APR 30 2019 PM03:03

Revised March 23, 2017

RECEIVED: 4/30/19	REVIEWER:	TYPE: SWD	APP NO: PKEL 1912657218

ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Geological & Engineering Bureau –
1220 South St. Francis Drive, Santa Fe, NM 87505

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Applicant: Solaris Water Midstream, LLC **OGRID Number: 371643**
Well Name: Ricky Bobby SWD #1 **API:**
Pool: SWD; Devonian- Silurian **Pool Code: 97869**

SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED BELOW

1) **TYPE OF APPLICATION:** Check those which apply for [A]
A. Location – Spacing Unit – Simultaneous Dedication
☐ NSL ☐ NSP (PROJECT AREA) ☐ NSP (PRORATION UNIT) ☐ SD

B. Check one only for [I] or [II]
[I] Commingling – Storage – Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM
[II] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery
☐ WFX ☐ PMX ■ SWD ☐ IPI ☐ EOR ☐ PPR

FOR OCD ONLY
☐ Notice Complete
☐ Application Content Complete

2) **NOTIFICATION REQUIRED TO:** Check those which apply.
A. ■ Offset operators or lease holders
B. ☐ Royalty, overriding royalty owners, revenue owners
C. ■ Application requires published notice
D. ☐ Notification and/or concurrent approval by SLO
E. ☐ Notification and/or concurrent approval by BLM
F. ■ Surface owner
G. ■ For all of the above, proof of notification or publication is attached, and/or,
H. ☐ No notice required

3) **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

April 25, 2019
Date

Ramona Hovey – Agent of Solaris Water Midstream
Print or Type Name

(512) 600-1777
Phone Number

Signature

ramona@lonquist.com
e-mail Address

APR 30 2019 PM03:03

LONQUIST & CO. LLC

PETROLEUM ENGINEERS | ENERGY ADVISORS

AUSTIN · HOUSTON · WICHITA · DENVER · CALGARY

April 25, 2019

New Mexico Energy, Minerals, and Natural Resources Department
Oil Conservation Division District IV
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
(505) 476-3440

RE: RICKY BOBBY SWD NO. 1 AUTHORIZATION TO INJECT

To Whom It May Concern:

Attached for your review is Form C-108, Application for Authorization to Inject, and its supplemental documents prepared for Solaris Water Midstream, LLC's (Solaris") Ricky Bobby SWD No. 1. In addition, Forms C-101 and C-102 have also been included with this package. Notices have been sent to offset, operators, leaseholders and the surface owner. Proof of notice will be sent to the OCD upon receipt.

Any questions should be directed towards Solaris Water Midstream, LLC's agent Lonquist & Co., LLC.

Regards,

Ramona K Hovey

Ramona K. Hovey
Sr. Petroleum Engineer
Lonquist & Co., LLC

(512) 600-1777
ramona@lonquist.com

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

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

FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance ___X___ Disposal _____ Storage
Application qualifies for administrative approval? ___X___ Yes _____ No

II. OPERATOR: Solaris Water Midstream, LLC

ADDRESS: 701 Tradewinds Blvd., Suite C, Midland, TX 79706

CONTACT PARTY: Whitney McKee PHONE: 432-203-9020

III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? _____ Yes ___X___ No
If yes, give the Division order number authorizing the project: _____

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).

*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Ramona Hovey TITLE: Consulting Engineer – Agent for Solaris Water Midstream

SIGNATURE: _____ DATE: 4/25/2019

E-MAIL ADDRESS: ramona@lonquist.com

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

Side 2

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

(1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.

(2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.

(3) A description of the tubing to be used including its size, lining material, and setting depth.

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

(1) The name of the injection formation and, if applicable, the field or pool name.

(2) The injection interval and whether it is perforated or open-hole.

(3) State if the well was drilled for injection or, if not, the original purpose of the well.

(4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.

(5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

(1) The name, address, phone number, and contact party for the applicant;

(2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;

(3) The formation name and depth with expected maximum injection rates and pressures; and,

(4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

Side 1

INJECTION WELL DATA SHEET

OPERATOR: Solaris Water Midstream, LLC

WELL NAME & NUMBER: Ricky Bobby SWD No. 1

WELL LOCATION: 250' FNL 500' FEL (FOOTAGE LOCATION) | A (UNIT LETTER) | 20 (SECTION) | 26S (TOWNSHIP) | 26E (RANGE)

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 18.125"

Cemented with: 511 sx.

Top of Cement: surface

Casing Size: 16.00"

or _____ ft^3

Method Determined: circulation

Intermediate Casing

Hole Size: 14.750"

Cemented with: 365 sx.

Top of Cement: surface

Casing Size: 13.375"

or _____ ft^3

Method Determined: circulation

Production Casing

Hole Size: 12.250"

Cemented with: 1734 sx.

Top of Cement: surface

Casing Size: 9.625"

or _____ ft^3

Method Determined: circulation

Liner

Hole Size: 8.500"

Cemented with: 489 sx.

Top of Cement: 8,300'

Total Depth: 14,300'

Casing Size: 7.625"

or _____ ft^3

Method Determined: calculation

Injection Interval

12,845 feet to 14,300 feet

(Open Hole)

INJECTION WELL DATA SHEET

Tubing Size: 5.5", 20 lb/ft, HCL-80, BTC from 0' – 8,100' and 5", 18 lb/ft, HCL-80, LTC from 8,100'-12,795'
Lining Material: Duoline

Type of Packer: Nickel Plated Double Grip Retrievable Packer or Equivalent

Packer Setting Depth: 12,795'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? ___X___ Yes _____ No

   If no, for what purpose was the well originally drilled?

   _____

2. Name of the Injection Formation: Devonian, Fusselman

3. Name of Field or Pool (if applicable): SWD; Devonian-Silurian 97869

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.

   No, new drill.

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

   Bell Canyon: 1,865
   Cherry Canyon: 2,730
   Brushy Canyon: 3,790
   Bone Spring: 5,375'
   Wolfcamp: 8,400'
   Cisco: 10,375'
   Strawn: 10,600'
   Atoka: 10,830'
   Morrow: 11,515'

Solaris Water Midstream, LLC

Ricky Bobby SWD No. 1

FORM C-108 Supplemental Information

III. Well Data

A. Wellbore Information

1.

Well information	
Lease Name	Ricky Bobby SWD
Well No.	1
Location	S-20 T-26S R-26E
Footage Location	250' FNL & 500' FEL

2.

a. Wellbore Description

Casing Information				
Type	Surface	Intermediate	Production	Liner
OD	16"	13.375"	9.625"	7.625"
WT	0.495"	0.480"	0.545"	0.500"
ID	15.010"	12.415"	8.535"	6.625"
Drift ID	14.822"	12.259"	8.379"	6.500"
COD	17.000"	13.375"	10.625"	7.625"
Weight	84 lb/ft	68 lb/ft	53.5 lb/ft	39 lb/ft
Grade	J-55 BTC	L-80, EZ-GO FJ3	HCP-110 BTC	Q-125 EZ-GO FJ3
Hole Size	18.125"	14.75"	12.25"	8.5"
Depth Set	440'	1,840'	8,500'	8,300' – 12,845'

b. Cementing Program

Cement Information					
Casing String	Conductor	Surface	Intermediate	Production	Liner
Lead Cement	EXTENDACEM™	HALCEM™	HALCEM™	NEOCEM™ IL2	NEOCEM™
Lead Cement Volume (sacks)	250	-	232	Stage 1: 977 Stage 2: 168	-
Lead Cement Density (ft3/sack)	1.694	-	1.664	Stage 1: 2.731 Stage 2: 2.732	-
Tail Cement	-	HALCEM™	HALCEM™	NEOCEM™/HALCEM™	VERSACEM™
Tail Cement Volume (sacks)	-	511	133	Stage 1: 475 Stage 2: 114	489
Tail Cement Density (ft3/sack)	-	1.332	1.332	Stage 1: 1.056 Stage 2: 1.336	1.223
Cement Excess	0%	50%	30%	50%, 0%	50%
Total Sacks	250	511	365	1734	489
TOC	Surface	Surface	Surface	Surface	8,300'
Method	Circulate to Surface	Circulate to Surface	Circulate to Surface	Circulate to Surface	Logged

3. Tubing Description

Tubing Information	
OD	5.5" 5.0"
WT	0.361" 0.362"
ID	4.778" 4.276"
Drift ID	4.653" 4.151"
COD	6.050" 5.563"
Weight	20 lb/ft 18 lb/ft
Grade	HCL-80 BTC HCL-80 LTC
Depth Set	0-8,100' 8,100'-12,795'

Tubing will be lined with Duoline.

4. Packer Description

   Nickel Plated Double Grip Retrievable Packer or Equivalent

B. Completion Information

1. Injection Formation: Devonian, Fusselman
2. Gross Injection Interval: 12,845'-14,300'

   Completion Type: Open Hole
3. Drilled for injection.
4. See the attached wellbore schematic.
5. Oil and Gas Bearing Zones within area of well:

Formation	Depth
Bell Canyon	1,865
Cherry Canyon	2,730
Brushy Canyon	3,790
Bone Spring	5,375'
Wolfcamp	8,400'
Cisco	10,375'
Strawn	10,600'
Atoka	10,830'
Morrow	11,515'

VI. Area of Review

No wells within the area of review penetrate the proposed injection zone.

VII. Proposed Operation Data

1. Proposed Daily Rate of Fluids to be Injected:

   Average Volume: 30,000 BPD
   Maximum Volume: 40,000 BPD
2. Closed System
3. Anticipated Injection Pressure:

Average Injection Pressure: 1,927 PSI (surface pressure)
Maximum Injection Pressure: 2,569 PSI (surface pressure)

4. The injection fluid is to be locally produced water. It is expected that the source water will predominantly be from the Bone Spring, Delaware, and Morrow formations. Attached are produced water sample analyses taken from the closest wells that feature samples from the Bone Spring, Delaware, Devonian, Morrow, Pennsylvanian, San Andreas, Wolfcamp.

5. The disposal interval is non-productive. No water samples are available from the surrounding area.

VIII. Geological Data

Devonian Formation Lithology:

The Devonian formation is a dolomitic ramp carbonate that occurs below the Woodford shale and above the Fusselman formation. Strata found in the Devonian formation include two major groups, the Wristen Buildups and the Thirtyone Deepwater Chert, with the Wristen being more abundant. The Wristen Groups is composed of mixed limestone and dolomites with mudstone to grainstone and boundstone textures. Porosity in the Wristen group is a result of both primary and secondary development. Present are moldic, vugular, karstic (including collapse breccia) features that allow for higher porosities and permeabilities. The Thirtyone Formation contains two end-member reservoir facies, skeletal packstones/grainstones and spiculitic chert, with most of the porosity and permeability found in the coarsely crystalline cherty dolomite. These particular characteristics allow for this formation to be a tremendous Salt Water Disposal horizon.

Fusselman Formation Lithology:

The Silurian/Ordovician Fusselman Formation is stratigraphically below the Wristen Group and is above and separated from the Montoya Formation by the Sylvan Shale. The Sylvan Shale is the lower confining layer for the proposed Ricky Bobby SWD No. 1 well. Fusselman facies include a laminated skeletal wackestone in the upper part and a buildup complex in the lower part composed of ooid and bryozoan grainstones. These grainstones can also be potentially prolific zones for disposal.

A. Injection Zone: Silurian-Devonian Formation

Formation	Depth
Rustler	200'
Salado (Top of Salt)	465'
Salado (Bottom of Salt)	1,610'
Bell Canyon	1,865'
Cherry Canyon	2,730'
Brushy Canyon	3,790'
Bone Spring	5,375'
Bone Spring 1st Sand	6,240'
Bone Spring 2nd Sand	7,040'
Bone Spring 3rd Sand	8,080'
Wolfcamp	8,400'
Cisco	10,375'
Strawn	10,600'
Atoka	10,830'
Morrow	11,515'
Lower Morrow	11,745'
Barnett	12,425'
Devonian	12,845'

B. Underground Sources of Drinking Water

Sixteen (16) water wells exist within a one-mile radius of the proposed well. Water wells in the surrounding area have an average depth of 115 feet and an average water depth of 50 feet generally producing from the Carlsbad Basin. The upper Rustler may also be another USDW and will be protected.

IX. Proposed Stimulation Program

50,000 gallon acid job

X. Logging and Test Data on the Well

There are no logs or test data on the well. During the process of drilling and completion resistivity, gamma ray, and density logs will be run.

XI. Chemical Analysis of Fresh Water Wells

Attached is a map of the sixteen (16) water wells that exist within one-mile of the well location. Samples from the nearest two wells with recoverable samples present are being obtained and analysis results will be provided as soon as possible. A Water Right Summary from the New Mexico Office of the State Engineer is attached for the sixteen (16) water wells within a 1-mile radius.

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
SOLARIS WATER MIDSTREAM, LLC 701 TRADEWINDS BLVD., SUITE C MIDLAND, TX 79706	371643
	3. API Number TBD

4. Property Code	5. Property Name	6. Well No.
	RICKY BOBBY SWD	1

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
A	20	26 S	26 E		250	N	500	E	EDDY

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
SWD; Devonian-Silurian	97869

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
N	SWD	R	Private	3,388'
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	14,300'	Devonian-Silurian	TBD	ASAP

Depth to Ground water	Distance from nearest fresh water well	Distance to nearest surface water
80'	916 feet	>1 mile

☒ **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	18.125"	16"	84 lb/ft	440'	511	Surface
Intermediate	14.75"	13.375"	68 lb/ft	1,840'	365	Surface
Production	12.25"	9.625"	53.5 lb/ft	8500'	1734	Surface
Liner	8.5"	7.625"	39 lb/ft	8,300'-12,845'	489	8,300
Tubing		5.5" & 5"	20 lb/ft & 18 lb/ft	0' – 8,100' & 8,100' – 12,795'	N/A	

Casing/Cement Program: Additional Comments

See attached schematic.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Hydraulic/Blinds, Pipe	8,000 psi	10,000 psi	TBD – Schaffer/Cameron

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.** Signature: Ramona Hovey		OIL CONSERVATION DIVISION Approved By:	
Printed name: Ramona Hovey		Title:	
Title: Consulting Engineer		Approved Date:	Expiration Date:
E-mail Address: ramona@lonquist.com			
Date: April 25, 2018	Phone: 512-600-1777	Conditions of Approval Attached	

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) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name

Property Code	Property Name	Well Number
	RICKY BOBBY SWD	1

OGRID No.	Operator Name	Elevation
	SOLARIS WATER MIDSTREAM	3388'

Surface Location

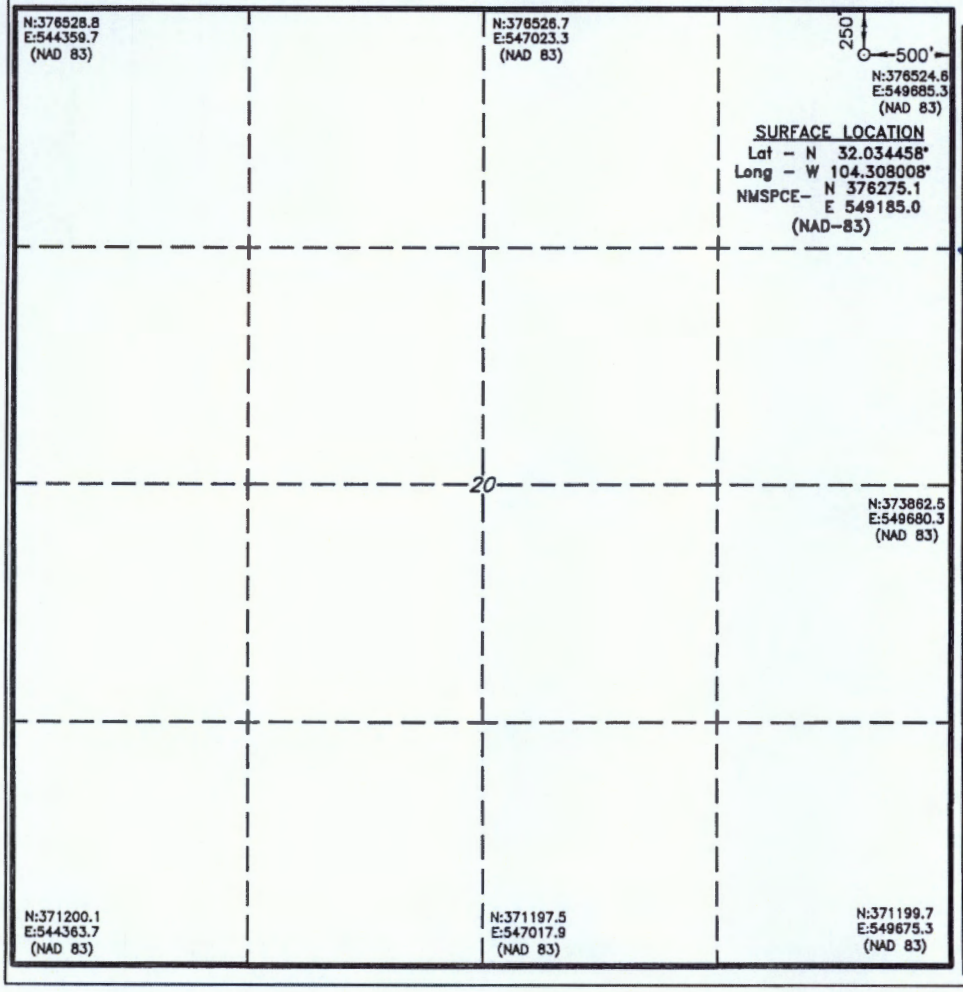
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	20	26 S	26 E		250'	NORTH	500'	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unLEAsed mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature 4/25/19 Date

RAMONA HOVEY
Printed Name

ramona@longuist.com
Email Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief.

