

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) 745-1253 Fax: (575) 745-9720

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

NM OIL CONSERVATION
ARTESIA DISTRICT

Form C-101
Revised July 18, 2013

Energy Minerals and Natural Resources NOV 07 2018

Oil Conservation Division

☐ AMENDED REPORT

1220 South St. Francis Dr.

RECEIVED

Santa Fe, NM 87505

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

¹ Operator Name and Address 3BEAR FIELD SERVICES, LLC 415 W. WALL ST., STE 1212 MIDLAND, TEXAS 79701		² OGRID Number 372603
³ Property Code 322865		⁴ API Number 30-015-480 15435
⁵ Property Name BEAR TRACKER SWD		⁶ Well No. 1

⁷ Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
D	16	26S	27E		1,099	N	712	W	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: Silurian-Devonian	97869

Additional Well Information

¹¹ Work Type N	¹² Well Type SWD	¹³ Cable/Rotary R	¹⁴ Lease Type Private	¹⁵ Ground Level Elevation 3,296.55
¹⁶ Multiple N	¹⁷ Proposed Depth 15,150'	¹⁸ Formation Siluro-Devonian, Fusselman, Montoya	¹⁹ Contractor TBD	²⁰ Spud Date ASAP
Depth to Ground water 28'		Distance from nearest fresh water well 3,938'		Distance to nearest surface water > 1 mile

☒ We will be using a closed-loop system in lieu of lined pits²¹ Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Conductor	26"	20"	94 lb/ft	120'	328	Surface
Intermediate 1	17-1/2"	13-3/8"	54.5 lb/ft	440'	384	Surface
Intermediate 2	12-1/4"	9-5/8"	40 lb/ft	5,580'	1,501	Surface
Production Liner	8-1/2"	7-5/8"	39 lb/ft	5,280'-13,650'	806	5,280'
Tubing	6-1/2"	5.5"	17 lb/ft	13,550'		

Casing/Cement Program: Additional Comments

See attached schematic.

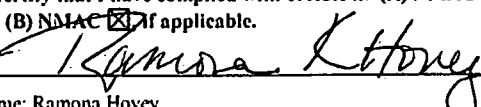
²² Proposed Blowout Prevention Program

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:



Printed name: Ramona Hovey

Title: Consulting Engineer

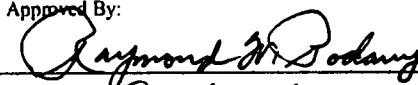
E-mail Address: ramona@lonquist.com

Date: November 2, 2018

Phone: 512-600-1777

OIL CONSERVATION DIVISION

Approved By:



Title:

Geologist

Approved Date: 11/13/18

Expiration Date: 11/13/2020

Conditions of Approval Attached

Approved C108.

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1220 S. St Francis Dr., NM 87505
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State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-102

NOV 07 2018

Revised August 1, 2011

Submit one copy to appropriate
District Office

RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-45435		2 Pool Code 97869		3 Pool Name SWD; Silurian-Devonian	
4 Property Code 322865		5 Property Name BEAR TRACKER SWD			6 Well Number #1
7 OGRID No. 372603		8 Operator Name 3BEAR FIELD SERVICES, LLC			9 Elevation 3296.55'

