

Additional Information Notice, AOR Wells and Map

Well	Type/Status	Date Drilled	Location	Depth
Blue Quail Federal 3	Active oil	10/18/2010	32.3133400, -103.71608	8800
Sharbro Federal 1	Active oil	8/30/1995	32.31341, -103.7069200	10630
Sharbro Federal 10	Active oil	8/28/2011	32.3166894, -103.7116847	8900
Tomcat 18 Federal 1	Active oil	5/9/1996	32.3098622, -103.7084537	9349
SDE 18 Federal 1	Plugged Oil	11/7/1979	32.3089112, -103.7165412	9300
Stray Cat 8 Federal Com 1H	Active oil	8/23/2016	32.3123755, -103.7031042	10450

STATE OF New Mexico §
COUNTY OF SANTA FE §

AFFIDAVIT OF SERVICE

Before me, the undersigned authority, personally appeared William E. HACKETT
who, after being duly sworn by me, swore as follows:

My name is William E. HACKETT, I am over the age of eighteen, of sound mind
and capable of making this affidavit.

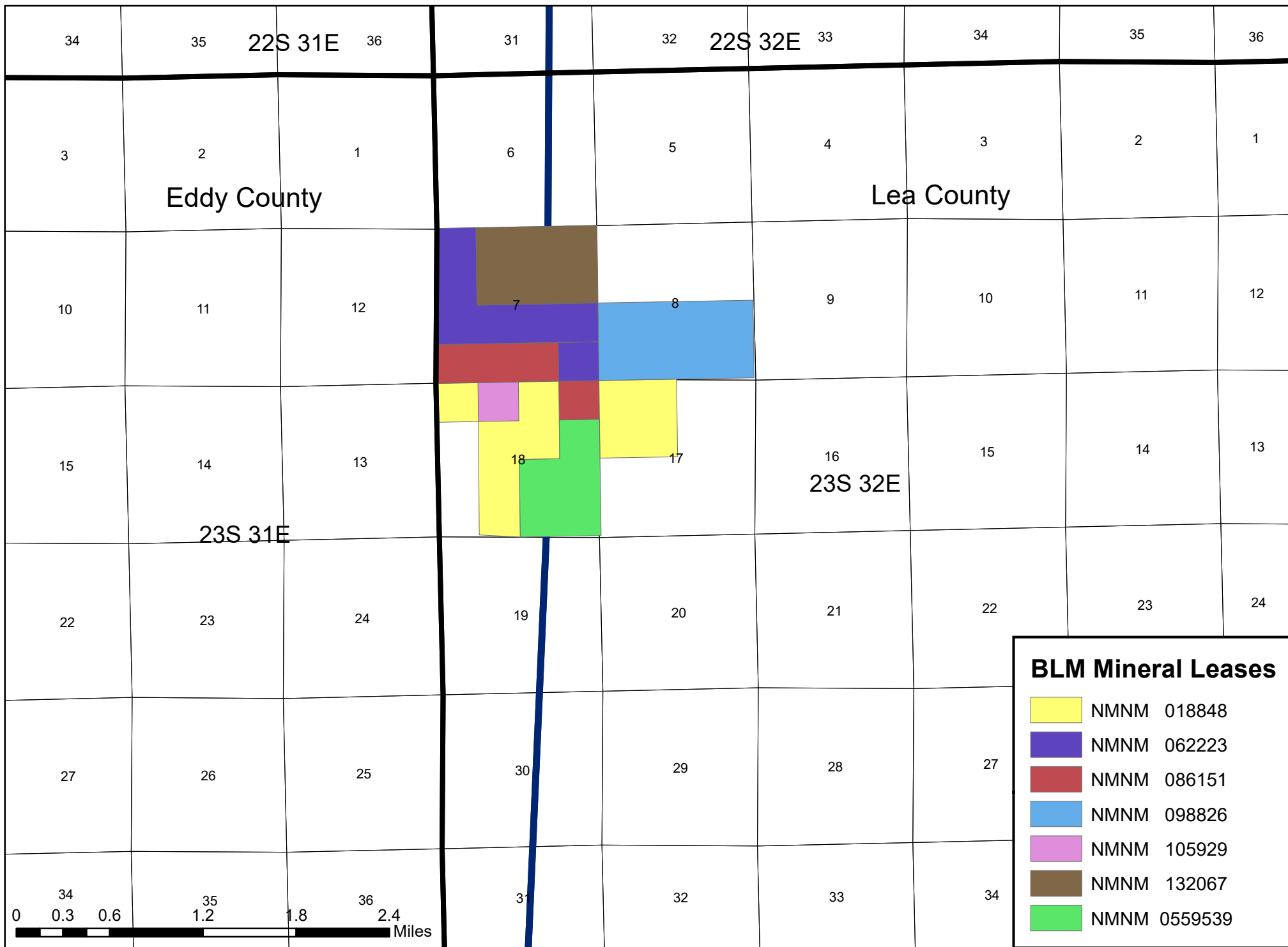
On AUGUST 1st, 2019, I personally served the Bureau of Land Management
and the New Mexico State Land Office with the Application for Authorization to Inject for
Foundation Energy Management, LLC. The Bureau of Land Management and the New Mexico
State Land Office were served with this Application pursuant to 19.15.2.7 NMAC.

