STATE OF NEW MEXICO DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES OIL CONSERVATION DIVISON

APPLICATION OF EARTHSTONE OPERATING, LLC FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23244

HEARING EXHIBITS

Compulsory Pooling Checklist

Exhibit A	Self-Affirmed Statement of Matt Solomon
A-1	Application & Proposed Notice of Hearing
A-2	C-102s
A-3	Plat of Tracts, Tract Ownership, Pooled Parties, Unit Recapitulation
A-4	Sample Well Proposal Letter & AFEs
A-5	Chronology of Contact
Exhibit B	Self-Affirmed Statement of Jason Asmus
B-1	Resume of Jason Asmus
B-2	Location Map
B-3	First Bone Spring Sand Subsea Structure Map
B-4	Second Bone Spring Sand Subsea Structure Map
B-5	Structural Cross-Section
B-6	Gun Barrel Development Proposal
Exhibit C	Self-Affirmed Statement of Dana S. Hardy
C-1	Sample Notice Letter to All Interested Parties
C-2	Chart of Notice to All Interested Parties
C-3	Copies of Certified Mail Receipts and Returns
C-4	Affidavit of Publication of December 21, 2022

COMPULSORY POOLING APPLICATION CHECKLIST

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ALL INFORMATION IN THE APPLICATION MUST	BE SUPPORTED BY SIGNED AFFIDAVITS
Case: 23244	APPLICANT'S RESPONSE
Date:	January 5, 2023
Applicant	Earthstone Operating, LLC
Designated Operator & OGRID (affiliation if applicable)	OGRID # 331165
Applicant's Counsel:	Hinkle Shanor LLP
Case Title:	Application of Earthstone Operating, LLC, for Compulsory Pooling, Lea County, New Mexico.
Entries of Appearance/Intervenors:	Jalapeno Corporation; MRC Delaware Resources, LLC
Well Family	Bel-Air 5-8 Fed Com
Formation/Pool	
Formation Name(s) or Vertical Extent:	Bone Spring Formation
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	Bone Spring Formation
Pool Name and Pool Code:	Corbin; Bone Spring, South [13160] Tonto; Bone Spring, [59475]
Well Location Setback Rules:	Standard
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	321.48
Building Blocks:	quarter-quarter
Orientation:	North/South
Description: TRS/County	Lot 1, SE/4 NE/4, and E/2 SE/4 (E/2 E/2 equivalent) of irregular Section 5 and the E/2 E/2 of Section 8, Township 19 South, Range 33 East, Lea County
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	Yes
Other Situations	
Depth Severance: Y/N. If yes, description	N/A
Proximity Tracts: If yes, description	N/A
Proximity Defining Well: if yes, description	N/A
Applicant's Ownership in Each Tract	Exhibit A-3
Well(s)	
Well #1	Bel-Air 5-8 Fed 1BS Com 4H SHL: 125' FSL & 1655' FEL (Unit O), Section 32, T18S, R33E BHL: 100' FSL & 920' FEL (Unit P) Section 8, T19S, R33E Completion Target: First Bone Spring, (Approx. 8,902' TVD)

Received by OCD: 1/3/2023 3:48:05 PM	Page 4 of 40
C-102	Exhibit A-2
Tracts	Exhibit A-3
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit A-3
General Location Map (including basin)	Exhibit B-2
Well Bore Location Map	Exhibit B-3, B-4
Structure Contour Map - Subsea Depth	Exhibit B-3, B-4
Cross Section Location Map (including wells)	Exhibit B-5
Cross Section (including Landing Zone)	Exhibit B-5
Additional Information	
Special Provisions/Stipulations	
CERTIFICATION: I hereby certify that the information pro	ovided in this checklist is complete and accurate.
Printed Name (Attorney or Party Representative):	Dana S. Hardy
Signed Name (Attorney or Party Representative):	/s/ Dana S. Hardy
Date:	1/3/2023

STATE OF NEW MEXICO DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES OIL CONSERVATION DIVISION

APPLICATION OF EARTHSTONE OPERATING, LLC FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23244

SELF-AFFIRMED STATEMENT OF MATT SOLOMON

- 1. I am a Senior Landman with Earthstone Operating, LLC ("Earthstone"). I am over 18 years of age, have personal knowledge of the matters addressed herein, and am competent to provide this Self-Affirmed Statement. I have previously testified before the New Mexico Oil Conservation Division ("Division") and my credentials as an expert in petroleum land matters were accepted and made a matter of record.
- 2. I am familiar with the land matters involved in the above-referenced case. Copies of Earthstone's Application and proposed hearing notice are attached as **Exhibit A-1**.
- 3. None of the parties proposed to be pooled in this case indicated opposition to this matter proceeding by affidavit. Therefore, I do not expect any opposition at hearing.
- 4. Earthstone applies for an order pooling all uncommitted interests in the Bone Spring formation underlying a 321.48-acre, more or less, standard horizontal spacing unit comprised of Lot 1, SE/4 NE/4, and E/2 SE/4 (E/2 E/2 equivalent) of irregular Section 5 and the E/2 E/2 of Section 8, Township 19 South, Range 33 East, Lea County, New Mexico ("Unit").
- 5. The Unit will be dedicated to the following wells ("Wells"), which will be completed in the Corbin; Bone Spring, South Pool (Code 13160) and in the Tonto; Bone Spring Pool (Code 59475).
 - Bel-Air 5-8 Fed 1BS Com 4H well, to be drilled from a surface hole location in the SW/4 SE/4 (Unit O) of Section 32, Township 18 South, Range 33 East to a

Earthstone Operating, LLC Case No. 23244
Exhibit A

bottom hole location in the SE/4 SE/4 (Unit P) of Section 8, Township 19 South, Range 33 East; and

- Bel-Air 5-8 Fed 2BS Com 8H well, to be drilled from a surface hole location in the SW/4 SE/4 (Unit O) of Section 32, Township 18 South, Range 33 East to a bottom hole location in the SE/4 SE/4 (Unit P) of Section 8, Township 19 South, Range 33 East.
- 6. **Exhibit A-2** contains the C-102s for the Wells.
- 7. **Exhibit A-3** contains a plat that identifies ownership by tract in the Unit. This exhibit also includes any applicable lease numbers, a unit recapitulation, and the interests Earthstone seeks to pool highlighted in yellow.
- 8. Earthstone has conducted a diligent search of all county public records including phone directories and computer databases.
- 9. **Exhibit A-4** contains a sample well proposal letter and AFEs sent to the working interest owners for the Wells. The estimated costs reflected on the AFEs are fair and reasonable and comparable to the cost of other wells of similar depth and length drilled in the subject formation in the area.
- 10. In my opinion, Earthstone made a good-faith effort to reach voluntary joinder of uncommitted interests in the Wells as indicated by the chronology of contact described in **Exhibit** A-5.
- 11. Earthstone requests overhead and administrative rates of \$7,500.00 per month while the Wells are being drilled and \$750.00 per month while the Wells are producing. These rates are fair and are comparable to the rates charged by Earthstone and other operators in the vicinity.

- 12. The attached exhibits were either prepared by me or under my supervision or were compiled from company business records.
- 13. In my opinion, the granting of Earthstone's application would serve the interests of conservation, the protection of correlative rights, and the prevention of waste.
- 14. I understand this Self-Affirmed Statement will be used as written testimony in the subject cases. I affirm that my testimony above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

Matt Solomon

1.3.2023 Date

STATE OF NEW MEXICO DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES OIL CONSERVATION DIVISION

APPLICATION OF EARTHSTONE OPERATING, LLC FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23244

APPLICATION

Pursuant to NMSA 1978, § 70-2-17, Earthstone Operating, LLC (OGRID No. 331165) ("Earthstone" or "Applicant") applies for an order pooling all uncommitted interests in the Bone Spring formation underlying a 321.48-acre, more or less, standard horizontal spacing unit comprised of Lot 1, SE/4 NE/4, and E/2 SE/4 (E/2 E/2 equivalent) of irregular Section 5 and the E/2 E/2 of Section 8, Township 19 South, Range 33 East, Lea County, New Mexico ("Unit"). In support of this application, Earthstone states the following.

- 1. Applicant is a working interest owner in the Unit and has the right to drill wells thereon.
 - 2. The Unit will be dedicated to the following wells ("Wells")
 - a. The **Bel-Air 5-8 Fed 1BS Com 4H** well, to be drilled from a surface hole location in the SW/4 SE/4 (Unit O) of Section 32, Township 18 South, Range 33 East to a bottom hole location in the SE/4 SE/4 (Unit P) of Section 8, Township 19 South, Range 33 East; and
 - b. The **Bel-Air 5-8 Fed 2BS Com 8H** well, to be drilled from a surface hole location in the SW/4 SE/4 (Unit O) of Section 32, Township 18 South, Range 33 East to a bottom hole location in the SE/4 SE/4 (Unit P) of Section 8, Township 19 South, Range 33 East.
 - 3. The completed intervals of the Wells will be orthodox.

Earthstone Operating, LLC Case No. 23244 Exhibit A-1

- 4. Applicant has undertaken diligent, good-faith efforts to obtain voluntary agreements from all interest owners to participate in the drilling of the Wells but has been unable to obtain voluntary agreements from all interest owners.
- 5. The pooling of uncommitted interests will avoid the drilling of unnecessary wells, prevent waste, and protect correlative rights.
- 6. In order to allow Applicant to obtain its just and fair share of the oil and gas underlying the subject lands, all uncommitted interests in the Unit should be pooled and Applicant should be designated as the operator of the Wells and Unit.

WHEREFORE, Applicant requests that this application be set for hearing before an Examiner of the Oil Conservation Division on January 5, 2023, and, after notice and hearing as required by law, the Division enter an order:

- A. Pooling all uncommitted interests in the Unit;
- B. Approving the Wells in the Unit;
- C. Designating Applicant as operator of the Unit and the Wells to be drilled thereon;
- D. Authorizing Applicant to recover its costs of drilling, equipping and completing the Wells;
- E. Approving the actual operating charged and costs of supervision while drilling and after completion, together with a provision adjusting the rated pursuant to the COPAS accounting procedures; and
- F. Imposing a 200% penalty for the risk assumed by Applicant in drilling and completing the Wells against any working interest owner who does not voluntarily participate in the drilling of the Wells.

Respectfully submitted,

HINKLE SHANOR LLP

/s/ Dana S. Hardy

Dana S. Hardy
Jaclyn M. McLean
Yarithza Peña
P.O. Box 2068
Santa Fe, NM 87504-2068
Phone: (505) 982-4554
dhardy@hinklelawfirm.com
jmclean@hinklelawfirm.com
ypena@hinklelawfirm.com

Counsel for Earthstone Operating, LLC

Application of Earthstone Operating, LLC for Compulsory Pooling, Lea County, New Mexico. Applicant seeks an order pooling all uncommitted interests in the Bone Spring formation underlying a 321.48-acre, more or less, standard horizontal spacing unit comprised of Lot 1, SE/4 NE/4, and E/2 SE/4 (E/2 E/2 equivalent) of irregular Section 5 and the E/2 E/2 of Section 8, Township 19 South, Range 33 East, Lea County, New Mexico ("Unit"). The Unit will be dedicated to the **Bel-Air 5-8 Fed 1BS Com 4H** and **Bel-Air 5-8 Fed 2BS Com 8H** wells, which will be drilled from a surface hole location in the SW/4 SE/4 (Unit O) of Section 32, Township 18 South, Range 33 East to a bottom hole location in the SE/4 SE/4 (Unit P) of Section 8, Township 19 South, Range 33 East. The completed intervals of the Wells will be orthodox. Also to be considered will be the cost of drilling and completing the Wells and the allocation of the cost, the designation of Applicant as operator of the Wells, and a 200% charge for the risk involved in drilling and completing the Wells. The Wells are located approximately 33 miles west of Hobbs, New Mexico.

