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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

Form C-101
Revised July 18, 2013

☐ AMENDED REPORT

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

1. Operator Name and Address	2. OGRID Number
Grand Banks Energy Company 10 Desta Dr., Suite 300E, Midland, TX 79705	155471
	3. API Number 30-025-28952

4. Property Code	5. Property Name	6. Well No.
019372	Anderson Ranch Unit	19

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
L	11	16S	39E		2080	South	660	West	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

9. Pool Information

Pool Name	Pool Code
~~Anderson Ranch San Andres~~ WC-025 G-01 S163211L; SAN ANDRES	98178

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
P	O	R	S	4308
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
No	5895	San Andres		1-15-16

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
Surface		13 3/8	48 #	530	400	Surface
Int.		9 5/8	40 #	4189	2475	Surface
Prod		5 1/2	17 #	10499	2600	DV tool @ 7476'
Liner		4 1/2	12.6 #	8875-11645	730	

Casing/Cement Program: Additional Comments

Please See Attached - for Plug back plan

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. **I further certify that I have complied with 19.15.14.9 (A) NMAC and/or 19.15.14.9 (B) NMAC ☐, if applicable.**	OIL CONSERVATION DIVISION
Signature: Denise Jones	Approved By:
Printed name: Denise Jones	Title: Petroleum Engineer
Title: Regulatory Analyst	Approved Date: 01/11/16 Expiration Date: 01/11/18
E-mail Address: djones@cambrianmgmt.com	
Date: 1-4-16 Phone: 432-690-9181	Conditions of Approval:

E-PERMITTING - - New Well_____
Comp_____ P&A_____ TA_____
CSNG_____ Loc Chng_____
ReComp_____ Add New Well_____
Cancl Well_____ Create Pool_____

JAN 11 2016

INT TO P&A

Prior to rigging up install and test rig anchors
Inspect location for any areas requiring additional dirt work
Hold daily pre job safety meetings

Part 1

1) RU wireline JB and Gring for 4 ½ 12.6 lb/ft liner. TIH to 9400'
2) PU JB and Gring for 5 ½ 17 lb/ft casing. TIH to 8850'
3) PU CIBP for 4 ½ 12.6 lb/ft CIBP to 9200 and set
4) PU 3 1/8" Dump Bailer. TIH Dump 3 sx on CIBP
5) Rig down wireline and mast truck
6) MIRU pulling unit
7) PU 2 3/8" work string and RIH to 8825' +/-
8) Rig up cementers
9) Spot a balance plug utilizing ~~15~~ 25 sx of cement at 8825'
10) Move tubing up the hole to 7600' +/-
11) Spot a balance plug utilizing ~~15~~ 25 sx of cement at 7600'
12) Move tubing up the hole to 5800' +/-
13) Spot a balance plug utilizing ~~15~~ 25 sx of cement at 5800'
14) Pull out of the hole with tbg and rig down cementers
15) RU wireline
16) PU CIT tool. TIH log 5000'-surf
17) PU CBL Tool TIH log 5000'- surf w/1000 PSI
18) Pressure test casing to 3500 PSI (5 ½ 17# K55 @70% is 3710) PMAX 3500

Part 2

19) MIRU Wireline PU perf guns perf 4 JSPF (this warrants further discussion)

4522-28	24 holes
4644-50	24 holes
4657-74	68 holes
4694-4704	40 holes
4724-30	24 holes
4742-47	20 holes
	200 holes

20) PU Wireline set retrievable PKR for 5 ½ 17 # w/4' perf sub, 2.25 F-Nipple, 4'perf sub, wBP
21) Install Pressure bomb in FNipple
22) TIH to 4775' and set Packer.
23) Pump D-Fit (Do we want to tag frac to evaluate what zone fracked on D-Fit and log it)