" Surface Location

UL or lot no. D	Section 16	Township 26 S	Range 27 E	Lot Idn	Feet from the 1099	North/South line NORTH	Feet from the 712	East/West line WEST	County EDDY
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" 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
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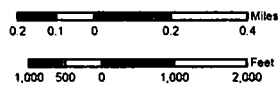
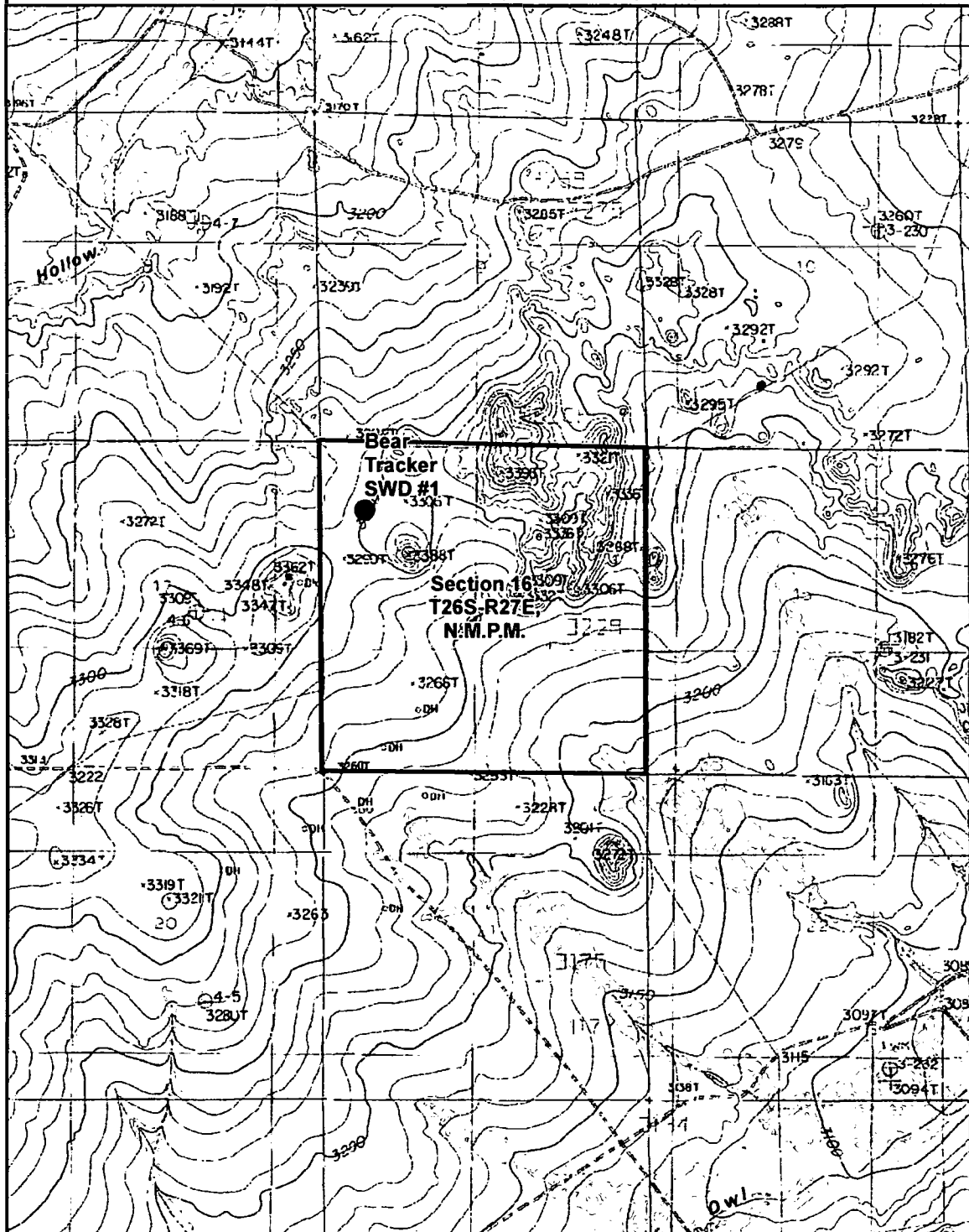
11 Dedicated Acres	12 Joint or Infill	13 Consolidation Code	14 Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

16		17 OPERATOR CERTIFICATION	
<p>GEODETIC DATA NAD 83 GRID - NM EAST</p> <p>BEAR TRACKER SWD NO. 1 Y= 380144.78 N X= 582208.71 E LAT= 32.046879 N LONG= -104.201416 W</p> <p>1 - Y= 381858.16, X= 581487.45 2 - Y= 381768.72, X= 586805.84 3 - Y= 378471.11, X= 586837.32 4 - Y= 378532.13, X= 581537.79</p>		<p>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.</p> <p><i>Ramona K. Hovey</i> 11/2/18 Signature Date</p> <p>RAMONA K. HOVEY Printed Name Date</p> <p><i>ramona@lonquist.com</i> Email Address Date</p>	
		18 SURVEYOR CERTIFICATION	
		<p>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 supervision, and that the same is true and correct to the best of my belief.</p> <p>29 OCT 2018 Date of Survey Date</p> <p><i>JEFFREY E. HUDSON</i> Signature and Seal of Professional Surveyor</p> <p>JEFFREY E. HUDSON NEW MEXICO 20559 PROFESSIONAL SURVEYOR</p> <p>Certificate Number 20559</p>	
		<p>RUP 11-13-18</p>	

LOCATION VERIFICATION MAP

Section sixteen (16), Township twenty-six (26) South,
Range twenty-seven (27) East of the Principal Meridian, Eddy County, New Mexico



Map Tech: VKV

1" = 2,000'

Date: 10/30/2018

1:24,000



1100 Macon Street
Fort Worth, Texas 76102

Northwest
Shelf

Delaware
Basin

CULBERSON

LOVING

WINKLER

ECTOR

REEVER

WARD

Coordinate System:
NAD 1983 StatePlane New Mexico East FIPS 3001 Feet
Projection: Transverse Mercator
Datum: North American 1983
False Easting: 541,337.5000
False Northing: 0.0000
Central Meridian: -104.3333
Scale Factor: 0.9999
Latitude Of Origin: 31.0000
Units: Feet US