APRIL 4, 2019
Date Surveyed

Signature & Seal of Professional Surveyor

GARY L. JONES
NEW MEXICO
7977
REGISTERED PROFESSIONAL LAND SURVEYOR

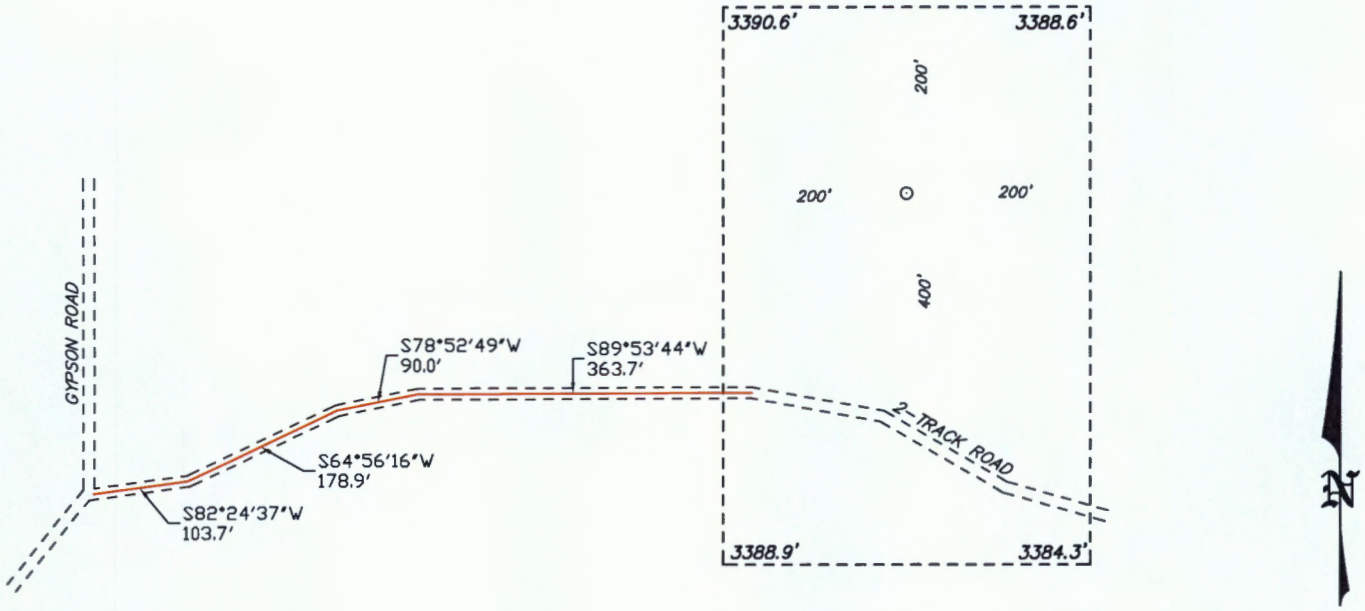
Certificate Number Gary L. Jones 7977

0' 500' 1000' 1500' 2000'

SCALE: 1" = 1000'
WO Num.: 34461

SECTION 20 TOWNSHIP 26 SOUTH, RANGE 26 EAST, N.M.P.M.,

EDDY COUNTY, NEW MEXICO.



RICKY BOBBY SWD 1
ELEV. - 3388'

Lat - N 32.034458°
Long - W 104.308008°
NMSPCE- N 376275.1
E 549185.0
(NAD-83)

WHITES CITY, NM IS ±10 MILES TO THE NORTHWEST OF LOCATION.

200 0 200 400 FEET

SCALE: 1" = 200'

SOLARIS WATER MIDSTREAM

REF: RICKY BOBBY SWD 1 / WELL PAD TOPO

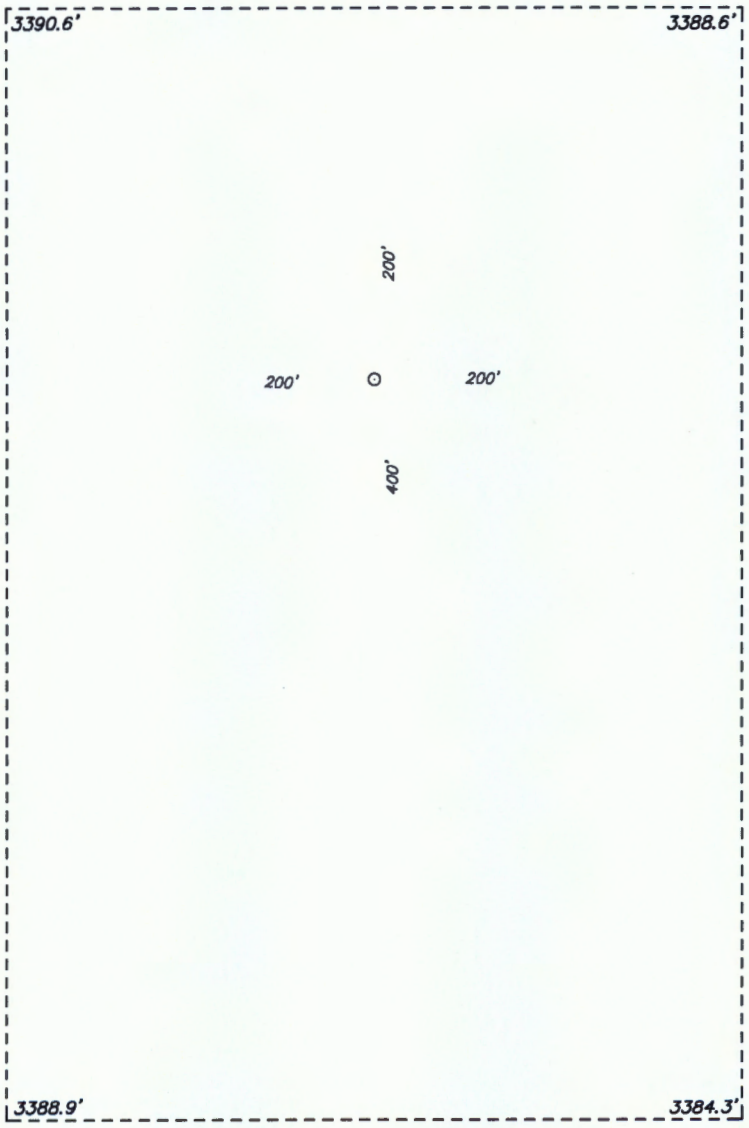
THE RICKY BOBBY SWD 1 LOCATED 250' FROM THE NORTH LINE AND 500' FROM THE EAST LINE OF SECTION 20, TOWNSHIP 26 SOUTH, RANGE 26 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO.

basin surveys
focused on excellence in the oilfield
P.O. Box 1786
1120 N. West County Rd.
Hobbs, New Mexico 88241
(575) 393-7316 - Office
(575) 392-2206 - Fax
basinsurveys.com

W.O. Number: 34461	Drawn By: J GOAD	Date: 4-8-2019	Survey Date: 4-4-2019	Sheet 1 of 1 Sheets

SECTION 20 TOWNSHIP 26 SOUTH, RANGE 26 EAST, N.M.P.M.,

EDDY COUNTY, NEW MEXICO.



100 0 100 200 FEET

SCALE: 1" = 100'

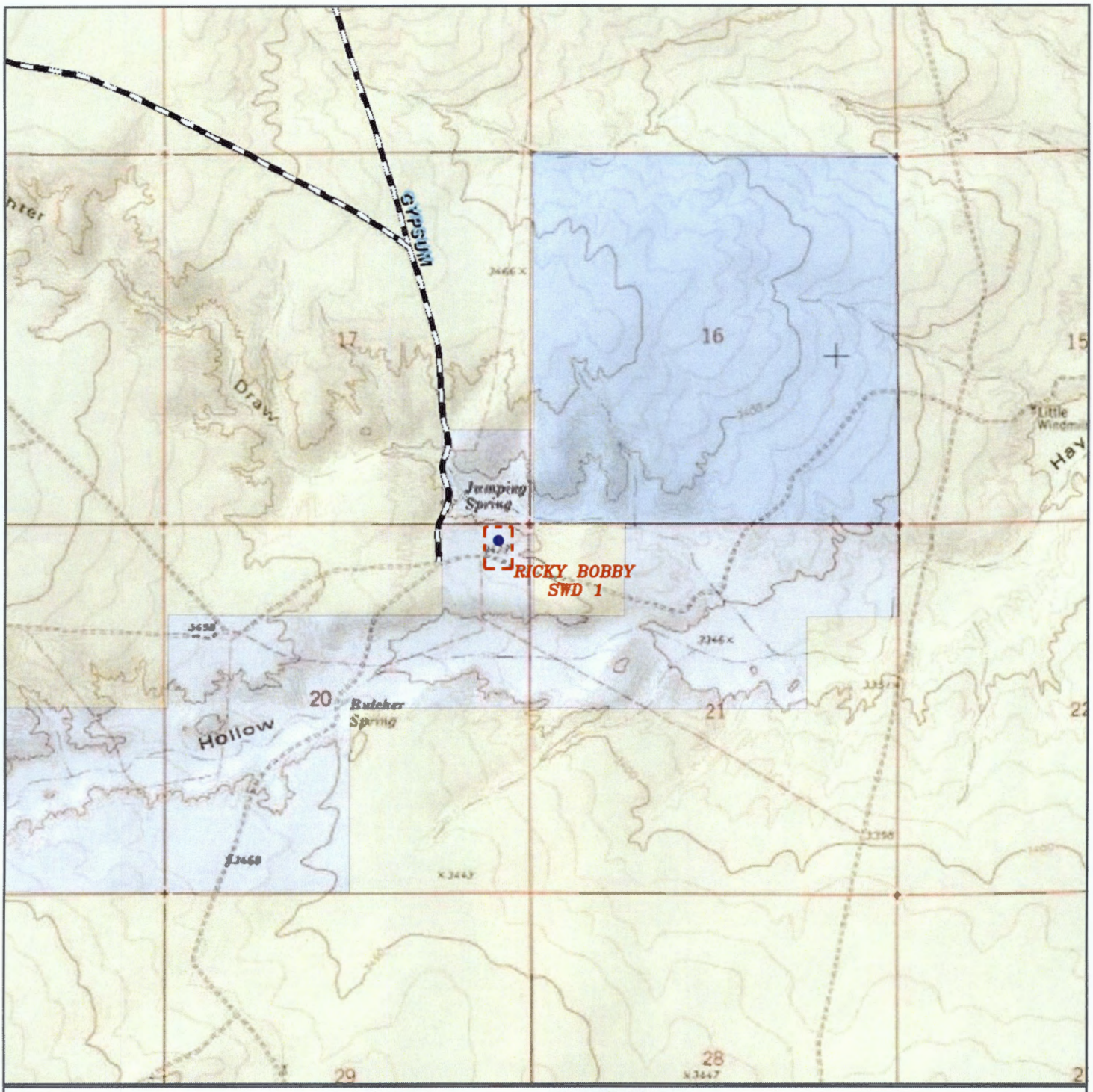
SOLARIS WATER MIDSTREAM

REF: RICKY BOBBY SWD 1 / WELL PAD TOPO

THE RICKY BOBBY SWD 1 LOCATED 250' FROM THE NORTH LINE AND 500' FROM THE EAST LINE OF SECTION 20, TOWNSHIP 26 SOUTH, RANGE 26 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO.

basin surveys
focused on excellence in the oilfield
P.O. Box 1786
1120 N. West County Rd.
Hobbs, New Mexico 88241
(575) 393-7316 – Office
(575) 392-2206 – Fax
basinsurveys.com

W.O. Number: 34461	Drawn By: J GOAD	Date: 4-8-2019	Survey Date: 4-4-2019	Sheet 1 of 1 Sheets



RICKY BOBBY SWD 1

Located 250' FNL & 500' FEL
Section 20, Township 26 South, Range 26 East,
N.M.P.M., Eddy County, New Mexico.

basin surveys
focused on excellence in the oilfield

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(575) 392-2206 – Fax
basinsurveys.com

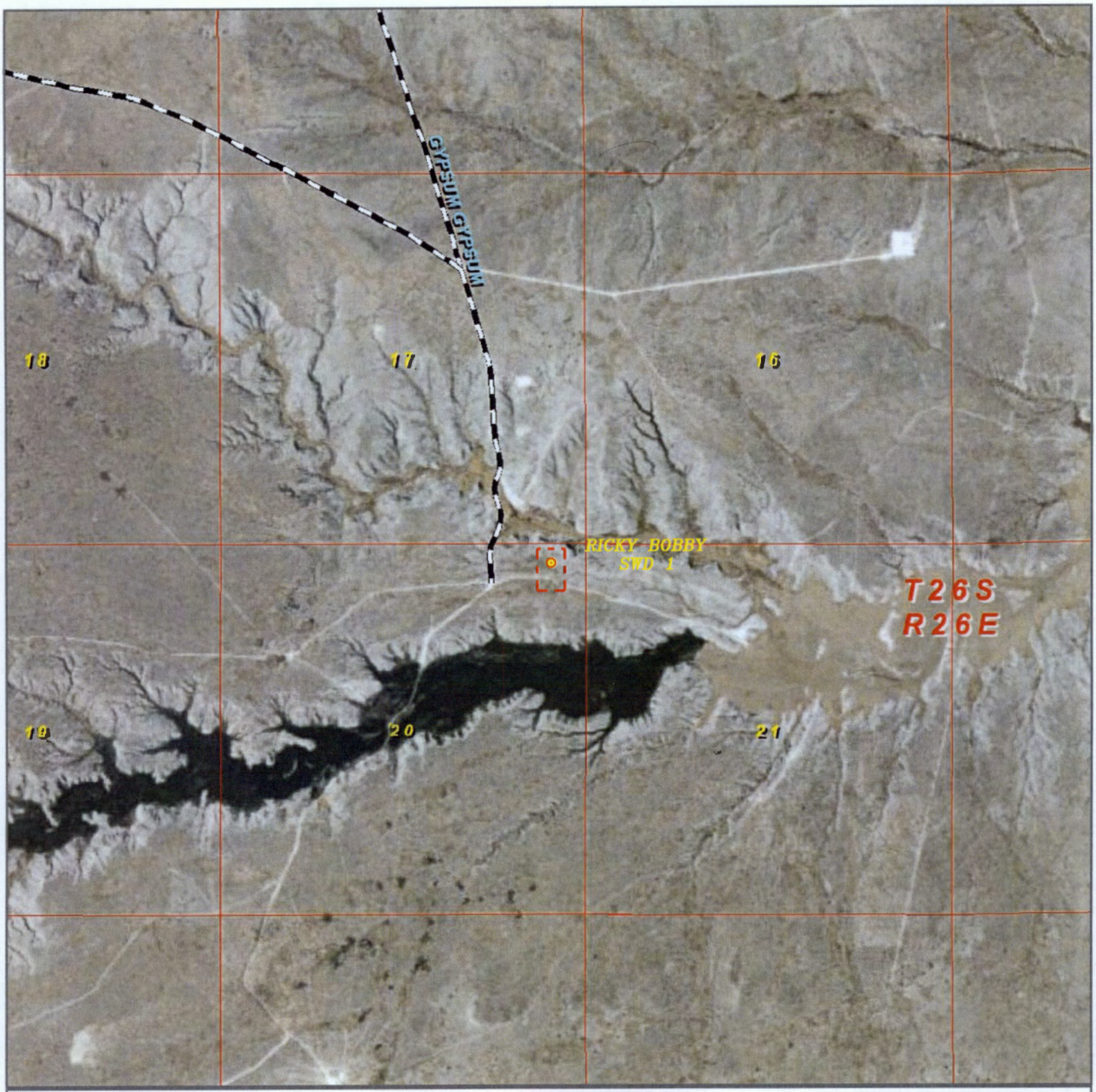
0' 1000' 2000' 3000' 4000'
SCALE: 1" = 2000'

