

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

**APPLICATION OF MANZANO LLC
FOR APPROVAL OF A PRESSURE
MAINTENANCE PROJECT AND
AUTHORIZATION TO INJECT,
LEA COUNTY, NEW MEXICO.**

Case No. _____

APPLICATION

In accordance with NMAC 19.15.27.8, Manzano LLC (“Applicant”) (OGRID No. 231429) files this application with the Oil Conservation Division for an order: (1) approving a pressure maintenance project for the injection of produced gas through the Vince BGH #1 well into the San Andres formation in a project area (“Project Area”) comprised of the SE/4 and E/2NE/4 of Section 30, and the E/2SE/4 of Section 19, Township 9 South, Range 35 East, NMPM, Lea County, New Mexico; and (2) authorizing Manzano to convert the Vince BGH #1 well from a producing well to an injector. In support of its application, Applicant states:

1. Applicant operates the following described wells within or near the Project Area:
 - the **Sodbuster 21 Fee #4H** (API 30-025-43704) with a surface hole location at 200 FSL, 1650 FWL of Section 21 and a bottom hole location at 330 FNL, 1650 FWL of Section 21;
 - the **Rag Mama 30-19 Fee #1** (API 30-025-44067) with a surface hole location at 25 FSL, 528 FEL of Section 30 and a bottom hole location at 2303 FSL, 394 FEL of Section 19; and
 - The **Vince BGH No. 1H** (API No. 30-025-37104) located at 1980 FSL, 1750 FEL (Unit J) of Section 30.
2. The wells are currently producing from the Jenkins San Andres Pool (Pool No. 33950).

3. Applicant proposes to convert its Vince BGH No. 1H well from a producer into an injection well for pressure maintenance operations. Applicant plans to inject produced gas from the Sodbuster 21 Fee #4 and Rag Mama 30-19 Fee #1 into the San Andres formation through a closed system using the Vince BGH No. 1H. Applicant does not anticipate compatibility issues.

4. The injection interval of the Vince BGH No. 1H is 4840 feet to 4850 feet.

5. Injection will provide pressure maintenance support for the Rag Mama 30 19 Fee #1 well and will also reduce flaring.

6. The expected average injection rate of produced gas into the Vince BGH No. 1H is 150 MCFGPD. The expected maximum injection rate is 1,000 MCFGPD to provide Manzano the option to inject more gas as the GOR increases or if Manzano drills additional wells in the Jenkins San Andres Pool.

7. The expected average injection pressure of produced gas into the Vince BGH No. 1H is 500 psi and the proposed maximum injection pressure is 950 psi.

8. Applicant's proposed pressure maintenance project can be conducted in a safe and responsible manner without causing waste, impairing correlative rights or endangering fresh water, public health or the environment.

9. Approval of this application will be in the best interest of conservation, the prevention of waste and the protection of correlative rights.

10. A copy of the applicable C-108 is attached as Exhibit A.

WHEREFORE, Applicant requests this application be set for hearing on January 6, 2022, and after notice and hearing, the Division enter an order: (1) approving a pressure maintenance project for the injection of produced gas through the Vince BGH #1 well into the San Andres formation in the Project Area; and (2) authorizing Manzano to convert the Vince BGH #1 well from a producer to an injector.

Respectfully submitted,

HINKLE SHANOR LLP

/s/ Dana S. Hardy

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Counsel for Manzano LLC

RECEIVED:	REVIEWER:	TYPE:	APP NO:
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ABOVE THIS TABLE FOR OCD DIVISION USE ONLY

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



ADMINISTRATIVE APPLICATION CHECKLIST

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

Applicant: Manzano, LLC **OGRID Number:** 231429
Well Name: VINCE BGH #1 **API:** 30-025-37104
Pool: JENKINS SAN ANDRES **Pool Code:** 319660

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

- 1) **TYPE OF APPLICATION:** Check those which apply for [A]
 A. Location – Spacing Unit – Simultaneous Dedication
 NSL NSP (PROJECT AREA) NSP (PRORATION UNIT) SD
- B. Check one only for [I] or [II]
 [I] Commingling – Storage – Measurement
 DHC CTB PLC PC OLS OLM
 [II] Injection – Disposal – Pressure Increase – Enhanced Oil Recovery
 WFX PMX SWD IPI EOR PPR

FOR OCD ONLY	
<input type="checkbox"/>	Notice Complete
<input type="checkbox"/>	Application Content Complete

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

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

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

JOHN WORRALL

Print or Type Name

9/28/2021

Date

Signature

575-623-1996 EXT. 302

Phone Number

JWORRALL@MANZANOENERGY.C

e-mail Address



September 28, 2021

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

New Mexico Oil Conservation Division
1625 N. French Drive
Hobbs, NM 88240

RE: Gas Injection Application
Manzano, LLC Vince BGH #1

Manzano, LLC hereby submits an application to convert the Vince BGH #1 to a gas injection well. Accordingly, please find enclosed an original and one copy of our application Form C-108 with attachments. A third copy has been sent to the Division Office in Hobbs. A Legal Notice of our application has been filed with the Hobbs Sun newspaper.

Should you have any questions regarding our application, I can be reached at 575-623-1996 ext. 302 or 575-420-5853 cell. Thank you for your assistance in handling our application.

Sincerely,

John Worrall
On behalf of Manzano, LLC

APPLICATION FOR AUTHORIZATION TO INJECT

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

II. OPERATOR: MANZANO, LLC

ADDRESS: P.O. BOX 1737, ROSWELL, NM 88202-1737

CONTACT PARTY: JOHN WORRALL PHONE: 575-623-1996

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

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

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

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

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

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

IX. Describe the proposed stimulation program, if any.

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

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

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

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

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

NAME: JOHN WORRALL TITLE: MANAGER

SIGNATURE:  DATE: 9/27/21

E-MAIL ADDRESS: JWORRALL@MANZANOENERGY.COM

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

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

Side 2

III. WELL DATA

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

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

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

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

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

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

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

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

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

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

Answers to FORM C-108. Application of Manzano, LLC to inject gas into the VINCE BGH #1.

III. The well data for the proposed injection well is attached along with the current and proposed wellbore diagram.

V. Attached is the Area of Review map identifying six total wells within the ½ mile radius of the Injection well including the injection well, one producing oil well, and four plugged and abandoned wells.

VI. The table of well data shows casing and cement information, the perforated intervals, and the plugging and abandonment information. Wellbore diagrams are attached for the five wells within the Area of Review.

VIII. 1. Manzano, LLC proposes to inject an average of 150 MCFGPD into the well. The maximum daily rate requested is 1000 MCFGPD to give Manzano the option to inject more gas as the GOR increases or if Manzano drills additional wells in the Jenkins San Andres pool.

2. The system is closed. There are two source wells and one injection well, all in the same reservoir, the San Andres P-1 dolomite.

3. The proposed average injection pressure is 500 psi, the proposed maximum injection pressure is 950 psi.

4. Source Wells: The gas to be injected is produced in the only two active wells in the Jenkins San Andres pool. It will be injected into the same zone in the injection well. There should no compatibility issues. These two source wells currently produce 59 BOPD, 129 MCFGPD, and 1068 BWPD.

a. Manzano, LLC Rag Mama 30 19 Fee #1 (API 30-025-37104) located at 25 FSL, 528 FEL Sec. 30-T9S-R35E.

b. Manzano, LLC Sodbuster 21 Fee #4H (API 30-025-43704) located at 200 FSL, 1650 FWL Sec. 21-T9S-R35E.

5. Gas analyses from the two source wells are attached.

VIII. Geologic Information of the Injection zone: See the attached log section cross section. The gas will be injected into the San Andres P-1 dolomite in existing perforations at 4840 to 4850 feet in the Vince BGH #1. This well will be converted from an existing oil producer to a gas injector for the purpose of maintaining reservoir pressure, to allow for more oil to be produced from the reservoir. The well currently produces 2 BOPD and 31 BWPD and is uneconomic. Reservoir: The San Andres formation is present from 4000 to 5460 feet in this well. The interval from 4810 to 4900 is known as the P-1 dolomite, which is a fine crystalline dolomite with 4% to 12% porosity, and 20 to 100 ohm-m of resistivity. The interval has up to 100 feet of porosity greater than 6% (See attached isopach map). Oil and gas is stratigraphically trapped where this

reservoir pinches out northward into anhydrite. The zone is also overlain by anhydrite, and underlain by a tight limestone.

Water Aquifer: The water aquifer in the area are the Ogallala red beds. Attached is a map ("Figure 4") from Atkins Engineering of Roswell showing the top of the aquifer is present at 4025 feet above sea level. The Vince BGH #1 well has a drill floor elevation of 4183 feet, which means water is found in the red beds at 158 feet. Atkins Engineering indicates there is approximately 25 feet of water in this area

IX. No additional stimulation is planned. The zone has already been acidized with 41,000 gallons of 15% NEFE acid.

X. Logs of this well are attached.

XI. There are no water wells within one mile of the proposed injection well. Attached is a map from Atkins Engineering ("Figure 3") which identifies the nearest water wells, all of which are located 2.5 to 3 miles from the injection well.

XIII. An Affidavit is attached.

XIV. Attached is a Land Map showing that there are no other operators within the 1/2 mile Area of Review radius. A copy of the application has been sent by certified mail to the surface owner, C.J. Kinsolving. A receipt is attached.

Attached is the Legal Notice filed with the Hobbs News Sun.

