

Office
 District I – (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II – (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III – (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV – (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM
 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO. 30-025-45344
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name LIBBY BERRY FEE SWD
8. Well Number 2
9. OGRID Number 372603
10. Pool name or Wildcat SWD; DEVONIAN-SILURIAN

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other SWD/INJECTION	
2. Name of Operator 3BEAR FIELD SERVICES, LLC	
3. Address of Operator 415 W. WALL ST., STE 1212 MIDLAND, TX 79701	
4. Well Location Unit Letter <u>A</u> : <u>540</u> feet from the <u>NORTH</u> line and <u>269</u> feet from the <u>EAST</u> line Section <u>22</u> Township <u>20S</u> Range <u>34E</u> NMPM County <u>LEA</u>	
11. Elevation (Show whether DR, RKB, RT, GR, etc.)	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input checked="" type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

WENT TO PERFORM ANNUAL BRADENHEAD TEST; PRESSURE ON BACKSIDE; DETERMINED THERE WAS PARTED TUBING; NOTICE OF INTENT FOR REMEDIAL WORK AND ACID JOB
 -KILL WELL
 -RIH W/JET CUTTER AND CUT INJECTION TUBING @ 14398'MD
 -POH 5 1/2" INJECTION TUBING
 -LOCATE RXN AND SET CIBP IN RXN
 -TEST PKR TO 500 PSI
 -RIH W/5 1/2" INJECTION TUBING
 -CLEAN OUT
 -NOTIFY OCD OF MIT; CONDUCT MIT
 -AFTER SUCESSFUL MIT; PERFORM ACID JOB WITH PROCEDURE ATTACHED.

**Condition of Approval: notify
 OCD Hobbs office 24 hours
 prior of running MIT Test & Chart**

Spud Date:

02/28/2019

Rig Release Date:

05/05/2019

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Jennifer Elrod TITLE SR. REGULATORY TECH DATE 03/01/2021

Type or print name JENNIFER ELROD E-mail address: jelrod@chisholmenergy.com PHONE: 817-953-3728

For State Use Only

APPROVED BY: Kerry Fortner TITLE Compliance Officer A DATE 3/4/21
 Conditions of Approval (if any)



3 Bear Field Services LLC

LIBBY BERRY FEE SWD 002

Lea County, New Mexico

Stage 1

Prepared for: Jesse Fiedorowicz

Contact Number: 303-862-3963



Proposal ID: 3098

01/22/2021

LIBBY BERRY FEE SWD 002

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3 Bear Field Services LLC

Thank you for the opportunity to provide this proposal for your consideration. If you have any questions or require further information please feel free to contact us at any time. Cudd Energy Services appreciates the opportunity to provide this information and we look forward to being of service to you in the future.

Contact Information				
Type	Full Name	Phone	Cell	Email
Sales	Robert Stephenson	+1 (432) 570-5300	+1 (432) 425-8259	rstephenson@cudd.com

The estimated cost is for the materials and/or services outlined within. The prices in this analysis are based on Cudd Energy Services current published prices and are effective for 30 days from the date of this analysis. Prices will be reviewed if the work is awarded after 30 days of this written analysis. The projected equipment, personnel, and material needs are estimates based on the information presently available to Cudd. At the time the work is actually performed, conditions may require an increase or decrease in the equipment, personnel, and/or material required. Charges will be based upon prices in effect at the time the work is performed and the amount of equipment, personnel, and/or material actually used. Taxes, if any, are not included but will be added to the actual invoice.



3 Bear Field Services LLC

Well Data - Stage 1						
Injection Down	Formation	Frac Gradient	BHFP	Reservoir Temperature	API Number	AFE Number
Casing	Devonian	0.8	11740	170	3002545344	



3 Bear Field Services LLC

Treatment Schedule - Stage 1											
Step Num	Fluid	Stage Type	Cln. Vol. (bbls)	Cln. Vol. (gals)	Ttl. Rate (bpm)	Prop	Cum. Prop. (lbs)	Conc. (lb/gal)	Stg. Time (mins)	Cum. Time (mins)	Time Remaining (mins)
1	Fresh Water	Prepad - Establish Rate	23.8	1,000	15.0		0	0.00	1.6	1.6	71.1
2	20% 8515 ACIDTOL	Acid	285.7	12,000	25.0		0	0.00	11.4	13.0	69.5
3	10# Brine	2 PPG Salt	23.8	1,000	25.0		0	0.00	1.0	14.0	58.1
4	20% 8515 ACIDTOL	Acid	285.7	12,000	25.0		0	0.00	11.4	25.4	57.1
5	10# Brine	2 PPG Salt	23.8	1,000	25.0		0	0.00	1.0	26.3	45.7
6	20% 8515 ACIDTOL	Acid	285.7	12,000	25.0		0	0.00	11.4	37.8	44.8
7	10# Brine	2 PPG Salt	23.8	1,000	25.0		0	0.00	1.0	38.7	33.3
8	20% 8515 ACIDTOL	Acid	285.7	12,000	25.0		0	0.00	11.4	50.2	32.4
9	10# Brine	2 PPG Salt	23.8	1,000	25.0		0	0.00	1.0	51.1	21.0
10	20% 8515 ACIDTOL	Acid	285.7	12,000	25.0		0	0.00	11.4	62.5	20.0
11	Fresh Water	Flush	214.3	9,000	25.0		0	0.00	8.6	71.1	8.6

