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

Amended 6/18/19

Form C-105
Revised April 3, 2017

1. WELL API NO.
30-025-45427

2. Type of Lease
X STATE ☐ FEE ☐ FED/INDIAN

3. State Oil & Gas Lease No.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

4. Reason for filing:

X **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
Sidewinder SWD

6. Well Number:
#1

7. Type of Completion:
☐ NEW WELL ☐ WORKOVER ☐ DEEPENING ☐ PLUGBACK ☐ DIFFERENT RESERVOIR X OTHER DEVONIAN INJECTION

8. Name of Operator
NGL Water Solutions,, LLC

9. OGRID
372338

10. Address of Operator
1509 Wall St., Suite 306, Midland, TX 79701

11. Pool name or Wildcat
SWD: Silurian/Devonian

12.Location	Unit Ltr	Section	Township	Range	Lot	Feet from the	N/S Line	Feet from the	E/W Line	County
Surface:	**O**	**15**	**25S**	**34E**		**1755**	**N**	**18**	**E**	**Lea**
BH:	**O**	**15**	**25S**	**34E**		**1726**	**N**	**52**	**W**	**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.)
1/31/2019	**3/29/2019**	**4/2/2019**	06/14/19	**3330 GR**

18. Total Measured Depth of Well	19. Plug Back Measured Depth	20. Was Directional Survey Made?	21. Type Electric and Other Logs Run
19,145'		**Y**	**Triple Combo, CBL, Gamma**

22. Producing Interval(s), of this completion - Top, Bottom, Name **17,368'-19,145' (Dev., Silurian, Fusselman, Montoya)**

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20	**106.5**	**975'**	**24**	**1135 sx**	**none**
13-3/8	**68**	**5,440'**	**17-1/2**	**3170 Sx (2 stg)**	**none**
9-5/8	**53.5**	**12,423'**	**12-1/4**	**3220 sx (3 stg)**	**none**

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN
7-5/8"	**11,988'**	**17,368'**	**253 sx**	

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
7"	**11,721'**	**-**
5-1/2"	**17,308'**	**17,308'**

26. Perforation record (interval, size, and number)
OPENHOLE

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
17,368'-19,145	**OPEN HOLE (NOT ACIDIZED)**

28. **PRODUCTION**

Date First Production	Production Method *(Flowing, gas lift, pumping - Size and type pump)*	Well Status *(Prod. or Shut-in)*
	Injection	**INJ; SWD**

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
C-103, Deviation, Logs, CBL's

32. If a temporary pit was used at the well, attach a plat with the location of the temporary pit.

33. Rig Release Date:

34. If an on-site burial was used at the well, report the exact location of the on-site burial:

Latitude Longitude NAD83

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 Sarah Jordan Printed Name Sarah Jordan Title Mgr Reg Comp Date 6/18/19

E-mail Address sarah.jordan@nglep.com

KZ

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.	848'	T. Canyon		T. Ojo Alamo	T. Penn A"
T. Salt		T. Strawn	13,862'	T. Kirtland	T. Penn. "B"
B. Salt		T. Atoka	14,180'	T. Fruitland	T. Penn. "C"
T. Yates		T. Miss	16,756'	T. Pictured Cliffs	T. Penn. "D"
T. 7 Rivers		T. Devonian	17,288'	T. Cliff House	T. Leadville
T. Queen		T. Silurian	18,186'	T. Menefee	T. Madison
T. Grayburg		T. Montoya	19,053'	T. Point Lookout	T. Elbert
T. San Andres		T. Simpson		T. Mancos	T. McCracken
T. Glorieta		T. McKee		T. Gallup	T. Ignacio Otzte
T. Paddock		T. Ellenburger		Base Greenhorn	T.Granite
T. Blinebry		T. Gr. Wash		T. Dakota	
T.Tubb		T. Delaware Sand		T. Morrison	
T. Drinkard		T. Bone Springs	9,279'	T.Todilto	
T. Abo		T. Morrow	15,005'	T. Entrada	
T. Wolfcamp	12,467'	T. Woodford	17,905'	T. Wingate	
T. Penn	13,813'	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