W.O. Number: JG – 34461

Survey Date: 4-4-2019

YELLOW TINT – USA LAND
BLUE TINT – STATE LAND
NATURAL COLOR – FEE LAND

SOLARIS WATER MIDSTREAM



RICKY BOBBY SWD 1

Located 250' FNL & 500' FEL
Section 20, Township 26 South, Range 26 East,
N.M.P.M., Eddy County, New Mexico.

basin surveys
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Hobbs, New Mexico 88241
(575) 393-7316 - Office
(575) 392-2206 - Fax
basinsurveys.com

0' 1000' 2000' 3000' 4000'
SCALE: 1" = 2000'

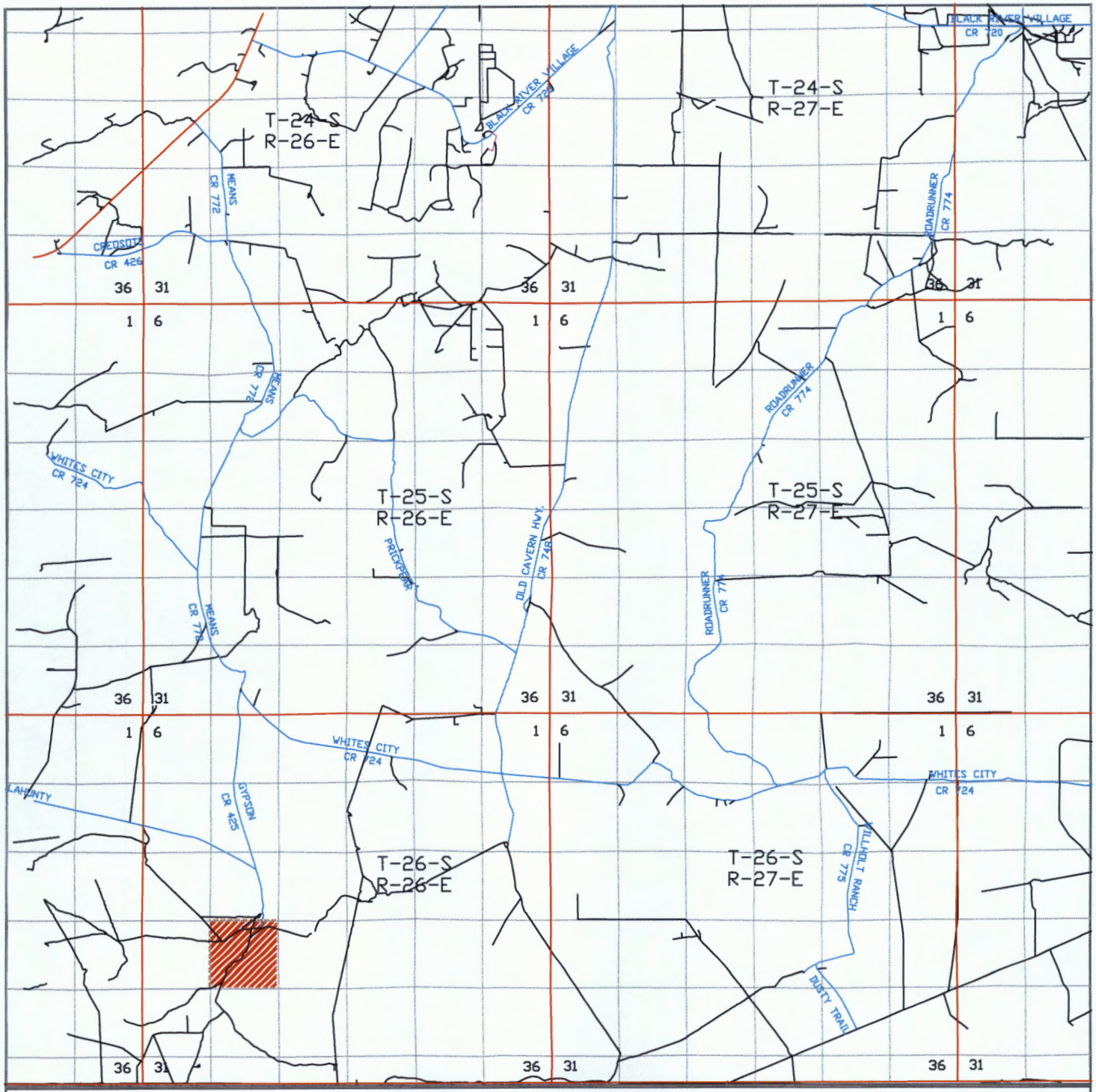
W.O. Number: JG - 34461

Survey Date: 4-4-2019

YELLOW TINT - USA LAND
BLUE TINT - STATE LAND
NATURAL COLOR - FEE LAND

N

SOLARIS WATER MIDSTREAM



RICKY BOBBY SWD 1

Located 250' FNL & 500' FEL
Section 20, Township 26 South, Range 26 East,
N.M.P.M., Eddy County, New Mexico.

basin surveys
focused on excellence in the oilfield

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Hobbs, New Mexico 88241
(575) 393-7316 – Office
(575) 392-2206 – Fax
basinsurveys.com

0 1 MI 2 MI 3 MI 4 MI
SCALE: 1" = 2 MILES

W.O. Number: JG – 34461

Survey Date: 4-4-2019

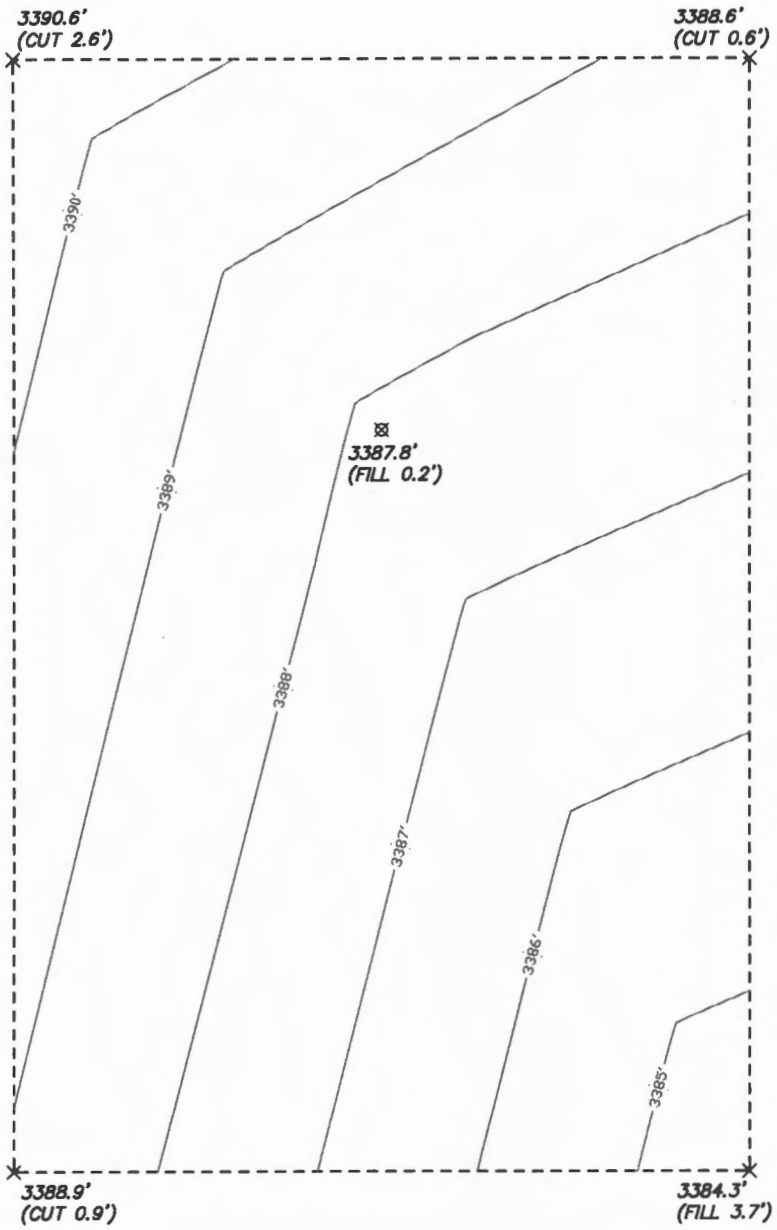
YELLOW TINT – USA LAND
BLUE TINT – STATE LAND
NATURAL COLOR – FEE LAND

N

SOLARIS WATER MIDSTREAM

SECTION 20 TOWNSHIP 26 SOUTH, RANGE 26 EAST, N.M.P.M.,

EDDY COUNTY, NEW MEXICO.



100 0 100 200 FEET

SCALE: 1" = 100'

SOLARIS WATER MIDSTREAM

REF: RICKY BOBBY SWD 1 / CUT & FILL

THE RICKY BOBBY SWD 1 LOCATED 250' FROM THE NORTH LINE AND 500' FROM THE EAST LINE OF SECTION 20, TOWNSHIP 26 SOUTH, RANGE 26 EAST, N.M.P.M., EDDY COUNTY, NEW MEXICO.

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Hobbs, New Mexico 88241
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(575) 392-2206 – Fax
basinsurveys.com

W.O. Number: 34461	Drawn By: J GOAD	Date: 4-8-2019	Survey Date: 4-4-2019	Sheet 1 of 1 Sheets

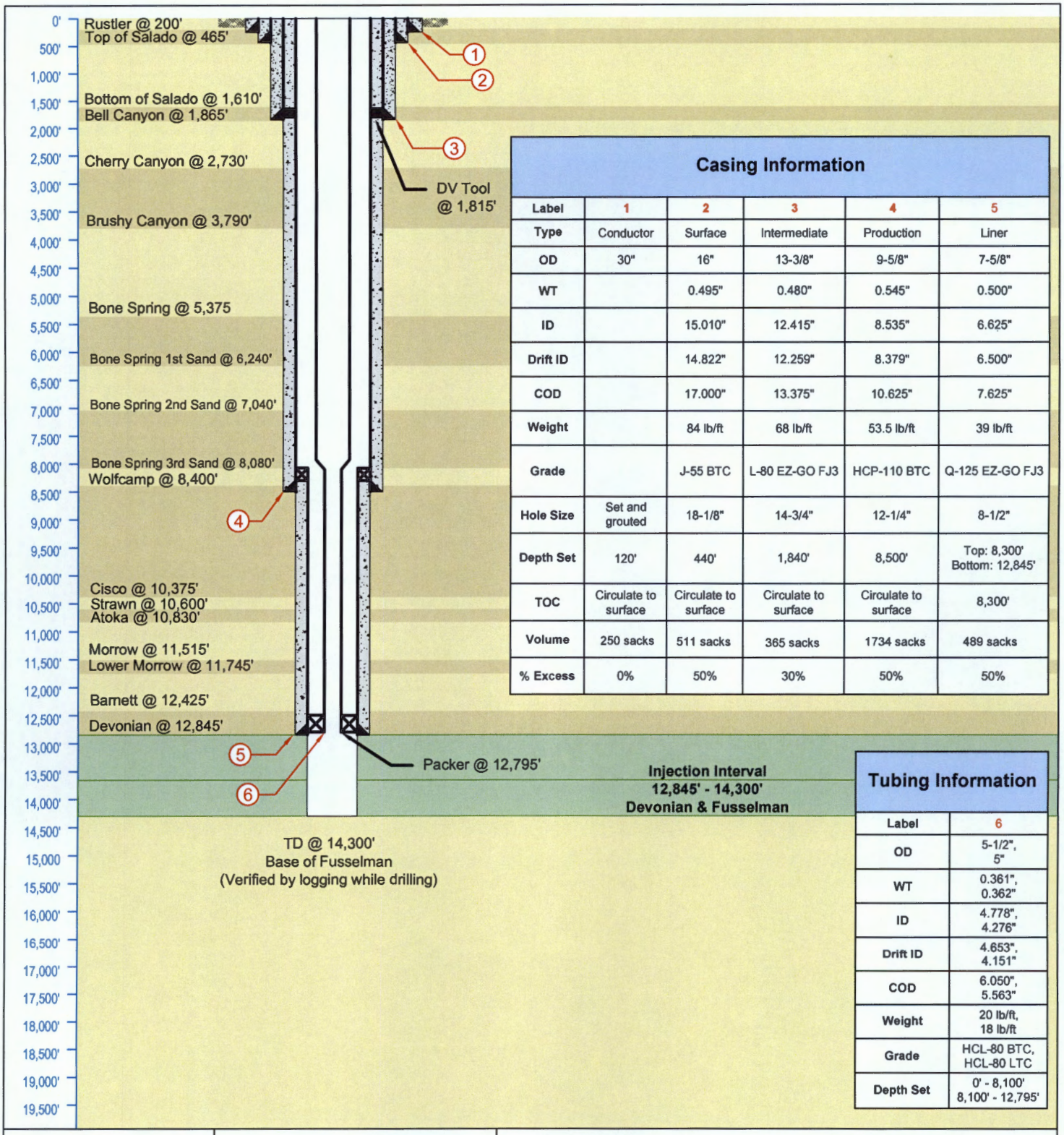
SOLARIS WATER MIDSTREAM, LLC

Ricky Bobby SWD #1
(PROPOSED MALEY #8 SWD)
Section 20-T26S-R26E
790' FNL & 750' FEL
Eddy County, New Mexico
GEOLOGICAL PROGNOSIS
11/4/2018
Jim Brannigan, C.P.G., R.G.

GL: 3,422' (est.)
KB: 3,444' (+22' est.)
Proposed Injection Interval:

Tops	Depths (est.)	Subsea (est.)
Rustler	200'	+3,244
T/Salt	465'	+2,979
B/Salt	1,610'	+1,834
T/Bell Canyon – Oil	1,865'	+1,579
T/Cherry Canyon – Oil	2,730'	+714
T/Brushy Canyon – Oil	3,790'	-346
T/Bone Spring – Oil	5,375'	-1,931
T/1st BS Sand – Oil	6,240'	-2,796
T/2nd BS Sand – Oil	7,040'	-3,596
T/3rd BS Sand – Oil	8,080'	-4,636
t/Wolfcamp – Oil	8,400'	-4,956
T/Cisco – Gas	10,375'	-6,931
T/Strawn – Gas	10,600'	-7,156
T/Atoka – Gas	10,830'	-7,386
T/Morrow LM	11,515'	-8,071
T/Lower Morrow – Gas	11,745'	-8,301
T/Barnett	12,425'	-8,981
T/Devonian	12,845'	-9,401
TD	14,300'	-10,856

Tops were picked in part using the Cimarex Jumping Spring 16 State Com. #1 in Section 16-T26S-R26E, and the COG Cottonwood 2 State SWD #! In Section 2-T26S-R26E. There are no wells in the area that have drilled deep enough or identified any formations deeper than the Devonian. COG Cottonwood 2 State SWD #1 reported injecting into a 1,230' interval from the top of the Devonian to TD at 14,500'.