BEAR TRACKER SWD #1

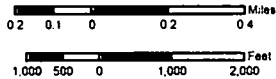
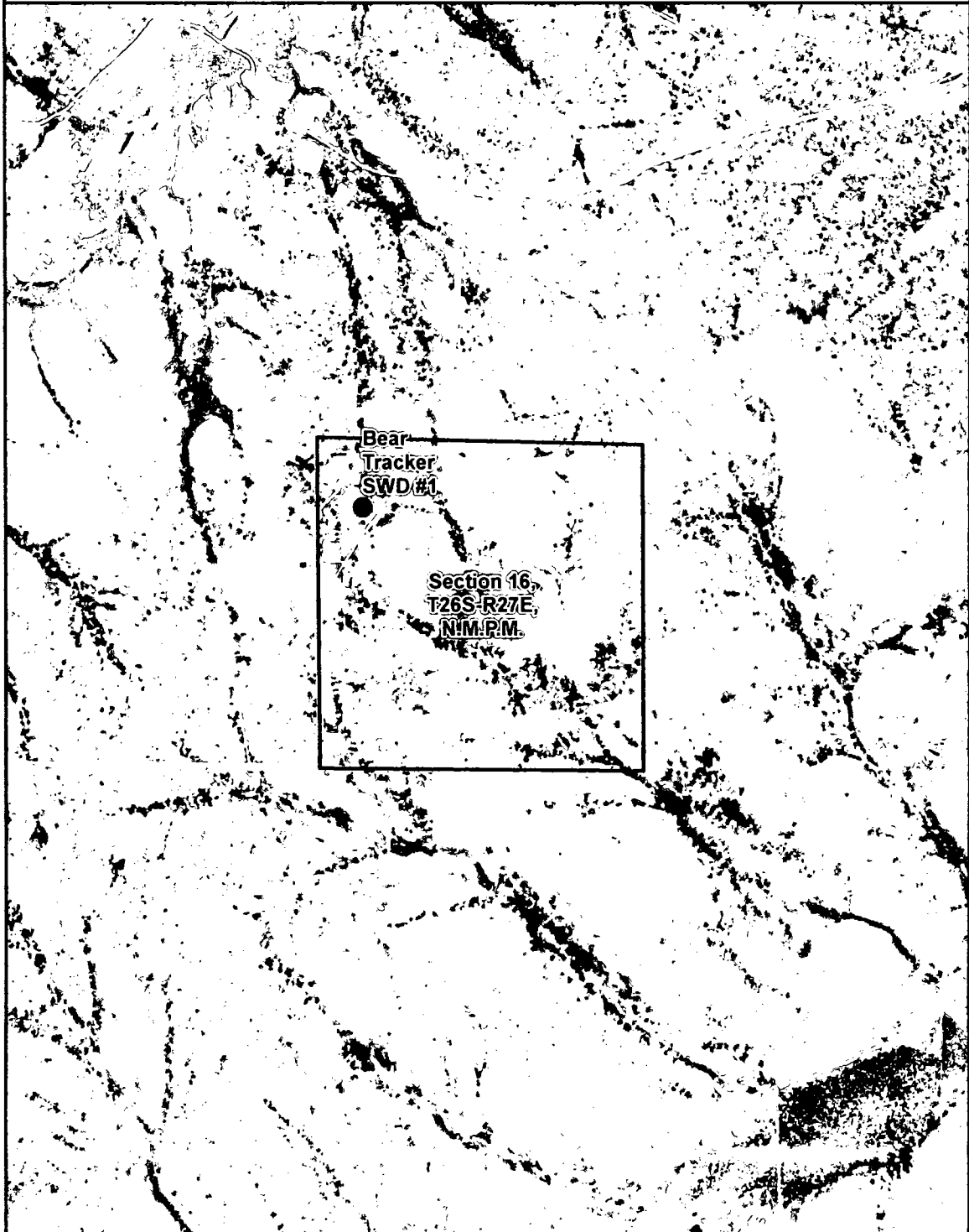
SHL Location & Penetration Point:
1099' FNL & 712' FWL
Section 16, Township 26 South,
Range 27 East of P.M.
Eddy County, New Mexico

OPERATOR:
3BEAR FIELD SERVICES, LLC



AERIAL MAP

Section sixteen (16), Township twenty-six (26) South,
Range twenty-seven (27) East of the Principal Meridian, Eddy County, New Mexico