William E. Hackett
Affiant

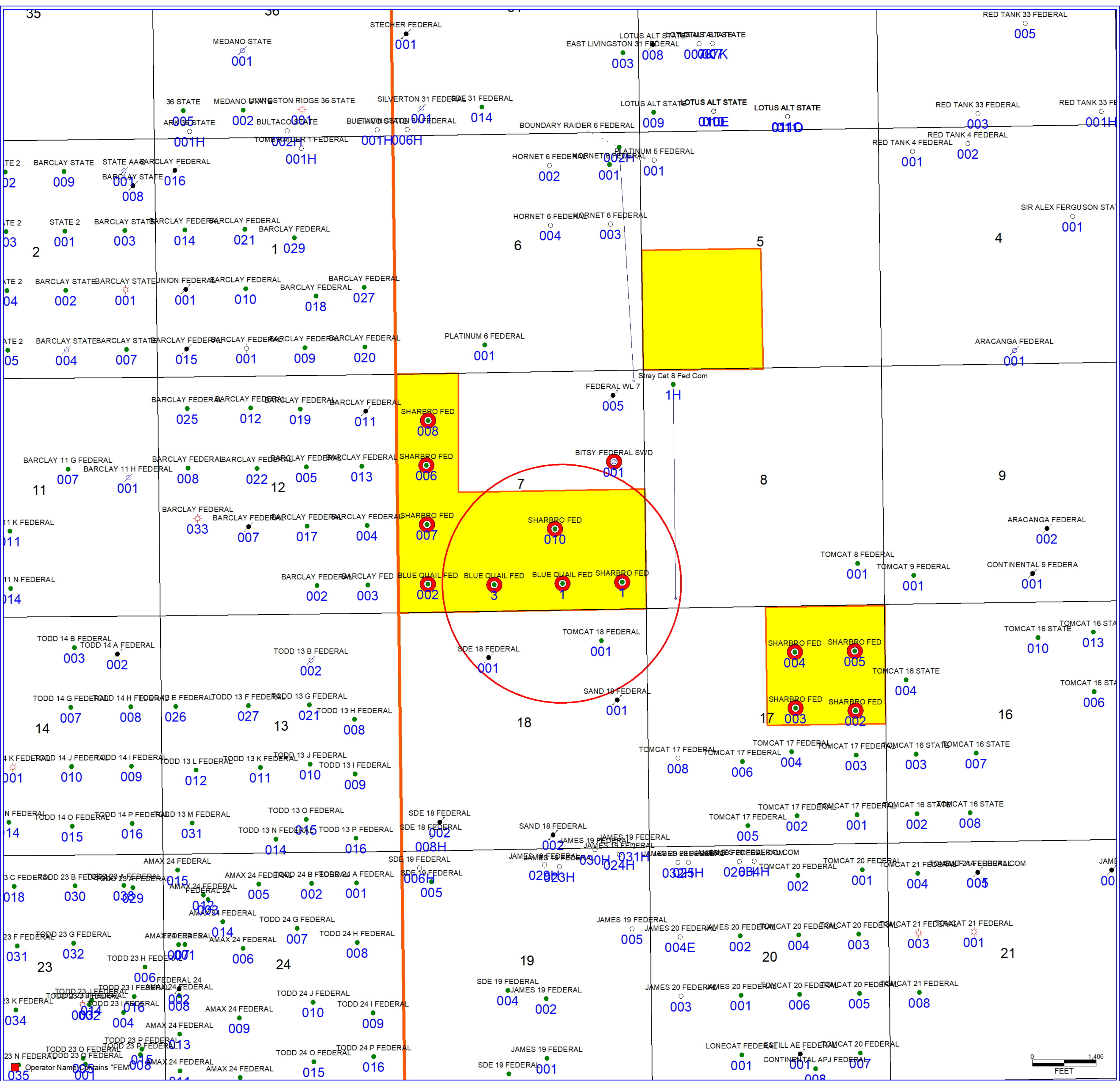
This instrument was acknowledged before me on 21 day of JANUARY,
2020, by JOHN TODD.