Other Attachments to this application:

- Injection Well Data Sheet
- Injection Well Current Wellbore Diagram
- Injection Well Proposed Wellbore Diagram
- Area of Review Map
- Table of Well Data
- Wellbore Diagrams of other five wells within the Area of review
- Gas Analysis – Manzano, LLC Rag Mama 30 19 Fee #1H
- Gas Analysis – Manzano, LLC Sodbuster 21 Fee #4H
- Log Cross Section of the P-1 Dolomite
- Net Porosity Isopach Map of the P-1 Dolomite
- Map of Top of Water in the Ogallala Red Beds from Atkins Engineering
- Location Map of Fresh Water Wells from Atkins Engineering
- Land Map
- Affidavit
- Legal Notice in the Hobbs News Sun
- Proof of Notice to the Surface Owner Charles Kinsolving
- Proof of Notice to the Bureau of Land Management Carlsbad Office
- Statement on Seismicity Analysis



- VIII. 1. Manzano proposes to inject an average of 150 Mcfgpd into the Vince BGH #1. The maximum proposed rate is 1000 MCFGPD.
- 2. The system is closed.
- 3. The average proposed injection pressure is 500 psi. The maximum proposed pressure is 950 psi. A 10 day shut in test on the Vince, revealed the current bottomhole pressure is 378 psi. The original bottomhole pressure is calculated as 1697 psi.
- 4. Gas will be sourced by the Sodbuster 21 #4H and the Rag Mama 30 19 Fee #1H wells. These wells currently produce 59 BOPD, 129 MCFGPD and 1068 BWPD.

INJECTION WELL DATA SHEET

Side 1

OPERATOR: MANZANO, LLC

WELL NAME & NUMBER: VINCE BGH #1

WELL LOCATION: 1980 FSL, 1750 FEL FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE
J 30 T9S R35E

WELLBORE SCHEMATIC

(SEE ATTACHED)

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17 1/2" Casing Size: 13 3/8"
Cemented with: 426 sx. or 975 ft³
Top of Cement: SURFACE Method Determined: CIRC.

Intermediate Casing

Hole Size: 12 1/4" Casing Size: 9 5/8"
Cemented with: 1103 sx. or 2500 ft³
Top of Cement: SURFACE Method Determined: CIRC.

Production Casing

Hole Size: 8 3/4" Casing Size: 5 1/2"
Cemented with: 1420 sx. or 3200 ft³
Top of Cement: 3645 Method Determined: CALC.

Total Depth: 12650

Injection Interval

4840 feet to 4850 (PERFS)

(Perforated or Open Hole; indicate which)

Side 2

INJECTION WELL DATA SHEET

Tubing Size: 2 7/8" Lining Material: _____

Type of Packer: ARROWSET 1-X _____

Packer Setting Depth: 4750 _____

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

Additional Data

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

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

DEVONIAN OIL WELL

2. Name of the Injection Formation: SAN ANDRES

3. Name of Field or Pool (if applicable): JENKINS SAN ANDRES

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. 1. DEVONIAN UPHOLE SET CIBP AT 12620. 20 CMT ON TOP 2. WOODFORD 12534-12592 SET CIBP AT 12500 30' CMT. 3. ATOKA PERFS 11607-11621, 11655-11664. SQUEEZED. 4. SAN ANDRES 4840-50.

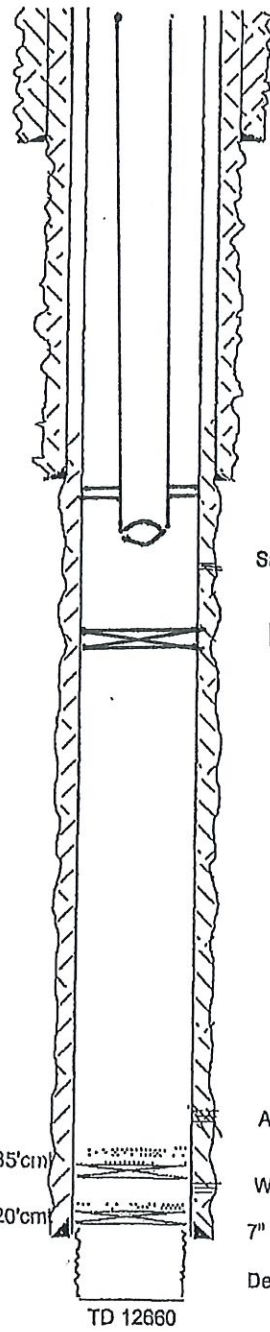
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: SAN ANDRES IS PRODUCTIVE. TOP IS 4000. BOUGH C

FORMERLY PRODUCED, NOW INACTIVE IN AREA, TOP IS 9738, DEVONIAN(TOP OF 12650) PRODUCES IN SECTION 20.

CURRENT WELLBORE DIAGRAM PROPOSED INJECTION WELL

Well Name: Vince BGH No. 1 Field: Wildcat
 Location: 1980' ESL & 1750' FEL Sec. 30-9S-35E Lea Co, NM
 GL: 4165' Zero: _____ AGL: _____ KB: 4183'
 Spud Date: 4/25/05 Completion Date: _____
 Comments: _____

Casing Program	
Size/Wt/Grade/Conn	Depth Set
13 3/8" 48# H40	426'
9 5/8" 36# 40# J55	4149'
7" 26# J55, L80, HCP110	12650'



13 3/8" csg @ 426'. Cmtd w/ 440 sx. Cmt circ.

TOC 3645' by calc.

9 5/8" csg @ 4149'. Cmtd w/ 1303 sx. Cmt circ.

San Andres perms 4840'-50'

RBP at 4921

Atoka perms 11607-21' & 11655-64' SQUEEZED

Woodford Sand perms 12534-12592'

7" csg @ 12650', Cmtd 1st slg w/ 165 sx. Cmtd 2nd slg w/ 2090 sx.

Devonian open hole.

CIBP@12500'+35'cm

CIBP@12620'+20'cm

TD 12660

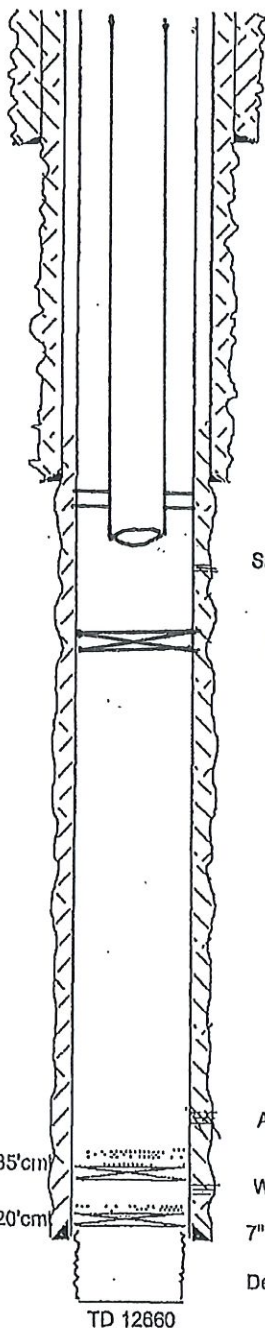
SKETCH NOT TO SCALE

DATE: 09/20/2021

PROPOSED WELLBORE DIAGRAM PROPOSED INJECTION WELL

Well Name: Vince BGH No. 1 Field: Wildcat
 Location: 1980' ESL & 1750' FEL Sec. 30-9S-36E Lea Co., NM
 GL: 4165' Zero: _____ AGL: _____ KB: 4183'
 Spud Date: 4/25/05 Completion Date: _____
 Comments: _____

Casing Program	
Size/Wt/Grade/Conn	Depth Set
13 3/8" 48# H40	426'
9 5/8" 36& 40# J55	4149'
7" 26# J55, L80, HCP110	12650'



13 3/8" csg @ 426'. Cmtd w/ 440 sx. Cmt circ.

TOC 3645' by calc.

9 5/8" csg @ 4149'. Cmtd w/ 1303 sx. Cmt circ.

San Andres perfs 4840'-50'

RBP at 4921

PROPOSED INJECTION

Use Existing Perfs at 4840 to 4850 feet
 Set Arrowset 1-X packer at 4750 feet.
 2 7/8" tubing to 4800 feet.

Atoka perfs 11607-21' & 11655-64' SQUEEZED

Woodford Sand perfs 12534-12592'

7" csg @ 12650', Cmtd 1st slg w/ 165 sx. Cmtd 2nd slg w/ 2090 sx.

Devonian open hole.