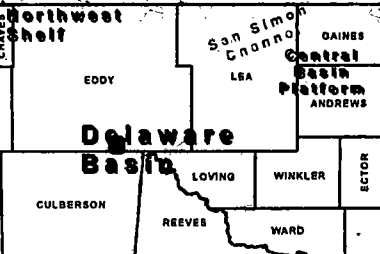


Map Tech: VKV 1" = 2,000'

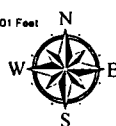
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1100 Macon Street
Fort Worth, Texas 76102



Coordinate System
NAD 1983 StatePlane New Mexico East FIPS 3001 Feet
Projection: Transverse Mercator
Datum: North American 1983
False Easting: 541,337.5000
False Northing: 0.0000
Central Meridian: -104.3333
Scale Factor: 0.9999
Latitude Of Origin: 31.0000
Units: Foot US



BEAR TRACKER SWD #1

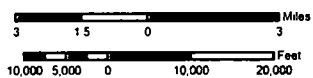
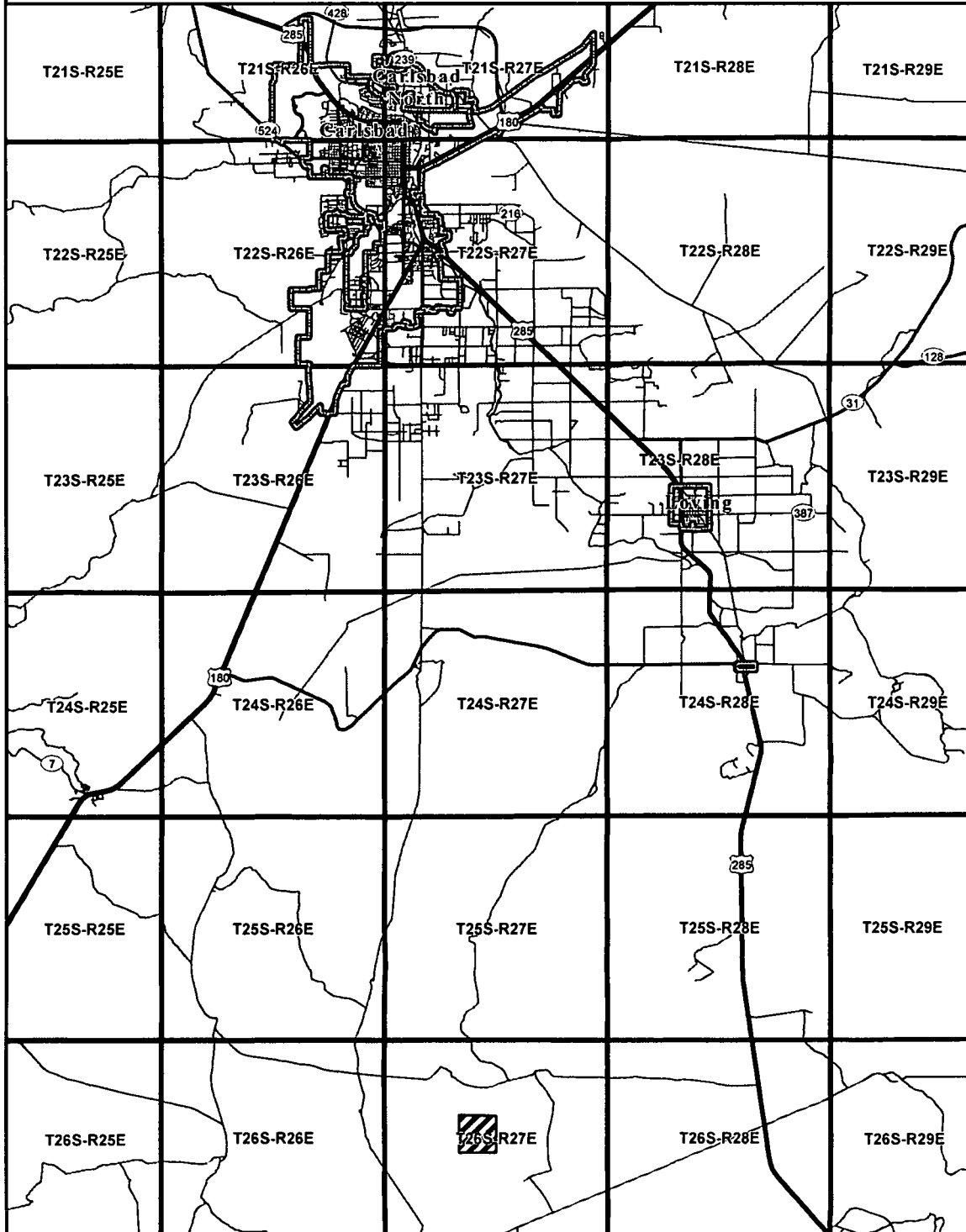
SHL Location & Penetration Point:
1099' FNL & 712' FWL
Section 16, Township 26 South,
Range 27 East of P.M.
Eddy County, New Mexico