John Todd
Notary Public State of NM
My commission expires: 8/19/23

OFFICIAL SEAL
JOHN TODD
NOTARY PUBLIC, STATE OF NEW MEXICO
MY COMMISSION EXPIRES 8/19/23



OGL Serial #	Aliquot	Section	Township	Range	Operating Rights / Leaseholder	Surface Owner
NMNM 062223	Lots 1, 2, 3, NESW, N2SE, SESE	7	23S	32E	Foundation Energy Fund V-B Holding, LLC	BLM / USA
NMNM 132067	NE, E2NW	7	23S	32E	Devon Energy Production Co	BLM / USA
NMNM 086151	Lot 4, SESW, SWSE	7	23S	32E	Devon Energy Production Co	BLM / USA
	NENE	18				
NMNM 018848	NW	17	23S	32E	Devon Energy Production Co	BLM / USA
	Lot 1, W2NE, E2W2	18				
NMNM 105929	NENW	18	23S	32E	Strata Production Company	BLM / USA
NMNM 098826	S2	8	23S	32E	Devon Energy Production Co	BLM / USA
NMNM 0 559539	SENE, SE	18	23S	32E	XTO Energy Incorporated	BLM / USA



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-HOBBS

FORM APPROVED
OMB NO. 1004-0137
Expires July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		5. Lease Serial No. NMNM 86151							
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr., Other		6. If Indian, Allottee or Tribe Name							
2. Name of Operator Enervest Operating, LLC		7. Unit or CA Agreement Name and No.							
3. Address 1001 Fannin St. Ste 800 Houston, Tx 77002		8. Lease Name and Well No. Blue Quail Federal #3							
3a. Phone No. (include area code) 713 495-6530		9. API Well No. 30-025-39818							
4. Location of Well (Report location clearly and in accordance with Federal requirements) At surface SE/4 SW/4 660' FSL & 1,980' FWL		10. Field and Pool, or Exploratory Sand Dunes (Bone Springs)							
At top prod. interval reported below		11. Sec., T., R., M., or Block and Survey or Area UL N, Sec 07, 23 S, 32 E							
At total depth SE/4 SW/4 600' FSL & 1,980' FWL		12. County or Parish Lea							
14. Date Spudded 10/18/2010		13. State NM							
15. Date T.D. Reached 10/22/2010		17. Elevations (DF, RKB, RT, GL)* 3,548 GL							
16. Date Completed ☐ D & A ☒ Ready to Prod. 12/16/2010									
18. Total Depth: MD 8,800 TVD 8,800		19. Plug Back T.D.: MD 8,664 TVD 8,664							
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GR/CCL/CBL							
22. Was well cored? ☐ No ☒ Yes (Submit analysis) Was DST run ☐ No ☒ Yes (Submit report) Directional Survey? ☐ No ☒ Yes (Submit copy)									
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt.(#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No.of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17 1/2	13 3/8								
	H-40	48	0	943		800 'C'		Surf	0
12 1/4	8 5/8								
	J-55	32	0	4,555		1,230 'C'		Surf	0
7 7/8	5 1/2								
	N-80	17	0	8,800	6,000	660 'C'		2936	0
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2 7/8	8,622								
25. Producing Intervals									
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) Bone Springs	8,522		8,610 - 8,624	0.4	30	Open			
B)									
C)									
D)									
26. Perforation Record									
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.									
Depth Interval		Amount and Type of Material							
8,610 - 8,624		3,000 gal 7.5% NEFE acid;							
		Frac w/ 121,128 gal 25# BXL & 20,538 gal 10# Lincar;							
		& 123,500# 20/40 white sand + 54,647# 20/40 SLC Resin Coated Sd;							
28. Production - Interval A									
Date First Produced 12/16/10	Test Date 01/07/11	Hours Tested 24	Test Production →	Oil BBL 50	Gas MCF 340	Water BBL 6	Oil Gravity Corr. API	Gas Gravity	Production Method Pumping
Choke Size 64/64	Tbg. Press. Flwg. SI 30	Csg. Press. 0	24 Hr. →	Oil BBL 50	Gas MCF 340	Water BBL 6	Gas: Oil Ratio	Well Status Producing	
28a. Production-Interval B									
Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

(See instructions and spaces for additional data on page 2)

ACCEPTED FOR RECORD
Producing
FEB 22 2011
/s/ Dustin Winkler
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

APR 12 2011

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

28c. Production-Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Lamar Lime	4,572				
Ramsey Sd	4,608				
Cherry Can.	5,511				
Brushy Can.	8,235				
Bone Spr.	8,522				