<u>District I</u>
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
<u>District II</u>

811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-9720 <u>District III</u> 1000 Rio Brazos Road, Aztec, NM 87410

Phone: (505) 334-6178 Fax: (505) 334-6170 <u>District IV</u> 1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462 State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Nam	e
	13160; 59475	Corbin; Bone Spring, South & Tonto; Bone Spr	
⁴ Property Code		Property Name	⁶ Well Number
	BEL-AIR	5-8 FED 1BS COM	4H
⁷ OGRID No.	8	Operator Name	⁹ Elevation
331165	EARTHSTON	IE OPERATING, LLC	3724.6

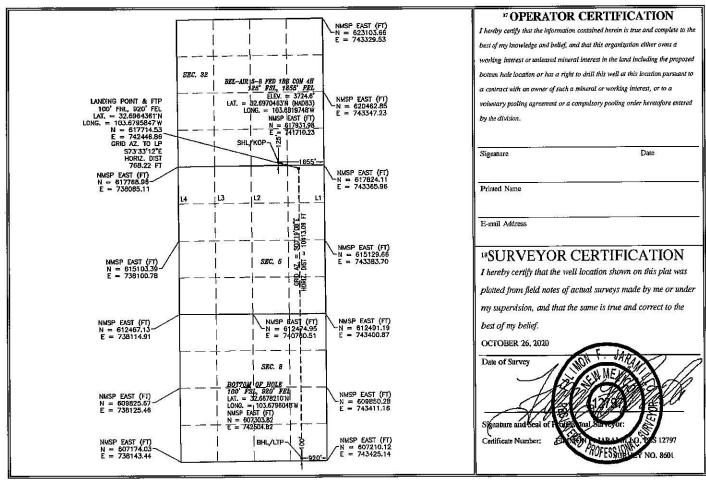
Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
О	32	18 S	33 E		125	SOUTH	1655	EAST	LEA
(2.5) (A) (4.5) (A)		1	100	TT	Aller III marrows Account	TC D'CC TE	A		300

Bottom Hole Location If Different From Surface

UL or lot no.	Section 8	Township 19 S	Range 33 E	Lot Idn	Feet from the 100	North/South line SOUTH	Feet from the 920	East/West line EAST	County LEA
¹² Dedicated Acre 321.48	s ¹³ Joint	or Infill 1	4 Consolidation	n Code			15 Order No.		- 1 Sec.

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.



Earthstone Operating, LLC Case No. 23244 Exhibit A-2 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

1000 Rio Brazos Road, Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-6170 District IV

District III

1220 S. St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax: (505) 476-3462

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

Form C-102 Revised August 1, 2011 Submit one copy to appropriate District Office

☐ AMENDED REPORT

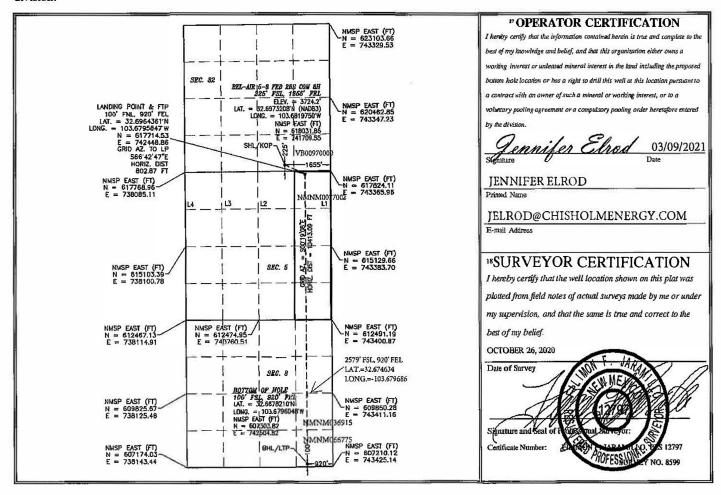
WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 13160; 59475 Corbin; Bone Spring, South & Tor		nto; Bone Spring
Property Code	5	Property Name	⁶ Well Number
	BEL-AIR	5-8 FED 2BS COM	8H
OGRID No.	⁸ Operator Name		⁹ Elevation
372137	CHISHOLM EN	3724.2	

Surface Location

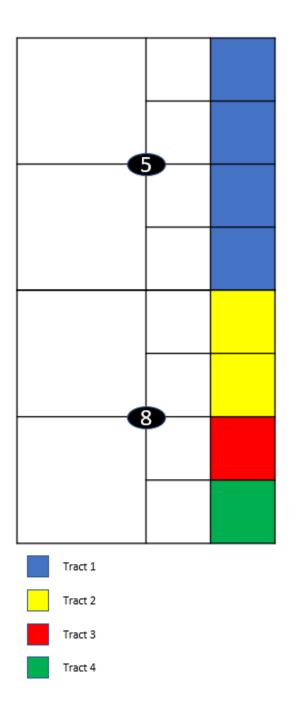
						Location			
UL or lot no.	Section 32	Township 18 S	Range 33 E	Lot Ida	Feet from the 225	North/South line SOUTH	Feet from the 1655	East/West line EAST	County LEA
90.0		38	u В	ottom Ho	ole Location	If Different Fr	om Surface		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	8	19 S	33 E		100	SOUTH	920	EAST	LEA
12 Dedicated Acre	s ¹³ Joint	or Infil) 14	Consolidation	Code			15 Order No.		
321.48									

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.



BEL-AIR 5-8 Fed 1BS COM 4H BEL-AIR 5-8 Fed 2BS COM 8H

Lot 1, SENE, E2SE of Section 5 and E2E2 of Section 8 Township 19 South, Range 33 East, Lea County New Mexico



Earthstone Operating, LLC Case No. 23244 Exhibit A-3

TRACT 1 OWNERSHIP (NM-77002)

Earthstone Permian, LLC 100.000000%

TRACT 2 OWNERSHIP (NM-77002)

 Legacy Reserves Operating LP
 92.857125%

 Isramco Energy, L.L.C.
 7.142875%

 100.000000%

TRACT 3 OWNERSHIP (NM-36915)

Asher Resources, L.L.P. 50.000000%

JIL Oil Corp. 50.000000%
100.000000%

TRACT 4 OWNERSHIP (NM-66775)

MRC Delaware Resources, LLC	70.387273%
Yates Energy Corporation	18.358055%
Jalapeno Corporation	8.754672%
Nadel and Gussman Capitan, LLC	2.500000%
	100 000000%

SPACING UNIT OWNERSHIP

Earthstone Operating, LLC	50.197653%
Yates Energy Corporation	2.284192%
MRC Delaware Resources, LLC	8.757904%
Jalapeno Corporation	1.089296%
Nadal and Gussman Capitan, LLC	0.311061%
Legacy Reserves Operating LP	23.107409%
Isramco Energy LLC	1.777498%
Asher Resources, LLP	6.221227%
JIL Oil Corporation	6.221227%

PARTIES TO POOL

Yates Energy Corporation

MRC Delaware Resources, LLC

Jalapeno Corporation

Nadal and Gussman Capitan, LLC

Legacy Reserves Operating LP

Isramco Energy LLC

Asher Resources, LLP

JIL Oil Corporation



EARTHSTONE Operating, LLC

1400 Woodloch Forest Drive, Suite 300 The Woodlands, TX 77380 Office: 281-298-4246

Fax: 832-823-0478

November 2, 2022

VIA FED-X

Yates Energy Corporation 400 N Pennsylvania Avenue Roswell, NM 88201

Re: Bel-Air 5-8 Fed 1BS Com 4H - Bel-Air 5-8 Fed 2BS Com 8H

Lot 1, SENE, E2SE of Section 5 E2E2 of Section 8 Township 19 South, Range 33 East Lea County, New Mexico

Dear Working Interest Partner:

Earthstone Operating, LLC ("Earthstone") proposes to drill and operate the subject wells to test the Bone Spring formation. Enclosed find an Authority for Expenditure ("AFE") for each well reflecting estimated costs to drill, test, complete and equip the well.

In connection with the above:

- Bel-Air 5-8 Fed 1BS Com 4H: to be drilled from a proposed surface hole location of 125' FSL & 1655' FEL of Section 32-18S-R33E to a proposed bottom hole location of 100' FSL & 920' FEL of Section 8-19S-33E with an expected TVD of 8,902'.
- Bel-Air 5-8 Fed 2BS Com 8H: to be drilled from a proposed surface hole location of 225' FSL & 1655' FEL of 32-18S-33E to a proposed bottom hole location of 100' FSL & 920' FEL of Section 8-19S-33E with an expected TVD of 9,837'.

Earthstone hereby proposes the creation of a 321.48 acre working interest unit consisting of Lot 1, SENE, E2SE of Section 5 and the E2E2 of Section 8, Township 19 South, Range 33 East, to be governed by a modified 1989 AAPL Model Form Operating Agreement, which is also enclosed for your review and approval. This Operating Agreement contains the following general provisions:

- Limited to the Bone Spring Formation.
- 100/300 non-consent penalties
- \$7,500/\$750 fixed drilling and production overhead rates
- Earthstone Operating, LLC named as Operator

Earthstone Operating, LLC Case No. 23244 Exhibit A-4

Please indicate your election in the space provided below and return one copy of this letter to the undersigned. Should you elect to participate, please also sign, and return one copy of each AFE, along with the Operating Agreement.
Sincerely,
Matt Solomon Senior Landman 713-379-3083 msolomon@earthstonenergy.com
Yates Energy Corporation hereby elects to:
Participate for its proportionate share in the drilling & completion of the Bel-Air 5-8 Fed 1BS Com 4H . Non-consent/farmout/assign its interest in Bel-Air 5-8 Fed 1BS Com 4H , subject to acceptable terms.
Participate for its proportionate share in the drilling & completion of the Bel-Air 5-8 Fed 2BS Com 8H . Non-consent/farmout/assign its interest in the Bel-Air 5-8 Fed 2BS Com 8H , subject to acceptable terms.
Yates Energy Corporation
By:
Name:
Title: Date:



Earthstone Operating, LLC Statement of Estimated Well Cost

Project Description: Well Name: Bel-Air 5-8 Fed Com 1BS 4H 4 WELL PAD. Estimate is for the drilling of a 2.0 mile 1st Bone Spring Sand lateral in Lea County, NM. 10-3/4" Surface casing will be set at 1,600' MD. The 2nd Intermediate section will bedrilled 9-7/8" and 8-5/8" Casing set at 5,400' MD. A production interval will be drilled with OBM as a 7-7/8" curve, and 7-7/8" lateral to TD at approximately 19,500 MD', ~10,400' VS. 5.5" production casing will be run to surface. Scheduled as 18 days to Rig Release. Field Name: Ranger Location: Lea Co., NM AFE #: 22 - WC - XX