OPERATOR:
3BEAR FIELD SERVICES, LLC



VICINITY MAP

Section sixteen (16), Township twenty-six (26) South,
Range twenty-seven (27) East of the Principal Meridian, Eddy County, New Mexico



Map Tech: VKV

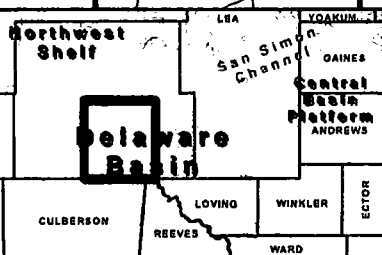
1" = 17,500'

Date: 10/30/2018

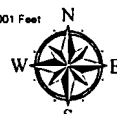
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1100 Macon Street
Fort Worth, Texas 76102



Coordinate System:
NAD 1983 StatePlane New Mexico East FIPS 3001 Feet
Projection: Transverse Mercator
Datum: North American 1983
False Easting: 541,337.5000
False Northing: 0.0000
Central Meridian: -104.3333
Scale Factor: 0.9999
Latitude Of Origin: 31.0000
Units: Foot US



BEAR TRACKER SWD #1

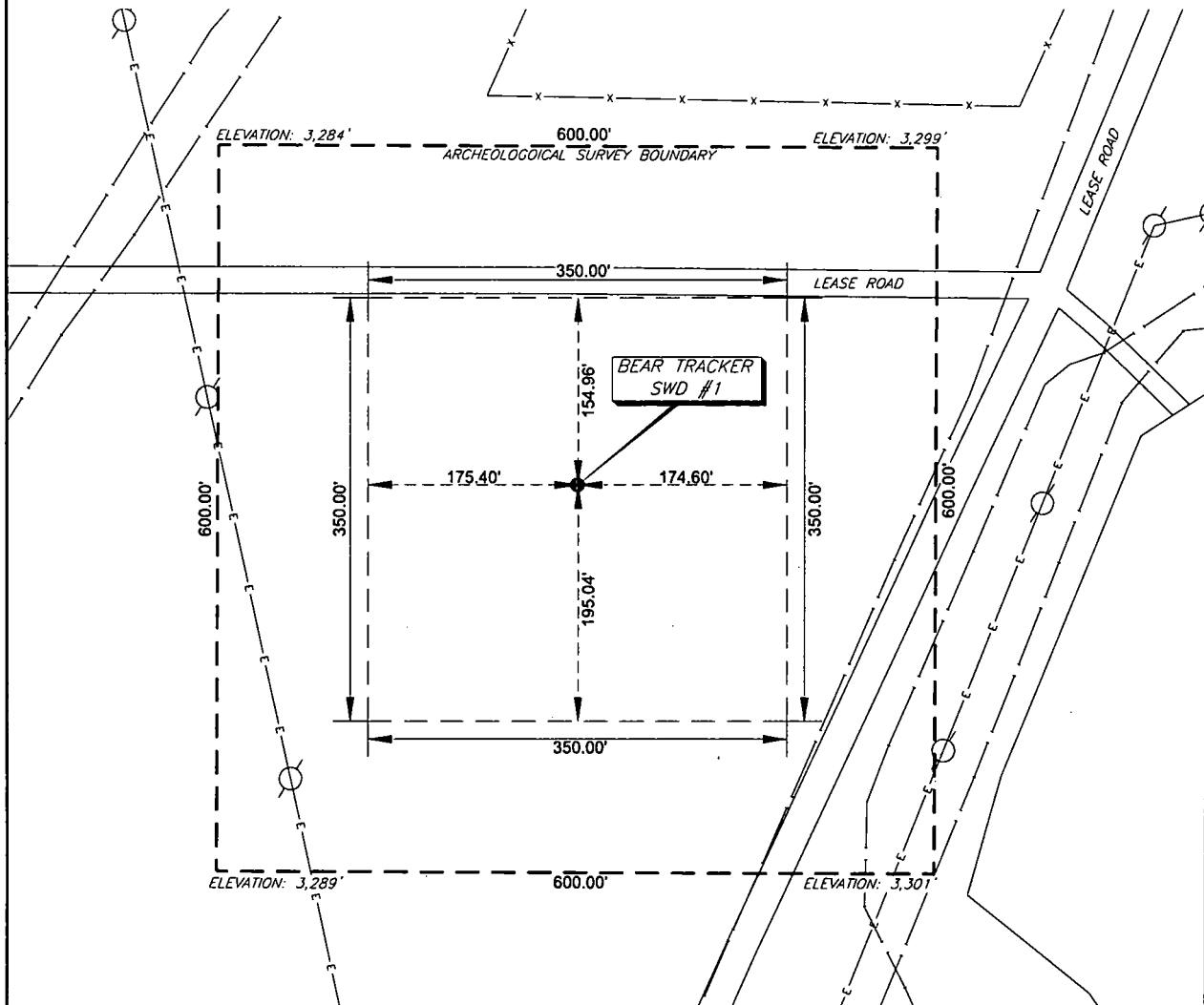
SHL Location & Penetration Point:
1099' FNL & 712' FWL
Section 16, Township 26 South,
Range 27 East of P.M.
Eddy County, New Mexico

