Submit To Appropriate District Office
Two Copies
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

HOBBS OCD
MAR 09 2017
RECEIVED

Form C-105
Revised August 1, 2011

1. WELL API NO. 30-025-36529
2. Type of Lease ☐ STATE ☒ FEE ☐ FED/INDIAN
3. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing:

☒ **COMPLETION REPORT** (Fill in boxes #1 through #31 for State and Fee wells only)

☐ **C-144 CLOSURE ATTACHMENT** (Fill in boxes #1 through #9, #15 Date Rig Released and #32 and/or #33; attach this and the plat to the C-144 closure report in accordance with 19.15.17.13.K NMAC)

5. Lease Name or Unit Agreement Name: COOPER 8
6. Well Number: 2

7. Type of Completion: ☐ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR ☒ OTHER RE-ENTRY

8. Name of Operator: J. COOPER ENTERPRISES, INC.
9. OGRID: 244835
10. Address of Operator: BOX 55, MONUMENT, NM 88265
11. Pool name or Wildcat: MONUMENT - SAN ANDRES

12. Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	H	8	20S	37E		1,850	NORTH	630	EAST	LEA
BH:	H	8	20S	37E		1,850	NORTH	630	EAST	LEA

13. Date Spudded	14. Date T.D. Reached	15. Date Rig Released	16. Date Completed (Ready to Produce)	17. Elevations (DF and RKB, RT, GR, etc.)
2/2/17	2/9/17	2/21/17	3/6/17	3,550' GL

18. Total Measured Depth of Well	19. Plug Back Measured Depth	20. Was Directional Survey Made?	21. Type Electric and Other Logs Run
7,500'	4,990'	NO	NONE

22. Producing Interval(s), of this completion - Top, Bottom, Name: 4,364 - 4,799' LOWER SAN ANDRES

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24	1,135'	12-1/4"	520 SX	NONE
5-1/2"	17	7,500'	7-7/8"	2,080 SX	NONE

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
3-1/2"	4,335.77'	4,338.62'

26. Perforation record (interval, size, and number)
4,364 - 72', 4,377 - 89', 4,408 - 28', 4,334 - 41', 4,459 - 84', 4,490 - 4,508', 4,516 - 23', 4,529 - 43', 4,562 - 90', 4,598 - 4,614', 4,632 - 62', 4,706 - 38', & 4,786 - 99' 2 SPF, 0.45" DIA

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4,364 - 4,543'	4,000 GALS 15% NEFE
4,562 - 4,662'	3,750 GALS 15% NEFE
4,706 - 4,799'	2,500 GALS 15% NEFE

28. PRODUCTION

Date First Production	Production Method *(Flowing, gas lift, pumping - Size and type pump)*	Well Status *(Prod. or Shut-in)*
3/6/17	INJECTION VIA 3-1/2" IPC TUBING	INJECTION

Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl	Gas - MCF	Water - Bbl.	Gas - Oil Ratio

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - *(Corr.)*

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*
30. Test Witnessed By

31. List Attachments: WELLBORE DIAGRAM & RE-ENTRY DETAILS

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit. NONE - CLOSED SYSTEM

33. If an on-site burial was used at the well, report the exact location of the on-site burial: NONE
Latitude Longitude NAD 1927 1983

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature  Printed Name Michael Stewart Title Agent Date 3/6/17

E-mail Address mstewart@helmsoil.com

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well and not later than 60 days after completion of closure. When submitted as a completion report, this shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 11, 12 and 26-31 shall be reported for each zone.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy 1,096	T. Canyon	T. Ojo Alamo	T. Penn A"
T. Salt 1,174	T. Strawn	T. Kirtland	T. Penn. "B"
B. Salt 2,372	T. Atoka	T. Fruitland	T. Penn. "C"
T. Yates 2,516	T. Miss	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers 2,777	T. Devonian	T. Cliff House	T. Leadville
T. Queen 3,193	T. Silurian	T. Menefee	T. Madison
T. Grayburg 3,484	T. Montoya	T. Point Lookout	T. Elbert
T. San Andres 3,761	T. Simpson	T. Mancos	T. McCracken
T. Glorieta 5,129	T. McKee	T. Gallup	T. Ignacio Otzte
T. Paddock	T. Ellenburger	Base Greenhorn	T.Granite
T. Blinebry 5,625	T. Gr. Wash	T. Dakota	
T.Tubb 6,404	T. Delaware Sand	T. Morrison	
T. Drinkard 6,558	T. Bone Springs	T.Todilto	
T. Abo 6,982	T.	T. Entrada	
T. Wolfcamp	T.	T. Wingate	
T. Penn	T.	T. Chinle	
T. Cisco (Bough C)	T.	T. Permian	