	DRILLING INTANGIBLE				COMPLETION INTANGIBLE	w	
ACCOUNT CODE	ITEM DESCRIPTION	Al	MOUNT	ACCOUNT CODE	ITEM DESCRIPTION		AMOUNT
1420/10	LEASE / STAKE / PERMIT	S	6,000	1432/ 10	LEASE / STAKE / PERMIT	s	2,50
1420/ 16	INSPECTION	s	10,000	1432/20	LOCATION AND ROADS	S	10,0
		s		1432/70	COMPLETION/WORKOVER RIG	s	46,4
1420/ 20	LOCATION AND ROADS		50,000		FUEL, POWER & WATER		
1420/ 25	SURFACE DAMAGES	S	22,500	1432/ 90		\$	308,0
1420/30	RIG MOBILIZATION	S	70.000	1432/110	TRUCKING/VACUUM TRUCK	S	15,00
1420/ 50	DAYWORK	S	672,000	1432/120	DRILLING/COMPLETION FLUIDS	S	3,50
1420/80	BITS/ REAMERS	S	84,000	1432/130	CEMENT AND PUMP SERVICE	S	
1420/ 90	FUEL, POWER & WATER	s	241,000	1432/150	ELECTRIC LOGGING/PERFORATING	s	352,80
		s	55,000	1432/170	EQUIPMENT/TOOL RENTALS	s	490,68
1420/110	TRUCKING/VACUUM TRUCK	_	- 1			_	
1420/120	DRILLING/COMPLETION FLUIDS	S	275,000	1432/171	COMPLETION HOUSING	S	19,60
1420/130	CEMENT AND PUMP SERVICE	S	230,000	1432/180	WELL STIMULATION	S	3,316,60
1420/140	CASING CREWS AND TOOLS	S	50,000	1432/181	WELL TEST SERVICES	S	100,80
1420/150	ELECTRIC LOGGING/PERFORATING	S	98	1432/183	DIAGNOSTIC SERVICES	S	60,0
1420/160	MUD LOGGING	s	20,000	1432/190	SLICKLINE SERVICES	s	4,5
1420/170	EQUIPMENT/TOOL RENTALS	S	113,000	1432/195	CONTRACT LABOR/CREW/ROUSTABOUT	s	15,0
				1432/220		s	79
1420/174	DOWNHOLE RENTALS	S	72,000		WELLHEAD REPAIR & SERVICEMAN	+	
1420/180	WELL STIMULATION / TESTING	S	52	1432/230	COILED TUBING SERVICES	S	18,0
1420/186	CLOSED LOOP SYS/CUTTINGS DISP	S	144,000	1432/250	INSURANCE	S	1,7
1420/195	CONTRACT LABOR/CREW/ROUSTABOUT	s	65.000	1432/260	SUPERVISION/ENGINEERING	S	62,0
1420/200	DIRECTION DRILLING/SURVEYING	s	229,000	1432/270	ADMINISTRATIVE/OVERHEAD	s	
		s		1432/280	PIT REMEDIATION	s	
1420/250	INSURANCE	Ť	10,000			_	15,7
1420/260	SUPERVISION/ENGINEERING	S	72,000	1432/290	MISCELLANEOUS	S	12,5
1420/270	ADMINISTRATIVE/OVERHEAD	S	7,000	1432/310	FRESH WATER TRANSFER	S	28,0
1420/315	PARTS	S	15,000	1432/350	COMMUNICATIONS	s	3,8
1420/350	COMMUNICATIONS	s	9,000	1432/412	ARTIFICIAL LIFT	S	50,0
1420/300	CONTINGENCY	s	51,500	1432/417	FRAC INCIDENTAL	s	
1420/300	CONTINGENCY	-13	31,300	1432/300	CONTINGENCY	s	162.0
				1432/300	CONTINGENCY	3	102.0
				COM	MPLETION INTANGIBLE TOTAL	S	5,099,1
							0,000,
				n vide			
		_			COMPLETION TANGIBLE		
		_	_	A COOLINIT COOL		_	AMOUNT
		_		ACCOUNT CODE	ITEM DESCRIPTION	+	AMOUNT
Di	RILLING INTANGIBLE TOTAL	s	2,573,000	1433/300	VALVES/CONNECTIONS/FITTINGS	S	45,0
5,	WEELING INTANGIBLE TOTAL		210.01000	1433/320	FLOWLINE	S	5,2
		COLUMN TO	4 5-7 3	1433/370	TUBING	S	131,3
	DRILLING TANGIBLE			1433/380	PUMPING UNIT	s	
		1 .	TILLION	1433/400	WELLHEAD EQUIPMENT	s	65,0
ACCOUNT CODE	ITEM DESCRIPTION		MOUNT			_	
1430/310	CONDUCTOR CASING	s	30,000	1433/410	DOWNHOLE ARTIFICIAL LIFT EQUIP	S	325,0
1430/320	SURFACE CASING	S	130,000	1433/412	SURFACE ARTIFICIAL LIFT EQUIP	S	92,5
1430/330	INTERMEDIATE CASING	S	363,000	1433/417	FRAC INCIDENTAL	S	
1430/340	DRILLING LINERS	S	(*)	CC	MELETION TANGISI E TOTAL	9	664 00
	PRODUCTION CASING	S S	536,000	cc	MPLETION TANGIBLE TOTAL	S	664,0
1430/350	PRODUCTION CASING	s	536,000	cc	OMPLETION TANGIBLE TOTAL	S	664,00
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	cc		S	664,0
1430/350	PRODUCTION CASING	s	536,000		FACILITIES INTANGIBLE	S	
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE	FACILITIES INTANGIBLE ITEM DESCRIPTION		AMOUNT
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE 1450/ 20	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS	S	AMOUNT
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE	FACILITIES INTANGIBLE ITEM DESCRIPTION	S S	AMOUNT
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE 1450/ 20	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS	S	AMOUNT 13.3
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL. POWER & WATER TRUCKING/VACUUM TRUCK	\$ \$ \$	AMOUNT 13.5 1.0 16.3
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL. POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL	S S S S S S	AMOUNT 13.5 1,0 16.3
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR	S S S S S S S	AMOUNT 13.5 1.0 16.2 50.0 100.0
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL. POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING	S S S S S S S S S S	AMOUNT 13.5 1.0 16.2 50.0 100.0
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR	S S S S S S S S S S S S S S S S S S S	AMOUNT 13.6 1.0 16.0 50.0 100.0 25.0
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL. POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING	S S S S S S S S S S	AMOUNT 13.6 1.0 16.0 50.0 100.0 25.0
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260 1450/270 1450/290	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS	S S S S S S S S S S S S S S S S S S S	AMOUNT 13.6 1.0 16.2 50.0 100.6 25.0
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260 1450/270 1450/290	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL. POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD	S S S S S S S S S S S S S S S S S S S	AMOUNT 13.6 1.0 16.2 50.0 100.0 25.0
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260 1450/270 1450/290	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS	S S S S S S S S S S S S S S S S S S S	AMOUNT 13.6 1.0 16.2 50.0 100.6 25.0
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260 1450/270 1450/290	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL. POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS ACILITIES INTANGIBLE TOTAL	S S S S S S S S S S S S S S S S S S S	AMOUNT 13.5 1.0 16.5 50.0 100.0 25.0
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260 1450/270 1450/290	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL. POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS ACILITIES INTANGIBLE TOTAL	S S S S S S S S S S S S S S S S S S S	AMOUNT 13.3 1.0 16.3 50.0 100.0 25.0 10.0 215.7
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260 1450/270 1450/290	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL. POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS ACILITIES INTANGIBLE TOTAL	S S S S S S S S S S S S	AMOUNT 13.9 1.0 16.0 50.0 100.0 25.0 10.0 215.7
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260 1450/270 1450/290	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL. POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS ACILITIES INTANGIBLE TOTAL	S S S S S S S S S S S S S S S S S S S	AMOUNT 13.9 1.0 16.0 50.0 100.0 25.0 10.0 215.7
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/270 1450/270 1450/290 FA	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL. POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS ACILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION	S S S S S S S S S S S S	AMOUNT 13.8 1.0 16.3 50.0 100.0 25.0 10,0 215,7
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260 1450/270 1450/290 FA ACCOUNT CODE 1452/300 1452/315	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EOUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS ACILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION VALVES/CONNECTIONS/FITTINGS METER EOUIPMENT	S S S S S S S S S S S S S S S S S S S	AMOUNT 13.4 16.5 50.0 100.0 25.0 10.0 215.7 AMOUNT 55.0 15.0
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260 1450/270 1450/290 FA ACCOUNT CODE 1452/300 1452/315 1452/340	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL. POWER & WATER TRUCKING/VACUUM TRUCK EOUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS ACILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION VALVES/CONNECTIONS/FITTINGS METER EOUIPMENT SEPARATORS	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	AMOUNT 13.: 10.: 50.: 100.: 215.7 AMOUNT 55.: 115.:
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260 1450/270 1450/290 FA ACCOUNT CODE 1452/300 1452/345	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL. POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS ACILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION VALVES/CONNECTIONS/FITTINGS METER EQUIPMENT SEPARATORS HEATER TREATER	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	AMOUNT 13.4 16.5 50.0 100.0 25.0 215.7 AMOUNT 55.0 15.0 15.0 30.0
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260 1450/270 1450/290 FA ACCOUNT CODE 1452/300 1452/315 1452/345 1452/355	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL. POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS ACILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION VALVES/CONNECTIONS/FITTINGS METER EQUIPMENT SEPARATORS HEATER TREATER GATHERING LINE	S S S S S S S S S S S S S S S S S S S	AMOUNT 13.3 1.1 16.5 50.0 100.0 25.0 10.0 215.7 AMOUNT 55. 15. 115. 30. 175,
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260 1450/270 1450/290 FA ACCOUNT CODE 1452/300 1452/345	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL. POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS ACILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION VALVES/CONNECTIONS/FITTINGS METER EQUIPMENT SEPARATORS HEATER TREATER	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	AMOUNT 13.3 1.1 16.5 50.0 100.0 25.0 10.0 215.7 AMOUNT 55. 15. 115. 30. 175,