OPERATOR:
3BEAR FIELD SERVICES, LLC



EDDY COUNTY, NEW MEXICO

SECTION SIXTEEN (16), TOWNSHIP TWENTY-SIX (26) SOUTH,
RANGE TWENTY-SEVEN (27) EAST OF THE PRINCIPAL MERIDIAN

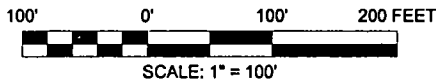


COORDINATE TABLE				
WELL NAME	NORTHING (N.A.D. 27)	EASTING (N.A.D. 27)	NORTHING (N.A.D. 83)	EASTING (N.A.D. 83)
BEAR TRACKER SWD #1 SURFACE LOCATION & PENETRATION POINT	380687.87	541025.92	380744.78	582209.71
ELEVATION	LATITUDE (N.A.D. 27)	LONGITUDE (N.A.D. 27)	LATITUDE (N.A.D. 83)	LONGITUDE (N.A.D. 83)
3,296.55'	32.046556	-104.200922	32.046679	-104.201416

LEGEND

- E—E—E—E— OVERHEAD ELECTRIC
- X—X—X—X— EXISTING PIPELINE
- X—X—X—X— FENCE LINE
- POWER POLE

THE BEAR TRACKER SWD #1 IS LOCATED
APPROXIMATELY 14 MILES SOUTHEAST OF
WHITES CITY, NEW MEXICO



NOTES:

- 1.) BEARINGS & COORDINATES SHOWN HEREON ARE REFERENCED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, N.A.D. 27 & 83 DATUM (NEW MEXICO EAST ZONE) DERIVED FROM GPS OBSERVATIONS AND ARE BASED REFERENCE STATIONS - 'E 148' - MALJAMAR NE (1985)
- 2.) LATITUDE & LONGITUDE ARE NAD 83 & 27 GEOGRAPHIC.
- 3.) THIS IS AN WELL PLAT AND DOES NOT REPRESENT A TRUE BOUNDARY SURVEY. THIS SURVEY IS BASED ON OWNERSHIP AND EASEMENT INFORMATION PROVIDED BY APACHE CORPORATION. SURVEYOR DID NOT ABSTRACT SUBJECT TRACT AND THERE MAY BE EASEMENTS OR OTHER ENCUMBRANCES THAT AFFECT THE SUBJECT TRACT THAT ARE NOT SHOWN HEREON.