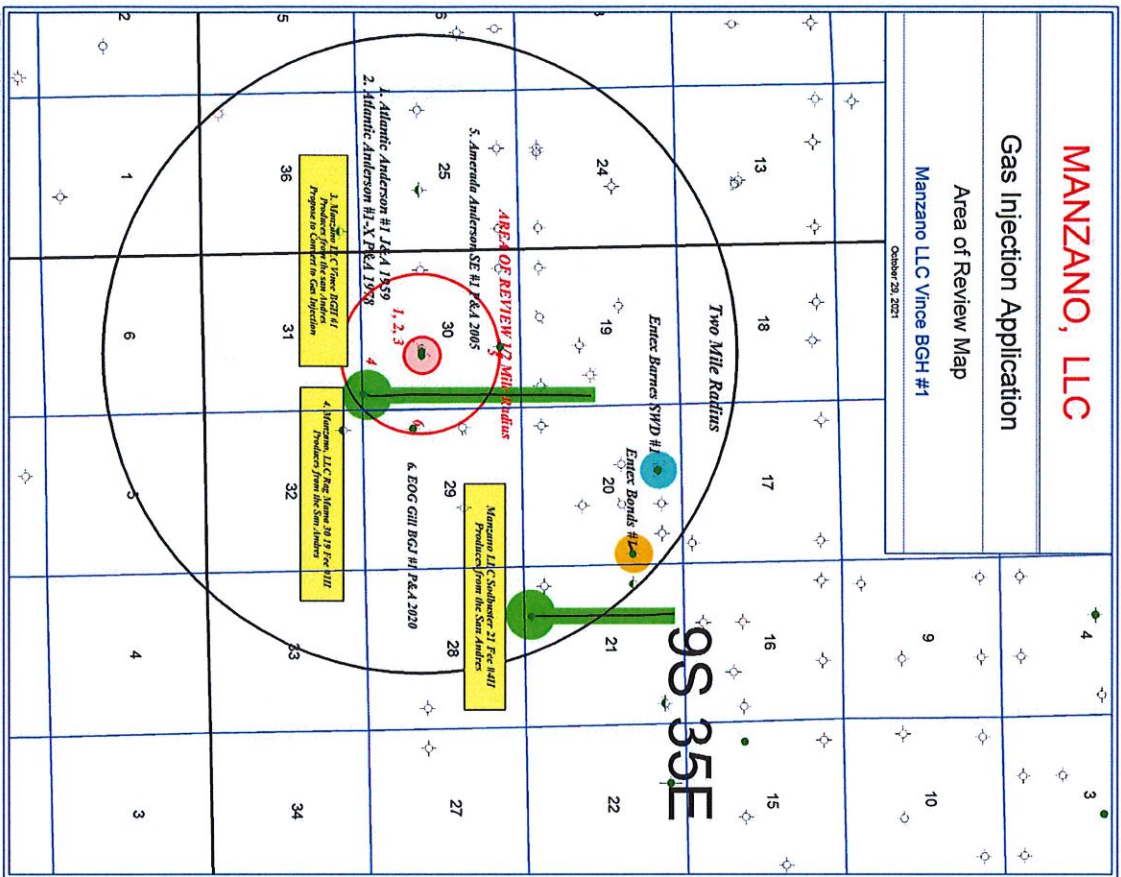
CIBP@12500'+35'cm)

CIBP@12620'+20'cm)

TD 12660

SKETCH NOT TO SCALE

DATE: 09/20/2021...



Manzano is applying to inject gas produced from the Manzano Sodbuster 21 Fee #4H and Manzano Rag Mama 30 19 Fee #1H wells into the Vince BGH #1 well. All three wells are currently perforated in the same P-1 dolomite reservoir. The two source wells currently produce a total of 59 BOPD, 129 MCFGPD and 1068 BWPD. Produced water is disposed in the Entex Barnes SWD #1 well. Gas is currently flared due to a lack of a pipeline. The proposed injection well, currently produces 2 BOPD and 31 BWPD and is deemed uneconomic. The purpose of this application is to comply with the new flare rule, while preventing waste, and recovering more oil from the reservoir by increasing the reservoir pressure.

TABLE OF WELL DATA

WELL ID#	1	2	3	4	5	6	
API NUMBER	30-025-02666	30-025-02667	30-025-37104	30-025-44067	30-025-20488	30-025-37103	
OPERATOR	ATLANTIC REFINING CO	ATLANTIC REFINING CO	MANZANO, LLC	MANZANO, LLC	AMERADA PETROLEUM	EOG RESOURCES	
LEASE NAME	ANDERSON	ANDERSON	VINCE BGH	RAG MAMMA 30-19 FEE	ANDERSON SE	GILL BG1	
WELL#	1	1-X	1	1H	1	1	
WELL TYPE	DRY HOLE	OIL	OIL	OIL	OIL WELL	OIL WELL	
STATUS	P&A	P&A	ACTIVE	ACTIVE	P&A	P&A	
FOOTAGES	1980 FSL, 1980 FEL	1980 FSL, 1880 FEL	1980 FSL, 1750 FEL	25 FSL, 528 FEL	660 FNL, 1980 FEL	1650 FSL, 660 FWL	
SURFC UNIT	J	J	J	P	C	L	
SECTION	30	30	30	30	30	29	
TOWNSHIP	9S	9S	9S	9S	9S	9S	
RANGE	35E	35E	35E	35E	35E	35E	
SPUD DATE	2/1/1959	3/1/1959	4/25/2005	11/30/2017	1/15/1963	8/1/2005	
TRUE VERTICAL DEPTH	4752	10025	12,655	4847	12,690	12,670	
MEASURED DEPTH	4752	10025	12,655	12,160	12,690	12,670	
1st STRING HOLE SIZE	17 1/2"	17 1/2"	17 1/2"	12 1/4"	17 1/2"	17 1/2"	
CASING SIZE	13 3/8"	13 3/8"	13 3/8"	8 5/8"	13 3/8"	13 3/8"	
SET AT	436	408	426	2268	400	420	
SX CMT	375	375	240	950	500	440	
CMT TO	SURFACE	SURFACE	SURFACE	SURFACE	SURFACE	SURFACE	
HOW MEASURED	CIRCULATED	CIRCULATED	CIRCULATED	CIRCULATED	CIRCULATED	CIRCULATED	
2ND STRING HOLE SIZE	12 1/4"	12 1/4"	12 1/4"	7 7/8"	11"	12 1/4"	
CASING SIZE	9 5/8"	9 5/8"	9 5/8"	5 5/8"	8 5/8"	9 5/8"	
SET AT	4350	4333	4145	12160	4315	4170	
SX CMT	1600	1500	1103	2100	1400	1575	
CMT TO	1475	1350	SURFACE	SURFACE	2417	SURFACE	
HOW MEASURED	TEMP. SURVEY	TEMP. SURVEY	CIRCULATED	CIRCULATED	TEMP. SURVEY	CIRCULATED	
3RD STRING HOLE SIZE	NONE	7 7/8"	8 3/4"	NONE	7 7/8"	8 3/4"	
CASING SIZE	NONE	5 1/2"	5 1/2"	NONE	7" 0 TO 9952	5 1/2"	
SET AT	NONE	5050	12650	NONE	5 1/2' 9952 TO 12688	12660	
SX CMT	NONE	325	1420	NONE	800	3400	
CMT TO	NONE	NONE	3645	NONE	7833	3670	
HOW MEASURED	NONE	NONE	CALCULATED	NONE	TEMP. SURVEY	CALCULATED	
CURRENT COMPLETION, MID	NONE	NONE	4840 TO 4850	5250 TO 12123	NONE	NONE	
CURRENT COMPLETION, TVD	JUNKED & ABANDONED	NONE	4840 TO 4850	4847 TO 4804	NONE	NONE	
PRIOR COMPLETION DEPTHS	NONE	4846 to 4866 (San Andres)	12534 TO 12592	NONE	4771 to 4901	11603 TO 11877	
PRIOR COMPLETION DEPTHS	NONE		11607 TO 11664	9737 TO 9755	12634 TO 12655		
PRIOR COMPLETION DEPTHS							
P&A INFORMATION	SET RETAINER AT 4151 SQUEEZED 200 SXS INTO PARTED CASING AT 4245 5 SXS ON RETAINER CUT OFF WELHEAD WELD PLATE ON TOP	250 sxs CMT 10025 to 9347 75 sxs cmt 5200 to 5050 30 sxs cmt plug 4620 to 4880 shot off 9 5/8" csg at 630 feet 35s sxs CMT 646 to 608 5 sxs CMT, TOC at 485 50 sxs cmt TOC at 385 50 sxs CMT TOC at 340 CUT OFF WELHEAD WELD PLATE ON TOP 12/05/1973 1st time 8/7/1978	WELLBORE DIAGRAM ATTACHED	Retainer set at 12,584 Perf at 4300 and 4985, Sgpd 120 sxs 4300-4985 50 SXS CMT 4200 TO 4090 60 SXS CMT 2260 TO 2058 60 SXS CMT 525 TO 378 45 SXS CMT 60 TO SURF	CBP set at 12615 30 SXS CMT 12377 TO 12615 55 SXS CMT 11934 TO 11487 25 SXS CMT 10056 TO 9853 30 SXS CMT 7786 TO 7542 25 SXS CMT 5521 TO 5268 40 SXS CMT 4282 TO 3877 25 SXS CMT 2887 TO 2634 25 SXS CMT 523 TO 270 40 SXS CMT 270 TO SURF CUT OFF WELHEAD 4/16/2020		
P&A DATE	3/5/1959		ACTIVE WELL	ACTIVE WELL	6/16/2005	4/16/2020	

General	Company:	EOG RESOURCES	Prospect:	JENKINS
	Well Name:	GILL BGJ #1	TD (MD/TVD):	12670
	County:	LEA	Elevation:	4175 (KB)
	State:	NEW MEXICO	Latitude & longitude:	
	API Number:	30-025-37103	Section-Township-Range	29-T9S-R35E
			Surface Location:	1650 Fsl, 660 Fel
		Bottom Hole Location:	Same	

DIRECTIONS:

FORMATION	PERFS		Casing Profile	Hole Size	Casing Specifications	P&A INFORMATION
						P&A 4/16/2020. Cut off Wellhead 40 sxs 270 to surface 25 sxs 523 to 270
				17 1/2"	13 3/8" set at 420	25 sxs 2887 to 2634
						40 sxs 4282 to 3877
				12 1/4"	9 5/8" set at 4170. CMT with 1575 sxs to surf.	25 sxs 5521 to 5268
						30 sxs 7786 to 7542
						25 sxs 10056 to 9853
Atoka	11603	11877				55 sxs 11934 to 11486
				8 3/4"	5 1/2" to 12660. Cmt with 3400 sxs TOC 3670 calculated.	30 sxs 12377 to 12615 CIBP at 12615
Devonian (OH)	12660	12670			TD 12670	

Comments

This well produced 160,828 BO, 1,968 MCFG and 8,083,377 BW from the Devonian.