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260 1450/270 1450/290 FA ACCOUNT CODE 1452/300 1452/315 1452/345 1452/355	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL. POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS ACILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION VALVES/CONNECTIONS/FITTINGS METER EQUIPMENT SEPARATORS HEATER TREATER GATHERING LINE	S S S S S S S S S S S S S S S S S S S	AMOUNT 13.1 16.500 1000 25.1 10.2 215.7 AMOUNT 55. 15.1 115. 30. 175. 90.
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260 1450/270 1450/290 FA ACCOUNT CODE 1452/300 1452/315 1452/340 1452/345 1452/355 1452/360	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL. POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS ACILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION VALVES/CONNECTIONS/FITTINGS METER EQUIPMENT SEPARATORS HEATER TREATER GATHERING LINE STOCK TANKS	S S S S S S S S S S S S S S S S S S S	AMOUNT 13. 1. 16. 50. 100. 25. 10. 215, 15. 155. 30. 175. 90. 70.
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260 1450/270 1450/290 FA ACCOUNT CODE 1452/300 1452/315 1452/345 1452/355 1452/360 1452/365	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL. POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS ACILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION VALVES/CONNECTIONS/FITTINGS METER EQUIPMENT SEPARATORS HEATER TREATER GATHERING LINE STOCK TANKS DIAGNOSTIC EQUIPMENT ELECTRICAL EQUIPMENT ELECTRICAL EQUIPMENT ELECTRICAL EQUIPMENT	S S S S S S S S S S S S S S S S S S S	AMOUNT 13. 16. 50. 100. 25. 10. 215, 3 AMOUNT 55, 15, 115, 90. 70, 50
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260 1450/270 1450/290 FA ACCOUNT CODE 1452/300 1452/315 1452/345 1452/345 1452/360 1452/365	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL. POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS ACILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION VALVES/CONNECTIONS/FITTINGS METER EQUIPMENT SEPARATORS HEATER TREATER GATHERING LINE STOCK TANKS DIAGNOSTIC EQUIPMENT	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	AMOUNT 13. 16. 50. 100. 25. 10. 215, 3 AMOUNT 55, 15, 115, 90. 70, 50
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/290 FA ACCOUNT CODE 1452/300 1452/345 1452/345 1452/345 1452/365 1452/380 1452/380	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL. POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS ACILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION VALVES/CONNECTIONS/FITTINGS METER EQUIPMENT SEPARATORS HEATER TREATER GATHERING LINE STOCK TANKS DIAGNOSTIC EQUIPMENT ELECTRICAL EQUIPMENT ELECTRICAL EQUIPMENT ELECTRICAL EQUIPMENT	S S S S S S S S S S S S S S S S S S S	AMOUNT 13.1 16.500 1000 25.1 10.0 215.7 AMOUNT 55. 15. 115. 30. 175. 90. 70. 50.
1430/350 1430/400	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/290 FA ACCOUNT CODE 1452/300 1452/345 1452/345 1452/345 1452/365 1452/380 1452/380	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS ACILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION VALVES/CONNECTIONS/FITTINGS METER EQUIPMENT SEPARATORS HEATER TREATER GATHERING LINE STOCK TANKS DIAGNOSTIC EQUIPMENT ELECTRICAL EQUIPMENT & SUPPLIES FACILITES	S S S S S S S S S S S S S S S S S S S	AMOUNT 13. 1. 16. 50. 100. 25. 10. 215. 30. 175. 90. 70.
1430/400 1430/405	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	S S	536,000 55,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/290 FA ACCOUNT CODE 1452/300 1452/345 1452/345 1452/345 1452/365 1452/380 1452/380	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS ACILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION VALVES/CONNECTIONS/FITTINGS METER EQUIPMENT SEPARATORS HEATER TREATER GATHERING LINE STOCK TANKS DIAGNOSTIC EQUIPMENT ELECTRICAL EQUIPMENT & SUPPLIES FACILITES	S S S S S S S S S S S S S S S S S S S	AMOUNT 13. 16. 50. 100. 25. 10. 215, 3 AMOUNT 55. 15. 115. 30. 175. 90. 70. 50. 45.
1430/350 1430/400 1430/405	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP DOWNHOLE TOOLS DOWNHOLE TOOLS	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	536,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260 1450/270 1450/290 FA ACCOUNT CODE 1452/300 1452/345 1452/345 1452/365 1452/365 1452/380 1452/390	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL. POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS ACILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION VALVES/CONNECTIONS/FITTINGS METER EQUIPMENT SEPARATORS HEATER TREATER GATHERING LINE STOCK TANKS DIAGNOSTIC EQUIPMENT ELECTRICAL EQUIPMENT & SUPPLIES FACILITIES TANGIBLE TOTAL FACILITIES TANGIBLE TOTAL	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	AMOUNT 13.4 16.5 50.0 100.0 25.0 215.7 AMOUNT 55.0 15.0 175.0 90.0 70.0 50.0 45.0 860,0
1430/350 1430/400 1430/405	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP DOWNHOLE TOOLS	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	536,000 55,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260 1450/270 1450/290 FA ACCOUNT CODE 1452/300 1452/345 1452/345 1452/345 1452/355 1452/365 1452/390 FA TOTAL CO	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS ACILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION VALVES/CONNECTIONS/FITTINGS METER EQUIPMENT SEPARATORS HEATER TREATER GATHERING LINE STOCK TANKS DIAGNOSTIC EQUIPMENT ELECTRICAL EQUIPM	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	AMOUNT 13. 1. 16. 50. 100. 25. 10. 215. 15. 15. 115. 30. 175. 90. 70. 50. 45. 645,0
1430/350 1430/400 1430/405	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP DOWNHOLE TOOLS DOWNHOLE TOOLS	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	536,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260 1450/270 1450/290 FA ACCOUNT CODE 1452/300 1452/345 1452/345 1452/345 1452/355 1452/365 1452/390 FA TOTAL CO	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL. POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS ACILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION VALVES/CONNECTIONS/FITTINGS METER EQUIPMENT SEPARATORS HEATER TREATER GATHERING LINE STOCK TANKS DIAGNOSTIC EQUIPMENT ELECTRICAL EQUIPMENT & SUPPLIES FACILITIES TANGIBLE TOTAL FACILITIES TANGIBLE TOTAL	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	AMOUNT 13.5 1.0 16.2 50.0 100.0 25.0 10,0 215.7
1430/350 1430/400 1430/405	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP DOWNHOLE TOOLS DOWNHOLE TOOLS DRILLING TANGIBLE TOTAL TAL DRILLING COSTS	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	536,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260 1450/270 1450/270 1450/290 FA ACCOUNT CODE 1452/300 1452/345 1452/345 1452/365 1452/360 1452/390 1452/390 FA TOTAL CO	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL. POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS ACILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION VALVES/CONNECTIONS/FITTINGS METER EQUIPMENT SEPARATORS HEATER TREATER GATHERING LINE STOCK TANKS DIAGNOSTIC EQUIPMENT ELECTRICAL EQUIPMENT & SUPPLIES FACILITIES FACILITIES TANGIBLE TOTAL MPLETION/FACILITIES COSTS ESTIMATED WELL COST	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	AMOUNT 13. 1.1. 16. 50.0 100. 25. 10. 215.7 AMOUNT 55. 15. 115. 30. 175. 90. 70. 50. 45. 645.(860.)
1430/350 1430/400 1430/405	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP DOWNHOLE TOOLS DOWNHOLE TOOLS DRILLING TANGIBLE TOTAL TAL DRILLING COSTS	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	536,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260 1450/270 1450/290 FA ACCOUNT CODE 1452/300 1452/345 1452/345 1452/345 1452/355 1452/365 1452/390 FA TOTAL CO	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL. POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS ACILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION VALVES/CONNECTIONS/FITTINGS METER EQUIPMENT SEPARATORS HEATER TREATER GATHERING LINE STOCK TANKS DIAGNOSTIC EQUIPMENT ELECTRICAL EQUIPMENT & SUPPLIES FACILITIES FACILITIES TANGIBLE TOTAL MPLETION/FACILITIES COSTS ESTIMATED WELL COST	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	AMOUNT 13.8 1.0 16.3 50.0 100.0 25.0 10.1 215.7 AMOUNT 55.1 15.1 175. 90.0 45. 645.0 860.0
1430/350 1430/400 1430/405	PRODUCTION CASING CASING HANGERWELLHEAD EQUIP DOWNHOLE TOOLS DOWNHOLE TOOLS DRILLING TANGIBLE TOTAL TAL DRILLING COSTS	\$ \$ \$ \$ 3	536,000	ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260 1450/270 1450/290 FA ACCOUNT CODE 1452/300 1452/345 1452/345 1452/345 1452/345 1452/390 1452/390 FA TOTAL CO TOTAL Participant Appro	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL. POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS ACILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION VALVES/CONNECTIONS/FITTINGS METER EQUIPMENT SEPARATORS HEATER TREATER GATHERING LINE STOCK TANKS DIAGNOSTIC EQUIPMENT ELECTRICAL EQUIPMENT & SUPPLIES FACILITIES FACILITIES TANGIBLE TOTAL MPLETION/FACILITIES COSTS ESTIMATED WELL COST	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	AMOUNT 13.8 1.0 16.3 50.0 100.0 25.0 215.7 AMOUNT 55. 15.1 175. 30.0 70.0 50.0 45.0 6,623,84 10,310,84