Casing Information

Label	1	2	3	4	5
Type	Conductor	Surface	Intermediate	Production	Liner
OD	30"	16"	13-3/8"	9-5/8"	7-5/8"
WT		0.495"	0.480"	0.545"	0.500"
ID		15.010"	12.415"	8.535"	6.625"
Drift ID		14.822"	12.259"	8.379"	6.500"
COD		17.000"	13.375"	10.625"	7.625"
Weight		84 lb/ft	68 lb/ft	53.5 lb/ft	39 lb/ft
Grade		J-55 BTC	L-80 EZ-GO FJ3	HCP-110 BTC	Q-125 EZ-GO FJ3
Hole Size	Set and grouted	18-1/8"	14-3/4"	12-1/4"	8-1/2"
Depth Set	120'	440'	1,840'	8,500'	Top: 8,300' Bottom: 12,845'
TOC	Circulate to surface	Circulate to surface	Circulate to surface	Circulate to surface	8,300'
Volume	250 sacks	511 sacks	365 sacks	1734 sacks	489 sacks
% Excess	0%	50%	30%	50%	50%

Tubing Information

Label	6
OD	5-1/2", 5"
WT	0.361", 0.362"
ID	4.778", 4.276"
Drift ID	4.653", 4.151"
COD	6.050", 5.563"
Weight	20 lb/ft, 18 lb/ft
Grade	HCL-80 BTC, HCL-80 LTC
Depth Set	0' - 8,100' 8,100' - 12,795'

LONQUIST & CO. LLC
PETROLEUM ENGINEERS | ENERGY ADVISORS
HOUSTON | CALGARY
AUSTIN | WICHITA | DENVER

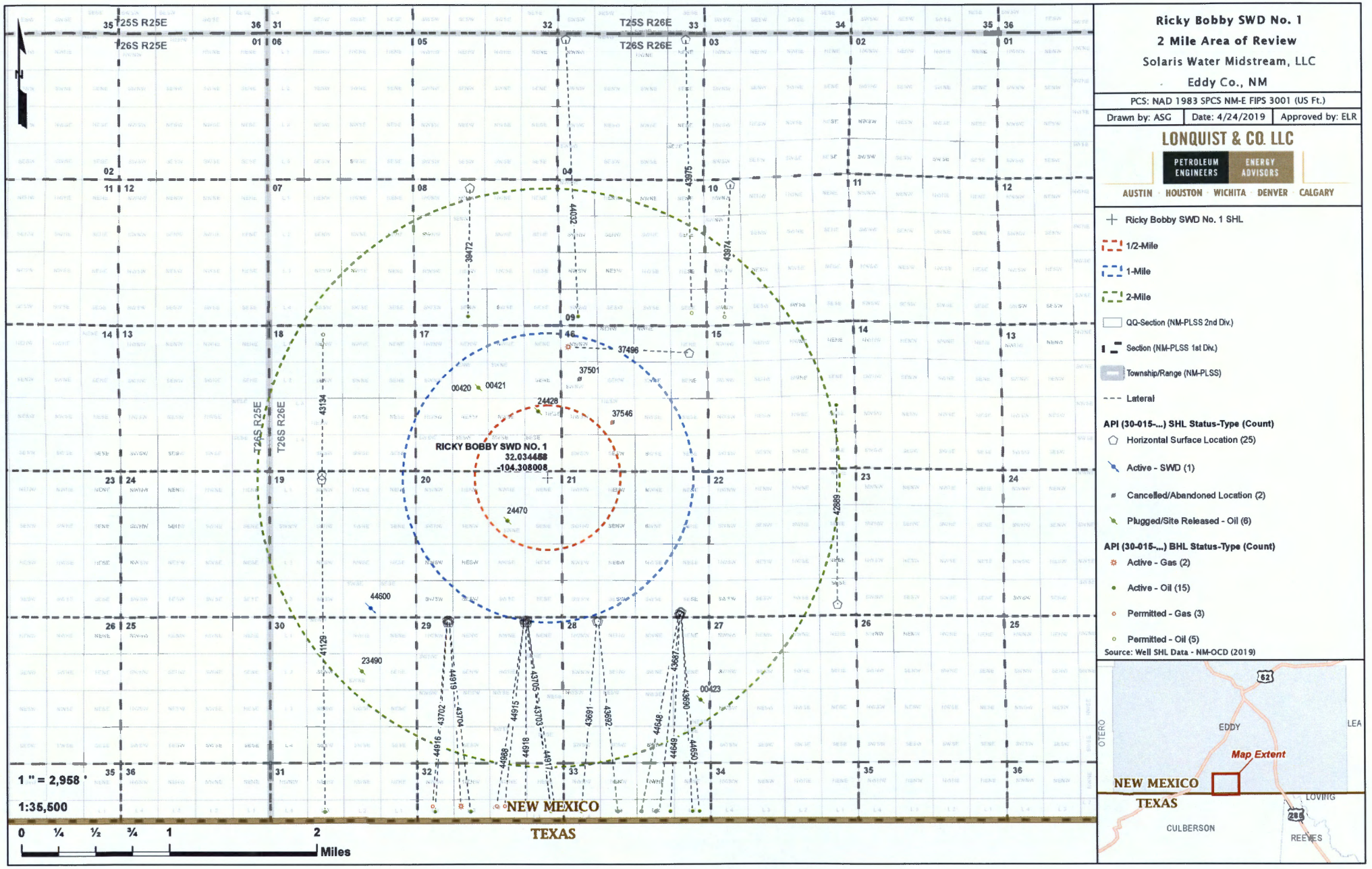
Texas License F-9147

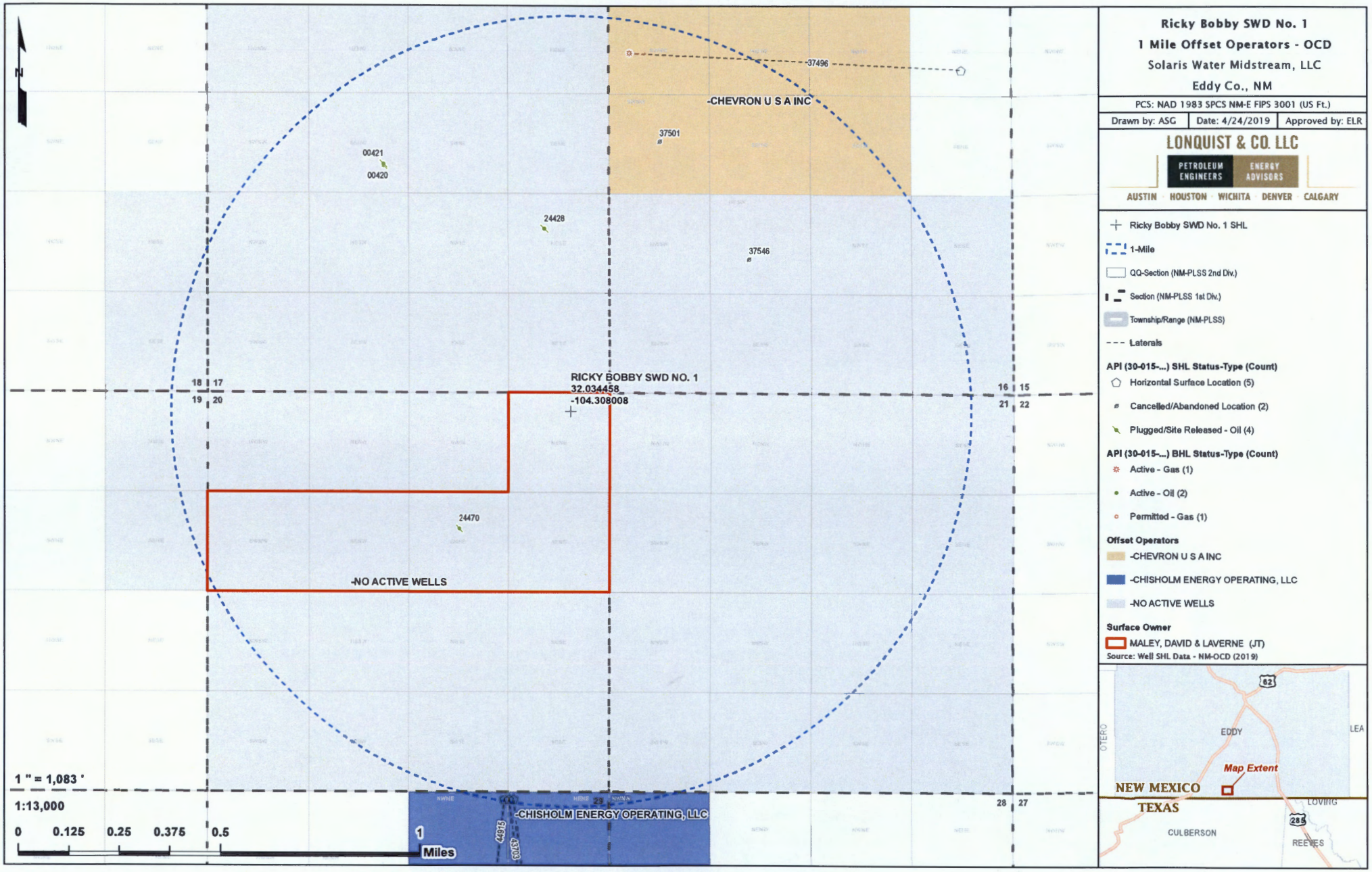
12912 Hill Country Blvd. Ste F-200
Austin, Texas 78738
Tel: 512.732.9812
Fax: 512.732.9816

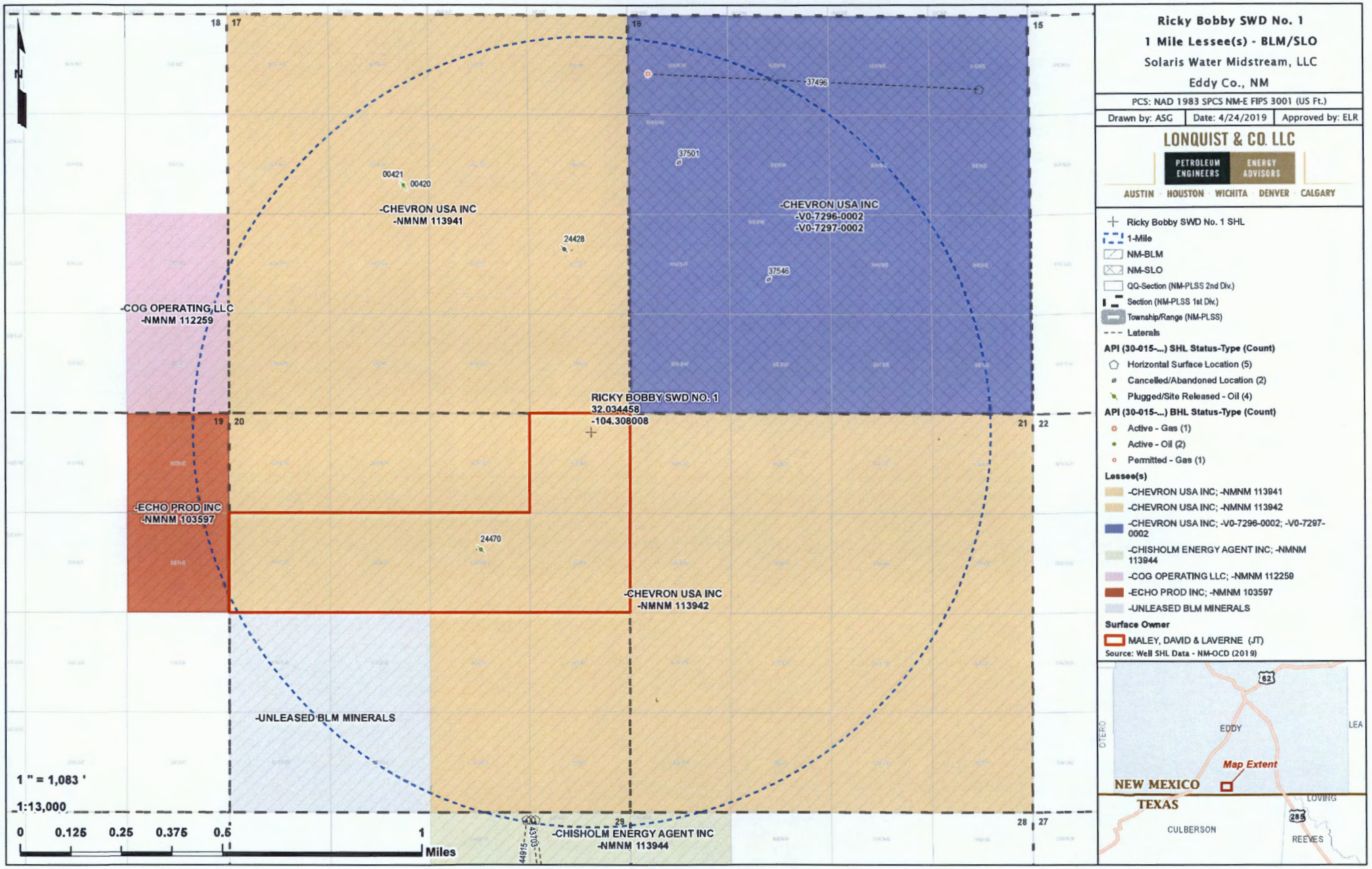
Solaris Water Midstream, LLC

Ricky Bobby SWD No. 1

Country: USA	**State/Province:** New Mexico	**County/Parish:** Eddy
Location:	**Site:** 250' FNL & 500' FEL	**Survey:** S20-T26S-R26E
API No: NA	**Field:** Devonian-Silurian (Code: 97869)	**Well Type/Status:** SWD
NMOCD District No: 2	**Project No:** 1979	**Date:** 4/22/2019
Drawn: TFM	**Reviewed:**	**Approved:**
Rev No: 1	**Notes:**	


Ricky Bobby SWD No. 1
2 Mile Area of Review
Solaris Water Midstream, LLC
Eddy Co., NM
PCS: NAD 1983 SPCS NM-E FIPS 3001 (US Ft.)
Drawn by: ASG
Date: 4/24/2019
Approved by: ELR
LONQUIST & CO. LLC
PETROLEUM ENGINEERS
ENERGY ADVISORS
AUSTIN · HOUSTON · WICHITA · DENVER · CALGARY
Ricky Bobby SWD No. 1 SHL
1/2-Mile
1-Mile
2-Mile
QQ-Section (NM-PLSS 2nd Div.)
Section (NM-PLSS 1st Div.)
Township/Range (NM-PLSS)
Lateral
API (30-015-...) SHL Status-Type (Count)
Horizontal Surface Location (25)
Active - SWD (1)
Cancelled/Abandoned Location (2)
Plugged/Site Released - Oil (6)
API (30-015-...) BHL Status-Type (Count)
Active - Gas (2)
Active - Oil (15)
Permitted - Gas (3)
Permitted - Oil (5)
Source: Well SHL Data - NM-OCD (2019)
RICKY BOBBY SWD NO. 1
32.034468
-104.308008
T25S R25E
T26S R25E
T25S R26E
T26S R26E
NEW MEXICO
TEXAS
1 " = 2,958 '
1:35,500
0 ¼ ½ ¾ 1 2 Miles
Map Extent
EDDY
LEA
OTERO
CULBERSON
LOVING
REEVES


Ricky Bobby SWD No. 1
1 Mile Offset Operators - OCD
Solaris Water Midstream, LLC
Eddy Co., NM
PCS: NAD 1983 SPCS NM-E FIPS 3001 (US Ft.)
Drawn by: ASG
Date: 4/24/2019
Approved by: ELR
LONQUIST & CO. LLC
PETROLEUM ENGINEERS
ENERGY ADVISORS
AUSTIN HOUSTON WICHITA DENVER CALGARY
Ricky Bobby SWD No. 1 SHL
1-Mile
QQ-Section (NM-PLSS 2nd Div.)
Section (NM-PLSS 1st Div.)
Township/Range (NM-PLSS)
Laterals
API (30-015-...) SHL Status-Type (Count)
Horizontal Surface Location (5)
Cancelled/Abandoned Location (2)
Plugged/Site Released - Oil (4)
API (30-015-...) BHL Status-Type (Count)
Active - Gas (1)
Active - Oil (2)
Permitted - Gas (1)
Offset Operators
-CHEVRON U S A INC
-CHISHOLM ENERGY OPERATING, LLC
-NO ACTIVE WELLS
Surface Owner
MALEY, DAVID & LAVERNE (JT)
Source: Well SHL Data - NM-OCD (2019)
-CHEVRON U S A INC
37496
37501
00421
00420
24428
37546
RICKY BOBBY SWD NO. 1
32.034458
-104.308008
24470
-NO ACTIVE WELLS
-CHISHOLM ENERGY OPERATING, LLC
44915
43105
18 17
19 20
16 15
21 22
28 27
1 " = 1,083 '
1:13,000
0 0.125 0.25 0.375 0.5
1 Miles
Map Extent
NEW MEXICO
TEXAS
EDDY
LEA
OTERO
CULBERSON
LOVING
REEVES
62
285