It produced 1611 BO, 136,796 MCFG and 180 BW from Atoka perforations.

It was plugged and abandoned in 2020.

General	Company:	AMERADA PETROLEUM	Prospect:	JENKINS
	Well Name:	ANDERSON SE #1	TD (MD/TVD):	12690
	County:	LEA	Elevation:	4187 (KB)
	State:	NEW MEXICO	Latitude & longitude:	
	API Number:	30-025-20488	Section-Township-Range	30-T9S-R35E
			Surface Location:	660 Fnl, 1980 Fel
		Bottom Hole Location:	Same	

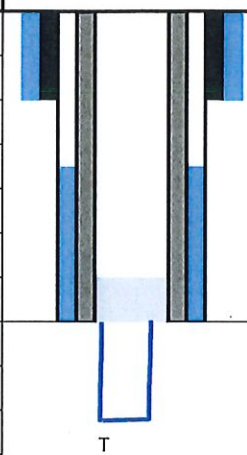
DIRECTIONS:

FORMATION	PERFS		Casing Profile	Hole Size	Casing Specifications	P&A INFORMATION
				17 1/2" 13 3/8" set at 400 11" 8 5/8" set at 4315. Cmt 1400 sxs TOC at 2417	1982 Perf 4300 and 4985 and pump 120 sxs cement squeeze behind 7". Retainer set at 8175 ft	P&A 6/16/2005. Cut off Wellhead 45 sxs 60 to surface 60 sxs 525 to 378 60 sxs 2260 to 2058 50 sxs 4200 to 4090
San Andres	4771	4901				
Cisco	9737	9755				
Devonian	12634	12655		7 7/8" Ran 7" to 9922 5 1/2" 9922 to TD Cmt with 800 sxs TOC 7833 calculated.	CIBP at 12504 Perf	

Comments	<i>This well produced 10,189 BO, 4,1728 MCFG and 583,704 BW from the Devonian.</i>
	<i>It produced 661,189BO, 1,016,582 MCFG and 451,416 BW from Cisco perforations.</i>
	<i>Last, it produced 459 BO from the San Andres.</i>
	<i>It was plugged and abandoned in 2005.</i>

General	Company: <i>Atlantic Refining</i>	Prospect: <i>Jenkins</i>
	Well Name: <i>Anderson #1</i>	TD (MD/TVD): <i>4752</i>
	County: <i>Lea</i>	Elevation: <i>4175 (DF)</i>
	State: <i>New Mexico</i>	Latitude & longitude:
	API Number: <i>30-025-02666</i>	Section-Township-Range: <i>30-T9S-R35E</i>
		Surface Location: <i>1980 FSL, 1980 FEL</i>
	Bottom Hole Location: <i>1980 FSL, 1980 FEL</i>	

DIRECTIONS:

Formation	Depth		Casing Profile	Hole Size	Casing Specifications	P&A Info.
	MD	TVD				
				17 1/2	Set 13 3/8" at 426 feet. Cement with 426 sxs	3-5-1959 Cut off wellhead weld plate on top Skid rig to Anderson 1-X
				12 1/4	Set 9 5/8" at 4350 feet. Cement with 1500 sxs TOC at 1475 by Temp.	Casing parted at 4275. Squeezed part with 200 sxs cmt.
				Surv.		
				7 7/8"	J&A 4752 ft TD	Junked and abandoned at TD of 4753 feet.

Comments

No completion attempted after intermediate casing parted and the well was junked and abandoned.

General	Company:	Atlantic Refining	Prospect:	Jenkins
	Well Name:	Anderson #1-X	TD (MD/TVD):	10,025
	County:	Lea	Elevation:	4175 (DF)
	State:	New Mexico	Latitude & longitude:	
	API Number:	30-025-02667	Section-Township-Range	30-T9S-R35E
			Surface Location:	1980 FSL, 1880 FEL
		Bottom Hole Location:	1980 FSL, 1880 FEL	

DIRECTIONS:

ZONE of	Depth		Casing Profile	Hole Size	Casing Specifications	P&A Info.
PERFS				17 1/2	Set 13 3/8 at 408 feet. Cement with 375 sxs Circ Cement to surface	P&A 8/7/1978 Cut off well hellhead 50 sxs TOC at 385 50 sxs TOC at 440 Cut 9 5/8 at 630 feet. 35 sxs 646 to 608.
San Andres	4846	4866		12 1/4	Set 9 5/8" at 4333 feet. Cement with 1500 sxs TOC at 1350 by Temp. Surv. Set 50 sxs at 5050 to 5200 ft Ran 5/12" casing liner 4272 to 5050 feet. Cement with 325 sxs	30s sxs 4620 to 4880
					250 sxs plug 10025 to 9347 7 7/8" TD 10,025 Did not run pipe to TD	

Well produced 11,352 BO 7454 MCFG and 22769 BW fom San Andres 4846 to 4866.
 It was originally plugged and abandoned 12/05/1973.
 It was reentered in 1973 but operator could not tie onto 9 5/8" casing stub and was replugged 8/7/1978 as shown.

General	Company: Manzano, LLC	Prospect: Jenkins
	Well Name: Rag Mama 30-19 Fee #1H	TD (MD/TVD): 12160'MD/4850'TVD
	County: Lea	Elevation: 4159' GL & 4180' KB (21'KB)
	State: New Mexico	Latitude & longitude: 103.393294/33.498036
	API Number: 30-025-44067	Section-Township-Range 30-9S-35E
		Surface Location: 25' FSL & 528' FEL-Sec 30-9s-35e
		Bottom Hole Location: 2310' FSL & 400' FEL-Sec 19-9s-35e

DIRECTIONS: From Tatum, NM go north on Hwy 206 to Crossroads, @ Crossroads turn west onto CR170/Carrol Road, Go west on CR170 for 3 miles & turn south onto lease road, Go south on dirt road for 1.0 miles thru cattleguard the follow road 0.2 miles to location

Formation	Depth		Casing Profile	Hole Size	Casing Specifications	Mud Program	
	MD	TVD					
						0'-3500': MW 8.4-10+, Vis 30-32, WL 15	
							Cement w/750sx 35:65:6 (12.9ppg/1.87cfs/10.11gps) + 200sx "C" (14.8ppg/1.33cfs/6.33gps)
Top Rustler	2240	2240			12 1/4"	12 1/4" Ulterra U616S 8 5/8" 32#/ft J-55 LTC to 2275'	
8 5/8" Casing @ 2275'							
Yates	2760	2760					2275'-KOP @ 4200': MW 10+, Vis 28-32, WL n/c
Queen	3470	3470			7 7/8"	7 7/8" Ulterra U616M	Cement 5 1/2" w/1100sx 50:50:10 C (11.00ppg/2.81cfs) + 1000sx 50:50:2 C (14.5ppg/1.22cfs)
San Andres	4040	4040					
			CURVE	7 7/8"	7 7/8" Ulterra U616M 5.5" 20.0# L80 BTC to Surface	KOP- EOL @ : MW 10+, Vis 30-32, WL n/c Curve: 4265'-5170' (905')	
KOP	4265	4265					
PI Marker	4620	4600					
Top Pay Zone	4880	4770					
End of Curve	5170	4840					
End of lateral	12160	4805	LATERAL	7 7/8"	7 7/8" Ulterra U616M 5.5" 20.0# L80 BTC to Surface	TD Lateral @ 12160'MD/4805'TVD Lateral: 5180' - 12180'MD (6990')	

Comments	



Certificate of Analysis
Number: 6030-21070001-001A

Artesia Laboratory
200 E Main St.
Artesia, NM 88210
Phone 575-746-3481

Manzano Energy
Manzano Energy
300 W 2nd St
Roswell, NM 88201

July 01, 2021

Station Name: Rag Mamma Heater
Station Number: Heater treater
Station Location: Manzano
Sample Point: Heater Ball Valve
Instrument: 6030_GC6 (Inficon GC-3000 Micro)
Last Inst. Cal.: 06/28/2021 0:00 AM
Analyzed: 07/01/2021 10:35:01 by EJР

Sampled By: Cameron Rivera
Sample Of: Gas Spot
Sample Date: 06/30/2021 09:30
Sample Conditions: 20 psig Ambient: 70 °F
Effective Date: 06/30/2021 09:30
Method: GPA-2261M
Cylinder No: 5030-00488

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.696 psia	
Hydrogen Sulfide	0.000	2.10000	2.716		GPM TOTAL C2+ 5.858
Nitrogen	4.465	4.45505	4.735		GPM TOTAL C3+ 3.496
Methane	60.630	60.49464	36.823		GPM TOTAL iC5+ 1.054
Carbon Dioxide	13.129	13.09975	21.874		
Ethane	8.833	8.81352	10.055	2.362	
Propane	5.586	5.57395	9.326	1.539	
Iso-butane	0.829	0.82725	1.824	0.271	
n-Butane	2.005	2.00043	4.412	0.632	
Iso-pentane	0.693	0.69106	1.892	0.253	
n-Pentane	0.667	0.66571	1.822	0.242	
Hexanes Plus	1.282	1.27864	4.521	0.559	
	98.119	100.00000	100.000	5.858	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.9138	3.2176
Calculated Molecular Weight	26.36	93.19
Compressibility Factor	0.9955	

GPA 2172 Calculation:

Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU	1138	5129
Water Sat. Gas Base BTU	1118	5040
Ideal, Gross HV - Dry at 14.696 psia	1132.7	5129.2
Ideal, Gross HV - Wet	1112.7	5039.7

Comments: H2S Field Content 2.1 %

Data reviewed by: Eric Ramirez, Analyst

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.