TRANSGLOBAL
SERVICES LLC

1100 Macon Street
Fort Worth, Texas 76102
(817) 529-1180 - Fax (817) 529-1181



Location of

BEAR TRACKER SWD #1

Surface Location & Penetration Point: 109° FNL & 71° FNL

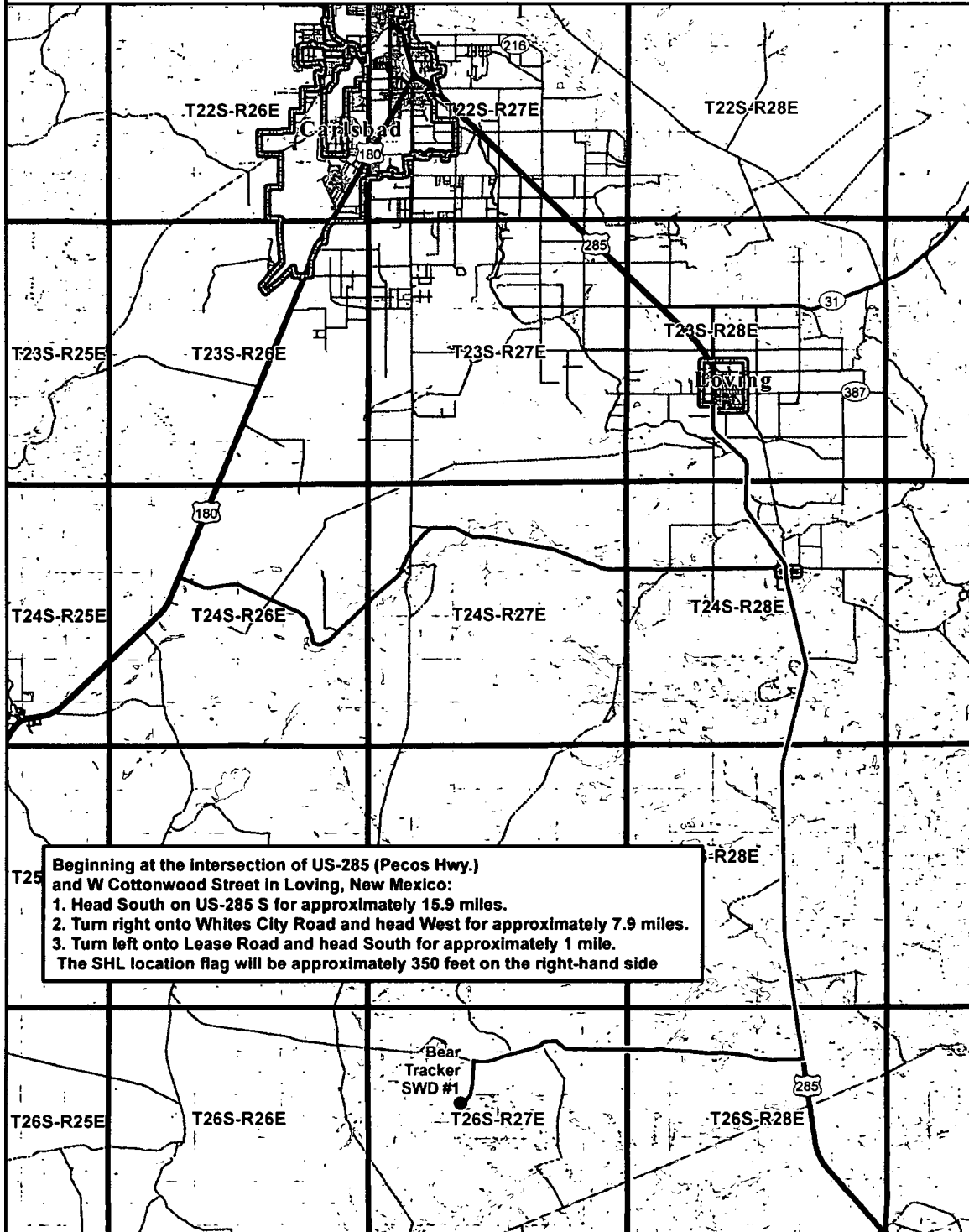
Section 16, Township 26 South, Range 27 East of P.M.

Eddy County, New Mexico

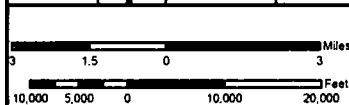
DRAWN BY: JWP	DATE: 10-22-2018	DWG. NO.	REV.
CHECKED BY: JLW	DATE: 10-22-2018	DATE: 10-22-2018	1
SCALE: 1" = 100'	APP:	CD: (File Resources) Title Resources Town: Folsom/Longlat: 1810000, Bear Tracker SWD #1 Site Location	PAGE 1 OF 1

ROAD ROUTE MAP

Section sixteen (16), Township twenty-six (26) South,
Range twenty-seven (27) East of the Principal Meridian, Eddy County, New Mexico



**Beginning at the Intersection of US-285 (Pecos Hwy.)
and W Cottonwood Street in Loving, New Mexico:**
 1. Head South on US-285 S for approximately 15.9 miles.
 2. Turn right onto Whites City Road and head West for approximately 7.9 miles.
 3. Turn left onto Lease Road and head South for approximately 1 mile.
 The SHL location flag will be approximately 350 feet on the right-hand side

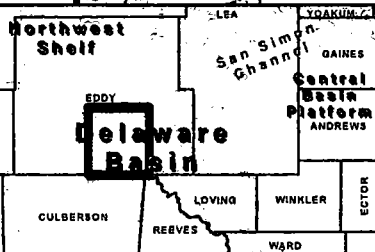


Map Tech: VKV

1" = 15,000'