OIL OR GAS SANDS OR ZONES

No. 1, from.....to..... No. 3, from.....to.....
No. 2, from.....to..... No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.
No. 1, from.....to.....feet.....
No. 2, from.....to.....feet.....
No. 3, from.....to.....feet.....

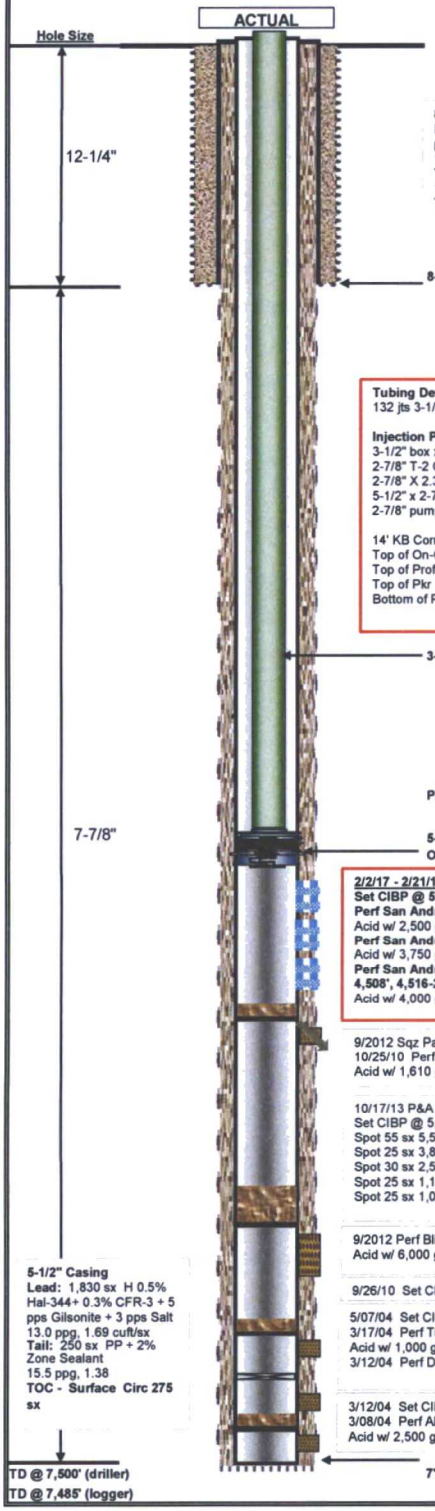
LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology		From	To	Thickness In Feet	Lithology

J. Cooper Enterprises, Inc
Actual Completed Wellbore Diagram

WELL NAME:	Cooper 8 #2			FIELD:	Monument - San Andres		
LOCATION:	1850' FNL & 630' FEL, Sec 8, T20S, R37E, Unit H			COUNTY:	Lea	STATE:	NM
ELEVATION:	GL = 3,550'; KB = 3,567.5 (17.5' KB)	Lat.: N 32°35'23" Lat.: W 103°16'00" NAD		SPUD DATE:	2/4/2004	COMP DATE:	4/26/2004
				P&A DATE:	10/20/2013	RE-ENTRY DATE:	2/2/2017
API#	42-025-36529	27 NM E Zone		PREPARED BY:	M Stewart		