Certificate of Analysis

Number: 6030-21070001-003A

Artesia Laboratory
200 E Main St.
Artesia, NM 88210
Phone 575-746-3481

Manzano Energy
Manzano Energy
300 W 2nd St
Roswell, NM 88201

July 01, 2021

Station Name: Sodbuster Heater	Sampled By: Cameron Rivera
Station Number: Heater Treater	Sample Of: Gas Spot
Station Location: Manzano	Sample Date: 06/30/2021 09:15
Sample Point: Heater Ball Valve	Sample Conditions: 20 psig Ambient: 70 °F
Instrument: 6030_GC6 (Inficon GC-3000 Micro)	Effective Date: 06/30/2021 09:15
Last Inst. Cal.: 06/28/2021 0:00 AM	Method: GPA-2261M
Analyzed: 07/01/2021 11:34:42 by EJР	Cylinder No: 1111-002209

Analytical Data

Components	Un-normalized Mol %	Mol. %	Wt. %	GPM at 14.696 psia	
Hydrogen Sulfide	0.000	2.40000	2.991		GPM TOTAL C2+ 5.431
Nitrogen	7.990	8.17264	8.371		GPM TOTAL C3+ 3.311
Methane	54.324	55.56411	32.591		GPM TOTAL IC5+ 1.185
Carbon Dioxide	15.374	15.72463	25.302		
Ethane	7.736	7.91305	8.700	2.120	
Propane	4.769	4.87800	7.865	1.346	
Iso-butane	0.670	0.68499	1.456	0.225	
n-Butane	1.716	1.75559	3.731	0.555	
Iso-pentane	0.559	0.57135	1.507	0.209	
n-Pentane	0.600	0.61360	1.619	0.223	
Hexanes Plus	1.684	1.72204	5.867	0.753	
	95.422	100.00000	100.000	5.431	

Calculated Physical Properties	Total	C6+
Relative Density Real Gas	0.9482	3.2176
Calculated Molecular Weight	27.35	93.19
Compressibility Factor	0.9956	

GPA 2172 Calculation:
Calculated Gross BTU per ft³ @ 14.696 psia & 60°F

Real Gas Dry BTU	1059	5129
Water Sat. Gas Base BTU	1041	5040
Ideal, Gross HV - Dry at 14.696 psia	1054.6	5129.2
Ideal, Gross HV - Wet	1036.0	5039.7

Comments: H2S Field Content 2.4 %

Data reviewed by: Eric Ramirez, Analyst

Quality Assurance: The above analyses are performed in accordance with ASTM, UOP, GPA guidelines for quality assurance, unless otherwise stated.

SOURCE WELL

Manzango, LLC
Vince BGH #1
Sec. 30-19S-R3SE
1980 FSL, 1750 FEL

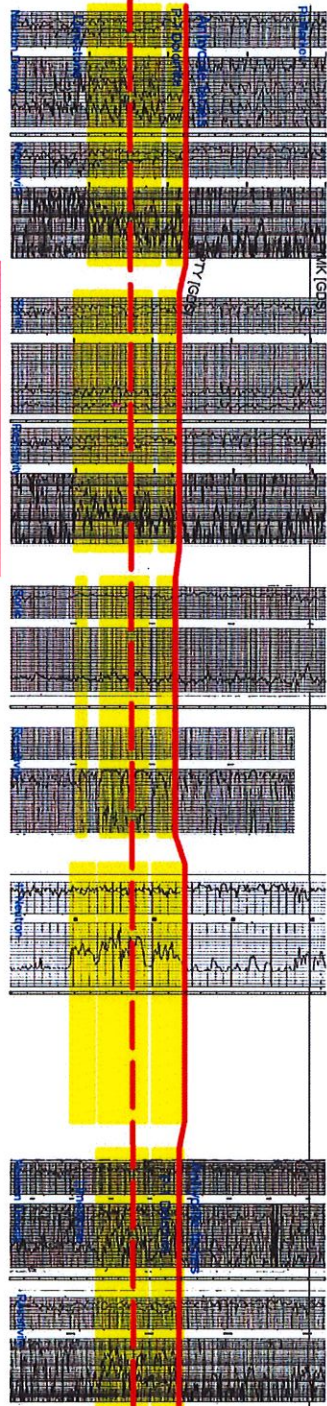
Manzango, LLC
Vince BGH #1
Sec. 30-19S-R3SE
1980 FSL, 1750 FEL

EXPLORATION COMPANY

AMERICAN

MANZANGO, LLC

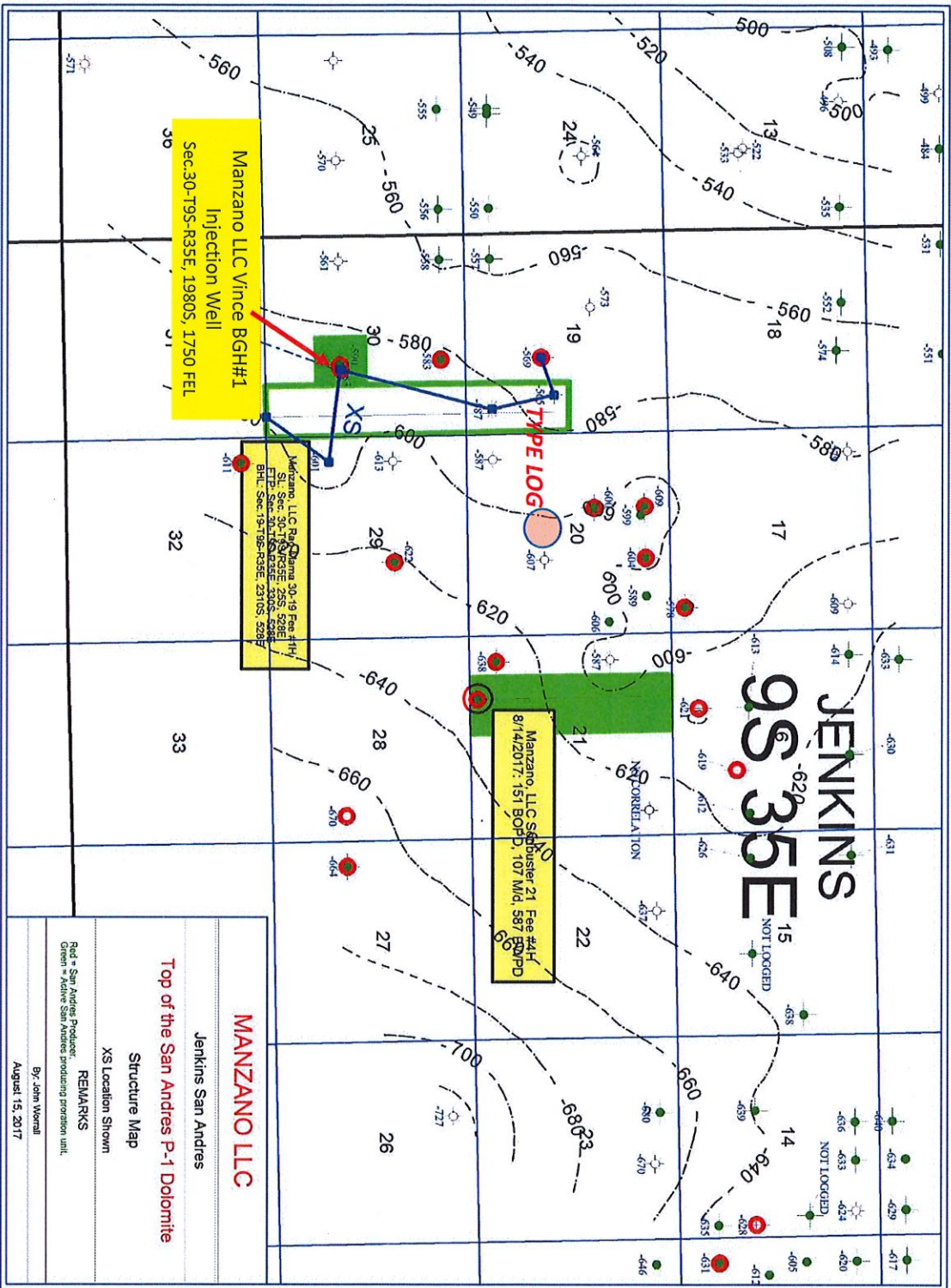
North



The Red interval 30-19 P-1 is the P-1 dolomite, which is the source of gas for the San Andres P-1 Marker. From 25 wells in the area, the P-1 dolomite has an average of 15% porosity.

INJECTION WELL

VIII. This is a south to north stratigraphic cross section depicting the logs of the vertical wells adjacent to the Rag Mama 30 19#1H lateral. The location of these wells is shown on the P-1 dolomite isopach and structure map. The gas will be injected into the San Andres P-1 dolomite in existing perforations at 4840 to 4850 feet in the Manzano LLC Vince BGH#1. The well will be converted to injection; it currently produces 2 BOPD and 31 BWPD. The San Andres formation is present from 4000 to 5460 feet in this well. Shown on this cross section is the San Andres Pi Marker, a regional volcanic ash bed which is the datum for the cross section. The P-1 dolomite (yellow) is a fine crystalline dolomite reservoir, with typically 4 to 12% porosity, and 20 to 100 ohm-m of resistivity. The interval can exhibit up to 100 feet of porosity > 6% (see isopach map). Oil and gas is stratigraphically trapped where this reservoir pinches out northward into anhydrite. The zone is also overlain by anhydrite, and underlain by tight limestone.