Sidewinder SWD

NGL Energy Partners LP

IPT

TUBULARS

STRING DETAILS (Size, WPF, Grade, Conn)	HOLE SIZE (in.)	O.D. (in.)	I.D. (in.)	HOLE DEPTH (ft)	SET DEPTH (ft)
20" 106.5# J-55 BTC	24	20.000	19.000	985'	975'
13.375" 68# HCL-80 BTC	17.5	13.375	12.415	5,450'	5,440'
9.625" 53.5# HCL-80 BTC	12.25	9.625	8.535	12,438'	12,423'
7.625" 39# HCP110 Liberty FJM	8.5	7.625	6.539	17,370'	17,368'
Open Hole Injection Interval	6.5	-	-	19,145'	-

WELL INFORMATION

RIG:	Frontier Rig 32
API #:	30-025-45427
COUNTY:	Lea
S/T/R:	Sec. 15 25S 34E
LATITUDE:	32.13294
LONGITUDE:	-103.449400
SPUD DATE:	1/31/2019
TD DATE:	3/29/2019

DIRECTIONS TO SITE

Directions to Site: From Jal, NM - Head West on NM-128 W/W Kansas Ave. Travel 13.8 miles and turn left (SW) onto Battle Axe Rd. Continue on Battle Axe Road for 5.5 miles. Location will be on the right (SE) side.
Lat/Long: 32.13294/-103.4494

STRING COMPONENTS

GL: 3330'
KB: 3362'

COMPONENT	O.D.	I.D.	TOP	Btm
20" Surface Casing	20.000	19.000	GL	975'
FS 3'	20.000	19.000	972'	975'
23 joints 972.0'	20.000	19.000	GL	972'
13.375 1st Intermediate Casing	13.375	12.415	GL	5,440'
FS 2'	13.375	12.415	5,438'	5,440'
1 SJ 40.61'	13.375	12.415	5,397'	5,438'
FC 2'	13.375	12.415	5,395'	5,397'
119 joints 4,315.91'	13.375	12.415	1,079'	5,395'
DV Tool 1.5'	13.375	12.415	1,077'	1,079'
28 joints 1,076.96'	13.375	12.415	GL	1,077'
9.625 2nd Intermediate casing.	9.625	8.535	GL	12,423'
FS - 1.83'	9.625	8.535	12,421'	12,423'
2 Shoe Joints 77.56'	9.700	8.535	12,344'	12,421'
FC - 1.58'	9.625	8.535	12,342'	12,344'
70 joints 2709.34'	9.625	8.535	9,633'	12,342'
15 joints (Bond Coated Csg) 581.27'	9.700	8.535	9,051'	9,633'
DV Tool 2.67'	9.625	8.535	9,049'	9,051'
88 joints (Bond Coated Csg) 3377.29'	9.700	8.535	5,671'	9,049'
DV Tool Packer 27.45'	9.625	8.535	5,644'	5,671'
5 joints (Bond Coated Csg) 263.86'	9.700	8.535	5,380'	5,644'
138 joints 5348.43'	9.625	8.535	32'	5,380'
Mandrel - Landing JT.	9.625	8.535	GL	32'
7.625 3rd intermediate casing.	7.625	6.624		17,368'
FS 2.55'	7.660	6.624	17,365'	17,368'
Shoe Joint 44.45'	7.625	6.624	17,321'	17,365'
FC - 2.5'	7.660	6.624	17,319'	17,321'
Shoe Joint - 44.97'	7.625	6.624	17,274'	17,319'
LC - 2.08'	7.660	6.624	17,271'	17,274'
115 Joints 5,251.91'	7.625	6.624	12,020'	17,271'
Hanger - TBR - 31.18'	8.310		11,988'	12,020'
5.5 x 7.00 Injection String				
Hudson Inconel PermaPak Packer	6.250	4.000	17,305'	17,308'
132 joints of 5.5" 17# TCPC P-110 5,569.58'	5.500	4.269	11,736'	17,305'
XO	7.563	4.269	11,721'	11,736'
275 joints of 7" 26# TCPC P-110 11,678.65'	7.000	5.653	79'	11,721'
3 pup joint (10' - 10' - 7')	7.000	5.653	GL	79'