Ricky Bobby SWD No. 1
1 Mile Lessee(s) - BLM/SLO
Solaris Water Midstream, LLC
Eddy Co., NM
PCS: NAD 1983 SPCS NM-E FIPS 3001 (US Ft.)
Drawn by: ASG
Date: 4/24/2019
Approved by: ELR
LONQUIST & CO. LLC
PETROLEUM ENGINEERS
ENERGY ADVISORS
AUSTIN HOUSTON WICHITA DENVER CALGARY
-CHEVRON USA INC
-NMNM 113941
-CHEVRON USA INC
-V0-7296-0002
-V0-7297-0002
-COG OPERATING LLC
-NMNM 112259
RICKY BOBBY SWD NO. 1
32.034458
-104.308008
-ECHO PROD INC
-NMNM 103597
-CHEVRON USA INC
-NMNM 113942
-UNLEASED BLM MINERALS
-CHISHOLM ENERGY AGENT INC
-NMNM 113944
37496
37501
00421
00420
24428
37546
24470
43705
44915
Ricky Bobby SWD No. 1 SHL
1-Mile
NM-BLM
NM-SLO
QQ-Section (NM-PLSS 2nd Div.)
Section (NM-PLSS 1st Div.)
Township/Range (NM-PLSS)
Laterals
API (30-015-...) SHL Status-Type (Count)
Horizontal Surface Location (5)
Cancelled/Abandoned Location (2)
Plugged/Site Released - Oil (4)
API (30-015-...) BHL Status-Type (Count)
Active - Gas (1)
Active - Oil (2)
Permitted - Gas (1)
Lessee(s)
-CHEVRON USA INC; -NMNM 113941
-CHEVRON USA INC; -NMNM 113942
-CHEVRON USA INC; -V0-7296-0002; -V0-7297-0002
-CHISHOLM ENERGY AGENT INC; -NMNM 113944
-COG OPERATING LLC; -NMNM 112259
-ECHO PROD INC; -NMNM 103597
-UNLEASED BLM MINERALS
Surface Owner
MALEY, DAVID & LAVERNE (JT)
Source: Well SHL Data - NM-OCD (2019)
1 " = 1,083 '
1:13,000
0 0.125 0.25 0.375 0.5 1 Miles
EDDY
LEA
OTERO
Map Extent
NEW MEXICO
TEXAS
LOVING
CULBERSON
REEVES

Ricky Bobby SWD No. 1 - Notice of Affected Parties						
Solaris Water Midstream, LLC						
TRACT ID	**COUNTY CLERK**	**MAILING ADDRESS**	**PHONE**	**TRACKING #**	**DATE SHIPPED**	**DATE RECEIVED**
	OIL CONSERVATION DIVISION DISTRICT II	811 S. FIRST ST., ARTESIA, NM 88210		USPS - 7018 1130 0001 5497 2333	4/25/2019	
	OIL CONSERVATION DIVISION DISTRICT IV	1220 S ST FRANCIS DR, SANTA FE, NM 87505		FEDEX - 7750 6846 1360	4/26/2019	
	SURFACE LANDOWNER	**MAILING ADDRESS**				
	David & Laverne (JT) Maley	PO Box 519 Carlsbad NM 88220		USPS - 7018 1130 0001 5497 2340	4/25/2019	
	GOVERNMENT AGENCY	**MAILING ADDRESS**				
	Bureau of Land Management	620 E Greene Street Carlsbad, NM 88220		USPS - 7018 1130 0001 5497 2357	4/25/2019	
	New Mexico State Land Office	310 Old Santa Fe Trail Santa Fe, NM 87501		FEDEX - 7750 6849 5050	4/26/2019	
	AFFECTED PARTIES	**MAILING ADDRESS**				
	Chevron USA INC	6301 Deauville Blvd Midland TX 79706-2964		USPS - 7018 1130 0001 5497 2364	4/25/2019	
	Chevron USA INC	1400 Smith Street Houston TX 77002		USPS - 7018 1130 0001 5497 2371	4/25/2019	
	Chisholm Energy Operating, LLC	801 Cherry Street Fort Worth TX 76102-6825		USPS - 7018 1130 0001 5497 2388	4/25/2019	
	Chisholm Energy Agent INC	801 Cherry Street STE 1200 Unit 20 Fort Worth TX 76102-6825		USPS - 7018 1130 0001 5497 2388	4/25/2019	
	COG Operating, LLC	600 W Illinois Ave Midland TX 79701-4882		USPS - 7018 1130 0001 5497 2395	4/25/2019	
	Echo Prod Inc	PO Box 1210 Graham TX 76450		USPS - 7018 1130 0001 5497 2401	4/25/2019	

Notices were sent for the Ricky Bobby SWD No. 1 application by mailing them a copy of the Form C-108 on 4/26/2019

Sincerely,

Ramona K. Hovey

Sr. Petroleum Engineer / Conquest Oil Co., LLC

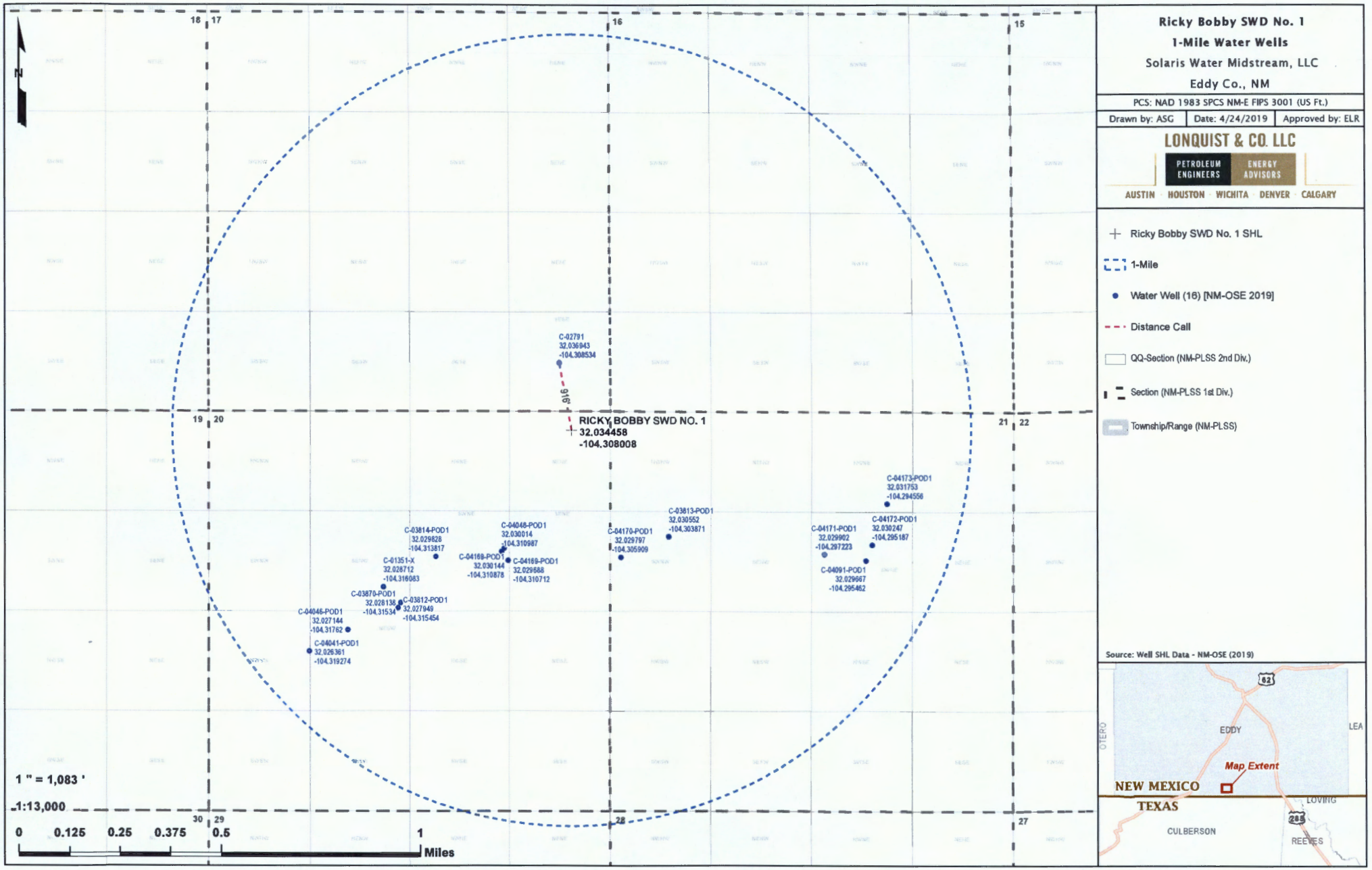
Agent for Solaris Water Midstream

Ricky Bobby SWD No. 1
1 Mile Area of Review List

API (30-015-...)	WELL NAME	WELL TYPE	STATUS	OPERATOR	TVD (FT.)	LATITUDE (NAD83 DD)	LONGITUDE (NAD83 DD)	SPUD DATE	FIELD
3749[illegible]	JUMPING SPRING 16 STATE COM #001	G	A	CHEVRON U S A INC	9286	32.0470161000	-104.291404700	1/28/2010	[97882] MILEPOST, WOLFCAMP, NE (G) (ABOLISH); [98220] PURPLE SAGE, WOLFCAMP (GAS)
43705	COTTONWOOD 29 32 FEDERAL COM WCB #004H	O	A	CHISHOLM ENERGY OPERATING, LLC	9082	32.02022817000	-104.31042797000	11/25/2017	[64010] WELCH, BONE SPRING; [98220] PURPLE SAGE, WOLFCAMP (GAS)
43703	COTTONWOOD 29 32 FEDERAL COM WCA #003H	O	A	CHISHOLM ENERGY OPERATING, LLC	8171	32.0202280000	-104.310622000	12/27/2017	[64010] WELCH, BONE SPRING; [98220] PURPLE SAGE, WOLFCAMP (GAS)
44915	COTTONWOOD 29 32 FEDERAL COM WCB #005H	G	N	CHISHOLM ENERGY OPERATING, LLC	0	32.0202279100	-104.310815430	12/31/9999	[98220] PURPLE SAGE, WOLFCAMP (GAS)
37501	JUMPING SPRING 16 STATE COM #002	G	C	CIMAREX ENERGY CO. OF COLORADO	0	32.0443737720	-104.304230010	12/31/9999	-
37546	JUMPING SPRING 16 STATE COM #003	G	C	CIMAREX ENERGY CO. OF COLORADO	0	32.0400526220	-104.300420914	12/31/9999	-
00420	PRE-ONGARD WELL #001	O	P	PRE-ONGARD WELL OPERATOR	0	32.0434914000	-104.316055300	1/1/1900	-
00421	PRE-ONGARD WELL #001	O	P	PRE-ONGARD WELL OPERATOR	0	32.0435486000	-104.316055300	1/1/1900	-
24470	PRE-ONGARD WELL #002	O	P	PRE-ONGARD WELL OPERATOR	0	32.0301552000	-104.312751800	1/1/1900	-
24428	PRE-ONGARD WELL #001	O	P	PRE-ONGARD WELL OPERATOR	0	32.0411758000	-104.309135400	1/1/1900	-

Ricky Bobby SWD No. 1
1 Mile Offset Operators and Lessees List

S/T/R	QQ UNIT LETTER(S)	OPERATOR	MINERAL LESSEE	MINERAL OWNER	SURFACE OWNER	ADDRESS 1	ADDRESS 2
16/T26S/R26E	B,C,D,E,F,G	CHEVRON U S A INC	-	-	-	6301 DEAUVILLE BLVD	MIDLAND, TX 79706
	ENTIRE SECTION	-	CHEVRON USA INC	-	-	1400 SMITH STREET	HOUSTON, TX 77002
17/T26S/R26E	ENTIRE SECTION	-	CHEVRON USA INC	-	-	6301 DEAUVILLE	MIDLAND TX 797062964
18/T26S/R26E	I,P	-	COG OPERATING LLC	-	-	600 W ILLINOIS AVE	MIDLAND TX 797014882
19/T26S/R26E	A,H	-	ECHO PROD INC	-	-	PO BOX 1210	GRAHAM TX 76450
20/T26S/R26E	A,B,C,D,E,F,G,H,I,J,O,P	-	CHEVRON USA INC	-	-	6301 DEAUVILLE	MIDLAND TX 797062964
21/T26S/R26E	ENTIRE SECTION	-	CHEVRON USA INC	-	-	6301 DEAUVILLE	MIDLAND TX 797062964
28/T26S/R26E	D	CHISHOLM ENERGY OPERATING, LLC	-	-	-	801 CHERRY STREET	FORT WORTH, TX 76102
	D	-	CHISHOLM ENERGY AGENT INC	-	-	801 CHERRY ST STE 1200 UNIT 20	FORT WORTH TX 761026825
29/T26S/R26E	A,B	CHISHOLM ENERGY OPERATING, LLC	-	-	-	801 CHERRY STREET	FORT WORTH, TX 76102
	A,B	-	CHISHOLM ENERGY AGENT INC	-	-	801 CHERRY ST STE 1200 UNIT 20	FORT WORTH TX 761026825
20/T26S/R26E	A,E,F,G,H	-	-	-	MALEY, DAVID & LAVERNE (JT)	PO BOX 519	CARLSBAD NM 88220


Ricky Bobby SWD No. 1
1-Mile Water Wells
Solaris Water Midstream, LLC
Eddy Co., NM
PCS: NAD 1983 SPCS NM-E FIPS 3001 (US Ft.)
Drawn by: ASG
Date: 4/24/2019
Approved by: ELR
LONQUIST & CO. LLC
PETROLEUM ENGINEERS
ENERGY ADVISORS
AUSTIN HOUSTON WICHITA DENVER CALGARY
Ricky Bobby SWD No. 1 SHL
1-Mile
Water Well (16) [NM-OSE 2019]
Distance Call
QQ-Section (NM-PLSS 2nd Div.)
Section (NM-PLSS 1st Div.)
Township/Range (NM-PLSS)
Source: Well SHL Data - NM-OSE (2019)
RICKY BOBBY SWD NO. 1
32.034458
-104.308008
C-02791
32.036943
-104.308534
916
C-03814-POD1
32.029828
-104.313817
C-04046-POD1
32.030014
-104.310987
C-01351-X
32.028712
-104.316083
C-04168-POD1
32.030144
-104.310878
C-04169-POD1
32.029588
-104.310712
C-03870-POD1
32.028138
-104.31534
C-03812-POD1
32.027949
-104.315454
C-04046-POD1
32.027144
-104.31762
C-04041-POD1
32.026361
-104.319274
C-03813-POD1
32.030552
-104.303871
C-04170-POD1
32.029797
-104.305909
C-04173-POD1
32.031753
-104.294556
C-04172-POD1
32.030247
-104.295187
C-04171-POD1
32.029902
-104.297223
C-04091-POD1
32.029667
-104.295462
1 " = 1,083 '
1:13,000
0 0.125 0.25 0.375 0.5 1 Miles
Map Extent
NEW MEXICO
TEXAS
EDDY
LEA
OTERO
CULBERSON
LOVING
REEVES