Date: 10/30/2018

1:180,000



BEAR TRACKER SWD #1

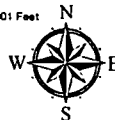
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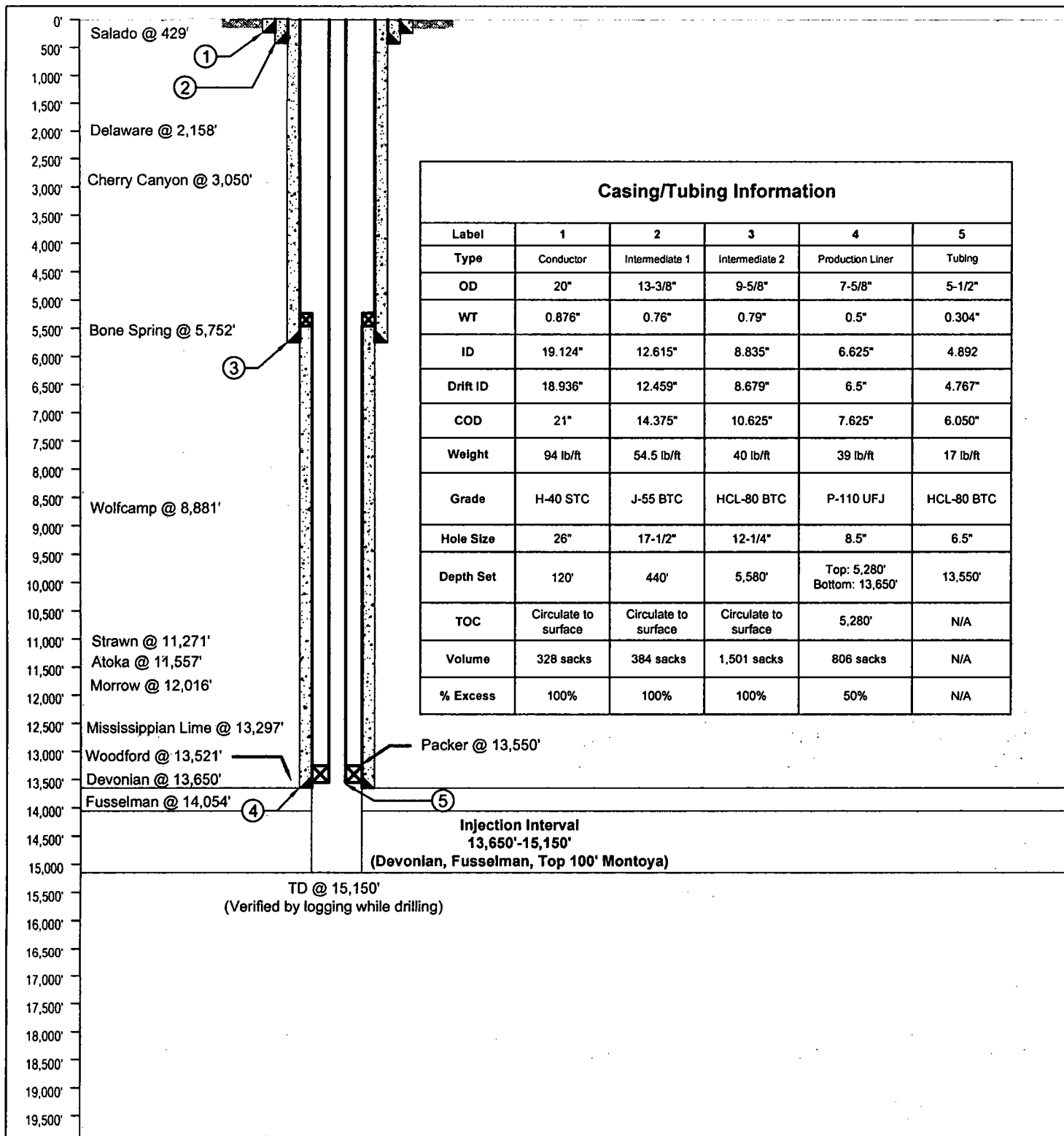
OPERATOR:
 3BEAR FIELD SERVICES, LLC



1100 Macon Street
 Fort Worth, Texas 76102

Coordinate System:
 NAD 1983 StatePlane New Mexico East FIPS 3001 Feet
 Projection: Transverse Mercator
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 False Northing: 0.0000
 Central Meridian: -104.3333
 Scale Factor: 0.9999
 Latitude Of Origin: 31.0000
 Units: Foot US





LONQUIST & CO. LLC PETROLEUM ENGINEERS ENERGY ADVISORS HOUSTON CALGARY AUSTIN WICHITA DENVER	3Bear Field Service		Bear Tracker SWD #1	
	Country: USA		State/Province: New Mexico	County/Parish: Eddy
	Location:		Site: 1,099 FNL 712 FWL	Survey: S16-T26S-R33E
	API No: NA		Field: Silurian-Devonian	Well Type/Status: SWD
	Texas License F-9147		Project No: 1784	Date: 9/24/2018
12912 Hill Country Blvd. Ste F-200 Austin, Texas 78738 Tel: 512.732.9812 Fax: 512.732.9816	NMOCD District No: 1		Reviewed:	Approved:
	Drawn: TFM		Notes:	
	Rev No: 1			