	DEPTH	HOLE SIZE	SIZE	WEIGHT	GRADE	THREAD	CEMENT / TOC
CASING:	1,135	12-1/4"	8-5/8"	24 #/ft	J-55	ST&C	320 sx lead, 200 sx tail. Circ 140 sx to Surface
CASING:	7,500	7-7/8"	5-1/2"	17 #/ft	N-80	LT&C	1,830 sx lead, 250 sx tail. Circ 275 sx to Surface
CASING:							
TUBING:	4,336		3-1/2"	9.3 #ft	J-55 IPC	8rd EUE	



J. Cooper Enterprises
DAILY OPERATIONS REPORT
Cooper 8 #2 SWD

January 30, 2017 Monday (Day 1)

Meet w/ Michael Evans on location. Found 8-5/8" csg stub ± 3' below surface. 1' of csg is exposed above cement that was poured in the bottom of the old cellar. Reviewed procedures to check pressure under plugging cap & to build 8-5/8" & 5-1/2" csg strings to surface. PU 5-1/2" x 3-1/2" Fig 92 tbg head to deliver to Tommy White for redress. SD. CMIC- D. Stewart.
Note: New Mexico time.

January 31, 2017 Tuesday (Day 2)

Travel from base to Tommy White Wellhead. Deliver 5-1/2" x 3-1/2" Fig 92 WH to be redressed. PU new 8-5/8" x 5-1/2" Fig 92 WH + 8-5/8" Slip X Thread Collar. Travel to location. On location w/ M. Evans & Walden Welding. Welded 2" nipple & NU 2" valve onto 8-5/8" plugging cap. Drilled 1/4" hole through cap & found no pressure. Cut plugging cap off 8-5/8" csg & found 5-1/2" csg at surface inside of 8-5/8". Cut 8-5/8" csg back to expose 5-1/2". Dressed & welded on a Slip X Thread collar onto 5-1/2" csg stub. PU & MU a piece of 5-1/2", 17#, N-80 csg w/ threaded end onto collar, bringing 5-1/2" csg to above ground level. Dressed off 8-5/8" csg stub. Measured & cut a piece of 8-5/8" csg & placed it over the 5-1/2" csg. Butt welded the 8-5/8" csg pieces together, bringing it to the appropriate height. Welded on an 8-5/8" Slip X Thread collar & NU the 8-5/8" x 5-1/2" Fig 92 csg head. Set slips & packing around the 5-1/2" csg inside the 8-5/8" csg head. Hammered up the 8-5/8" capping flange packing off the 5-1/2" csg. Cut & dressed 5-1/2" csg above 8-5/8" csg head & welded on 5-1/2" bell nipple. SD. CMIC- D. Stewart.
Note: M. Evans cut & placed tin horn around WH. Backfilled tin horn & back drug location.

February 2, 2017 Thursday (Day 3)

APSI Rig 805 on location. TFH Rentals delivered 3K BOP w/ 2-7/8" rams + flange adaptor & rig mat. Crew changed clothes, HSM & JSA. MIRU WSU. Energy F&R on location w/ reverse unit, spot & RU reverse unit. TFH delivered 100 bbls FW for reverse unit pit. D. Stewart delivered 5-1/2" x 3-1/2" Fig 92 tbg head. MU tbg head on 5-1/2" bell nipple. NU BOP w/ adaptor flange. NU stripper head, RU floor & tbg tools. Strap & caliper BHA & tally 2-7/8" WS. PU & RU swivel. PU 1 jt 2-7/8" tbg w/ swivel, stab BIW rubber & MU 4-3/4" MT bit. RIH w/ bit on 2-7/8" tbg & tag TOC Plug #1 @ 3' below surface. Began drilling cement pumping conventional @ 1.5 BPM. Made 1' in 1/2 hr. Returns are soft cement turning into harder chunks of cement. POOH & LD the 2-7/8" tbg & bit. PU on (1) 3-1/8" DC + 4-3/4" MT bit & RIH on the swivel. Drilled cement from 3' to 94' (91' @ 30.3 ft/hr). POOH & LD swivel + 3 DC's. SWI w/ BOP blinds. Secure well & clean location, SDON. CMIC- D. Stewart.