Ricky Bobby SWD No. 1
Offsetting Produced Water Analysis

Well Name	API	Section	Township	Range	Unit	County	Field	Formation	ph	tds_mgL	sodium_mgL	calcium_mgL	iron_mgL	magnesium_mgL	manganese_mgL	chloride_mgL	bicarbonate_mgL	sulfate_mgL	co2_mgL
FED J #001	3001522471	6	26S	27E	E	EDDY		DELAWARE	8.5	263830						157000	78	3700	
BRADLEY FEDERAL #002	3001500387	11	24S	26E	P	EDDY	BLACK RIVER	DELAWARE		230993						137300	650	3099	
STEPHENS FEDERAL #001	3001520218	14	25S	24E	O	EDDY		DELAWARE		2130						8	16	1500	
HOPI FEDERAL #001	3001529367	1	25S	28E	F	EDDY	WILLOW LAKE	DELAWARE	6.2	301207	109024	25348.9	34.713	2749.51		221998	74.4534	84.987	
HOPI FEDERAL #002	3001530754	1	25S	28E	C	EDDY		DELAWARE	5.9	289700	104602	23783.6	45.334	2914.5		212544	49.5095	508.218	
HOPI FEDERAL #002	3001530754	1	25S	28E	C	EDDY		DELAWARE	6.31	170840	61640.3	5280.8	94.08	4275.04		116903	110.88	1667.68	
ESTILL AD FED #001	3001522118	19	24S	26E	J	EDDY	WHITE CITY	PENNSYLVANIAN	7	19085		990	0	130		10000	645	1320	
WHITE CITY PENN GAS COM UNIT 1 #001	3001500408	29	24S	26E	A	EDDY	WHITE CITY	PENNSYLVANIAN		19085						10000	645	1320	
R.S. STATE #001	3001501132	27	24S	27E	N	EDDY		PENNSYLVANIAN		48387						26570	1505	2263	
O'NEILL FEDERAL #001	3001520301	11	24S	26E	L	EDDY	CARLSBAD SOUTH	MORROW	5.7	123887	49189.7	2808	351			81000	368.28	81	
MONA LISA #002	3001523094	7	25S	27E	K	EDDY		MORROW	6.17	92832.7	32968.1	2979.66	621.16	387.96		59225.4	204.58	293.62	
JURNEGAN POINT #001	3001510280	5	24S	25E	M	EDDY	WILDCAT	MORROW	6.81	216221						129200	293	1910	
GOVERNMENT 134 #001	3001500076	12	26S	24E	H	EDDY	WASHINGTON RANCH	MORROW		1837									
GOVERNMENT 134 #001	3001500076	12	26S	24E	H	EDDY	WASHINGTON RANCH	MORROW		2009						40	73	1320	
SIGNAL ST #002	3001502520	28	25S	28E	N	EDDY		MORROW		102849									
CHAPARRAL OZ FEDERAL #001	3001521179	17	24S	24E	H	EDDY	CROOKED CREEK	MORROW	5.8	147533		8880	62.5	346		90312	122	25	
SOUTH ROCK TANK #001	3001521215	2	24S	24E	G	EDDY	BALDRIDGE CANYON	MORROW	6.9	24841						14200	891	500	
IRRITABLE 22 STATE COM #002H	3001541359	22	25S	27E	B	EDDY		BONE SPRING 2ND SAND	6.8	161087	48367	8782.3	48.9	1151.9		100324.4		544	560
ODIE 4 STATE #001H	3001541311	4	25S	28E	M	EDDY		BONE SPRING 2ND SAND	6.2	190675.4	57102	10650	45	1414	1.3	119078	93.1	17	252
NERMAL 4 STATE #001H	3001541239	4	25S	28E	C	EDDY		BONE SPRING 2ND SAND	7.4	208311.9	67903	12598	31	1592	1.5	123723	61	1.7	260
POOKY 4 STATE #001H	3001541241	4	25S	28E	A	EDDY		BONE SPRING 2ND SAND	7	204576.5	63037.2	12091.9	28.2	1510.7	1.6	125493	48.8	0	0
DOC HOLLIDAY 32 STATE COM #001	3001541145	32	24S	27E	D	EDDY		BONE SPRING 2ND SAND	7.3	127681.6	43933.7	2003.8	31.4	394.2	0	77098	195.2	0	50
PREACHER 19 FEDERAL #003H	3001541887	19	24S	27E	O	EDDY		BONE SPRING 2ND SAND	7.4	312558	120501	1427.3	43.3	362.7	0	186000	201.4	3947	180
PREACHER 19 FEDERAL #003H	3001541887	19	24S	27E	O	EDDY		BONE SPRING 2ND SAND	7.4	312550	120501	1427.3	43.3	362.7	0	186000	201.4	0	180
JOSEY WALES 16 STATE COM #003H	3001541090	16	24S	27E	O	EDDY		BONE SPRING 2ND SAND	6.5	179141.4	59469	7527.1	41	943.9	0	109122.7	73.2	0	250
DOC HOLLIDAY 32 STATE COM #001	3001541145	32	24S	27E	D	EDDY		BONE SPRING 2ND SAND	7	203230.2	65823.6	9280.1	59.4	1154	1.17	124268.5	48.8	0	300
HABANERO 17 FEDERAL COM #001H	3001536108	17	24S	27E	A	EDDY		WOLFCAMP	6.5	108205	35110.8	4480.2	28.5	627.9	0.61	65927.2	146	0	300
SERRANO 29 FEDERAL #001H	3001537763	29	24S	27E	H	EDDY		WOLFCAMP	6.5	100994.9	28702.1	5341.9	46.2	619.5	1.46	63450.1	268	0	350
WHITE CITY PENN GAS COM UNIT 1 #001	3001500408	29	24S	26E	A	EDDY		WOLFCAMP	7		6000	990	0	130		10000	645	1320	
LEE J FED #001	3001505973	18	24S	26E	J	EDDY		WOLFCAMP	8.1							9100		7300	
WHITE CITY PENN GAS COM UNIT 1 #001	3001500408	29	24S	26E	A	EDDY		DEVONIAN	7		6072	1002		132		10120	653	1336	
JURNEGAN POINT #001	3001510280	5	24S	25E	M	EDDY	WILDCAT	DEVONIAN	7	229706						136964	198	2511	
JURNEGAN POINT #001	3001510280	5	24S	25E	M	EDDY	WILDCAT	DEVONIAN	7	203100						121100	175	2220	
BRADLEY FEDERAL #006	3001500386	11	24S	26E	I	EDDY	HOBBS	SAN ANDRES	8.5	10492						5070	618	413	
BRADLEY #007	3001500385	11	24S	26E	O	EDDY	HOBBS	SAN ANDRES	8.8	6811						2948	429	887	

Water Rights Summary - Ricky Bobby SWD No. 1										
Well Name	Use	Use of Well	Status	POD Status	Owner Last Name	Owner First Name	Well Depth	Water Depth	UTM Easting	UTM Northing
C 01351 X	IRR	null	DCL	null	CLANTON	CHARLES	25	null	564581	3543822
C 03812 POD1	STK	null	PMT	ACT	MALEY	DAVID	96	15	564641	3543738
C 03813 POD1	STK	null	EXP	PEN	MALEY	DAVID	null	null	565732.9	3544033
C 03814 POD1	STK	null	EXP	PEN	MALEY	DAVID	null	null	564794.2	3543947
C 03870 POD1	SAN	null	PMT	PEN	RENAGED CONSTRUCTION	null	null	null	564651.6	3543759
C 04041 POD1	STK	null	PMT	ACT	MALEY	DAVID	100	60	564281.4	3543560
C 04046 POD1	EXP	null	PMT	ACT	MALEY	DAVID	140	100	564437	3543647
C 04048 POD1	EXP	null	PMT	ACT	MALEY	DAVID	140	80	565061.3	3543969
C 04091 POD1	EXP	null	PMT	ACT	MALEY	DAVID	140	85	566527.6	3543940
C 04170 POD1	EXP	null	PMT	ACT	MALEY	DAVID	136	12	565477.9	3543927
C 04169 POD1	EXP	null	PMT	PEN	MALEY	DAVID	null	null	565087.5	3543934
C 04168 POD1	EXP	null	PMT	PEN	MALEY	DAVID	null	null	565071.5	3543984
C 04171 POD1	EXP	null	PMT	ACT	MALEY	DAVID	153	null	566392.9	3543992
C 04172 POD1	EXP	null	PMT	ACT	MALEY	DAVID	116	22	566553.4	3544005
C 04173 POD1	EXP	null	PMT	ACT	MALEY	DAVID	117	22	566611.6	3544172
C 02791	EXP	null	PMT	PEN	KUKUI OPERATING COMPANY	null	100	null	565288	3544739

New Mexico Office of the State Engineer
Water Right Summary

WR File Number: C 01351 **Subbasin:** CUB **Cross Reference:** -

Primary Purpose: IRR IRRIGATION

Primary Status: DCL DECLARATION

Total Acres: 258.7 **Subfile:** - **Header:** -

Total Diversion: 776.1 **Cause/Case:** -

Owner: CHARLES CLANTON

Documents on File

Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
204713	COWNF	1968-05-09	CHG	PRC	C 01351	T	0	0	
204706	DCL	1966-11-28	DCL	PRC	C 01351 X 2	T	258.7	776.1	
204701	DCL	1966-11-28	DCL	PRC	C 01351 X	T	258.7	776.1	
204695	DCL	1966-11-28	DCL	PRC	C 01351	T	258.7	776.1	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Other Location Desc
C 01351			4	2	4	19	26S	26E	563772	3543411*	
C 01351 X			4	4	1	20	26S	26E	564581	3543822*	
C 01351 X-2			3	1	3	20	26S	26E	563978	3543413*	

***An (*) after northing value indicates UTM location was derived from PLSS - see Help**

Place of Use

Q 256	Q 64	Q 16	Q 4	Sec	Tws	Rng	Acres	Diversion	CU	Use	Priority	Status	Other Location Desc
			1	20	26S	26E	13.6	40.8		IRR		DCL	
			1	21	26S	26E	45.5	136.5		IRR		DCL	
			2	19	26S	26E	0.6	1.8		IRR		DCL	
			2	20	26S	26E	52.6	157.8		IRR		DCL	
			2	21	26S	26E	89.2	267.6		IRR		DCL	
			3	20	26S	26E	36.4	109.2		IRR		DCL	
			4	19	26S	26E	19.9	59.7		IRR		DCL	
			4	20	26S	26E	0.9	2.7		IRR		DCL	

Source

Acres	Diversion	CU	Use	Priority	Source Description
258.7	776.1		IRR		GW

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

New Mexico Office of the State Engineer
Water Right Summary

WR File Number: C 02791 **Subbasin:** CUB **Cross Reference:** -

Primary Purpose: EXP EXPLORATION

Primary Status: PMT PERMIT

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 0 **Cause/Case:** -

Owner: KUKUI OPERATING COMPANY

Contact: LARRY K. STRIDER

Documents on File

Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
203767	EXPL	2001-01-16	PMT	APR	C 02791	T	0	0	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Other Location Desc
C 02791			4	4		17	26S	26E	565288	3544739*	

*An (*) after northing value indicates UTM location was derived from PLSS - see Help

Source

Acres	Diversion	CU	Use	Priority	Source Description
0	0		EXP		GW

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New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: C 03812 **Subbasin:** C **Cross Reference:** -

Primary Purpose: STK 72-12-1 LIVESTOCK WATERING

Primary Status: PMT PERMIT

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 3 **Cause/Case:** -

Owner: DAVID MALEY

Contact: JASON MALEY

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	558405	72121	2014-11-25	PMT	LOG	C 03812 POD1	T		3	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Other Location Desc
C 03812 POD1		Shallow	4	4	1	20	26S	26E	564641	3543737	

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New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: C 03813 **Subbasin:** C **Cross Reference:** -

Primary Purpose: STK 72-12-1 LIVESTOCK WATERING

Primary Status: EXP EXPIRED

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 0 **Cause/Case:** -

Owner: DAVID MALEY

Contact: JASON MALEY

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	558407	72121	2014-11-25	EXP	EXP	C 03813 POD1	T			3

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Other Location Desc
C 03813 POD1			2	3	1	21	26S	26E	565733	3544033	

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New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: C 03814 **Subbasin:** C **Cross Reference:** -

Primary Purpose: STK 72-12-1 LIVESTOCK WATERING

Primary Status: EXP EXPIRED

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 0 **Cause/Case:** -

Owner: DAVID MALEY

Contact: JASON MALEY

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	558409	72121	2014-11-25	EXP	EXP	C 03814 POD1	T			3

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Other Location Desc
C 03814 POD1			1	3	2	20	26S	26E	564794	3543947	

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New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: C 03870 **Subbasin:** C **Cross Reference:** -

Primary Purpose: SAN 72-12-1 SANITARY IN CONJUNCTION WITH A COMMERCIAL USE

Primary Status: PMT PERMIT

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 1 **Cause/Case:** -

Owner: RENAGED CONSTRUCTION

Contact: JASON MALEY

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	567569	72121	2015-04-23	PMT	APR	C 03870 POD1	T			1

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Other Location Desc
C 03870 POD1			4	4	1	20	26S	26E	564652	3543758	

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New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: C 04041 **Subbasin:** C **Cross Reference:** -

Primary Purpose: STK 72-12-1 LIVESTOCK WATERING

Primary Status: PMT PERMIT

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 3 **Cause/Case:** -

Agent: DAVID MALEY

Contact: DON TITUS

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	604820	72121	2017-03-29	PMT	LOG	C 04041 POD1	T		3	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Other Location Desc
C 04041 POD1	NA	Shallow	2	1	3	20	26S	26E	564281	3543559	NORTH HAY HOLLOW CANYON

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: C 04046 **Subbasin:** CUB **Cross Reference:** -

Primary Purpose: EXP EXPLORATION

Primary Status: PMT PERMIT

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 0 **Cause/Case:** -

Owner: DAVID MALEY

Contact: DON TITUS

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	605937	EXPL	2017-04-18	PMT	LOG	C 04046 POD1	T	0	0	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Other Location Desc
C 04046 POD1	NA	Shallow	1	2	3	20	26S	26E	564437	3543647	

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New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: C 04048 **Subbasin:** CUB **Cross Reference:** -

Primary Purpose: EXP EXPLORATION

Primary Status: PMT PERMIT

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 0 **Cause/Case:** -

Owner: DAVID MALEY

Contact: DON TITUS

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	605949	EXPL	2017-04-18	PMT	LOG	C 04048 POD1	T	0	0	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Other Location Desc
C 04048 POD1	NA	Shallow	2	3	2	20	26S	26E	565061	3543969	NEAR BUTCHER SPRING

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New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: C 04091 **Subbasin:** CUB **Cross Reference:** -

Primary Purpose: EXP EXPLORATION

Primary Status: PMT PERMIT

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 0 **Cause/Case:** -

Owner: DAVID MALEY

Contact: DON TITUS

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	608455	EXPL	2017-06-15	PMT	LOG	C 04091 POD1	T	0	0	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Other Location Desc
C 04091 POD1		Shallow	2	3	2	21	26S	26E	566528	3543940	HAY HOLLOW CANYON

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New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: C 04168 **Subbasin:** CUB **Cross Reference:** -

Primary Purpose: EXP EXPLORATION

Primary Status: PMT PERMIT

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 0 **Cause/Case:** -

Agent: DAVID MALEY

Contact: DON TITUS

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	616869	EXPL	2017-11-30	PMT	APR	C 04168 POD1	T	0	0	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Other Location Desc
C 04168 POD1	NA		2	3	2	20	26S	26E	565072	3543983	

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New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: C 04169 **Subbasin:** CUB **Cross Reference:** -

Primary Purpose: EXP EXPLORATION

Primary Status: PMT PERMIT

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 0 **Cause/Case:** -

Agent: DAVID MALEY

Contact: DON TITUS

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	616873	EXPL	2017-11-30	PMT	APR	C 04169 POD1	T	0	0	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Other Location Desc
C 04169 POD1	NA		2	3	2	20	26S	26E	565088	3543933	

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: C 04170 **Subbasin:** CUB **Cross Reference:** -

Primary Purpose: EXP EXPLORATION

Primary Status: PMT PERMIT

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 0 **Cause/Case:** -

Agent: DAVID MALEY

Contact: DON TITUS

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	616875	EXPL	2017-11-30	PMT	LOG	C 04170 POD1	T	0	0	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Other Location Desc
C 04170 POD1	NA	Shallow	4	4	2	20	26S	26E	565478	3543926	

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New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: C 04171 **Subbasin:** CUB **Cross Reference:** -

Primary Purpose: EXP EXPLORATION

Primary Status: PMT PERMIT

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 0 **Cause/Case:** -

Agent: DAVID MALEY

Contact: DON TITUS

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	617099	EXPL	2017-12-07	PMT	LOG	C 04171 POD1	T	0	0	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Other Location Desc
C 04171 POD1	NA	Shallow	1	3	2	21	26S	26E	566393	3543991	

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: C 04172 **Subbasin:** CUB **Cross Reference:** -

Primary Purpose: EXP EXPLORATION

Primary Status: PMT PERMIT

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 0 **Cause/Case:** -

Agent: DAVID MALEY

Contact: DON TITUS

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	617103	EXPL	2017-12-07	PMT	LOG	C 04172 POD1	T	0	0	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Other Location Desc
C 04172 POD1	NA	Shallow	2	3	2	21	26S	26E	566553	3544004	NA

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

New Mexico Office of the State Engineer
Water Right Summary

get image list

WR File Number: C 04173 **Subbasin:** CUB **Cross Reference:** -

Primary Purpose: EXP EXPLORATION

Primary Status: PMT PERMIT

Total Acres: **Subfile:** - **Header:** -

Total Diversion: 0 **Cause/Case:** -

Agent: DAVID MALEY

Contact: DON TITUS

Documents on File

	Trn #	Doc	File/Act	Status 1	Status 2	Transaction Desc.	From/ To	Acres	Diversion	Consumptive
get images	617104	EXPL	2017-12-07	PMT	LOG	C 04173 POD1	T	0	0	

Current Points of Diversion

(NAD83 UTM in meters)

POD Number	Well Tag	Source	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Other Location Desc
C 04173 POD1	NA	Shallow	4	1	2	21	26S	26E	566612	3544172	

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CARLSBAD CURRENT-ARGUS

AFFIDAVIT OF PUBLICATION

Ad No.
0001283981

LONQUIST FIELD SERVICE
1001 MCKINNEY ST., SUITE 1650

HOUSTON TX 77002

I, a legal clerk of the **Carlsbad Current-Argus**, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

04/23/19

Legal Clerk

Subscribed and sworn before me this
23th of April 2019.