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2011 FEB 10 PM 3:43
BUREAU OF LAND MGMT
CARLSBAD OFFICE

32. Additional remarks (include plugging procedure):

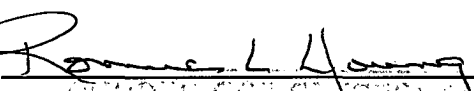
33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☐ Electrical/Mechanical Logs (1 full set req'd)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
 ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Ronnie L. YoungTitle Compliance Supervisor

Signature



Date

1-8-11

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

WELL NAME AND NUMBER Blue Quail Federal #3 30-025-39818
 LOCATION Section 7, T23S, R32E, 660 FSL, 1980 FWL, Lea County
 OPERATOR Enervest Ltd.
 DRILLING CONTRACTOR United Drilling, Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above described well and had conducted deviation test and obtained the following results:

Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
.7 @ 360'		
.5 @ 933'		
.6 @ 1902'		
1.0 @ 2885'		
3 @ 3907'		
2.1 @ 4057'		
.5 @ 5035'		
0 @ 5736'		
.2 @ 6528'		
.5 @ 7383'		
.7 @ 8175'		
.7 @ 8733'		

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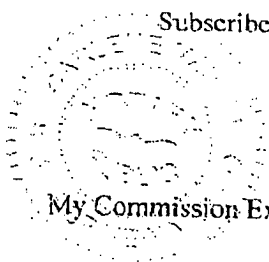
DEC 21 2010
 HOBBSOCD

Drilling Contractor- UNITED DRILLING, INC.

By: Luisa Noriega
 (Luisa Noriega)

Title: Assistant Office Manager

Subscribed and sworn to before me this 10th day of November, 2010.



My Commission Expires: 10-8-12

Charles Martin
 Notary Public
Charles New Mexico
 County State

KZ

APR 12 2011

COPY TO O. C. &
SUBMIT IN DUPLICATE

Form approved.
Budget Bureau No. 42-R355.5.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐				7. UNIT AGREEMENT NAME			
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐				S. FARM OR LEASE NAME SDE 18 Fed.			
2. NAME OF OPERATOR Getty Oil Company				9. WELL NO. 1			
3. ADDRESS OF OPERATOR P. O. Box 730, Hobbs, NM 88240				10. FIELD AND POOL, OR WILDCAT Sand Dunes			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface Ltr. C, 1980' FWL, 990' FNL At top prod. interval reported below At total depth				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 18, T-23S, R-32E			
14. PERMIT NO.				DATE ISSUED			
15. DATE SPUDDED 11-7-79				16. DATE T.D. REACHED 11-28-79			
17. DATE COMPL. (Ready to prod.) 12-16-79				18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3555' GR			
20. TOTAL DEPTH, MD & TVD 9300'				21. PLUG, BACK T.D., MD & TVD -			
22. IF MULTIPLE COMPL., HOW MANY*				23. INTERVALS DRILLED BY ROTARY TOOLS 0-9300'			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 8602-9098' - Bone Springs				25. WAS DIRECTIONAL SURVEY MADE Yes			
26. TYPE ELECTRIC AND OTHER LOGS RUN Schlumberger - CNL-Density 0-9300'; DLI-MSFL 9300-4650'; BHC-Sonic 9300-4650'. Dresser Atlas - CBL & Spectrolog				27. WAS WELL CORED No			
28. CASING RECORD (Report all strings set in well)							
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE	
11 3/4		42#		966		15	
8 5/8		24 & 32#		4650		10 5/8	
5 1/2		17 & 15.50#		9300		7 7/8	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKER SET (MD)			
2 7/8		8501		8501			
31. PERFORATION RECORD (Interval, size and number) 8602, 06, 10, 28, 40, 44, 56, 61, 71, 77, 8743, 47, 76, 80, 8888, 8945, 50, 66, 69, 76, 80, 86, 90, 94, 9010, 14, 30, 45, 58, 68, 74, 80, & 98' = 33 (.34") holes							
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. and 1875# salt.							
DEPTH INTERVAL (MD)				AMOUNT AND KIND OF MATERIAL USED			
8602-9098'				7000 gals. 15% NE and 50 ball sealers, 75,000 gals. 2% HCl, 98,250# 20/40 sand, 12 ball sealers, 750# benzoic acid flakes			
33. PRODUCTION DATE FIRST PRODUCTION 12-16-79 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Producing							
DATE OF TEST 12-27-79		HOURS TESTED 24		CHOKE SIZE 1/4"		PROD'N. FOR TEST PERIOD 52	
FLOW. TUBING PRESS. 150#		CASING PRESSURE -		CALCULATED 24-HOUR RATE 52		OIL—BBL. 52	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented		TEST WITNESSED BY					
35. LIST OF ATTACHMENTS Deviation Schedule							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED Date R. Crockett				TITLE Area Superintendent			
				DATE 1-2-80			