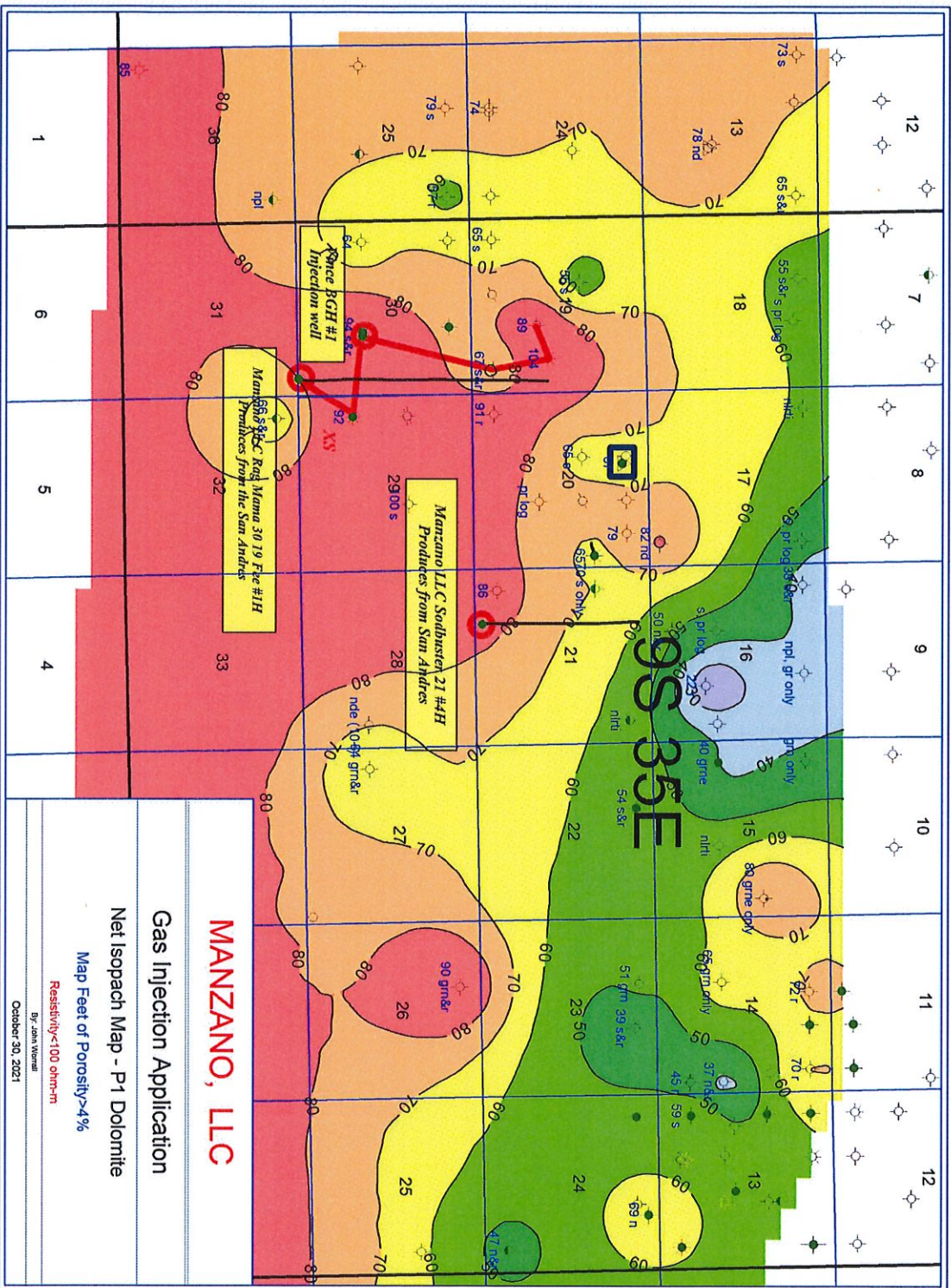


VIII. GEOLOGY

This is a structure map on top of the P-1 dolomite showing the reservoir is relatively flat with only 40 feet of east dip per mile (a half degree slope).

Wells in red have historically produced oil or gas from this reservoir, or exhibit shows. Currently, Manzano produces oil from the two horizontal wells and the Vince #1. The other red wells have been plugged and abandoned.

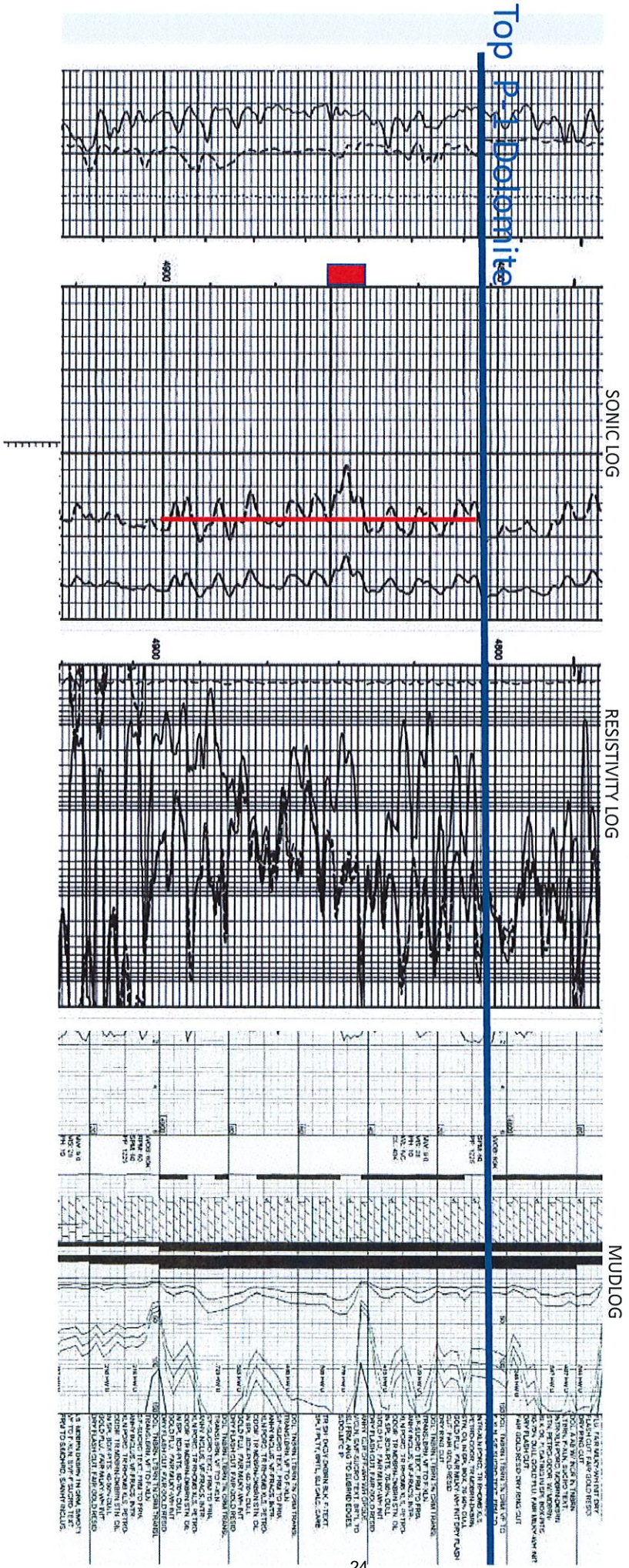
The location of the cross section is shown on this map.