State of WI, County of Brown
NOTARY PUBLIC

9-19-21

My Commission Expires

VICKY FELTY
NOTARY
PUBLIC
STATE OF WISCONSIN

Ad#:0001283981
P O : 0001283981
# of Affidavits :0.00

Legal Notice
Solaris Water Midstream, LLC, 907 Tradewinds Blvd., Suite B, Midland, TX 79706, is filling Form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division for administrative approval for its salt water disposal well Ricky Bobby SWD No. 1. The proposed well will be located 250' FNL & 500' FEL in Section 20, Township 26S, Range 26E in Eddy County, New Mexico. Disposal water will be sourced from area production, and will be injected into the Devonian-Silurian formation (determined by offset log analysis) through an open hole completion between a maximum applied for top of 12,845 feet to a maximum depth of 14,300 feet. The maximum surface injection pressure will not exceed 2,569 psi with a maximum rate of 40,000 BWPD. Interested parties opposing the action must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days. Additional information can be obtained from the applicant's agent, Lonquist & Co., LLC, at (512) 600-1774.
April 23, 2019 #1283981

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

OIL CONSERVATION DIVISION
DISTRICT II
811 S FIRST STREET
ARETSIA NM 88210
1979-RICKY BOBBY SWD #1

9590 9402 4694 8323 0113 51

2. Article Number *(Transfer from service label)*
7018 1130 0001 5497 2333

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
- ☒ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over $500)
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- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
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Domestic Return Receipt

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

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- ☐ Return Receipt (electronic) $
- ☐ Certified Mail Restricted Delivery $
- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

Postage
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Postmark Here

OIL CONSERVATION DIVISION
DISTRICT II
811 S FIRST STREET
ARETSIA NM 88210
1979-RICKY BOBBY SWD #1

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

DAVID & LAVERNE (JT) MALEY
PO BOX 519
CARLSBAD NM 88210

1979-RICKY BOBBY SWD #1

9590 9402 4694 8323 0113 68

2. Article Number *(Transfer from service label)*
7018 1130 0001 5497 2340

PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
- ☑ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☑ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over $500)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
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- ☐ Adult Signature Required $
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DAVID & LAVERNE (JT) MALEY
PO BOX 519
CARLSBAD NM 88210

1979-RICKY BOBBY SWD #1

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

BUREAU OF LAND MGMT
620 E GREENE STREET
CARLSBAD NM 88220

1979-RICKY BOBBY SWD #1

9590 9402 4694 8323 0113 75

2. Article Number (Transfer from service label)
7018 1130 0001 5497 2357

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by (Printed Name) | C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
- ☒ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over $500)
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- ☐ Certified Mail Restricted Delivery $
- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

Postage
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Total
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Sent

Street

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BUREAU OF LAND MGMT
620 E GREENE STREET
CARLSBAD NM 88220

1979-RICKY BOBBY SWD #1

PS Form 3800, April 2015 PSN 7530-02-000-0047 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

CHEVRON USA INC
6301 DEAUVILLE BLVD
MIDLAND TX 79706-2964

1979-RICKY BOBBY SWD #1

9590 9402 4694 8323 0113 82

2. Article Number *(Transfer from service label)*
7018 1130 0001 5497 2364

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* | C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
- ☒ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over $500)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
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PS Form 3811, July 2015 PSN 7530-02-000-9053 Domestic Return Receipt

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- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

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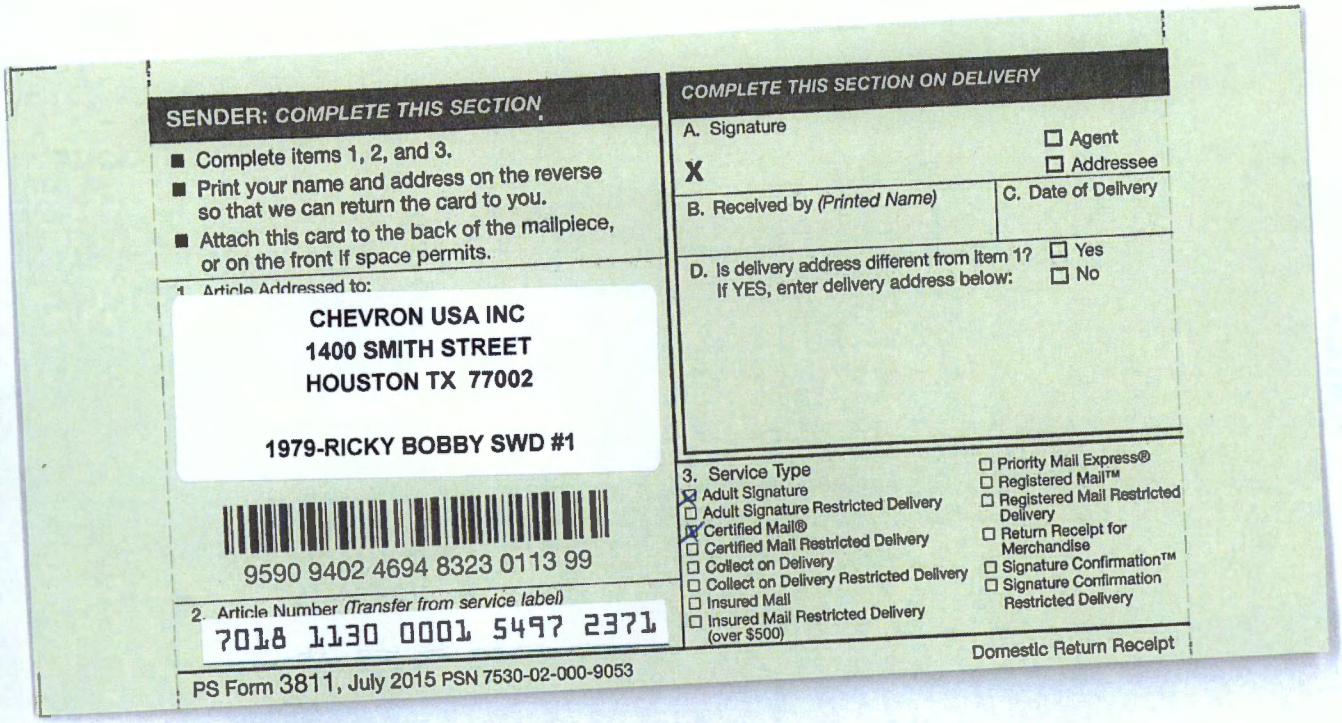
CHEVRON USA INC
6301 DEAUVILLE BLVD
MIDLAND TX 79706-2964

1979-RICKY BOBBY SWD #1

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

CHEVRON USA INC
1400 SMITH STREET
HOUSTON TX 77002

1979-RICKY BOBBY SWD #1

9590 9402 4694 8323 0113 99

2. Article Number *(Transfer from service label)*
7018 1130 0001 5497 2371

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X
☐ Agent
☐ Addressee

B. Received by *(Printed Name)*

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
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☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Certified Mail Restricted Delivery
☐ Collect on Delivery
☐ Collect on Delivery Restricted Delivery
☐ Insured Mail
☐ Insured Mail Restricted Delivery (over $500)
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To
CHEVRON USA INC
1400 SMITH STREET
HOUSTON TX 77002

1979-RICKY BOBBY SWD #1

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

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- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

CHISHOLM ENERGY OPERATING LLC
CHISHOLM ENERGY AGENT INC
801 CHERRY STREET
STE 1200, UNIT 20
FT WORTH TX 76102-6825
1979-RICKY BOBBY SWD #1

9590 9402 4694 8323 0114 05

2. Article Number *(Transfer from service label)*
7018 1130 0001 5497 2388

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* | C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
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- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over $500)
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- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
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- ☐ Adult Signature Required $
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Postage
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CHISHOLM ENERGY OPERATING LLC
CHISHOLM ENERGY AGENT INC
801 CHERRY STREET
STE 1200, UNIT 20
FT WORTH TX 76102-6825
1979-RICKY BOBBY SWD #1

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

COG OPERATING LLC
600 W ILLINOIS AVE
MIDLAND TX 79701-4882

1979-RICKY BOBBY SWD #1

9590 9402 4694 8323 0114 12

2. Article Number *(Transfer from service label)*
7018 1130 0001 5497 2395

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* | C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
- ☒ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
- ☐ Collect on Delivery Restricted Delivery
- ☐ Insured Mail
- ☐ Insured Mail Restricted Delivery (over $500)
- ☐ Priority Mail Express®
- ☐ Registered Mail™
- ☐ Registered Mail Restricted Delivery
- ☐ Return Receipt for Merchandise
- ☐ Signature Confirmation™
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- ☐ Return Receipt (electronic) $
- ☐ Certified Mail Restricted Delivery $
- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

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COG OPERATING LLC
600 W ILLINOIS AVE
MIDLAND TX 79701-4882

1979-RICKY BOBBY SWD #1

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1 Article Addressed to:

ECHO PROD INC
PO BOX 1210
GRAHAM TX 76450

1979-RICKY BOBBY SWD #1

9590 9402 4694 8323 0114 29

2 Article Number *(Transfer from service label)*
7018 1130 0001 5497 2401

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* | C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
- ☒ Adult Signature
- ☐ Adult Signature Restricted Delivery
- ☒ Certified Mail®
- ☐ Certified Mail Restricted Delivery
- ☐ Collect on Delivery
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- ☐ Insured Mail
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- ☐ Certified Mail Restricted Delivery $
- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

Postage
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Total
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Sent To

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City, S

ECHO PROD INC
PO BOX 1210
GRAHAM TX 76450

1979-RICKY BOBBY SWD #1

Postmark Here

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

April 25, 2019

David & Laverne (JT) Maley
PO Box 519, Carlsbad NM 88220

Subject: **Ricky Bobby SWD No. 1 Authorization to Inject**

To Whom It May Concern:

Attached for your review is Form C-108, Application for Authorization to Inject, and its supplemental documents prepared for Solaris Water Midstream LLC's Ricky Bobby SWD No. 1 well. Section XIV of Form C-108 requires that the surface land owner on which the well is located and each leasehold operator within a one-half mile radius of the proposed well location be furnished with the application. The notice of application has been extended to a one-mile radius.

According to the New Mexico Oil Conservation Division, surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date in which this application was mailed to them.

Any questions should be directed towards Solaris Water Midstream LLC's agent, Lonquist & Co., LLC.

Regards,

Ramona K. Hovey

Ramona K. Hovey
Sr. Petroleum Engineer
Lonquist & Co., LLC

(512) 600-1777
ramona@lonquist.com

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

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

FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance ___X___ Disposal _____ Storage
Application qualifies for administrative approval? ___X___ Yes _____ No

II. OPERATOR: Solaris Water Midstream, LLC

ADDRESS: 701 Tradewinds Blvd., Suite C, Midland, TX 79706

CONTACT PARTY: Whitney McKee PHONE: 432-203-9020

III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? _____ Yes ___X___ No
If yes, give the Division order number authorizing the project: _____

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).

*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: Ramona Hovey TITLE: Consulting Engineer – Agent for Solaris Water Midstream

SIGNATURE: _____ DATE: 4/25/2019

E-MAIL ADDRESS: ramona@lonquist.com

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

Side 2

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

(1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.

(2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.

(3) A description of the tubing to be used including its size, lining material, and setting depth.

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

(1) The name of the injection formation and, if applicable, the field or pool name.

(2) The injection interval and whether it is perforated or open-hole.

(3) State if the well was drilled for injection or, if not, the original purpose of the well.

(4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.

(5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

(1) The name, address, phone number, and contact party for the applicant;

(2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;

(3) The formation name and depth with expected maximum injection rates and pressures; and,

(4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

Side 1

INJECTION WELL DATA SHEET

OPERATOR: Solaris Water Midstream, LLC

WELL NAME & NUMBER: Ricky Bobby SWD No. 1

WELL LOCATION:	250' FNL 500' FEL	A	20	26S	26E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 18.125"

Cemented with: 511 sx.

Top of Cement: surface

Casing Size: 16.00"

or _____ ft³

Method Determined: circulation

Intermediate Casing

Hole Size: 14.750"

Cemented with: 365 sx.

Top of Cement: surface

Casing Size: 13.375"

or _____ ft³

Method Determined: circulation

Production Casing

Hole Size: 12.250"

Cemented with: 1734 sx.

Top of Cement: surface

Casing Size: 9.625"

or _____ ft³

Method Determined: circulation

Liner

Hole Size: 8.500"

Cemented with: 489 sx.

Top of Cement: 8,300'

Total Depth: 14,300'

Casing Size: 7.625"

or _____ ft³

Method Determined: calculation

Injection Interval

12,845 feet to 14,300 feet

(Open Hole)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 5.5", 20 lb/ft, HCL-80, BTC from 0' – 8,100' and 5", 18 lb/ft, HCL-80, LTC from 8,100'-12,795'
Lining Material: Duoline

Type of Packer: Nickel Plated Double Grip Retrievable Packer or Equivalent

Packer Setting Depth: 12,795'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? ___X___Yes _____No

   If no, for what purpose was the well originally drilled?

   _____

2. Name of the Injection Formation: Devonian, Fusselman

3. Name of Field or Pool (if applicable): SWD; Devonian-Silurian 97869

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used.

   No, new drill.