February 3, 2017 Friday (Day 4)

APSI Rig 805 on location. Crew changed clothes, HSM & JSA. Energy F&R on location w/ reverse unit, PU on (4) 3-1/8" DC's + 4-3/4" MT bit & RIH on the swivel to TOC (94'). RU swivel. Lines were frozen, let swivel run to warm up. Ordered bull plug + gauge to test csg. Began drilling cement pumping conventional @ 1.5 BPM. Made 1' in 1/2 hr. Drilling hard cement. Reverse Unit froze up again. Stopped drilling to fix problem. Back to drilling. Really hard cement. Making <1' in 1/2 hr. PU (5) DC's & RIH to 130' continue drilling hard cement. Pumping conventional @ 1.5 BPM. PU 6 jts 2-7/8" tbg, RIH to TOC @ 165' & continue drilling hard cement. Drill 3.5', switch rubbers to 2-7/8" rubber. PU 7 jts 2-7/8" tbg, RIH to TOC @ 190' & continue drilling soft cement. Bit fell through Plug #1 @ 205'. PU 8 jts of tbg & clean out to 250'. POOH & stand back (5) DC's + 4 jts 2-7/8" tbg. **Prepare to pressure test csg to 1,000#, csg pressure tested OK**. RIH w/ (6) DC's + 24 jts 2-7/8" tbg to TOC @ 974'. SI BOP, RD swivel. Secure well & clean location, SDFWE. CMIC- R. Robbins.

February 6, 2017 Monday (Day 5)

APSI Rig 805 on location. Crew changed clothes, HSM & JSA. Energy F&R on location w/ reverse unit, PU on 2-7/8" jt of tbg open BOP. Begin drilling Plug #2 @ 985' w/ (6) DC's + 25 jts, pumping 1.5 BPM, drilling soft cement, 1' per 15 min. (Short 1 hand on crew, replacement on his way.) PU 26 jts 2-7/8" tbg, continue drilling @ 1,018'. Drilling soft cement. PU 27 jts 2-7/8" tbg, continue drilling @ 1,051'. Drilling soft cement. Metal shavings in the returns. Drilling slowed. Circulate hole clean. PU 28 jts 2-7/8" tbg, continue drilling @ 1,084'. Drilling slowed, torqueing on bit hard, large pieces of metal in returns. POOH to check bit. RD swivel, RU tongs. POOH w/ 28 jts 2-7/8" tbg + (6) DC's, standing back. Bit is missing cone. Get magnet & basket ready to fish tomorrow morning. SDFN. CMIC- R. Robbins.

J. Cooper Enterprises
DAILY OPERATIONS REPORT
Cooper 8 #2 SWD

February 7, 2017 Tuesday (Day 6)

APSI Rig 805 on location. Crew changed clothes, HSM & JSA. Energy F&R on location w/ reverse unit, RU magnet & basket, RIH on (3) DC's + 28 jts 2-7/8" WS, fish cone. Reverse circulate for 15 mins. POOH w/ basket & magnet. Retrieved pieces of cone. RIH w/ magnet & basket to continue cleaning hole. Reverse circulate for 20 mins. POOH w/ basket & magnet. Retrieved main cone housing. RU on 4-3/4" MT bit & basket. RIH to TOC. RU swivel & begin drilling. Reverse circulate, drill again to check for drilling response. Torqueing up still, pressure test csg to 1,000#- tested OK. POOH w/ 4-3/4" MT bit & basket. BOP malfunction. Repair BOP. POOH w/ 4-3/4" MT bit & basket. Bit had minor scaring. RIH w/ magnet & basket to fish junk. Reverse circulate, SD FL. POOH w/ magnet & basket- nothing on magnet or in basket. Ordered impression block. RD basket & bit. RU impression block. RIH w/ block, tag bottom @ 1,085', POOH w/ block. Standing back pipe & DC's. RD Impression block. Secure well & clean location, SDFN. CMIC- R. Robbins.