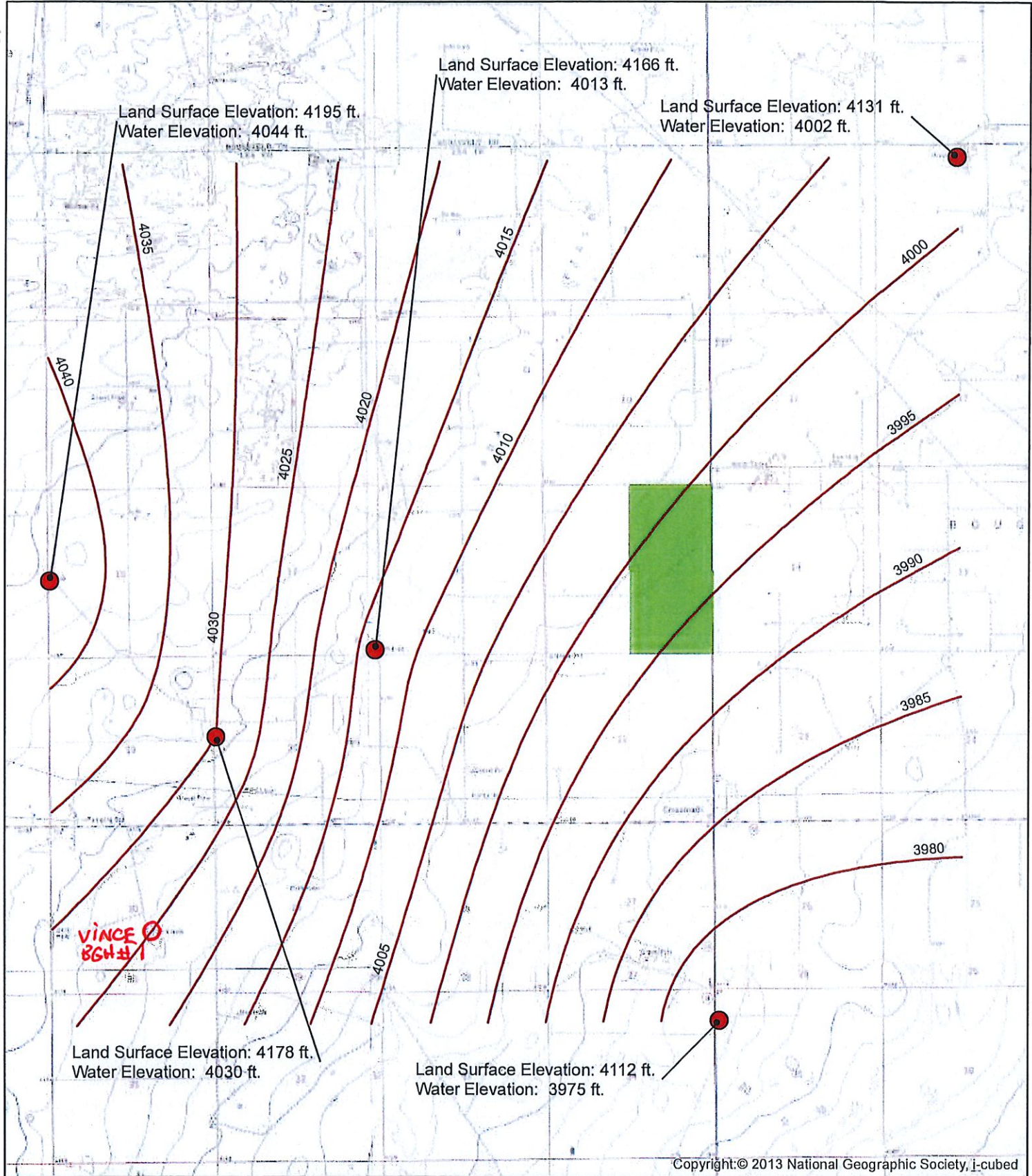


This is a net isopach of the P-1 dolomite showing feet of porosity >4% and/or resistivity log showing < 100 ohm-m. It shows the P-1 dolomite has up to 100 feet of reservoir. Northward the zone is present but porosity grades into tight anhydrite and anhydrite filled dolomite, which sets up the stratigraphic trap.

The cross section location is shown along with the injection well and the two source wells.

X. Log Data of the Manzano Vince BGH #1 located in Section 30-T9S-R35E, 1980 Fsl, 1750 Fel. Injection will be through existing perforations at 4840 to 50 feet. Logs show the pay is a dolomite with good porosity and resistivity from 4810 to 4900 ft.





Copyright: © 2013 National Geographic Society, i-cubed

Legend

- Manzano Fee Land
- Water Levels
- NMOSE Well-Schedule Wells

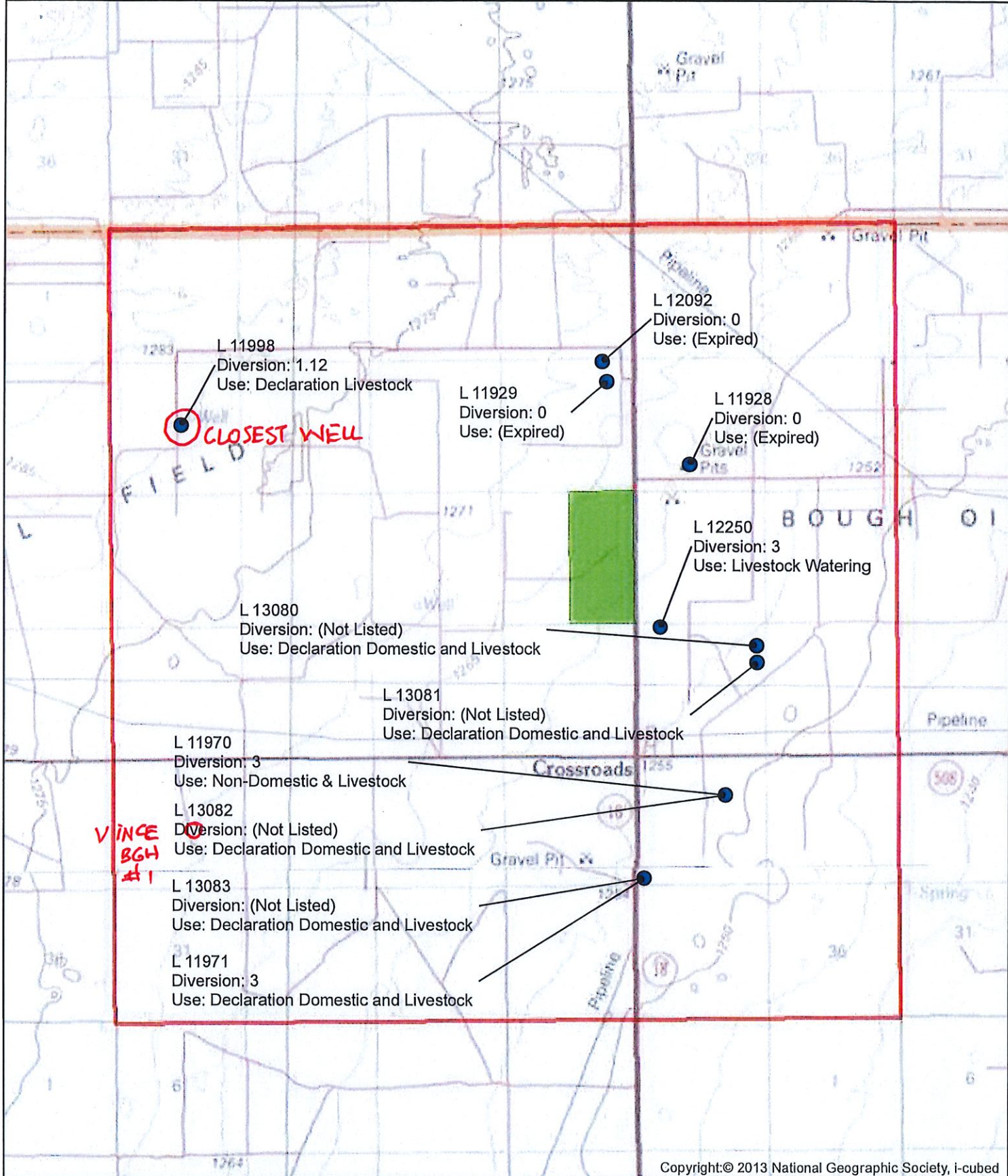


0 2,000 4,000 8,000 Feet

1 inch = 4,000 feet

FIGURE 4
Water Elevation from 1996
NMOSE Well-Schedule Records
04/22/2016





Copyright:© 2013 National Geographic Society, i-cubed

Legend

- Manzano Fee Land
- NMOSE DB Wells
- Township 9S Range 35 E N.M.P.M.



0 2,500 5,000 10,000 Feet

1 inch = 5,000 feet
26

FIGURE 3
NMOSE DB Wells
04/22/2016



LEGAL NOTICE October 1, 2021

Manzano, LLC of P.O. Box 1737 Roswell, NM has filed an application with the New Mexico Oil Conservation Division to inject gas into the Manzano, LLC Vince BGH #1 well for the purpose of reservoir pressure maintenance. The well is located at Section 30-T9S-R35E, 1980 from south line, and 1750 from east line in Lea County, New Mexico. Gas will be injected in the San Andres dolomite at 4840 to 4850 feet at maximum rate of 1000 MCFGPD and a maximum pressure of 950 psi. Interested parties may file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days. Should you have any questions please contact John Worrall at Manzano, LLC at 575-623-1996 ext. 302.

#36902

Advertising Invoice

Hobbs Daily News-Sun

201 N Thorp
P. O. Box 850
Hobbs, NM 88241
Phone: 575-393-2123
Fax: 575-397-0610
URL: www.hobbsnews.com

1

KEN BARBIE
MANZANO OIL CORPORATION
P.O. BOX 2107
ROSWELL, NM 88202-2107

Cust#: 01101555
Ad #: 00259095
Phone: (575)623-1996
Date: 09/29/2021
Salesperson: HA Ad Taker: Kayla

Sort Line: 36902 BGH#1

Class: 671

Description	Start	Stop	Ins.	Cost/Day	Amount
AFF2 Affidavits (Legals)					6.25
BOLD bold					1.00
07 07 Daily News-Sun	10/1/2021	10/1/2021	1	32.67	32.67

Ad Text:

LEGAL NOTICE
October 1, 2021

Manzano, LLC of P.O. Box 1737 Roswell, NM has filed an application with the New Mexico Oil Conservation Division to inject gas into the Manzano, LLC Vince BGH #1 well for the purpose of reservoir pressure maintenance. The well is located at Section 30-T9S-R35E, 1980 from south line, and 1750 from east line in Lea County, New Mexico. Gas will be injected in the San Andres dolomite at 4840 to 4850 feet at maximum rate of 1000 MCFGPD and a maximum pressure of 950 psi. Interested parties may file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis

Payment Reference:

Total:	39.92
Tax:	2.72
Net:	42.64
Prepaid:	0.00
Total Due	42.64

LEGAL NOTICE

Manzano, LLC of P.O. Box 1737 Roswell, NM has filed an application with the New Mexico Oil Conservation Division to inject gas into the Manzano, LLC Vince BGH #1 well for the purpose of reservoir pressure maintenance. The well is located at Section 30-T9S-R35E, 1980 from south line, and 1750 from east line in Lea County, New Mexico. Gas will be injected in the San Andres dolomite at 4840 to 4850 feet at maximum rate of 1000 MCFGPD and a maximum pressure of 950 psi. Interested parties may file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days. Should you have any questions please contact John Worrall at Manzano, LLC at 575-623-1996 ext. 302.