Earthstone Operating, LLC Statement of Estimated Well Cost

Project Description: Well Name: Bel-Air 5-8 Fed Com 2BS 8H 4 WELL PAD. Estimate is for the drilling of a 2.0 mile 2nd Bone Spring Sand lateral in Lea County, NM. 10-3/4" Surface casing will be set at 1,600' MD. The 2nd Intermediate section will bedrilled 9-7/8" and 8-5/8" Casing set at 5,400' MD. A production interval will be drilled with OBM as a 7-7/8" curve, and 7-7/8" lateral to TD at approximately 20,500 MD', ~10,400' VS. 5,5" production casing will be run to surface. Scheduled as 18 days to Rig Release. Field Name: Ranger Location: Lea Co., NM AFE #: 22 - WC - XX

	DRILLING INTANGIBLE			COMPLETION INTANGIBLE	7	
CCOUNT CODE	ITEM DESCRIPTION	AMOUNT	ACCOUNT CODE	ITEM DESCRIPTION	_	AMOUNT
1420/ 10	LEASE / STAKE / PERMIT	S 6,000	1432/ 10	LEASE / STAKE / PERMIT	S	2,5
1420/ 16	INSPECTION	\$ 10,000	1432/20	LOCATION AND ROADS	S	17,
1420/ 20	LOCATION AND ROADS	\$ 50,000	1432/70	COMPLETION/WORKOVER RIG	s	46.4
1420/ 25	SURFACE DAMAGES	S 22,500	1432/90	FUEL, POWER & WATER	s	308,0
		s 70,000	1432/110	TRUCKING/VACUUM TRUCK	S	15,
1420/ 30	RIG MOBILIZATION					
1420/ 50	DAYWORK	\$ 672,000	1432/120	DRILLING/COMPLETION FLUIDS	S	3.
1420/ 80	BITS/ REAMERS	\$ 84,000	1432/130	CEMENT AND PUMP SERVICE	S	
1420/90	FUEL, POWER & WATER	\$ 241,000	1432/150	ELECTRIC LOGGING/PERFORATING	S	352,
1420/110	TRUCKING/VACUUM TRUCK	\$ 55,000	1432/170	EQUIPMENT/TOOL RENTALS	s	490,
1420/120	DRILLING/COMPLETION FLUIDS	\$ 275,000	1432/171	COMPLETION HOUSING	S	19.
	i e				_	
1420/130	CEMENT AND PUMP SERVICE	\$ 230,000	1432/180	WELL STIMULATION	S	3,316.
1420/140	CASING CREWS AND TOOLS	\$ 50,000	1432/181	WELL TEST SERVICES	S	100.
1420/150	ELECTRIC LOGGING/PERFORATING	S	1432/183	DIAGNOSTIC SERVICES	S	60,
1420/160	MUD LOGGING	\$ 20,000	1432/190	SLICKLINE SERVICES	s	4,
1420/170	EQUIPMENT/TOOL RENTALS	\$ 113,000	1432/195	CONTRACT LABOR/CREW/ROUSTABOUT	s	15,
						10,
1420/174	DOWNHOLE RENTALS	\$ 72,000	1432/220	WELLHEAD REPAIR & SERVICEMAN	S	
1420/180	WELL STIMULATION / TESTING	S	1432/230	COILED TUBING SERVICES	S	18,
1420/186	CLOSED LOOP SYS/CUTTINGS DISP	S 144,000	1432/250	INSURANCE	S	1,
1420/195	CONTRACT LABOR/CREW/ROUSTABOUT	\$ 65,000	1432/260	SUPERVISION/ENGINEERING	s	62,
1420/200	DIRECTION DRILLING/SURVEYING	\$ 229,000	1432/270	ADMINISTRATIVE/OVERHEAD	s	75-5
					_	
1420/250	INSURANCE	S 10,000	1432/280	PIT REMEDIATION	S	20,0
1420/260	SUPERVISION/ENGINEERING	\$ 72,000	1432/290	MISCELLANEOUS	S	12,
1420/270	ADMINISTRATIVE/OVERHEAD	\$ 7,000	1432/310	FRESH WATER TRANSFER	S	28,
1420/315	PARTS	S 15,000	1432/350	COMMUNICATIONS	s	3,
		_			s	
1420/350	COMMUNICATIONS	\$ 9,000	1432/412	ARTIFICIAL LIFT	_	50.
1420/300	CONTINGENCY	\$ 51,500	1432/417	FRAC INCIDENTAL	S	
			1432/300	CONTINGENCY	S	163,
		1				
			COM	PLETION INTANGIBLE TOTAL	S	5,112,1
		4				
				COMPLETION TANGIBLE		
			ACCOUNT CODE	ITEM DESCRIPTION		AMOUNT
		1	1433/300	VALVES/CONNECTIONS/FITTINGS	s	45,
DE	RILLING INTANGIBLE TOTAL	\$ 2,573,000				
			1433/320	FLOWLINE	S	9,
			1433/370	TUBING	S	159,
	DRILLING TANGIBLE		1433/380	PUMPING UNIT	S	
COCUME CODE	ITEM DESCRIPTION	AMOUNT	1433/400	WELLHEAD EQUIPMENT	s	50,
CCOUNT CODE			1			
1430/310	CONDUCTOR CASING	S 30,000	1433/410	DOWNHOLE ARTIFICIAL LIFT EQUIP	S	325.
1430/320	SURFACE CASING	\$ 130,000				02.
		130,000	1433/412	SURFACE ARTIFICIAL LIFT EQUIP	S	92.
1430/330	INTERMEDIATE CASING	\$ 363,000	1433/412	SURFACE ARTIFICIAL LIFT EQUIP FRAC INCIDENTAL	s	92,
1430/330		\$ 363,000			S	
1430/330 1430/340	DRILLING LINERS	\$ 363,000 \$	1433/417			
1430/330	DRILLING LINERS PRODUCTION CASING	\$ 363,000 \$ - \$ 564,000	1433/417	FRAC INCIDENTAL	S	
1430/330 1430/340	DRILLING LINERS	\$ 363,000 \$	1433/417	FRAC INCIDENTAL	S	
1430/330 1430/340 1430/350	DRILLING LINERS PRODUCTION CASING	\$ 363,000 \$ - \$ 564,000	1433/417	FRAC INCIDENTAL	S	
1430/330 1430/340 1430/350 1430/400	DRILLING LINERS PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	\$ 363,000 \$ - \$ 564,000 \$ 55,000	1433/417	FRAC INCIDENTAL MPLETION TANGIBLE TOTAL	S	
1430/330 1430/340 1430/350 1430/400	DRILLING LINERS PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	\$ 363,000 \$ - \$ 564,000 \$ 55,000	1433/417 COI	FACILITIES INTANGIBLE ITEM DESCRIPTION	S	681.3
1430/330 1430/340 1430/350 1430/400	DRILLING LINERS PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	\$ 363,000 \$ - \$ 564,000 \$ 55,000	1433/417 COI ACCOUNT CODE 1450/ 20	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS	s s	681.3 AMOUNT
1430/330 1430/340 1430/350 1430/400	DRILLING LINERS PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	\$ 363,000 \$ - \$ 564,000 \$ 55,000	1433/417 COI	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER	s s	681.3 AMOUNT
1430/330 1430/340 1430/350 1430/400	DRILLING LINERS PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	\$ 363,000 \$ - \$ 564,000 \$ 55,000	1433/417 COI ACCOUNT CODE 1450/ 20	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS	s s	681.3 AMOUNT 13.
1430/330 1430/340 1430/350 1430/400	DRILLING LINERS PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	\$ 363,000 \$ - \$ 564,000 \$ 55,000	1433/417 COI ACCOUNT CODE 1450/ 20 1450/ 90 1450/110	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK	S S S	AMOUNT 13, 1, 16,
1430/330 1430/340 1430/350 1430/400	DRILLING LINERS PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	\$ 363,000 \$ - \$ 564,000 \$ 55,000	1433/417 COI ACCOUNT CODE 1450/ 20 1450/ 10 1450/170	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL	S	AMOUNT 13. 1, 16.
1430/330 1430/340 1430/350 1430/400	DRILLING LINERS PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	\$ 363,000 \$ - \$ 564,000 \$ 55,000	1433/417 COI ACCOUNT CODE 1450/ 20 1450/ 10 1450/170 1450/195	FACINCIDENTAL FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR	S	AMOUNT 13, 1, 16, 50,
1430/330 1430/340 1430/350 1430/400	DRILLING LINERS PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	\$ 363,000 \$ - \$ 564,000 \$ 55,000	1433/417 COI ACCOUNT CODE 1450/ 20 1450/ 10 1450/170	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL	S	AMOUNT 13. 1, 16.
1430/330 1430/340 1430/350 1430/400	DRILLING LINERS PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	\$ 363,000 \$ - \$ 564,000 \$ 55,000	1433/417 COI ACCOUNT CODE 1450/ 20 1450/ 10 1450/170 1450/195	FACINCIDENTAL FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR	S	AMOUNT 13, 1, 16, 50,
1430/330 1430/340 1430/350 1430/400	DRILLING LINERS PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	\$ 363,000 \$ - \$ 564,000 \$ 55,000	1433/417 COI ACCOUNT CODE 1450/ 20 1450/ 10 1450/ 170 1450/ 170 1450/ 170 1450/ 170 1450/ 170 1450/ 170	FRAC INCIDENTAL MPLETION TANGIBLE TOTAL FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD	S	AMOUNT 13. 1, 16, 50, 100, 25,
1430/330 1430/340 1430/350 1430/400	DRILLING LINERS PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	\$ 363,000 \$ - \$ 564,000 \$ 55,000	1433/417 COI ACCOUNT CODE 1450/ 20 1450/ 10 1450/170 1450/170 1450/195 1450/260	FACINCIDENTAL FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING	S	AMOUNT 13. 1, 16, 50, 100, 25,
1430/330 1430/340 1430/350 1430/400	DRILLING LINERS PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	\$ 363,000 \$ - \$ 564,000 \$ 55,000	1433/417 COI ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260 1450/270 1450/290	FRAC INCIDENTAL MPLETION TANGIBLE TOTAL FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD	S	AMOUNT 13. 16. 50. 100. 25.
1430/330 1430/340 1430/350 1430/400	DRILLING LINERS PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	\$ 363,000 \$ - \$ 564,000 \$ 55,000	1433/417 COI ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260 1450/270 1450/290	FRAC INCIDENTAL FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS	S	AMOUNT 13. 1, 16. 50. 100. 25.
1430/330 1430/340 1430/350 1430/400	DRILLING LINERS PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	\$ 363,000 \$ - \$ 564,000 \$ 55,000	1433/417 COI ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260 1450/270 1450/290	FRAC INCIDENTAL FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS	S	AMOUNT 13. 1, 16. 50. 100. 25.
1430/330 1430/340 1430/350 1430/400	DRILLING LINERS PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	\$ 363,000 \$ - \$ 564,000 \$ 55,000	1433/417 COI ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260 1450/270 1450/290	FRAC INCIDENTAL FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS	S	AMOUNT 13. 1, 16. 50. 100. 25.
1430/330 1430/340 1430/350 1430/400	DRILLING LINERS PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	\$ 363,000 \$ - \$ 564,000 \$ 55,000	1433/417 COI ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260 1450/270 1450/290	FRAC INCIDENTAL MPLETION TANGIBLE TOTAL FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS CILITIES INTANGIBLE TOTAL	S	AMOUNT 13. 1, 16. 50. 100. 25.
1430/330 1430/340 1430/350 1430/400	DRILLING LINERS PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	\$ 363,000 \$ - \$ 564,000 \$ 55,000	1433/417 COI ACCOUNT CODE 1450/ 20 1450/ 90 1450/170 1450/175 1450/260 1450/270 1450/290 FAG	FRAC INCIDENTAL MPLETION TANGIBLE TOTAL FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR ADMINISTRATIVE/OVERHEAD MISCELLANEOUS CILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	AMOUNT 13, 1, 16, 500, 100, 25, 10, 215,7
1430/330 1430/340 1430/350 1430/400	DRILLING LINERS PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	\$ 363,000 \$ - \$ 564,000 \$ 55,000	1433/417 COI ACCOUNT CODE 1450/ 20 1450/ 110 1450/170 1450/195 1450/260 1450/270 1450/290 FAG ACCOUNT CODE 1452/300	FACILITIES INTANGIBLE TAUCHING TO TANGIBLE TOTAL FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS CILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION VALVES/CONNECTIONS/FITTINGS	S	AMOUNT 13. 10. 100. 25. 10. 215.7
1430/330 1430/340 1430/350 1430/400	DRILLING LINERS PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	\$ 363,000 \$ - \$ 564,000 \$ 55,000	1433/417 COI ACCOUNT CODE 1450/ 20 1450/ 90 1450/170 1450/175 1450/260 1450/270 1450/290 FAG	FRAC INCIDENTAL MPLETION TANGIBLE TOTAL FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR ADMINISTRATIVE/OVERHEAD MISCELLANEOUS CILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION	S	AMOUNT 13. 16. 50. 100. 25. 10. 215.
1430/330 1430/340 1430/350 1430/400	DRILLING LINERS PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	\$ 363,000 \$ - \$ 564,000 \$ 55,000	1433/417 COI ACCOUNT CODE 1450/ 20 1450/ 110 1450/170 1450/195 1450/260 1450/270 1450/290 FAG ACCOUNT CODE 1452/300	FACILITIES INTANGIBLE TAUCHING TO TANGIBLE TOTAL FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS CILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION VALVES/CONNECTIONS/FITTINGS	S	AMOUNT 13. 16. 50. 100. 25. 10. 215.
1430/330 1430/340 1430/350 1430/400	DRILLING LINERS PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	\$ 363,000 \$ - \$ 564,000 \$ 55,000	1433/417 COI ACCOUNT CODE 1450/ 20 1450/ 10 1450/170 1450/170 1450/260 1450/270 1450/290 FA(ACCOUNT CODE 1452/300 1452/315	FACILITIES INTANGIBLE TACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS CILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION VALVES/CONNECTIONS/FITTINGS METER EQUIPMENT	S	AMOUNT 13. 16. 50. 100. 25. 10. 215. AMOUNT 55. 15.
1430/330 1430/340 1430/350 1430/400	DRILLING LINERS PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	\$ 363,000 \$ - \$ 564,000 \$ 55,000	1433/417 COI ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/270 1450/290 FA(ACCOUNT CODE 1452/300 1452/315 1452/340 1452/345	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS CILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION VALVES/CONNECTIONS/FITTINGS METER EQUIPMENT SEPARATORS HEATER TREATER	S	AMOUNT 13. 16. 50. 100. 25. 10. 215.7 AMOUNT 55. 15. 45.
1430/330 1430/340 1430/350 1430/400	DRILLING LINERS PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	\$ 363,000 \$ - \$ 564,000 \$ 55,000	1433/417 COI ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/270 1450/270 1450/290 FA4 ACCOUNT CODE 1452/300 1452/315 1452/345 1452/345	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS CILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION VALVES/CONNECTIONS/FITTINGS METER EQUIPMENT SEPARATORS HEATER TREATER GATHERING LINE	S	AMOUNT 13. 1. 16. 50. 100. 25. AMOUNT 55. 15. 115.
1430/330 1430/340 1430/350 1430/400	DRILLING LINERS PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	\$ 363,000 \$ - \$ 564,000 \$ 55,000	1433/417 COI ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/170 1450/290 FA(ACCOUNT CODE 1452/300 1452/345 1452/345 1452/355 1452/360	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS CILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION VALVES/CONNECTIONS/FITTINGS METER EQUIPMENT SEPARATORS HEATER TREATER GATHERING LINE STOCK TANKS	S	AMOUNT 13. 1. 16. 50. 100. 25. 10. 215.7 AMOUNT 55. 115. 45.
1430/330 1430/340 1430/350 1430/400	DRILLING LINERS PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	\$ 363,000 \$ - \$ 564,000 \$ 55,000	1433/417 COI ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/170 1450/290 FA(ACCOUNT CODE 1452/300 1452/315 1452/345 1452/355 1452/360 1452/365	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS CILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION VALVES/CONNECTIONS/FITTINGS METER EQUIPMENT SEPARATORS HEATER TREATER GATHERING LINE STOCK TANKS DIAGNOSTIC EQUIPMENT	S S S S S S S S S S	AMOUNT 13. 1. 16. 50. 100. 25. 10. 215.7 AMOUNT 55. 45. 110. 70.
1430/330 1430/340 1430/350 1430/400	DRILLING LINERS PRODUCTION CASING CASING HANGERWELLHEAD EQUIP	\$ 363,000 \$ - \$ 564,000 \$ 55,000	1433/417 COI ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/170 1450/290 FA(ACCOUNT CODE 1452/300 1452/345 1452/345 1452/355 1452/360	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS CILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION VALVES/CONNECTIONS/FITTINGS METER EQUIPMENT SEPARATORS HEATER TREATER GATHERING LINE STOCK TANKS	S	AMOUNT 13, 11, 166, 500, 100, 25, 10, 215, 115, 115, 115, 110, 70,
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1430/330 1430/340 1430/350 1430/400 1430/405	DRILLING LINERS PRODUCTION CASING CASING HANGER/WELLHEAD EQUIP DOWNHOLE TOOLS DRILLING TANGIBLE TOTAL TAL DRILLING COSTS	\$ 363,000 \$ - \$ 564,000 \$ 55,000 \$ - \$ 1,142,000 \$ 3,715,000	1433/417 COI ACCOUNT CODE 1450/ 20 1450/ 90 1450/110 1450/170 1450/195 1450/260 1450/270 1450/290 FAI ACCOUNT CODE 1452/300 1452/345 1452/345 1452/345 1452/380 1452/390 FAI TOTAL COM TOTAL Participant Approv	FACILITIES INTANGIBLE ITEM DESCRIPTION LOCATION AND ROADS FUEL, POWER & WATER TRUCKING/VACUUM TRUCK EQUIPMENT/TOOL RENTAL CONTRACT LABOR SUPERVISION/ENGINEERING ADMINISTRATIVE/OVERHEAD MISCELLANEOUS CILITIES INTANGIBLE TOTAL FACILITIES TANGIBLE ITEM DESCRIPTION VALVES/CONNECTIONS/FITTINGS METER EQUIPMENT SEPARATORS HEATER TREATER GATHERING LINE STOCK TANKS DIAGNOSTIC EQUIPMENT & SUPPLIES FACILITIES TANGIBLE TOTAL FACILITIES TANGIBLE TOTAL MPLETION/FACILITIES COSTS ESTIMATED WELL COST	S	AMOUNT 13. 16. 50. 100. 25. 10. 215. 15. 115. 45. 110. 70. 50. 45. 10,229,10