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 12: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Stacks Concept": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:			38. GEOLOGIC MARKERS		
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			NAME	TOP	
FORMATION	TOP	BOTTOM		MEAS. DEPTH	TRUE VERT. DEPTH
Bone Springs	8602	8780 = 15'	Rustler	913	
Bone Springs	8944	9100 = 57'	Delaware	4580	
			Cherry Canyon	5672	
			Brushy Canyon	6789	
			Bone Springs	8501	

RECEIVED

12 15 1980

OIL CONSERVATION DIV

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil & Gas Division
1625 N. French Dr.
Hobbs, NM 88240
FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT-" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
Oil Gas
☒ Well ☐ Well ☐ Other

2. Name of Operator

STRATA PRODUCTION COMPANY

3. Address and Telephone No. **P. O. Box 1030
Roswell, New Mexico 88202-1030 505-622-1127**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**990' FNL & 1980' FWL
Section 18-23S-32E**

5. Lease Designation and Serial No.

NM-18848

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

SDE 18 Federal #1

9. API Well No.

30-025-25622

10. Field and Pool, or Exploratory Area

Sand Dunes Delaware East

11. County or Parish, State

Lea County, New Mexico

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

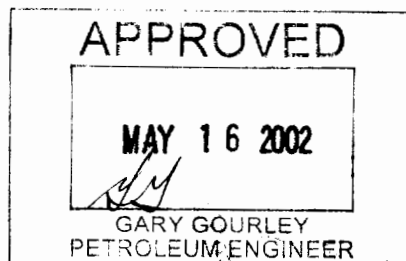
TYPE OF SUBMISSION	TYPE OF ACTION	
☒ Notice of Intent	☒ Abandonment	☐ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☒ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☐ OTHER	☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Plugging Procedure:

CIBP @ 8325' with 35' of cement. 100' plug 6749' - 6849', 15 sacks. 100' plug 4600' - 4700', 15 sacks. Tag plug. 100' plug 2500' - 2600', 15 sacks. 100' plug 916'-1016'. Tag plug. 50' surface plug, 10 sacks. Install dry hole marker, remove equipment, clean location and rip and reseed location.



14. I hereby certify that the foregoing is true and correct

Signed *Kenneth Britte*

Title Production Records

Date 05/13/2002

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

5
C GWW

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2002 MAY 14 AM 9:09

EDUCATION
BOSTON, MA 02108

EXISTING

PROPOSED

SDE "18" FED. #1
990' FNL & 1980' FWL
SEC. 18C-T23S-R32E
LEA COUNTY, NM
API # 30-025-25622
SPUD DATE: 11-7-79
LEASE: NM-18848

15" HOLE

RUSTLER 913'

11 3/4" @ 966'
900 SX.
CIRC.

10 5/8" HOLE

DEKAWARE 4580'

8 5/8" @ 4650'
2250 SX.
CIRC.

PLUGGING PROCEDURE

1. CIBP @ 8325' W/ 35' OF CEMENT
2. 100' PLUG 6749'-6849', 15 SX.
3. 100' PLUG 4600'-4700', 15 SX. TAG PLUG
4. 100' PLUG 2500'-2600', 15 SX.
5. 100' PLUG 916'-1016', TAG PLUG
6. 50' SURFACE PLUG, 10 SX
7. INSTALL DRY HOLE MARKER
8. REMOVE EQUIPMENT
9. CLEAN LOCATION
10. RIP AND RESEED LOCATION

CHERRY CANYON 5672'

BRUSHY CANYON 6789'

BONE SPRING 8501'

8363-68', 8372-80', 8394-8408', 8420-38'

CIBP @ 8550' W/ 50' OF CEMENT ON TOP, PBD 8500'

8602-77', 8743-80', 8888, 8945-9098'

PBD 9256'
51/2" 15.5 & 17 #/FT. K-55 CASING @ 9300'
CEMENTED W/ 2150 SX., CIRC

(November 1983)
(Formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATES

(Rev. 10-1-83)
Instructions on
reverse side

APPROVED
Bureau No. 1004-0137
Date August 31, 1985

LEASE, CONVEYANCE AND SERIAL NO.