February 8, 2017 Wednesday (Day 7)

APSI Rig 805 on location. Crew changed clothes, HSM & JSA. Energy F&R & fisherman on location w/ reverse unit. RU & RIH rotary shoe + 1 jt of wash pipe + (6) DC's + 24 jts WS to cut over OD of junk. Shoe on TOC @ 1,085'. RU swivel. Begin drilling- hard cement, metal & rubber returns, making 1' every 15 mins. Small slivers of metal & cement in returns. Making 1' every 15 mins. Cement returns, PU 1 jt 2-7/8" tbg. Continue drilling. Bottom out on wash pipe. POOH. Found cement & cone in wash pipe. PU 4-3/4" MT bit. RIH w/ (6) DC's + 29 jts 2-7/8" tbg to TOC. Tag TOC @ 1,117', resume drilling w/ MT bit. Pumping 1.5 bpm. PU 30 jts 2-7/8" tbg, RIH to TOC @ 1,150'. Continue drilling hard cement. PU 31 jts 2-7/8" tbg, RIH to TOC @ 1,182'. Continue drilling cement. PU 32 jts 2-7/8" tbg, RIH to TOC @ 1,204'. Fell through Plug #2 @ 1,250'. RIH w/ 57 jts tbg to TOC @ 2,050'. Circulate clean. **RU pressure test casing to 1,000#- tested OK**. Secure well & well location, SDFN. CMIC- R. Robbins.

February 9, 2017 Thursday (Day 8)

APSI Rig 805 on location. Crew changed clothes, HSM & JSA. PU swivel, start drilling cement Plug #3 @ 2,050' w/ 57 jts in hole. PU 58 jts 2-7/8" tbg, continue drilling cement @ 2,061'. Making 3' min. PU 59 jts 2-7/8" tbg, continue drilling cement @ 2,094'. Making 1' min. PU 60 jts 2-7/8" tbg, continue drilling cement @ 2,127'. PU 61 jts 2-7/8" tbg, continue drilling cement @ 2,158'. PU 62 jts 2-7/8" tbg, continue drilling cement @ 2,190'. PU 63 jts 2-7/8" tbg, continue drilling cement @ 2,223'. PU 64 jts 2-7/8" tbg, continue drilling cement @ 2,256'. PU 65 jts 2-7/8" tbg, continue drilling cement @ 2,288'. Fell through cement Plug #3 at 2,290'. PU 66 jts 2-7/8" tbg, check for cement. RIH w/ 110 jts tbg to tag TOC of Plug #4 @ 3,740'. **Pressure test casing to 1000# - OK.** RU swivel & circulate. Start drilling cement Plug #4 at 3,740'. PU 111 jts 2-7/8" tbg, continue drilling cement @ 3,783'. PU 112 jts 2-7/8" tbg, continue drilling cement @ 3,815'. PU 113 jts 2-7/8" tbg, continue drilling cement @ 3,849'. Fell through Plug #4 at 3,855'. Circulate, RIH w/ 157 jts to tag top of cement Plug #5 @ 5,303'. TFH Vac Truck on location. Circulate w/ 130 bbls FW. Finished circulating clean. RD swivel, start standing back WS. Dispose of circulated fluid. Stood back WS, left 1 jt + (6) DC's in hole. Secure well & clean location, SDFN. CMIC- R. Robbins.

February 10, 2017 Friday (Day 9)

APSI Rig 805 on location. Crew changed clothes, HSM & JSA. LD (6) DC's, order vac truck to clean reverse unit pit. Capitan WL on location. Finish LD DC's. Order pump truck from Stone Oil Field. Change rams on BOP after pulling jts w/ BOP closed. RU WL. Vac truck & pump truck on location. Clean reverse unit pit. RIH w/ GR on WL. Log from 5,050' - 4,000'. **Set CIBP @ 5,050'**, POOH w/ GR. RD GR. Finish cleaning reverse pit. RU pump truck on well head to test CIBP to 1,000#. Pump truck broke down. Stone Mechanic on location to fix pump truck. Pump truck still broken. Release vac truck & pump truck. RU perf guns, RIH **perf Lwr San Andres from 4,706' - 4,738', 2 SPF.** POOH, all shots fired. Pkr hand on location. RD run 1 perf gun, RU run 2nd perf gun, RIH **perf Lwr San Andres from 4,632' - 4,662', 2 SPF.** POOH, all shots fired. RD run 2 perf gun, RU run 3rd perf gun, RIH perf from 4,786' - 4,799', 2 SPF. PUH, **perf Lwr San Andres from 4,598' - 4,614', 2 SPF**. POOH, all shots fired. RD run 3 perf gun, RU run 4th perf gun, RIH **perf Lwr San Andres from 4,562' - 4,590', 2 SPF.** POOH, all shots fired. RD perf gun, RU dump bailer, RIH to 5,050', **dump 3 sx (30') cement on top of CIBP set @ 5,050'.** POOH. RD dump bailer, PU dump bailer, RIH to 5,020', **dump additional 3 sx (30') cement on top of prior bailer run**, POOH. RD WL, release WL. PU Pkr w/ SN, RIH. RU tbg tester, test WS as we RIH. RIH w/ 136 jts to 4,427'. Secure well & clean location, SDFN. CMIC- R. Robbins.