Case 23244

Company	Contact	Date
Yates Energy Corporation	Email	12/15/2022
		12/21/2022
MRC Delaware Resources, LLC	Email	5/18/2022
		5/23/2022
		6/2/2022
		6/3/2022
		8/31/2022
		9/7/2022
		9/13/2022
		9/14/2022
		11/2/2022
		11/9/2022
		11/17/2022
		11/18/2022
		12/2/2022
		12/13/2022
		12/14/2022
		12/19/2022
		12/20/2022
	Phone calls	4/12/2022
		6/2/2022
		6/3/2022
		10/21/2022
		12/20/2022
Jalapeno Corporation	Email	12/7/2022
		12/8/2022
	Phone Calls	12/7/2022
	l none cans	12/8/2022
Nadal and Gussman Capitan, LLC	Email	11/15/2022
		11/21/2022
		11/22/2022
		12/1/2022
		12/2/2022
	Phone Calls	11/22/2022

Earthstone Operating, LLC Case No. 23244 Exhibit A-5

Isramco Energy LLC	Email	12/1/2022
		12/15/2022
	Phone Calls	12/1/2022
JIL Oil Corporation	Email	12/15/2022
		12/16/2022
		12/19/2022
	Phone Calls	12/15/2022
Asher Resources, LLP	Have never heard	
	from Asher	
Legacy Reserves Opearating, LLC	Email	11/19/2022
		12/1/2022
		12/7/2022
		12/10/2022
	Phone Calls	4/8/2022
	Filolie Calls	
		12/1/2022
		12/8/2022

STATE OF NEW MEXICO DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES OIL CONSERVATION DIVISION

APPLICATION OF EARTHSTONE OPERATING, LLC FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23244

SELF-AFFIRMED STATEMENT OF JASON ASMUS

- 1. I am a Senior Geologist for Earthstone Operating, LLC ("Earthstone"). I am over 18 years of age, have personal knowledge of the matters addressed herein, and am competent to provide this Self-Affirmed Statement. I have not previously testified before the New Mexico Oil Conservation Division ("Division").
- 2. I have a Masters in Geology and 10 years of experience in the petroleum industry. My experience has focused on exploration and asset exploitation related to carbonate and siliciclastic reservoirs of both conventional and unconventional nature. A copy of my resume is attached as **Exhibit B-1**.
 - 3. I am familiar with the geological matters that pertain to the above-referenced case.
- 4. **Exhibit B-2** is a location map of the proposed horizontal spacing unit comprised of the W/2 of the E/2 of Sections 5 and 8, Township 19 South, Range 33 East, Lea County, New Mexico ("Unit").
- 5. **Exhibits B-3** and **B-4** are structure maps for the top of the 1st Bone Spring Sand and 2nd Bone Spring Sand formations in subsea TVD with contour intervals of 25 ft. Map control points are shown in red. Approximate wellbore paths for the proposed **Bel-Air 5-8 Fed 1BS Com 4H** and the **Bel-Air 5-8 Fed 2BS Com 8H** are represented by orange dashed lines. These maps consistently demonstrate that the formation is gently dipping to the south to southeast in this area. I do not observe any faulting, pinch-outs, or geologic impediments to developing the targeted

Earthstone Operating, LLC Case No. 23244 Exhibit B intervals with horizontal wells. Each map also identifies the location of a three well cross-section running from A-A', which penetrate each targeted interval and are in proximity to the proposed wells. I used these well logs because they penetrate the targeted intervals, are of good quality, and are representative of the geology in the area.

- 6. The maps also identify three (3) wells penetrating the targeted intervals used to construct structural cross-sections from A to A'. I used these well logs because they penetrate the targeted intervals, are of good quality, and are representative of the geology in the area.
- 7. **Exhibit B-5** is a structural cross-section using the representative wells identified on **Exhibits B-3** and **B-4**. It contains gamma ray and resistivity logs. The proposed landing zones for the wells are labeled on the exhibit. This cross-section demonstrates the target intervals are continuous across the Unit.
- 8. **Exhibit B-6** is a gun barrel, or cross-sectional view of the proposed development plan for this Unit. This shows vertical and horizontal spacing between proposed wells.
- 9. In my opinion, a stand-up orientation for the wells is appropriate to properly develop the subject acreage because of an established directional pattern and the known fracture orientation in this portion of the trend. Stand-up orientation is also supported by a study of the production of stand-up vs laydown orientation in the area, with stand-up well results being significantly better.
- 10. Based on my geologic study of the area, the targeted interval underlying the Unit is suitable for development by horizontal wells and the tracts comprising the Unit will contribute equally to the production of the wells.
- 11. In my opinion, the granting of Earthstone's application will serve the interests of conservation, the protection of correlative rights, and the prevention of waste.

- 12. The attached exhibits were either prepared by me or under my supervision or were compiled from company business records.
- 13. I understand this Self-Affirmed Statement will be used as written testimony in this case. I affirm my testimony above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date identified next to my signature below.

Jesen / Seeres Jason Asmus

12-28-22

Date

JASON J. ASMUS

Earthstone Operating, LLC Case No. 23244 Exhibit B-1

Midland, TX | 419-308-7778 | jasonasmus20@gmail.com www.linkedin.com/in/jasonasmus

GEOLOGIST: Enhancing field development and conceptualizing actionable exploration prospects

Ardent geoscientist with extensive regional exploration and field development expertise related to carbonate, siliciclastic, and mudrock reservoirs across the Permian Basin. Proven track record of delivering comprehensive geologic analyses as part of multi-disciplinary collaboration efforts yielding actionable and economic exploration prospects, field development strategies, and asset acquisitions. Proficient with a diverse range of software and large data sets relating to geologic mapping and modelling, advanced well log evaluation, seismic and geophysical interpretation, wellbore geosteering, drilling and completions engineering, data analytics. Adept written/oral technical communicator with strong leadership and problem-solving skills, and a passion for driving personal and cultural innovation and growth.

COMPETENCIES & SKILLS

TECHNICAL COMPETENCIES

Data Analysis | 2D/3D Geological Mapping and Modeling | Conventional & Unconventional Reservoirs | Sequence Stratigraphy Rock Mechanics | Advanced Petrophysics & Log Analysis | Seismic Interpretation | Source Rock Oil Maturity | Enhanced Oil Recovery Geosteering | Well Planning & Regulatory | Drilling, Completions & Production Operations | Mergers, Acquisitions & Divestitures Prospect Generation | Competitor Monitoring & Analysis | Life Cycle Field Development

PROFESSIONAL COMPETENCIES

Independent and Critical Thinking | Problem Solving | Interpersonal Skills | Time Management | Written and Oral Communication skills | Innovative | Technical Presentation skills | Multi-Disciplinary Collaboration | Team Leadership | Continued Education

SOFTWARE

Petra | Kingdom | Spotfire | ArcGIS | IHS Markit | Enverus | Microsoft Office Suite | IHS Market State & Federal databases (e.g. TRRC, NMOCD, CRC, CONTINUUM) | Outlook | StarSteer | OFM

PROFESSIONAL EXPERIENCE

Senior Geologist, Earthstone Energy, Midland, TX

03/2022 - Present

Senior geologist tasked with delivering actionable and economic field development strategies and asset acquisitions across the Delaware Basin as part of a multi-disciplinary team

Exploration Geologist, Cimarex Energy Co., Denver, CO

06/2019 - 09/2020

Senior exploration geologist for Permian Basin New Ventures and Asset Evaluation Team. Conceptualized and advanced regional and local exploration prospects across legacy (including EOR) and unproven (wildcat) fields and trend areas of Permian Basin utilizing diverse software and datasets including Petra, Kingdom, ArcGIS, Spotfire, 2D/3D seismic/geophysical, advanced petrophysics, core and cuttings, mud and sample logs and formation and completion tests

- Generated actionable, high rate of return exploration prospects grounded in meticulous technical analyses detailing geologic concept, reservoir-source-trap attributes, risk factors, and life cycle development and production potential (Delaware Basin Province San Andres, Yeso Group, Strawn, Wolfcamp, Bone Spring, Brushy Canyon; Midland Basin Province Clearfork, Spraberry, Dean, Wolfcamp, Cisco, Canyon, Strawn, Devonian; Central Basin Platform Province Clearfork, Wichita-Albany, Devonian, Silurian)
- Proficiently evaluated and integrated large data sets from multiple sources into pitch book portfolios
- Furnished hierarchized profit ranking of A&D portfolios to executive management via presenting executive summaries and recommendation proposals in collaboration with engineers, geophysicist, petrophysicist, landman, and corporate finance/planning
- Championed development and implementation of innovative geological workflows resulting in expedited prospect identification and risk mitigation
- Provide geological expertise & economic analysis on business development opportunities such as land acquisitions, corporate mergers, acreage trades, and land divestitures
- Geological mentor for young professionals and geoscience interns within both Permian and Anadarko region offices (provided inperson & remote guidance to four young professionals and one intern within Permian office)

Geologist, Cimarex Energy Co., Midland, TX

01/2015 - 06/2019

Lead exploitation geologist for Delaware Basin Wolfcamp and Bone Spring asset teams comprising 100,000+ acres

- Implemented aggressive 6+ multi-rig horizontal drilling programs exceeding 40 wells per year and \$600MM D&C capital and oversaw
 all aspects of well planning and permitting to operational drilling and completion
- Maximized formation targets and drilling locations, increased total potential reserve estimates, and reduced finding costs through
 exploitation of breakthroughs in reservoir characterization, and drilling and completions technology

Received by OCD: 1/3/2023 3:48:05 PM Advanced implementation of best practices for future horizontal development patterns (surface and subsurface), exploratory step-out tests, multi-well pilot projects, and injection SWD's by utilizing all applicable geologic, completions, and production data