HOLE INFORMATION / GEO TOPS

24 " Surface Hole T.D. = 985'

Salado - 1,316'

Castile - 2,783'

Delaware Mtn Grp (SH) - 5,379'

Lamar Limestone - 5,385'

Bell Canyon - 5,400'

17.5" 1st Intermediate T.D. = 5450'

Cherry Canyon -6,440 '

Brushy Canyon - 8,157'

Bone Springs (Leonard) - 9,279'

1st Bone Springs Lime - 9,562'

1st Bone Springs Sand - 10,314'

2nd Bone Springs Lime - 10,691'

2nd Bone Springs Sand - 10,872'

3rd Bone Springs Lime - 10,905'

3rd Bone Springs Sand - 11,880'

12.25" 2nd Intermediate T.D. = 12438'

Wolfcamp - 12,467'

Pennsylvanian - 13,813'

Strawn - 13,862'

Atoka - 14,180'

Morrow - 15,005'

Morrow Clastic - 15,415'

Barnett - 16,440'

Mississippian Shale - 16,756'

Woodford - 17,095'

Devonian - 17,288'

8.5" 3rd Intermediate T.D. = 17370'

Silurian - 18,182'

Fusselman - 18,285'

Montoya - 19,035'

6.5 " Injection Hole T.D. = 19145'

CEMENT INFO

Single Stage, Mix and pump 20 bbls of gel spacer followed by 236 bbls (800 sx) of 13.7 ppg, 1.66 ft3/sk lead cement and 79 bbls (335 sx) of 14.8 ppg, 1.32 ft3/ sk tail cement at planned 75% excess
Circulated 153 bbls of cement to surface

Stage 1: Pumped 20 bbls of gel spacer followed by 773 bbls of 13.7 ppg cement. 10.2 ppg brine, bumped plug at 3000 psi and bled back 9 bbls. Dropped opening dart and
Circulated 133 bbls of cement to surface

Stage 2: Pumped 20 bbls of gel spacer followed by 213 bbls (685 sx) of 13.7 ppg, 1.7 ft3/sk cement. Displaced with 163 bbls of FW and bumped plug at 1500 psi over FCP and bled back 2 bbls.
Circulated 43 bbls of cement to surface

Stage 1: Pumped 20 bbls of Mud Flush with 258 bbls (1180 sax) of 15.6 ppg, 1.22 ft3/sk. Dropped plug and bumped. Opened up DVT to circulate.
No cement returned to surface

Stage 2: Lead: 20 bbls Mud Flush with 160 bbls (430 sacks) of 11.9 ppg, 2.08 cuft/sk Neocem Class "C" lead Cement followed by 125 bbls (405 sks) of 13.7 ppg, 1.74 cuft/sk HalCem Class "C" tail Cement
No cement returned to surface

Stage 3: Pumped 374 bbls (1205sx) of 13.7 ppg, 1.74 cuft/sk HalCem Class "C" Cement
Circulated 35bbl of cement to surface

Pumped 55.4 bbl (150 sx) of 11.9 ppg, 2.075 ft3/sk NeoCem Class "C" lead cement followed by 26.9 bbls (103 sx) of 13.2 ppg, 1.439 ft3/sk NeoCem Class "C" tail cement.

Dropped dart to launch Halliburton latch down plug. Displaced and bumped. Dropped two balls to set liner hanger.

Set hanger and circulated excess.
No cement circulated to surface (some spacer).

IPT PERSONNEL: Johnny Musso (Field Ops Manager) , Stacy Wimmer (Field Ops Manager), Trevor Smith (Drilling Engineer)
IPT WSS: Bill Moodie, Jeff Petty, Darrin Pitts, Kevin Stimson