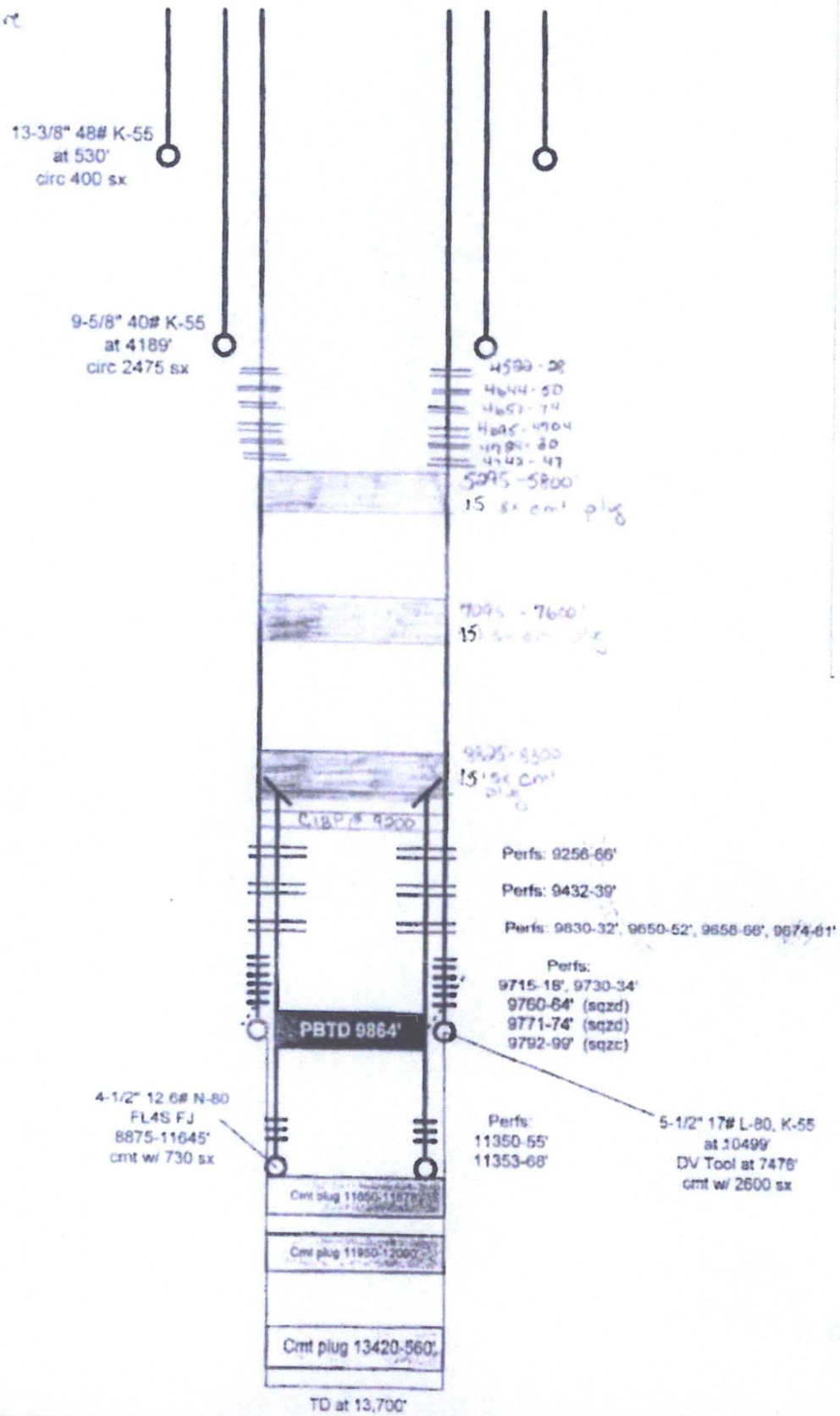
Part 3 Shut down 3 days

24) MIRU 7 Frac tanks Load w/fresh water w/ biocide
25) MIRU WSU ND wellhead NU BOP
26) PU 2 7/8 tubing
27) TIH retrieve PKR
28) POOH LD Tubing
29) RDMO WSU
30) RU Frac head and frac cross(Goat head)
31) Frac as per Weatherford recommendation
32) Shut in 7-10 days for degradation of TBlockSure. Install BPU
33) Flow back if necessary to dead

Part 4

34) MIRU WSU
35) ND Frac valve, NU BOP
36) PU 4 ¾ Bit PU Production string. TIH to PBTD circulate clean(~5000')
37) POOH
38) PU Pkr TIH Set PKR @ 4400' Swab for content and fluid entry
39) Rel PKR POOH LD PKR
40) PU PB gas separator w/slots, 4' perf sub, SN, 6 Jts, TAC, 2 7/8 J55 EUE tubing
41) PU 2.5 X 2 X 24' BNC Pump (-6-7 fit) zero clearance inserts, Hollow pull tube, PA style pump without rings w/4' plunger. Standard balls and seats w/11'X 1" dip tube
42) PU MCS, 9 1.5" C sinker bars and KD rods to be specified
43) TIH Space out, hang on, Long stroke for pump action.
44) Turn well over to Production

Wellbore Schematic
ARU #19



Cambrian
MANAGEMENT, LTD.

P.O. Box 272
Midland, Texas 79702
Off: 432-620-9181
Fax: 432-570-0102

ARU #19

12/14/2015

San Andres Recompletion

API# 30-025-28952
Section 11, T16S, R32E, UL L
N 32.924877, W -103.741455
Lea County, New Mexico

WELL DATA
AFE: XXXXXXXXX

TOTAL DEPTH: 13700' **PBTD:** 9864' **KB:** ****' **GL:** 3533'

CASING: 13 3/8" 48# @ 617';
9 5/8" 40# @4189' Cem Surf;
5 1/2" 17# L80 &K55 @10499' DV @7476 Cem w/2600 sx

Liner: 4 1/2"@ 8875'-11645' Cem 730 sx

ARU #19 is presently completed 9630'-9432'. This procedure will plug and abandon the wellbore from PBTD of 9864' to about 5000' as per NM OCD guidelines. Cased hole logs to evaluate the casing integrity and cement bond will be run to evaluate the suitability of the production casing to fracture stimulate. Intervals in the San Andres will be perforated and fracture stimulated from 4522-4747. After stimulation, the flow will be evaluated and artificial lift equipment will be installed. The attached procedure will have several place holders that will be evaluated at the proper time for possible changes.

Andy Rickard 432-553-2828