October 25, 2021

New Mexico Oil Conservation Division
Attention: Dylan Rose-Coss
Geological and Engineering Bureau
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Ladies and Gentlemen,

RE: Application to Inject Gas into the
Manzano, LLC Vince BGH State #1

The following statement is sent regarding the need for Seismicity Analysis for the proposed injection of gas into the caption well.

The injection gas will be placed back into the San Andres formation from which it comes. The maximum proposed injection pressure is 950 PSI, which will be in perforations from 4840 to 4850 feet in the Vince BGH State #1. This maximum pressure is only a .196 PSI/ft pressure gradient, which is well below the normal pressure gradient for the formation of .35 psi/ft, and way below the expected .9 to 1.0 psi/ft frac gradient for the formation. Second, the zone of injection is 8000 feet above the Precambrian Basement in this area. For both of these reasons, there is no need for an analysis of the potential for induced seismic activity in this area. Should you have any questions, regarding this issue or statement, please advise.

Sincerely,

John G. Worrall
Geologist

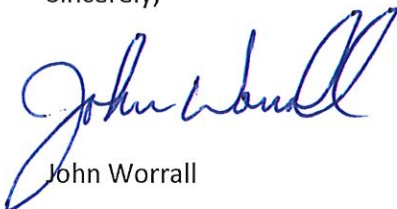
Form C-108 Item XII.

Manzano, LLC Vince BGH #1

AFFIDAVIT

Manzano, LLC has examined the geological and engineering data associated with the proposed injection well and find no evidence of open faults or other hydrologic connections between the injection zone and good sources of drinking water.

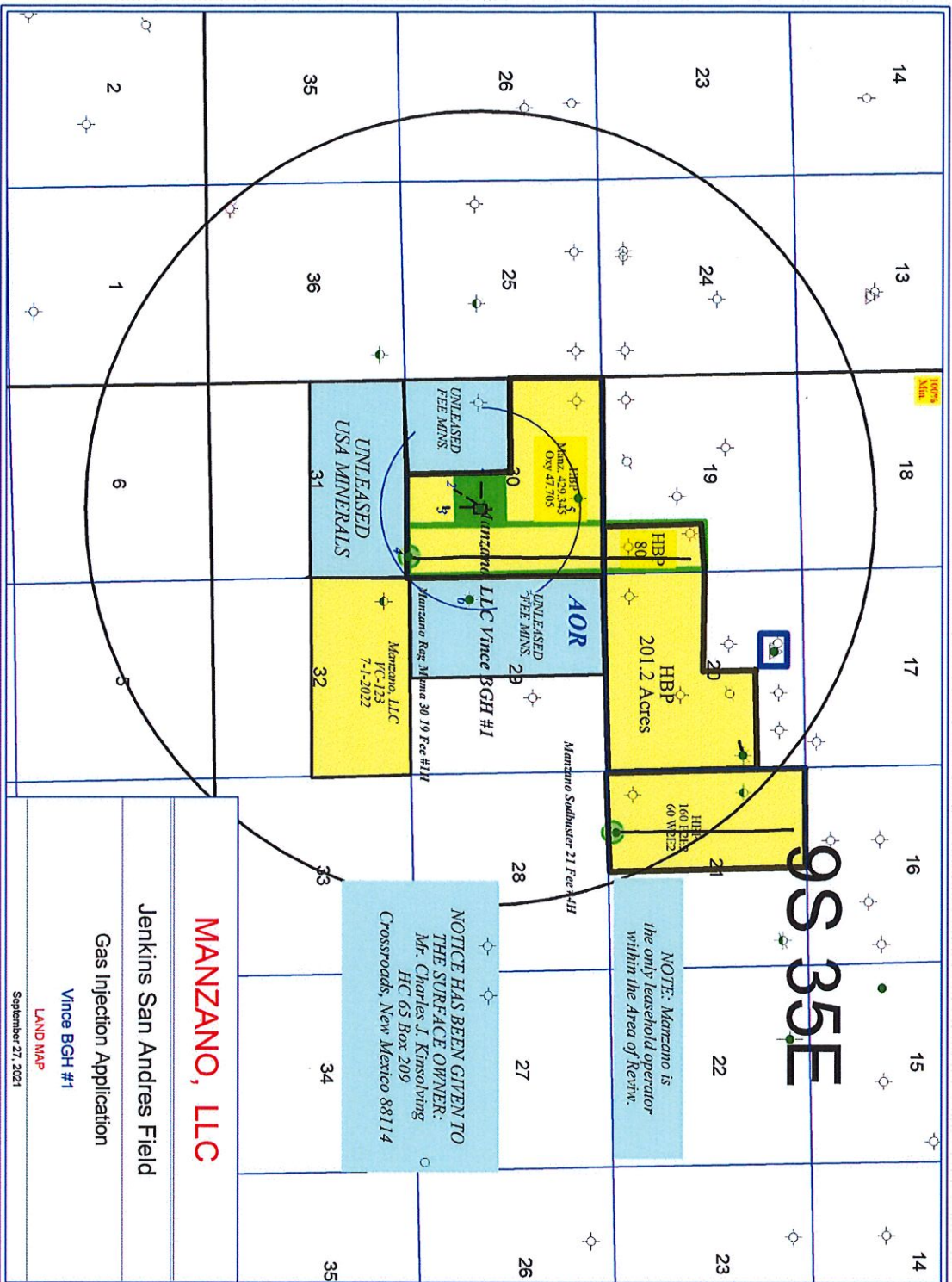
Sincerely,



John Worrall

Partner

Manzano, LLC



XIV. This is a land map showing lease ownership of Manzano, LLC in yellow. Manzano, LLC is the only operator within the Area of Review. The surface owner of the Vince location, Charles Kinsolving, has been given notice, as has the Bureau of Land Management who owns unleased minerals in the N/2 of Section 31. See attached.



October 25, 2021

Bureau of Land Management
620 E. Greene Street
Carlsbad, NM 88220

To whom it may concern:

Attached for your notice is a copy of the permit filed with the New Mexico Oil Conservation Division, located at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. The Bureau of Land Management manages unleased minerals within the area of interest. In this application, Manzano, LLC is proposing to reinject gas at 4840 to 4850 feet in the San Andres formation in the Vince BGH #1, located at 1980 FSL, 1750 FEL, in Section 30, of T9S-R35E. Should you have any questions, please contact me or Mike Hanagan at 575-623-1996. Thank you.

Sincerely,

John Worrall
On behalf of Manzano, LLC

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY																	
<ul style="list-style-type: none"> Complete Items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> Addressee <input type="checkbox"/> Agent</p>																	
<p>1. Article Addressed to: BLM 620 E. Greene St. Carlsbad, NM 88220</p> <p>9590 9402 5491 9249 9341 08</p>	<p>B. Received by (Printed Name) J. Carrasco</p>	<p>C. Date of Delivery 10/26/21</p>																
<p>2. Article Number (Transfer from service label) 7020 1290 0001 1523 8184</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type</p> <table border="0"> <tr> <td><input type="checkbox"/> Adult Signature</td> <td><input type="checkbox"/> Priority Mail Express®</td> </tr> <tr> <td><input type="checkbox"/> Adult Signature Restricted Delivery</td> <td><input type="checkbox"/> Registered Mail™</td> </tr> <tr> <td><input checked="" type="checkbox"/> Certified Mail®</td> <td><input type="checkbox"/> Registered Mail Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail Restricted Delivery</td> <td><input type="checkbox"/> Return Receipt for Merchandise</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery</td> <td><input type="checkbox"/> Signature Confirmation™</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery Restricted Delivery</td> <td><input type="checkbox"/> Signature Confirmation™</td> </tr> <tr> <td><input type="checkbox"/> Insured Mail</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Insured Mail Restricted Delivery</td> <td></td> </tr> </table>		<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®	<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™	<input checked="" type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Insured Mail		<input type="checkbox"/> Insured Mail Restricted Delivery	
<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®																	
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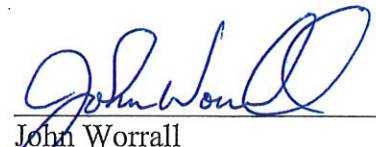
September 28, 2021

Mr. Charles J. Kinsolving
HC 65 Box 209
Crossroads, NM 88114

Mr. Kinsolving,

Attached for your notice is a copy of the permit filed with the New Mexico Oil Conservation Division, located at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. In this application, Manzano, LLC is proposing to reinject gas at 4840 to 4850 feet in the San Andres formation in the Vince BGH #1, located at 1980 FSL, 1750 FEL, in Section 30 of T9S-R35E, on surface lands owned by you. Should you have any questions, please contact me or Mike Hanagan at 575-623-1996. Thank you.

Sincerely,



John Worrall
On behalf of Manzano, LLC

7019 3640 0000 8684 9230

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<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$
Postage	\$
Total Postage and Fees	\$

Sent To Mr. Charles Kinsolving
 Street and Apt. No., or PO Box No. HC 65 Box 209
 City, State, ZIP+4® Crossroads, NM 88114

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

ROSWELL, NM
SEP 28 2021
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