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

   Bell Canyon: 1,865
   Cherry Canyon: 2,730
   Brushy Canyon: 3,790
   Bone Spring: 5,375'
   Wolfcamp: 8,400'
   Cisco: 10,375'
   Strawn: 10,600'
   Atoka: 10,830'
   Morrow: 11,515'

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
SOLARIS WATER MIDSTREAM, LLC 701 TRADEWINDS BLVD., SUITE C MIDLAND, TX 79706	371643
	3. API Number TBD

4. Property Code	5. Property Name	6. Well No.
	RICKY BOBBY SWD	1

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
A	20	26 S	26 E		250	N	500	E	EDDY

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
SWD; Devonian-Silurian	97869

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
N	SWD	R	Private	3,388'
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	14,300'	Devonian-Silurian	TBD	ASAP

Depth to Ground water	Distance from nearest fresh water well	Distance to nearest surface water
80'	916 feet	>1 mile

☒ **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	18.125"	16"	84 lb/ft	440'	511	Surface
Intermediate	14.75"	13.375"	68 lb/ft	1,840'	365	Surface
Production	12.25"	9.625"	53.5 lb/ft	8500'	1734	Surface
Liner	8.5"	7.625"	39 lb/ft	8,300'-12,845'	489	8,300
Tubing		5.5" & 5"	20 lb/ft & 18 lb/ft	0' – 8,100' & 8,100' – 12,795'	N/A	

Casing/Cement Program: Additional Comments

See attached schematic.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Hydraulic/Blinds, Pipe	8,000 psi	10,000 psi	TBD – Schaffer/Cameron

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.** Signature: Ramona Hovey		OIL CONSERVATION DIVISION	
		Approved By:	
Printed name: Ramona Hovey		Title:	
Title: Consulting Engineer		Approved Date:	Expiration Date:
E-mail Address: ramona@lonquist.com			
Date: April 25, 2018	Phone: 512-600-1777	Conditions of Approval Attached	

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
Phone (575) 393-6161 Fax: (575) 393-0720
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Phone (505) 334-6178 Fax: (505) 334-6170
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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 Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011

Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name

Property Code	Property Name	Well Number
	RICKY BOBBY SWD	1
OGRID No.	**Operator Name**	**Elevation**
	SOLARIS WATER MIDSTREAM	3388'

Surface Location

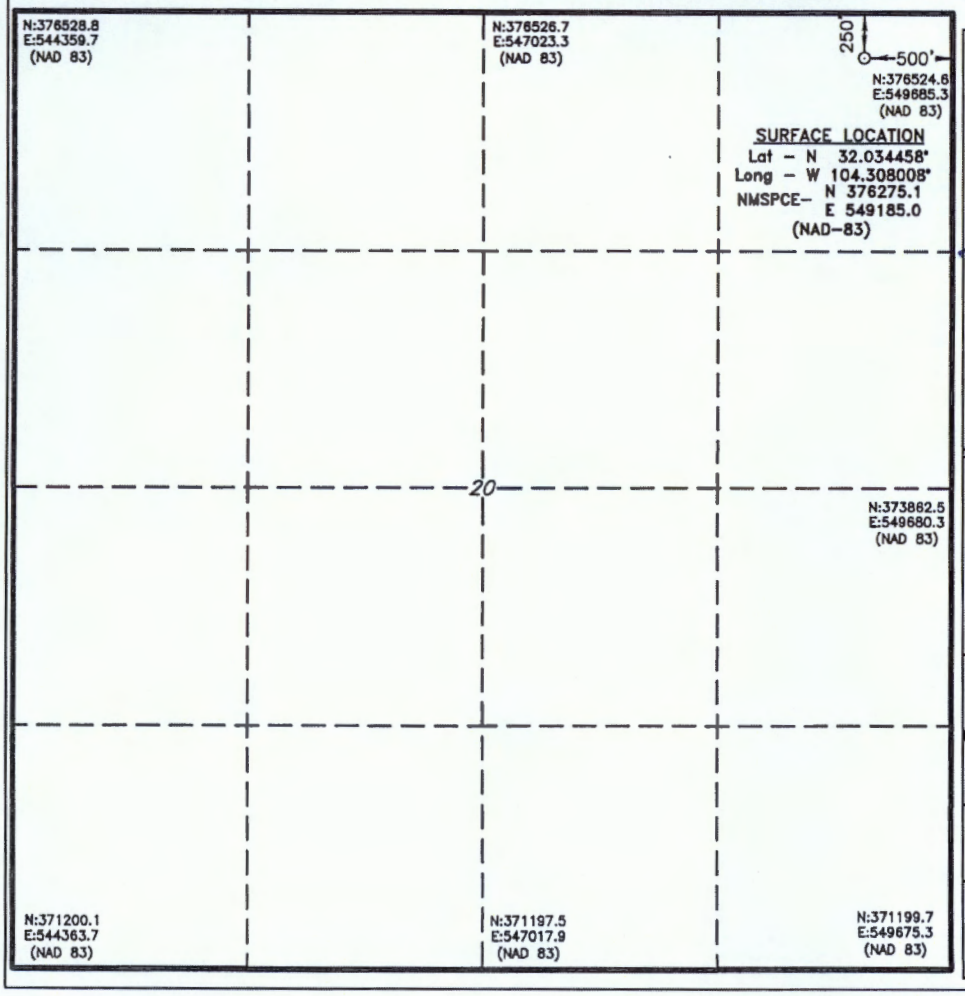
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	20	26 S	26 E		250'	NORTH	500'	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature 4/25/19 Date

RAMONA HOVEY
Printed Name

ramona@longuist.com
Email Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervison, and that the same is true and correct to the best of my belief.

APRIL 4, 2019
Date Surveyed

Signature & Seal of Professional Surveyor

GARY L. JONES
NEW MEXICO
7977
REGISTERED PROFESSIONAL LAND SURVEYOR

Certificate No. Gary L. Jones 7977
BASIN SURVEYS

0' 500' 1000' 1500' 2000'
SCALE: 1" = 1000'
WO Num.: 34461

Solaris Water Midstream, LLC

Ricky Bobby SWD No. 1

FORM C-108 Supplemental Information

III. Well Data

A. Wellbore Information

1.

Well information	
Lease Name	Ricky Bobby SWD
Well No.	1
Location	S-20 T-26S R-26E
Footage Location	250' FNL & 500' FEL

2.

a. Wellbore Description

Casing Information				
Type	Surface	Intermediate	Production	Liner
OD	16"	13.375"	9.625"	7.625"
WT	0.495"	0.480"	0.545"	0.500"
ID	15.010"	12.415"	8.535"	6.625"
Drift ID	14.822"	12.259"	8.379"	6.500"
COD	17.000"	13.375"	10.625"	7.625"
Weight	84 lb/ft	68 lb/ft	53.5 lb/ft	39 lb/ft
Grade	J-55 BTC	L-80, EZ-GO FJ3	HCP-110 BTC	Q-125 EZ-GO FJ3
Hole Size	18.125"	14.75"	12.25"	8.5"
Depth Set	440'	1,840'	8,500'	8,300' – 12,845'

b. Cementing Program

Cement Information					
Casing String	Conductor	Surface	Intermediate	Production	Liner
Lead Cement	EXTENDACEM™	HALCEM™	HALCEM™	NEOCEM™ IL2	NEOCEM™
Lead Cement Volume (sacks)	250	-	232	Stage 1: 977 Stage 2: 168	-
Lead Cement Density (ft3/sack)	1.694	-	1.664	Stage 1: 2.731 Stage 2: 2.732	-
Tail Cement	-	HALCEM™	HALCEM™	NEOCEM™/HALCEM™	VERSACEM™
Tail Cement Volume (sacks)	-	511	133	Stage 1: 475 Stage 2: 114	489
Tail Cement Density (ft3/sack)	-	1.332	1.332	Stage 1: 1.056 Stage 2: 1.336	1.223
Cement Excess	0%	50%	30%	50%, 0%	50%
Total Sacks	250	511	365	1734	489
TOC	Surface	Surface	Surface	Surface	8,300'
Method	Circulate to Surface	Circulate to Surface	Circulate to Surface	Circulate to Surface	Logged

3. Tubing Description

Tubing Information	
OD	5.5" 5.0"
WT	0.361" 0.362"
ID	4.778" 4.276"
Drift ID	4.653" 4.151"
COD	6.050" 5.563"
Weight	20 lb/ft 18 lb/ft
Grade	HCL-80 BTC HCL-80 LTC
Depth Set	0-8,100' 8,100'-12,795'

Tubing will be lined with Duoline.

4. Packer Description

   Nickel Plated Double Grip Retrievable Packer or Equivalent

B. Completion Information

1. Injection Formation: Devonian, Fusselman
2. Gross Injection Interval: 12,845'-14,300'

   Completion Type: Open Hole
3. Drilled for injection.
4. See the attached wellbore schematic.
5. Oil and Gas Bearing Zones within area of well:

Formation	Depth
Bell Canyon	1,865
Cherry Canyon	2,730
Brushy Canyon	3,790
Bone Spring	5,375'
Wolfcamp	8,400'
Cisco	10,375'
Strawn	10,600'
Atoka	10,830'
Morrow	11,515'

VI. Area of Review

No wells within the area of review penetrate the proposed injection zone.

VII. Proposed Operation Data

1. Proposed Daily Rate of Fluids to be Injected:

   Average Volume: 30,000 BPD
   Maximum Volume: 40,000 BPD
2. Closed System
3. Anticipated Injection Pressure:

Average Injection Pressure: 1,927 PSI (surface pressure)
Maximum Injection Pressure: 2,569 PSI (surface pressure)

4. The injection fluid is to be locally produced water. It is expected that the source water will predominantly be from the Bone Spring, Delaware, and Morrow formations. Attached are produced water sample analyses taken from the closest wells that feature samples from the Bone Spring, Delaware, Devonian, Morrow, Pennsylvanian, San Andreas, Wolfcamp.

5. The disposal interval is non-productive. No water samples are available from the surrounding area.

VIII. Geological Data

Devonian Formation Lithology:

The Devonian formation is a dolomitic ramp carbonate that occurs below the Woodford shale and above the Fusselman formation. Strata found in the Devonian formation include two major groups, the Wristen Buildups and the Thirtyone Deepwater Chert, with the Wristen being more abundant. The Wristen Groups is composed of mixed limestone and dolomites with mudstone to grainstone and boundstone textures. Porosity in the Wristen group is a result of both primary and secondary development. Present are moldic, vugular, karstic (including collapse breccia) features that allow for higher porosities and permeabilities. The Thirtyone Formation contains two end-member reservoir facies, skeletal packstones/grainstones and spiculitic chert, with most of the porosity and permeability found in the coarsely crystalline cherty dolomite. These particular characteristics allow for this formation to be a tremendous Salt Water Disposal horizon.

Fusselman Formation Lithology:

The Silurian/Ordovician Fusselman Formation is stratigraphically below the Wristen Group and is above and separated from the Montoya Formation by the Sylvan Shale. The Sylvan Shale is the lower confining layer for the proposed Ricky Bobby SWD No. 1 well. Fusselman facies include a laminated skeletal wackestone in the upper part and a buildup complex in the lower part composed of ooid and bryozoan grainstones. These grainstones can also be potentially prolific zones for disposal.

A. Injection Zone: Silurian-Devonian Formation

Formation	Depth
Rustler	200'
Salado (Top of Salt)	465'
Salado (Bottom of Salt)	1,610'
Bell Canyon	1,865'
Cherry Canyon	2,730'
Brushy Canyon	3,790'
Bone Spring	5,375'
Bone Spring 1st Sand	6,240'
Bone Spring 2nd Sand	7,040'
Bone Spring 3rd Sand	8,080'
Wolfcamp	8,400'
Cisco	10,375'
Strawn	10,600'
Atoka	10,830'
Morrow	11,515'
Lower Morrow	11,745'
Barnett	12,425'
Devonian	12,845'

B. Underground Sources of Drinking Water

Sixteen (16) water wells exist within a one-mile radius of the proposed well. Water wells in the surrounding area have an average depth of 115 feet and an average water depth of 50 feet generally producing from the Carlsbad Basin. The upper Rustler may also be another USDW and will be protected.

IX. Proposed Stimulation Program

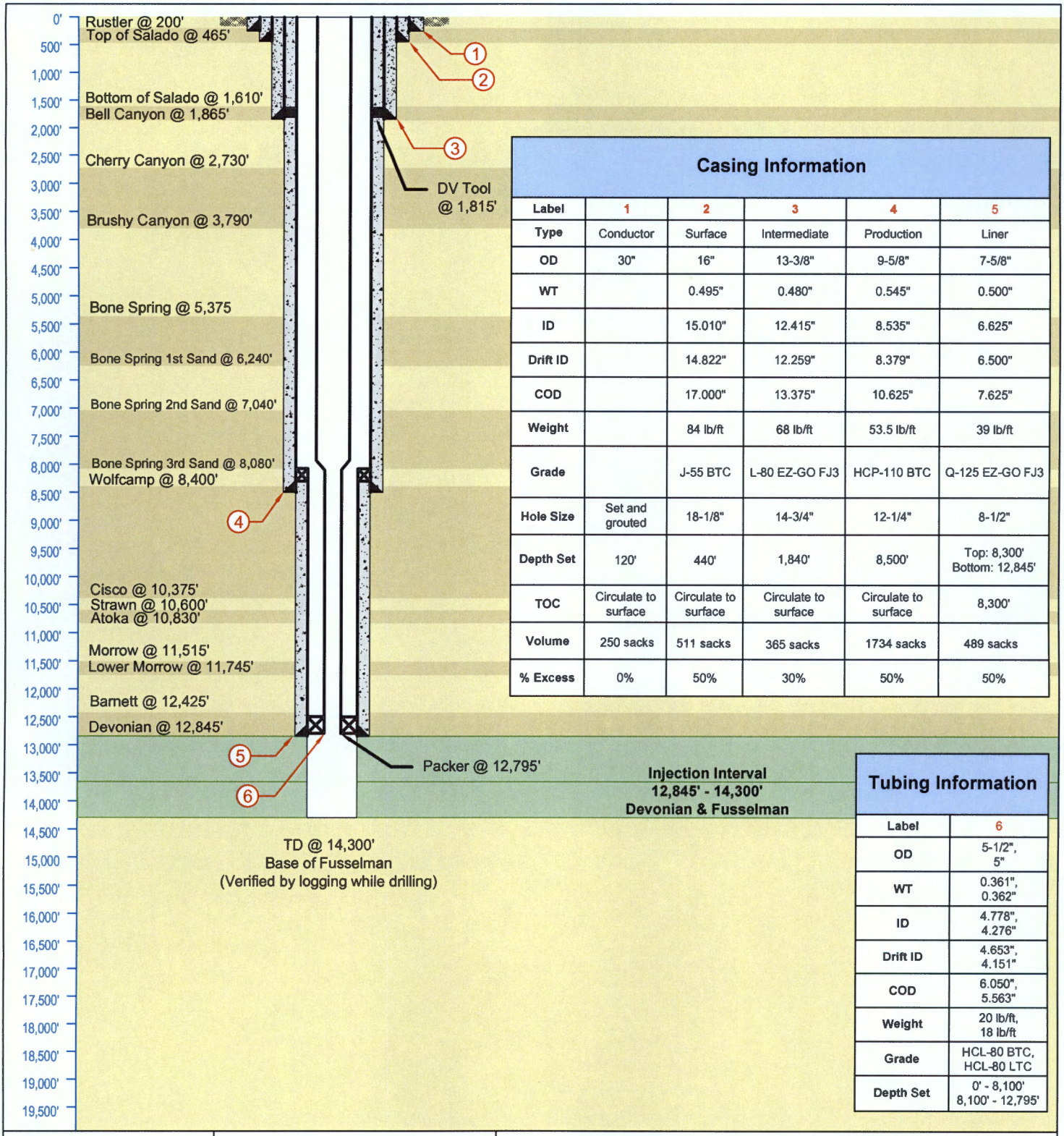
50,000 gallon acid job

X. Logging and Test Data on the Well

There are no logs or test data on the well. During the process of drilling and completion resistivity, gamma ray, and density logs will be run.

XI. Chemical Analysis of Fresh Water Wells

Attached is a map of the sixteen (16) water wells that exist within one-mile of the well location. Samples from the nearest two wells with recoverable samples present are being obtained and analysis results will be provided as soon as possible. A Water Right Summary from the New Mexico Office of the State Engineer is attached for the sixteen (16) water wells within a 1-mile radius.



Casing Information

Label	1	2	3	4	5
Type	Conductor	Surface	Intermediate	Production	Liner
OD	30"	16"	13-3/8"	9-5/8"	7-5/8"
WT		0.495"	0.480"	0.545"	0.500"
ID		15.010"	12.415"	8.535"	6.625"
Drift ID		14.822"	12.259"	8.379"	6.500"
COD		17.000"	13.375"	10.625"	7.625"
Weight		84 lb/ft	68 lb/ft	53.5 lb/ft	39 lb/ft
Grade		J-55 BTC	L-80 EZ-GO FJ3	HCP-110 BTC	Q-125 EZ-GO FJ3
Hole Size	Set and grouted	18-1/8"	14-3/4"	12-1/4"	8-1/2"
Depth Set	120'	440'	1,840'	8,500'	Top: 8,300' Bottom: 12,845'
TOC	Circulate to surface	Circulate to surface	Circulate to surface	Circulate to surface	8,300'
Volume	250 sacks	511 sacks	365 sacks	1734 sacks	489 sacks
% Excess	0%	50%	30%	50%	50%

Tubing Information

Label	6
OD	5-1/2", 5"
WT	0.361", 0.362"
ID	4.778", 4.276"
Drift ID	4.653", 4.151"
COD	6.050", 5.563"
Weight	20 lb/ft, 18 lb/ft
Grade	HCL-80 BTC, HCL-80 LTC
Depth Set	0' - 8,100' 8,100' - 12,795'

LONQUIST & CO. LLC
PETROLEUM ENGINEERS | ENERGY ADVISORS
HOUSTON | CALGARY
AUSTIN | WICHITA | DENVER

Texas License F-9147

12912 Hill Country Blvd. Ste F-200
Austin, Texas 78738
Tel: 512.732.9812
Fax: 512.732.9816

Solaris Water Midstream, LLC

Ricky Bobby SWD No. 1

Country: USA	**State/Province:** New Mexico	**County/Parish:** Eddy
Location:	**Site:** 250' FNL & 500' FEL	**Survey:** S20-T26S-R26E
API No: NA	**Field:** Devonian-Silurian (Code: 97869)	**Well Type/Status:** SWD
NMOCD District No: 2	**Project No:** 1979	**Date:** 4/22/2019
Drawn: TFM	**Reviewed:**	**Approved:**
Rev No: 1	**Notes:**	