WELL COMPLETION OR RECOMPLETION REPORT AND LOGS

1. TYPE OF WELL: ☒ OIL WELL ☐ GAS WELL ☐ HOT ☐ OTHER

2. TYPE OF COMPLETION: ☒ NEW WELL ☐ WORK OVER ☐ REPER ☐ PUMP ☐ DIFF. REPER ☐ OTHER

3. NAME OF OPERATOR
MYCO INDUSTRIES, INC.

4. ADDRESS OF OPERATOR
P.O. BOX 840, Artesia, NM 88210 505-748-4260

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 660' FSL & 660' FEL
At top prod. interval reported below
At total depth

6. UNIT AGREEMENT NAME

7. FARM OR LEASE NAME
SHARBRO FEDERAL

8. WELL NO.
1

9. FIELD AND POOL, OR WILDCAT
SAND DUNES BONE SPRING

10. SEC. T. R. M. OR BLOCK AND SUBSET
OR AREA

Sec. 7-T23S-R32E

11. PERMIT NO. DATE ISSUED

CERTIFIED RETURN: Z 061 313 140 API 30-015-33054

12. COUNTY OR PARISH
LEA

13. STATE
NM

14. DATE SPUDDED
8/30/95

15. DATE T.D. REACHED
9/23/95

16. DATE COMPL. (Ready to prod.)
11/2/95

17. ELEVATIONS (DP, RNB, BT, CB, ETC.)
3588' KB

18. ELEV. CASINGHEAD
3588'

19. TOTAL DEPTH, MD & TV
10,638'

20. PLUG BACK T.D., MD & TV
10,529'

21. IF MULTIPLE COMPL. HOW MANY?

22. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TV)
8674-8700' (AVALON SAND) RBP SET @ 8925' KB

23. TYPE ELECTRIC AND OTHER LOGS RUN
DLL-MSFL, GR-LD-DN

24. WAS DIRECTIONAL SURVEY MADE
TOTCO-ATTACHED

25. WAS WELL CORRED
SIDEWALL CORES

ACCEPTED FOR DEPOSIT
16 1996
CARLSON, NEW MEXICO

CASING RECORD (Report all strings used in well)				CEMENTING RECORD		AMOUNT PULLED
CASING SIZE	WEIGHT, LB/FT.	DEPTH SET (MD)	HOLE SIZE			
13-3/8"	54.5#	880'	17-1/2"	550-sxs (CIRC CMT)		
8-5/8"	32#	4455'	12 1/2"	1500-sxs (CIRC CMT)		
5-1/2"	6#	10,630'	7-7/8"	750-sxs stage I (CIRC CMT)	DV @ 7500'	
				1300-sxs stage II (TOC CBL)		

LINER RECORD				TUBING RECORD		
SIZE	TOP (MD)	BOTTOM MD	SACKS CMT	SIZE	DEPTH SET (MD)	PACKER SET (MD)
				2-7/8"	8686'	

26. 8976, 87, 9017, 25, 29, 32, 57, 67, 72, 79, 83, 9104, 08, 9115, 19, 26, 32, 35, 39, 85, 95, 9204, 08 (23-0.41" Holes)
8674, 76, 81, 83, 85, 92, 94, 96, 98, 8700 (2-SPF 0.41" Holes - 20 Holes Total)

27. PERFORATION RECORD (Interval, size & number)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8976' - 9208'	65,755 GAL + 184,000 # SAND
8674' - 8700'	139,000 GAL + 267,489 # SAND

29. PRODUCTION

DATE FIRST PRODUCTION
11/2/95

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)
PUMPING (2.5 X 1.5 X 30' ROD PUMP)

WELL STATUS (Producing or shut in)
PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
12/12/95	24-HRS			244	465	4	1906:1

FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)
			244	465	4	38°

30. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
SOLD TO GPM (FIRST GAS SALES: 11-2-95)