- Enhanced the accuracy and detail of geologic evaluation and recommendation proposals via iterative generation of key geologic maps including structure, isopach, net pay, lithologic, mechanical properties, OOIP, OGIP, & GOR; in addition to, integration and evaluation of 2D & 3D Seismic (time/depth amplitude, coherency/incoherency and Young's Modulus & Poisson's Ratios from inversions)
- Conducted proposal-interpretation-application of advanced petrophysical logs, rock and fluid data (i.e. whole core, SWC, and thin-section based facies integration with sequence stratigraphic framework; digital image logs (FMI, OBMI, Quanta GEO), nuclear magnetic resonance and combinable magnetic resonance logs, litho scanner, elemental spectroscopy log, and dipole sonic logs for analysis of lithologic and geomechanical rock facies and associated fluids and porosity; Mohr's circle rock mechanics analysis, Core and cuttings analysis; PVT and DST Fluid Sampling)
- Promoted operational efficiencies and field development strategies (both near and long term) via daily review of drilling and completions, as well as flow back results with multi-disciplinary team members
- Monitored and evaluated competitor activity (leasing, drilling, targeting, completions, and production)
- Ensured successful and economic project execution by providing weekly updates to senior and executive management entailing development timelines, project execution summaries and go forward recommendations based on pre, and post, D&C results
- Generated recommendations for over 50 non-operated well proposals by assessing geologic attributes and expected economic return
- Geologic mentor to young professionals and geoscience interns

Geologist, Cimarex Energy Co., Midland, TX

02/2016 - 08/2016

Lead geologist for multi-disciplinary Acquisition and Divestiture team as part of special assignment within Permian Basin Region

- Augmented clarity of executive management on strategic acquisition and divestiture opportunities by presenting comprehensive value and risk assessments within geologic context
- Generated and presented evaluation portfolios of 54 real-time, and 41 look-back competitor acquisition opportunities to region and executive management

Project Geologist, EOG Resources, Inc., Midland, TX

11/2012 - 12/2014

Lead exploitation geologist for Delaware Basin Bone Spring and Wolfcamp shales, and Midland Basin Wolfcamp shale asset teams

- Oversaw D&C planning and execution, science acquisition and analyses of a multi-rig horizontal drilling program for Wolfcamp and Leonard shale assets across Midland and Delaware Basin leaseholds consisting of 15 Midland Basin Wolfcamp wells, 20 Delaware Basin Leonard Shale wells, and 9 Delaware Basin Wolfcamp shale wells totaling \$300MM in capital budget
- Generated recommendations for over 20 non-operated well proposals by assessing geologic attributes and expected economic return
- Monitored and evaluated competitor activity (leasing, drilling, targeting, completions, and production)
- Optimized near-, and long-term field development strategies within Wolfcamp and Bone Spring prospects through identification of key geomechanical rock properties impacting 3D well spacing and targeting, completions designs, and production volumes

EDUCATION AND PROFESSIONAL MEMBERSHIPS

Master of Science: Geology cum laude

12/2012

Western Michigan University, Kalamazoo, MI

Thesis Title: Characterizing the Internal Architecture of Upper Bone Spring Limestone Turbidites and Mass-Transport Deposits (MTDs) Utilizing High-Resolution Image Log Technology; Thesis Advisor: Dr. G.M. Grammer

Bachelor of Science: Geology *cum laude*

05/2010

Western Michigan University, Kalamazoo, MI

- American Association of Petroleum Geologists (AAPG)
- West Texas Geological Society (WTGS)
- Society for Sedimentary Geology (SEPM)
- Geological Society of America (GSA)

ADVANCED PROFESSIONAL TRAINING AND DEVELOPMENT

- Guadalupe Mountains Field Course: XEC
- Geophysics for Subsurface Professionals: Nautilus (N080)
- Mudstone Diagenesis Hedberg Research Conf.: SEPM-AAPG
- Log Analysis of Hydrocarbon-Bearing Shales: PPDC
- Petrophysical Evaluation of Mudstone Reservoirs: AAPG
- Applied Subsurface Geological Mapping: SCA
- Well Log Sequence Stratigraphy: EOG
- Shale Field Course: EOG
- The Bakken Petroleum System: Nautilus (M271)
- Tectonic Controls on Basin Dev. and Petrol. Systs.:

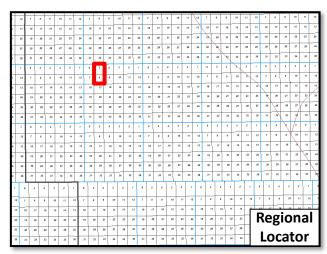
- Geological Interpretation of Well Logs: Nautilus (F003)
- Structural Geology for Petrol. Exploration: Nautilus (M016)
- Distribution and Geometry of Potential Carbonate Reservoir Facies, Great Bahama Bank: WMU-OSU
- Capitan Shelf Margin, Gulf PDB-04 Core: PBS-SEPM
- YPE Field Trip Guadalupe Mountains, TX & NM: PBS-SEPM

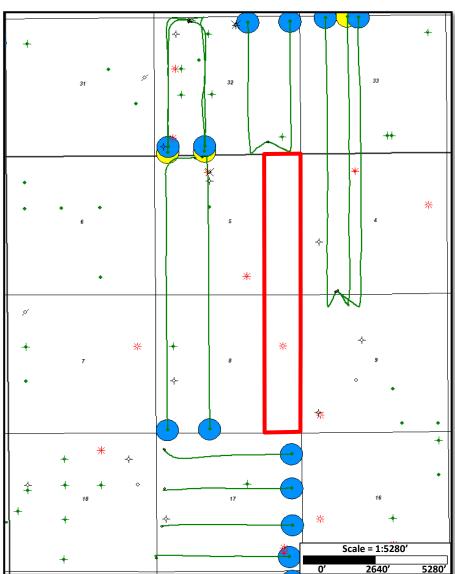
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Exhibit B-2 Locator Map

- 1st Bone Spring Sand

- 2nd Bone Spring Sand





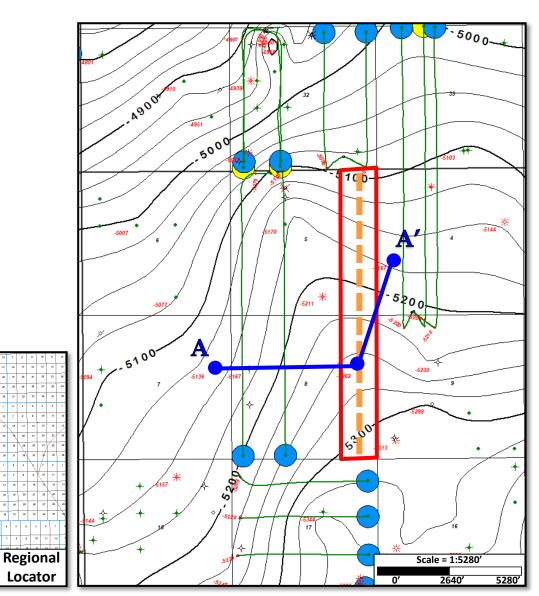
Earthstone Operating, LLC Case No. 23244 Exhibit B-2



- 1st Bone Spring Sand

- 2nd Bone Spring Sand

Exhibit B-3 1st Bone Spring Sand Structure (SSTVD): Contour Interval = 25'



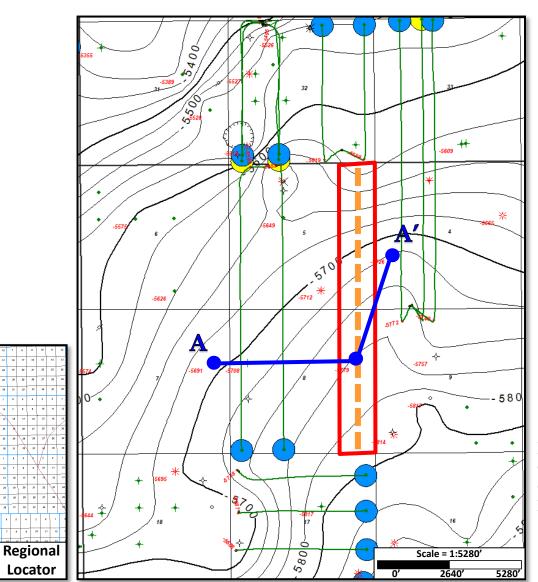
Earthstone Operating, LLC Case No. 23244 Exhibit B-3



- 1st Bone Spring Sand

- 2nd Bone Spring Sand

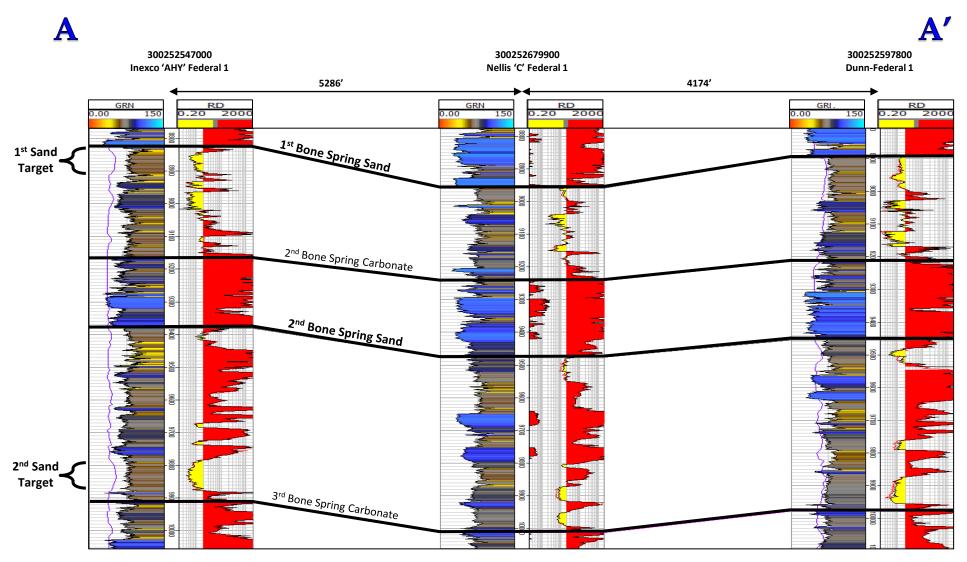
Exhibit B-4 2nd Bone Spring Sand Structure (SSTVD): Contour Interval = 25'



Earthstone Operating, LLC Case No. 23244 Exhibit B-4

> EARTHSTONE Energy Inc.

Exhibit B-5 Structural Cross Section A-A': 1st - 2nd Bone Spring Sand

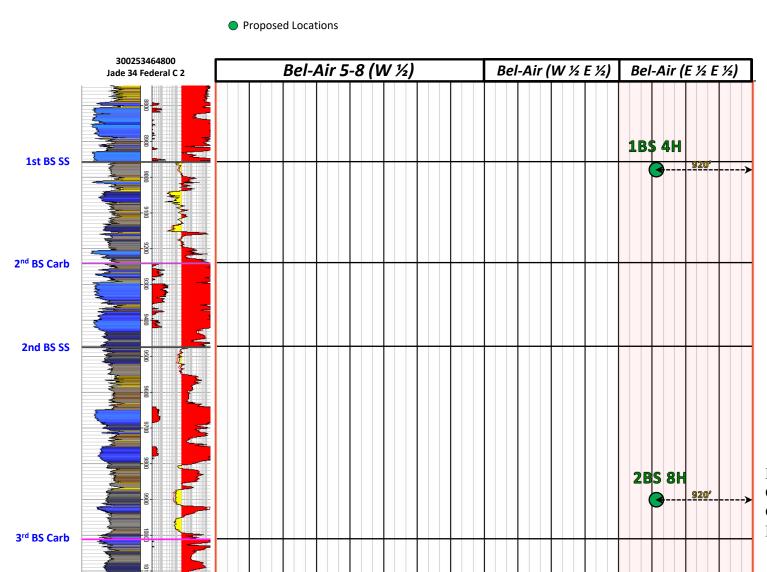


Earthstone Operating, LLC Case No. 23244 Exhibit B-5



Exhibit B-6 Gun Barrel Development Proposal

330



1980'

2310'

2640'

1980'

Earthstone Operating, LLC Case No. 23244 Exhibit B-6



STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISON

APPLICATION OF EARTHSTONE OPERATING, LLC FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

CASE NO. 23244

SELF-AFFIRMED STATEMENT OF DANA S. HARDY

1. I am attorney in fact and authorized representative of Earthstone Operating, LLC

the Applicant herein.