J. Cooper Enterprises
DAILY OPERATIONS REPORT
Cooper 8 #2 SWD

February 13, 2017 Monday (Day 10)

APSI Rig 805 on location. Crew changed clothes, HSM & JSA. Wade Co. Acid crew on location. RU acid pump to well & flowback tank. TFH vac trucks on location. **RIH w/ to 4,950', pressure test CIBP & cement to 1,000#- test OK**. PUH to 4,821' spot 120 gals 15% NEFE from 4,821'-4,698'. PUH to 4,689', RU pump on 5-1/2" x 2-7/8". Reverse acid into tbg w/ 2 bbls FW. Set Pkr. Fill annulus to monitor communication. **RU Acidizers on tbg & perform Stage 1 acid job on Lwr San Andres perfs 4,706' – 4,799' w/ total 2,500 gals 15% NEFE in 2 equal stages dropping 75 BS in each stage and pumping 1,000# GRS in 30 bbls BW between stages .** Good salt action never balled out completely. Max psi = 3,500#, Avg pump rate = 4.5 bpm, Rate on water = 4.2 bpm, Rate on acid = 4.7 bpm, Avg treating pressure = 1,806 psi. Wait for 1 hr. RIH to 4,946' to knock balls off. POOH w/ Pkr standing back 2-7/8" WS. PU 5-1/2" RBP w/ ball catcher + 5-1/2" x 2-7/8" treating Pkr & RIH w/ 136 jts 2-7/8" WS to 4,437'. Secure well & clean location, SDFN. CMIC- R. Robbins.

February 14, 2017 Tuesday (Day 11)

APSI Rig 805 on location. Crew changed clothes, HSM & JSA. Wade Co. Acid crew on location. RU acid pump to well & flowback tank. TFH vac trucks on location. RIH w/ RBP + ball catcher + treating Pkr to 4,684' (144 jts). Set RBP @ 4,684', PUH to 4,656', set Pkr, test RBP to 1,000#- did not test. Reset Pkr & test again- tested OK. Set RBP; release Pkr & PUH to 4,656'. Spot 300 gals of acid from 4,656'-4,349'. Flush w/ 25.5 bbls FW. PUH w/ Pkr to 4,203'. Set Pkr. Load back side to 500#- did not hold pressure. Unset & reset Pkr. Test again. BOP leaking, tighten BOP & test again- did not test. TIW valve was leaking, fix leak, test again- tested OK. Start stage 2 acid job perfs 4,562'-4,662'. Establish rate w/ FW, pump 950 gals 15% NEFE, drop 50 balls & salt. Pump additional 1,250 gals 15% NEFE acid, drop 75 balls & salt. Pump additional 1,250 gals 15% NEFE acid, drop 75 balls & flush w/ 45 bbls FW. No ball action. Responded better to salt. **Acidize Lwr San Andres perfs 4,562' – 4,662' w/ total 3,750 gals 15% NEFE in 3 equal stages dropping total of 200 BS and pumping 1,500# GRS in 30 bbls BW between stages.** Max psi = 100, Avg rate = 4.8, Avg pressure = 50, 5 min ISIP = 0. WO acid. RD Wade Co. acid company. Release vac trucks. Release Wade Co. Release Pkr. RIH w/ 14 jts, work to latch onto RBP, had signs RBP released, POOH w/ RBP + ball catcher + treating Pkr standing back 2-7/8" WS. POOH, did not latch onto RBP, RIH to try & latch onto RBP. PUH to get retrieving head above perfs. Line up PT for tomorrow. Secure well & clean location, SDFN. CMIC- R. Robbins.

