to 1842' TOC.					
15:30						LD 20 jts, EOT @ 1563'.					
15:45						Roll the hole w 21 bbls of fresh.					
16:00						Plug #7, Kirtland & Ojo Alamo tops: M&P 33 sxs, 15.6# class G cmt from 1563' to 1117' TOC.					
16:15						LD all tubing.					
16:45						Secure well, SDFD.					
17:00						Travel to hotel.					

BLM REP ON LOC, MARK DECKER

BUMPED PLUG:	PSI TO BUMP PLUG:	TEST FLOAT EQUIPMENT:	TOTAL BBL. PUMPED:	BBL CMT. RETURNS/ REVERSED:	PSI LEFT ON CSG.:	SPOT TOP CEMENT:	AZTEC WELL SERVICING CO REP.:	MICHEL CRANE
N/A	N/A	N/A	0.0	1.5	0	1163'	CUSTOMER REP.:	JOEY ROBINSON
							CUSTOMER REP. SIGNATURE:	
							CUSTOMER AUTHORIZING AGENT	

[illegible]

Cross Timbers Energy, LLC

Well: Miles Federal #002 - AS PLUGGED WBD			Field: Basin Dakota			Date: 06/18/2020		
Loc: 950' FSL & 1480' FWL			T26N-R7W-S5					
County: Rio Arriba			State: New Mexico					
API# 30-039-06533			Size, in	Wgt, lb/ft	Grade	Hole Size	Depth	Cmt - SX
KB: 6188'		Surf. Csg:	8-5/8	24#	J-55	12-1/4"	270	140 sx Class C to Surf
GL: 6175'								
SPUD: June 14, 1965		Prod Csg:	4-1/2	10.5-11.6#	J-55	7-7/8	6754	400 sx
COMPLETION: July 13, 1965								
MTD: 6754'		PBTD: 6750'	CURRENT STATUS: P&A					

Surface Casing
8-5/8 @
270 ft
cmt 275 to surf.

Production
Casing
4-1/2 @
6754 ft
Cmt w/ 1600 sx
w/ 67 sx excess to surf

Perfs
6567' - 6622'

PBTD: 6750'
MTD: 6754'

[illegible]