2. I am familiar with the Notice Letter attached as **Exhibit C-1** and caused the Notice

Letter, along with the Application in this case, to be sent to the parties set out in the chart attached

as Exhibit C-2.

3. Exhibit C-2 also provides the date each Notice Letter was sent and the date each

return was received.

4. Copies of the certified mail green cards and white slips are attached as **Exhibit C-**

3 as supporting documentation for proof of mailing and the information provided on Exhibit C-2.

5. On December 21, 2022, I caused a notice to be published to all interested parties in

the Hobbs News-Sun. An Affidavit of Publication from the Legal Clerk of the Hobbs News-Sun,

along with a copy of the notice publication, is attached as **Exhibit C-4**.

6. I understand this Self-Affirmed Statement will be used as written testimony in the

subject cases. I affirm that my testimony above is true and correct and it made under penalty of

perjury under the laws of the State of New Mexico. My testimony is made as of the date

handwritten next to my signature below.

/s/ Dana S. Hardy

Dana S. Hardy

December 30, 2022

Date

Earthstone Operating, LLC Case No. 23244 Exhibit C



HINKLE SHANOR LLP

P.O. BOX 2068

SANTA FE, NEW MEXICO 87504 505-982-4554 (FAX) 505-982-8623

WRITER: Dana S. Hardy, Partner dhardy@hinklelawfirm.com

December 8, 2022

<u>VIA CERTIFIED MAIL</u> RETURN RECEIPT REQUESTED

TO ALL PARTIES ENTITLED TO NOTICE

Re: Case No. 23244 – Application of Earthstone Operating, LLC for Compulsory Pooling, Lea County, New Mexico.

To whom it may concern:

This letter is to advise you that the enclosed application was filed with the New Mexico Oil Conservation Division. The hearing will be conducted on **January 5**, 2023 beginning at 8:15 a.m.

Hearings are currently conducted remotely. To participate in the electronic hearing, see the instructions posted on the OCD Hearings website: https://www.emnrd.nm.gov/ocd/hearing-info/. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

Pursuant to Division Rule 19.15.4.13.B, a party who intends to present evidence at the hearing shall file a pre-hearing statement and serve copies on other parties, or the attorneys of parties who are represented by counsel, at least four business days in advance of a scheduled hearing, but in no event later than 5:00 p.m. Mountain Time, on the Thursday preceding the scheduled hearing date. The statement must be submitted through the OCD E-Permitting system (https://www.apps.emnrd.state.nm.us/ocd/ocdpermitting/) or via e-mail to ocd.hearings@emnrd.nm.gov and should include: the names of the parties and their attorneys, a concise statement of the case, the names of all witnesses the party will call to testify at the hearing, the approximate time the party will need to present its case, and identification of any procedural matters that are to be resolved prior to the hearing.

Please contact Matt Solomon, Senior Landman for Earthstone Operating, LLC by phone at (713) 379-3083 if you have questions regarding this matter.

Sincerely,	
/s/ Dana S. Hardy	

Dana S. Hardy

Enclosure

Earthstone Operating, LLC Case No. 23244 Exhibit C-1

PO BOX 10 ROSWELL, NEW MEXICO 88202 (575) 622-6510 FAX (575) 623-9332 7601 JEFFERSON ST NE · SUITE 180 ALBUQUERQUE, NEW MEXICO 87109 505-858-8320 (FAX) 505-858-8321 PO BOX 2068 SANTA FE, NEW MEXICO 87504 (505) 982-4554 FAX (505) 982-8623

STATE OF NEW MEXICO DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES OIL CONSERVATION DIVISION

APPLICATION OF EARTHSTONE OPERATING, LLC FOR COMPULSORY POOLING, LEA COUNTY, NEW MEXICO.

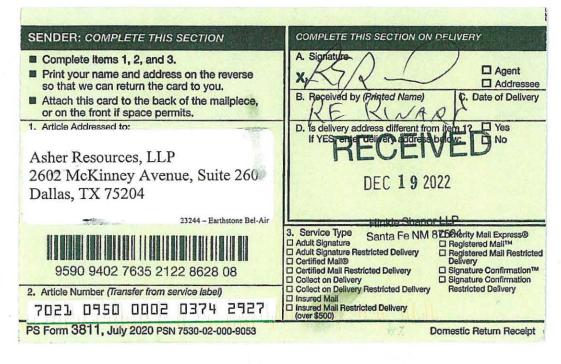
CASE NO. 23244

NOTICE LETTER CHART

PARTY	NOTICE LETTER SENT	RETURN RECEIVED
Asher Resources, LLP	12/08/22	12/19/22
2602 McKinney Avenue, Suite 260		
Dallas, TX 75204		
Isramco Energy LLC	12/08/22	12/14/22
1001 West Loop South, Ste 750		Return to sender.
Houston, TX 77027		
JIL Oil Corporation	12/08/22	12/20/22
10500 Heritage Blvd., Suite 100		Return to sender.
San Antonio, TX 78216		
Jalapeno Corporation	12/08/22	12/14/22
P.O. Box 1608		
Albuquerque, NM 87103		
Legacy Reserves Operating LP	12/08/22	12/14/22
15 Smith Road, Suite 3000		
Midland, TX 79701		
MRC Delaware Resources, LLC	12/08/22	12/19/22
One Lincoln Center		No signature.
5400 LBJ Freeway, Suite 1500		
Dallas, Texas 75240		
MRC Explorers Resources, LLC	12/08/22	12/19/22
One Lincoln Center		No signature.
5400 LBJ Freeway, Suite 1500		
Dallas, Texas 75240		
MRC Spiral Resources, LLC	12/08/22	12/20/22
One Lincoln Center		No signature.
5400 LBJ Freeway, Suite 1500		
Dallas, Texas 75240		
Nadal and Gussman Capitan, LLC	12/08/22	12/16/22
15 E. 5th Street		
Tulsa, OK 74103		
Yates Energy Corporation	12/08/22	12/19/22
400 N Pennsylvania Avenue		
Roswell, NM 88201		

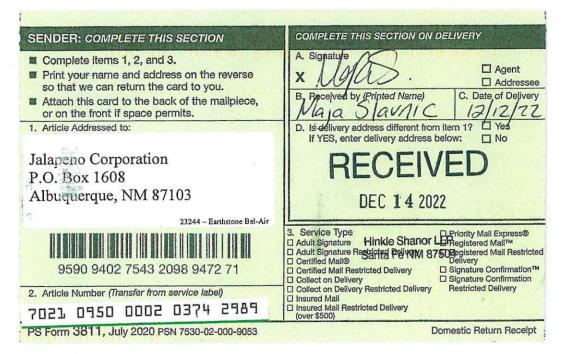
Earthstone Operating, LLC Case No. 23244 Exhibit C-2





Earthstone Operating, LLC Case No. 23244 Exhibit C-3













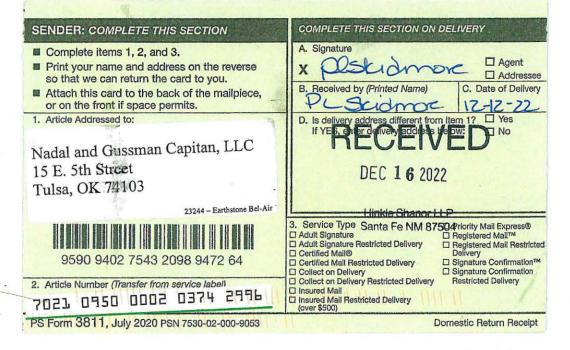




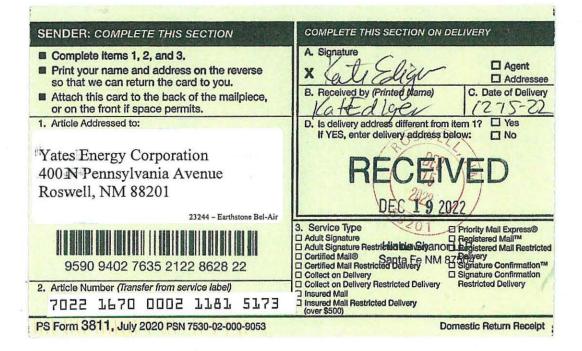














HINKLE SHANOR LLP ATTORNEYS AT LAW

POST OFFICE BOX 2068 SANTA FE, NEW MEXICO 87504

CERTIFIED MAIL®



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US POSTAGE MIPITNEY BOWES

ZIP 87501 \$ 007.820
02 7H
0006052409 DEC 08 2022

RECEIVED

DEC 14 2022

Hinkle Shanor LLP Santa Fe NM 87504 Isramco Energy LLC 1001 West Loop South, Ste 750 Houston, TX 7702

FORWARD TIME EXP RTN TO SEND :ISRAMCO ENERGY LLC 2401 FOUNTAIN VIEW DR STE 420 HOUSTON TX 77057-4818

87504>2068 7702789046 CO10



HINKLE SHANOR LLP

POST OFFICE BOX 2068 SANTA FE, NEW MEXICO 87504

RECEIVED

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Hinkle Shanor LLP Santa Fe NM 87504

CERTIFIED MAIL



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ZIP 87501 02 7H 0006052409

DEC 08 2022

JIL Oil Corporation

10500 Heritage Blvd., Suite 100

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San Antonio, TX 782

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NIXIE 782 FE

0012/14/23

RETURN TO SENDER
NOT DELIVERABLE AS ADDRESSED \
UNABLE TO FORWARD

BC: 87504206868

*0268-05362-08-44

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Affidavit of Publication

STATE OF NEW MEXICO COUNTY OF LEA

I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

> Beginning with the issue dated December 21, 2022 and ending with the issue dated December 21, 2022.

Publisher

Sworn and subscribed to before me this 21st day of December 2022.

Business Manager

My commission expires January 29, 2023

(Seal)

GUSSIE BLACK Notary Public - State of New Mexico Commission # 1087526 My Comm. Expires Jan 29, 2023

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

LEGAL NOTICE December 21, 2022

This is to notify all interested parties, including Asher Resources, LLP; Isramco Energy LLC; JIL Oil Corporation; Jalapeno Corporation; Legacy Reserves Operating LP; MRC Delaware Resources, LLC; MRC Explorers Resources, LLC; MRC Spiral Resources, LLC; Nadal and Gussman Capitan, LLC; Yates Energy Corporation; and their successors and assigns, that the New Mexico Oil Conservation Division will conduct a hearing on an application submitted by Earthstone Operating, LLC (Case No. 23244). The hearing will be conducted remotely on January 5, 2023, beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the OCD Hearings website for that date: https://www.emnrd.nm.gov/ocd/hearing-info/. Applicant applies for an order pooling all uncommitted interests in the Bone Spring formation underlying a 321.48-acre, more or less, standard horizontal spacing unit comprised of Lot 1, SE/4 NE/4, and E/2 SE/4 (E/2 E/2 equivalent) of irregular Section 5 and the E/2 E/2 of Section 8, Township 19 South, Range 33 East, Lea County, New Mexico ("Unit"). The Unit will be dedicated to the Bel-Air 5-8 Fed 1BS Com 4H and Bel-Air 5-8 Fed 2BS Com 8H wells ("Wells"), which will be drilled from a surface hole location in the SW/4 SE/4 (Unit O) of Section 32, Township 19 South, Range 33 East. The completed intervals of the Wells will be orthodox. Also to be considered will be the cost of drilling and completing the Wells and the allocation of the cost, the designation of Applicant as operator of the Wells and a 200% charge for the risk involved in drilling and completing the Wells. The Wells are located approximately 33 miles west of Hobbs, New Mexico, #00274068

02107475

GILBERT HINKLE, SHANOR LLP PO BOX 2068 SANTA FE, NM 87504 00274068

Earthstone Operating, LLC Case No. 23244 Exhibit C-4