February 15, 2017 Wednesday (Day 12)

APSI Rig 805 on location. Crew changed clothes, HSM & JSA. RIH w/ 2 stands of 2-7/8" WS, tag RBP, RU pump truck on tbg. Pump down tbg & attempt to latch onto RBP. Latch onto RBP, POOH standing back 2-7/8" WS. Capitan Wireline on location. POOH w/ RBP + ball catcher. RU WL truck. PU guns. RIH. Shoot perfs, POOH. Guns did not go off. Primer cord went off, did not fire guns. RIH w/ guns. Shoot perfs, POOH. Guns did not go off. Primer cord went off, did not fire guns. RIH w/ guns. Shoot perfs, POOH. Guns did not go off. Primer cord went off, did not fire guns. RIH w/ guns. (Different set of perfs) **Shot Lwr San Andres perfs 4,459' – 4,484' w/ 2 SPF**. POOH, all shots fired. RIH w/ guns. **Shot Lwr San Andres perfs 4,516' – 4,523' & 4,434' – 4,441' w/ 2 SPF**. POOH, all shots fired. Release pump truck. RIH w/ guns. **Shot Lwr San Andres perfs 4,525' – 4,547' w/ 2 SPF**. POOH, all shots fired. RIH w/ guns. **Shot Lwr San Andres perfs 4,408' – 4,428' w/ 2 SPF**. POOH, all shots fired. RIH w/ guns. **Shot Lwr San Andres perfs 4,377' – 4,389' & 4,364' – 4,372' w/ 2 SPF**. POOH, all shots fired. PU RBP + treating Pkr. RIH w/ 132 jts 2-7/8" WS to 4,300'. Secure well & clean location, SDFN. CMIC- R. Robbins.

February 16, 2017 Thursday (Day 13)

APSI Rig 805 on location. Crew changed clothes, HSM & JSA. Wade Co. acid crew, (2) TFH vac trucks on location. RU acid crew. RIH w/ RBP & Pkr (140 jts) to 4,557', set RBP @ 4,557'. PUH set treating Pkr, load & test RBP to 1,000#- test OK. PUH to 4,543', spot 300 gals acid. Flush. PUH to 4,203', reverse acid into tbg w/ 2 bbls FW. Set Pkr @ 4,203', load annulus to 500 psi. Start acid job. Pump 700 gals + 30 bbls BW & 1,500# GRS. Pump additional 1,000 gals + 30 bbls BW & 2,000# GRS. Pump additional 1,000 gals + 30 bbls BW & 2,000# GRS. Pump additional 1,000 gals, flush w/ 45 bbls FW. **Acidize Lwr San Andres perfs 4,364' – 4,543' w/ total 3,000 gals 15% NEFE in 3 equal stages pumping total of 5,500# GRS between stages (1,500#, 2,000# & 2,000#) in 30 bbls BW between stages.** ISIP = 358#, 10 seconds went on vac. RIH w/ 8 jts & tag 64' high. RU pump & attempt to wash down to RBP, washing down 1' every 3 mins. POOH to LD Pkr & avoid getting Pkr stuck down hole while washing down. RIH w/ retrieving head to 4,557' to latch on to RBP. RU pump to wash down to RBP. Pumping @ 3 bpm. Release flow back tank. Latch onto RBP, unset RBP, POOH standing up. Release acid pump. POOH w/ RBP. Secure well & clean location, SDFN. CMIC- R. Robbins.