Blender Schedule - Stage 1											
Step #	Clean Rate (bpm)	Stg. Clean (bbls)	Cum. Clean (bbls)	Blender Conc. (lb/gal)	Slurry Rate (bpm)	Stg. Slurry (bbls)	Cum. Slurry (bbls)	Prop Rate (lb/m)	Stg. Prop (lbs)	Cum. Prop (lbs)	Stg. Time (mins)
1	15.00	23.8	23.8	0.00	15.00	23.8	23.8	0	0	0	1.6
2	25.00	285.7	309.5	0.00	25.00	285.7	309.5	0	0	0	11.4
3	25.00	23.8	333.3	0.00	25.00	23.8	333.3	0	0	0	1.0
4	25.00	285.7	619.0	0.00	25.00	285.7	619.0	0	0	0	11.4
5	25.00	23.8	642.9	0.00	25.00	23.8	642.9	0	0	0	1.0
6	25.00	285.7	928.6	0.00	25.00	285.7	928.6	0	0	0	11.4
7	25.00	23.8	952.4	0.00	25.00	23.8	952.4	0	0	0	1.0
8	25.00	285.7	1,238.1	0.00	25.00	285.7	1,238.1	0	0	0	11.4
9	25.00	23.8	1,261.9	0.00	25.00	23.8	1,261.9	0	0	0	1.0
10	25.00	285.7	1,547.6	0.00	25.00	285.7	1,547.6	0	0	0	11.4
11	25.00	214.3	1,761.9	0.00	25.00	214.3	1,761.9	0	0	0	8.6



3 Bear Field Services LLC

Fluid System - Stage 1		
Parts Per Thousand	UOM	Description
60,000 gals 20% 8515 ACIDTOL Additives per 1,000 gallons		
1000.00	GAL	ACIDTOL 20% HCL / 8515
2.00	GAL	FE-400
5.00	GAL	FE-6
1.00	GAL	FR-620
4.00	GAL	I-122
1.00	GAL	NE-227
4,000 gals 10# Brine Additives per 1,000 gallons		
10,000 gals Fresh Water Additives per 1,000 gallons		

LIBBY BERRY FEE SWD 002

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3 Bear Field Services LLC

Price Estimate								
Category	Product ID	Description	Quantity	Units	Price	Gross	Discount	Net Price
Additive	7975	Coarse rock salt	10,000.00	LB	\$1.250	\$12,500.000	84%	\$2,000.00
Additive	3035	NE-227	60.00	GAL	\$67.600	\$4,056.000	84%	\$648.96
Additive	7455	I-122	240.00	GAL	\$131.250	\$31,500.000	84%	\$5,040.00
Additive	7644	FE-6	300.00	GAL	\$43.500	\$13,050.000	84%	\$2,088.00
Additive	9466	FR-620	60.00	GAL	\$118.000	\$7,080.000	84%	\$1,132.80
Additive	A7666	FE-400	120.00	GAL	\$68.800	\$8,256.000	84%	\$1,320.96
Additive	9412	ACIDTOL 20% HCL / 8515	60,000.00	GAL	\$9.250	\$555,000.000	84%	\$88,800.00
Equipment	7158	Acid transport delivery charge	1.00	DAY	\$1,425.000	\$1,425.000	84%	\$228.00
Mileage and Delivery	9180	Heavy Equipment Mileage	1,980.00	MI	\$9.100	\$18,018.000	84%	\$2,882.88
Mileage and Delivery	9186	Light Equipment Mileage	220.00	MI	\$8.840	\$1,944.800	84%	\$311.16
Services	5246	1300 Hp, 0-5K, 1st 4hr	2.00	MIN	\$6,165.000	\$12,330.000	84%	\$1,972.80
Services	7155	Acid Monitoring Equipment	1.00	JOB	\$1,500.000	\$1,500.000	84%	\$240.00
Services	9129	Tank Blending prior to job	1.00	EA	\$750.000	\$750.000	84%	\$120.00
Services	5234	2200 Hp, 0-10K, 1st 4hr	2.00	MIN	\$18,750.000	\$37,500.000	84%	\$6,000.00

Total \$704,909.80
Discount (\$592,124.24)
Net Price \$112,785.56



3 Bear Field Services LLC

Product Descriptions	
Product	Description
FE-400	Neutral pH biodegradable product for dispersing iron sulfide.
FE-6	Iron Chelating agent / Acetic Acid
FR-620	Cationic friction reducer for oil field brines or fresh water.
I-122	Acid corrosion Inhibitor for use at temperatures from 140° F to 225° F.
NE-227	Non-emulsifier

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

CONDITIONS

Action 19340

CONDITIONS OF APPROVAL

Operator:				OGRID:	Action Number:	Action Type:
3BEAR FIELD SERVICES, LLC	1512 Larimer St, Suite 540	Denver, CO80202		372603	19340	C-103R

OCD Reviewer	Condition
kfortner	Run Post workover MIT test