31. LIST OF ATTACHMENTS
WELL CHRONOLOGY, TOTCO SURVEY

32. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

TEST WITNESSED BY
CARLOS GUERRERO

SIGNED Isabel Lopez TITLE ENGINEERING TECHNICIAN DATE 12/13/95

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DEC 06 2011

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other										5. Lease Serial No. NM62223	
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other										6. If Indian, Allottee or Tribe Name	
2. Name of Operator Pervest Operating LLC										7. Unit or CA Agreement Name and No.	
3. Address 1001 Fannin St. Ste 800 Houston, Texas 77002										8. Lease Name and Well No. Shapiro Federal 10	
3a. Phone No. (include area code) 713-495-1571										9. API Well No. 30-025-40218	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface UL J 1830' BBL & 1,980' BBL										10. Field and Pool, or Exploratory Sand Dunes (Bone Springs)	
At top prod. interval reported below										11. Sec., T., R., M., or Block and Survey or Area UL J, Sec 7, 23S, 32E	
At total depth										12. County or Parish Lea	
14. Date Spudded 08/29/2011										13. State NM	
15. Date T.D. Reached 09/14/2011										17. Elevations (DF, RKB, RT, GL)* 3554' GL	
16. Date Completed ☐ D & A ☒ Ready to Prod. 10/20/11											
18. Total Depth: MD TVD 8,900'										19. Plug Back T.D.: MD TVD 8857'	
20. Depth Bridge Plug Set: MD TVD											
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) Triple Combo & Micro CBL, CBL										22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run ☒ No ☐ Yes (Submit report) Directional Survey? ☒ No ☐ Yes (Submit copy)	
23. Casing and Liner Record (Report all strings set in well)											
Hole Size	Size/Grade	WT. (#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled		
17 1/2	13 3/8										
	H-40	48	0	990		875 'C'		surf			
12 1/4	8 5/8										
	J-55	32	0	4,595		1375 'C'		surf			
7 7/8	5 1/2										
	N-80	17	0	8,900		805 'C'		surf			
24. Tubing Record											
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)			
2-7/8"	8717.8										
25. Producing Intervals											
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status					
A) Bone Springs	8485'		8630-56'	0.400	54	Open					
B)											
C)											
D)											
26. Perforation Record											
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.											
Depth Interval	Amount and Type of Material										
8,630 - 8,656	Frac w/4409 bbls wtr w/229840# of sand 72020# resin coated Loaded tbg w/11 bbls of 2% KCL.										
RECLAMATION DUE 4-20-12											
28. Production - Interval A											
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCP	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method		
10/20/11	10/22/11	24	→	77	261	30			Flows from well		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status			
64/64	150	200	→	77	261	30		POW			
28a. Production-Interval B											
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCP	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method		
			→								
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr.	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status			
			→								

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

28c. Production-Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. →	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Lamar Line	4600'		Limestone		
Ramsey Sd	4625'		Sandstone		
Cherry Can.	5529'		Sandstone/shale		
Brushy Can.	6828'		Sandstone/shale		
Bone Spr.	8485'		Limestone		

RECEIVED

JUL 17 4 41 PM '57

BUREAU OF LAND MANAGEMENT
OILFIELD FIELD OFFICE

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd)
 ☐ Geologic Report
 ☐ DST Report
 ☐ Directional Survey
 ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Janet M. BienskiTitle Regulatory Assistant

Signature

Janet M Bienski

Date

11-8-11

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NMOCD
Hobbs

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other _____

2. Name of Operator **DEVON ENERGY PRODUCTION COMPANY** Contact: **CHANCE BLAND**
Email: **chance.bland@devon.com**

3. Address **6488 SEVEN RIVERS HIGHWAY** 3a. Phone No. (include area code)
ARTESIA, NM 88211 Ph: **405-693-9277**

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface **SWSW 211FSL 660FWL**
At top prod interval reported below **SWSW 50FSL 408FWL**
At total depth **NWNW 291FNL 363FWL**

5. Lease Serial No. **NMNM98826**
6. If Indian, Allottee or Tribe Name _____
7. Unit or CA Agreement Name and No. **NMNM136568**
8. Lease Name and Well No. **STRAY CAT 8 FED COM 1H**
9. API Well No. **30-025-42982-00-S1**
10. Field and Pool, or Exploratory **SAND DUNES-BONE SPRING**
11. Sec., T., R., M., or Block and Survey or Area **Sec 8 T23S R32E Mer NMP**
12. County or Parish **LEA** 13. State **NM**
14. Date Spudded **08/23/2016** 15. Date T.D. Reached **09/06/2016** 16. Date Completed ☐ D & A ☒ Ready to Prod.
10/21/2016 17. Elevations (DF, KB, RT, GL)* **3593 GL**

18. Total Depth: MD **15203** TVD **10478** 19. Plug Back T.D.: MD **15203** TVD **10478** 20. Depth Bridge Plug Set: MD **15203** TVD **10478**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) **GAMMARAY** 22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☐ No ☒ Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J-55	54.5	0	1100		1140	272	0	
12.250	9.625 J-55	40.0	0	4660		1630	502	0	
8.750	5.500 P-110	17.0	0	15203		1682	669	2000	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	10029							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING 2ND	10602	14987	10602 TO 14987		544	OPEN - Bone Spring
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
10602 TO 14987	6970000 LBS OF PROPPANT USED & 4494 GALS OF ACID

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/21/2016	11/18/2016	24	→	1289.0	1561.0	869.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
30	1081	89.0	→	1289	1561	869	1211	POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #359422 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED

RECLAMATION DUE:
APR 21 2017

ACCEPTED FOR RECORD
(ORIGINAL) DAVID R. GLASS

FEB 21 2017

DAVID R. GLASS

PETROLEUM ENGINEER

1/2

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
RED BEDS	0	1300		RUSTLER	1300
RUSTLER	1300	2248	BARREN	SALADO	2248
SALADO	2248	4620	SALT	BASE OF SALT	4620
BASE OF SALT	4620	4670	SALT	DELAWARE	4670
DELAWARE	4670	8637	OIL/GAS/WATER	BONE SPRING	8637
BONE SPRING	8637	9698	OIL/GAS/WATER	BONE SPRING 1ST	9698
BONE SPRING 1ST	9698	9943	OIL/GAS/WATER	BONE SPRING LIME	9943
BONE SPRING LIME	9943	10289	OIL/GAS/WATER	BONE SPRING 2ND	10289
BONE SPRING 2ND	10602	14987	OIL/GAS/WATER		

32. Additional remarks (include plugging procedure):

Production csg as follows: 8 3/4 inch hole @ 10724', 8 1/2 inch hole @ 15203', RIH w/ 353 jts 5 1/2" 17# P110ry cdc/htq csg, set at 15203.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #359422 Verified by the BLM Well Information System.
For DEVON ENERGY PRODUCTION COM LP, sent to the Hobbs
Committed to AFMSS for processing by DEBORAH HAM on 12/12/2016 (17DMH0031SE)

Name (please print) CHANCE BLANDTitle AUTHORIZED REPRESENTATIVE

Signature _____ (Electronic Submission)

Date 11/30/2016

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

P.O. BOX 1980

H. BS NEW MEXICO 88740

Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.
NM-86151

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Tomcat "18"
Federal #1

9. API WELL NO.
30-025-33364

10. FIELD AND POOL, OR WILDCAT

Sand Dunes Bone Spring

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
Sec. 18, T-23S, R-32E

12. COUNTY OR
PARISH

Lea

13. STATE

NM

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR

Santa Fe Energy Resources, Inc.

3. ADDRESS AND TELEPHONE NO.

550 W. Texas, Suite 1330, Midland, TX 79701

915/687-3551

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

(A), 660' FNL & 990' FEL, Sec. 18, T-23S, R-32E

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPURRED

5/9/96

16. DATE T.D. REACHED

5/23/96

17. DATE COMPL. (Ready to prod.)

6/8/96

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

3575' GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

9349'

21. PLUG, BACK T.D., MD & TVD

9021'

22. IF MULTIPLE COMPL.,
HOW MANY* N/A

23. INTERVALS
DRILLED BY

ROTARY TOOLS
A11

CABLE TOOLS
N/A

24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*

8677' - 8694' (Bone Spring)

25. WAS DIRECTIONAL
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

SDL/DSN; Microlog; HRI/GR

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13-3/8" H-40	48.0	622'	17-1/2"	600 sx Cl C (circ'd)	None
8-5/8" K-55	32.0	4450'	11"	1000 sx Poz & C (circ'd)	None
5-1/2" K-55	15.5 & 17.0	9348'	7-7/8"	1050 sx C-Lite & "H"	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					2-7/8"	8585'	N/A

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

8677-85' & 8690-94' w/4" csg gun, 26 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
8677' - 8694'	Frac'd w/ 24,000 gal gel & 81,000# Ottawa, 14,000# resin coated sand.

33.* PRODUCTION

DATE FIRST PRODUCTION 6/6/96		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Shut-in	
DATE OF TEST 6/9/96	HOURS TESTED 24	CHOKE SIZE 20/64"	PROD'N. FOR TEST PERIOD →	OIL - BBL 175	GAS - MCF. 632	WATER - BBL 0	GAS - OIL RATIO 3611
FLOW. TUBING PRESS. 200	CASING PRESSURE 700	CALCULATED 24-HOUR RATE →	OIL - BBL 175	GAS - MCF. 632	WATER - BBL 0	OIL GRAVITY - API (CORR.) 38 deg	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Currently shut-in waiting on connection

ACCEPTED FOR RECORD

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

C-104, Deviation Survey, Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

Senior Production Clerk

DATE

6/17/96

(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Delaware	4606	
				Ramsey	4660	
				Cherry Canyon	5634	
				Brushy Canyon	7220	
				Bone Spring	8564	
				Avalon Sand	8671	
				1st BS Sand	8960	

38. GEOLOGIC MARKERS

Completion Report	Plugging Details
Attached	
Attached	
Attached	
Attached	
Attached	Attached
Attached	