J. Cooper Enterprises
DAILY OPERATIONS REPORT
Cooper 8 #2 SWD

February 17, 2017 Friday (Day 14)

APSI Rig 805 on location. Crew changed clothes, HSM & JSA. RIH w/ WS. Ordered forklift/ pipe trailer from TFH + laydown machine from Longhorn. POOH LD. TFH forklift on location. Move pipe racks & tbg. Move forklift & pipe truck to go PU 3-1/2" tbg. Continue to LD WS. Finish LD WS. Forklift/ pipe truck return w/ 3-1/2" tbg. Move catwalk, spot in PU machine, and move 3-1/2" tbg onto pipe racks. Clean 3-1/2" tbg threads w/ diesel & brushes, inspect for damage. Load WS onto TFH pipe trailer. Release forklift/ pipe trailer. Secure well & clean location, SDFWE. CMIC- R. Robbins.

February 20, 2017 Monday (Day 15)

APSI Rig 805 on location. Team Oil Pkr & Longhorn LD on location. Crew changed clothes, HSM & JSA. Move 17 jts 3-1/2" tbg w/ damaged coating off rack & tally tbg. Tuboscope pipe tech on location. Pipe tech inspected tbg & found additional jt damaged on box end. RU pipe tech torque tools. MU BHA & RIH floor drifting as follows: POP + 5-1/2" x 2-7/8" Arrowset 1-X NP Pkr w/ IPC ID + 2-7/8" Type T-2 On/Off Tool w/ 2.31" SS "F" Profile + 2-7/8" x 3-1/2" SS XO + (18) 3-1/2", 9.3 ppf, J-55, 8rd, EUE IPC injection tbg. With 18 jts IH, we continue to find coating chipped on pin end. Pipe tech began inspecting pins on racks. Separate good tbg from damaged coating tbg & tally. Found 57 jts out of 147 jts w/ some coating damage. Continue to RIH w/ 3-1/2", 9.3 ppf, J-55, 8rd, EUE IPC injection tbg.

Tubing Detail:
132 jts 3-1/2", 9.3 #/ft., J-55, 8rd, EUE IPC injection tubing (4321.27')
Injection Pkr Detail:
3-1/2" box x 2-7/8" pin SS XO (0.50')
2-7/8" T-2 On-Off Tool (1.75')
2-7/8" X 2.31 SS "VX" profile nipple (1.10')
5-1/2" x 2-7/8" Arrowset 1-XS NP Injection packer (7.58')
2-7/8" pump-out plug set to 1800#

14' KB Correction (17.5' KB DF - 3.5' above GL)

Top of On-Off Tool	- 4335.77' KB
Top of Profile nipple	- 4337.52' KB
Top of Pkr	- 4338.62' KB
Bottom of Pkr	- 4346.20' KB

ND BOP, set Pkr w/ 20 pts compression, NU WH & tbg master valve. Secure well & clean location, SDON. CMIC- S. Larsson.

February 21, 2017 Tuesday (Day 16)

APSI Rig 805 on location. Team Oil Pkr & TFH VT on location. Crew changed clothes, HSM & JSA. MIRU VT to csg & load csg w/ FW. **MIRU HO to csg & test annulus/ Pkr to 780#'s, test = good. RU chart recorder & pressure up to 650#'s, run MIT test- 30 min test = good.** Get off Pkr w/ On/Off tool & PU, load HO w/ 28 gal of Pkr fluid w/ CI + 5 gal of biocide. RU VT to tbg & circulate 65 BFW w/ chemical mix. Latch on to Pkr & NU WH, pressure up on csg & **re-test to 675#'s- hold test for 15 min, test = good.** RD HO & VT. RDMO WSU. Secure well & clean location, SD. CMIC- S. Larsson. Travel from location to Oasis Pearl State.

March 6, 2017 Monday (Day 17)

On location w/ Mark Whitaker – NMOCD, Michael Owens – J. Cooper Ent & McClaskey PT. MIRU PT & chart recorder. Load 5-1/2" x 3-1/2" annulus & pressure up to 543 psi. Hold & chart pressure for 30 mins. Test good w/ no increase of decrease.. RU PT on tbg and pump out POP w/ 1,500 psi. RD PT. Well ready for injection. Travel to Oasis – Pearl St #2 well for MIT.