

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Sundry Print Report

11/02/20

Well Name: SYNERGY 22-7-31	Well Location: T22N / R7W / SEC 31 / SESE / 36.090299 / -107.611524	County or Parish/State: SANDOVAL / NM
Well Number: 144	Type of Well: OTHER	Allottee or Tribe Name:
Lease Number: NMNM99740	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004321053	Well Status: Gas Well Shut In	Operator: SYNERGY OPERATING LLC

Notice of Intent

Sundry ID: 2724870**Type of Submission:** Notice of Intent**Type of Action:** Plug and Abandonment**Date Sundry Submitted:** 04/07/2023**Time Sundry Submitted:** 11:30**Date proposed operation will begin:**
06/12/2023

Procedure Description: Synergy Operating LLC proposes to plug and abandon the subject well per the attached 'Proposed Wellbore Plugging Plan'. Synergy Operating LLC further proposes to remediate the well location as per the attached 'Proposed Reclamation Plan'. A Synergy Operating LLC representative will meet with the BLM representative, Roger Herrera, on location prior to beginning any work.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

2023.04.06___Sundry_P_A___Synergy___144_Well_20230407112906.pdf

Well Name: SYNERGY 22-7-31	Well Location: T22N / R7W / SEC 31 / SESE / 36.090299 / -107.611524	County or Parish/State: SANDOVAL / NM
Well Number: 144	Type of Well: OTHER	Allottee or Tribe Name:
Lease Number: NMNM99740	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004321053	Well Status: Gas Well Shut In	Operator: SYNERGY OPERATING LLC

Conditions of Approval

Specialist Review

General_Requirement_PxA_20230410065226.pdf

2724870_NOIA_144_3004321053_KR_04102023_20230410065152.pdf

Operator

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: GLEN PAPP

Signed on: APR 07, 2023 11:29 AM

Name: SYNERGY OPERATING LLC

Title: Operations Manager/Partner

Street Address: PO Box 5513

City: Farmington

State: NM

Phone: (505) 599-4908

Email address: gpapp@synergyoperating.com

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647742

BLM POC Email Address: krennick@blm.gov

Disposition: Approved

Disposition Date: 04/10/2023

Signature: Kenneth Rennick

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402

AFMSS 2 Sundry ID 2724870

Attachment to notice of Intention to Abandon

Well: Synergy 22-7-31 144

BLM Geology Report not required. Complete wellbore fill up is proposed.

CONDITIONS OF APPROVAL

1. Plugging operations must be completed by October 1, 2023.
2. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
3. Farmington Office is to be notified at least 24 hours before the plugging operations commence at (505) 564-7750.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.

K. Rennick 04/10/2023

**GENERAL REQUIREMENTS FOR
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES
FARMINGTON FIELD OFFICE**

- 1.0 The approved plugging plans may contain variances from the following minimum general requirements.
- 1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Authorized Officer, Farmington Field Office.
 - 1.2 Requirements may be added to address specific well conditions.
- 2.0 Materials used must be accurately measured. (densometer/scales)
- 3.0 A tank or lined pit must be used for containment of any fluids from the wellbore during plugging operations and all pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.
- 3.1 Pits are not to be used for disposal of any hydrocarbons. If hydrocarbons are present in the pit, the fluids must be removed prior to filling in.
- 4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.
- 4.1 The cement shall be as specified in the approved plugging plan.
 - 4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.
 - 4.3 Surface plugs may be no less than 50' in length.
 - 4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.
 - 4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, as calculated from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.
 - 4.6 A cement bond log or other accepted cement evaluation tool is required to be run if one had not been previously ran or cement did not circulate to surface during the original casing cementing job or subsequent cementing jobs.

5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by tagging with the work string.

5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.

5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer, if casing integrity has been established.

5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.

5.4 If perforations are required below the surface casing shoe, a 30 minute minimum wait time will be required to determine if gas and/or water flows are present. If flow is present, the well will be shut-in for a minimum of one hour and the pressure recorded. Short or long term venting may be necessary to evacuate trapped gas. If only a water flow occurs with no associated gas, shut well in and record the pressures. Contact the Engineer as it may be necessary to change the cement weight and additives.

6.0 Before setting any cement plugs the hole needs to be rolled. All wells are to be controlled by means of a fluid that is to be of a weight and consistency necessary to stabilize the wellbore. This fluid shall be left in place as filler between all plugs.

6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.

6.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.

7.0 A blowout preventer and related equipment (BOPE) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain H₂S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), through the Automated Fluid Minerals Support System (AFMSS) with the Field Manager, Bureau of Land Management, 6251 College Blvd., Suite A, Farmington, NM 87402. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show date well was plugged.

9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10.0 If this well is located in a Specially Designated Area (SDA), compliance with the appropriate seasonal closure requirements will be necessary.

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

(March 2023 Revision)

Form 3160-5
(March 2012)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well.
Use Form 3160-3 (APD) for such proposalsFORM APPROVED
Budget Bureau No. 1004-0137
Expires March 31, 2014

5. Lease Serial No.

NMNM-99740

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Synergy 22-7-31 # 144

9. API Well No.

30-043-21053

10. Field and Pool, or Exploratory

Basin Fruitland Coal

11. County or Parish, State

Sandoval County, New Mexico

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Synergy Operating, LLC (OGRID # 163458)

3a. Address

PO Box 5513
Farmington, NM 87499

3b. Phone No. (include area code)

(505) 325-5549

4. Location of Well (Footage, Sec, T. R., M, or Survey Description)

Unit P, 720' FSL, 895' FEL, Sec 31, T22N - R07W

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

TYPE OF SUBMISSION

TYPE OF ACTION

- ☒
- Notice of Intent
-
- ☐
- Subsequent Report
-
- ☐
- Final Abandonment Notice

- ☐
- Acidize
-
- ☐
- Alter Casing
-
- ☐
- Casing Repair
-
- ☐
- Change Plans
-
- ☐
- Convert to Injection
-
- ☐
- Deepen
-
- ☐
- Fracture Treat
-
- ☐
- New Construction
-
- ☒
- Plug & Abandon
-
- ☐
- Plug Back
-
- ☐
- Production (Start/Resume)
-
- ☐
- Reclamation

- ☐
- Recomplete
-
- ☐
- Temporary Abandon
-
- ☐
- Water Disposal
-
- ☐
- Water Shut-Off
-
- ☐
- Well Integrity
-
- ☐
- Other: _____

13. Describe Proposed or Completed Operations: (Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

SYNERGY REQUESTS TO PLUG AND ABANDON THE SUBJECT WELL PER THE PROPOSED DOWNHOLE AND SURFACE REMEDIATION PROCEDURES IN COMPLIANCE WITH ALL BLM AND NMOCDC REGULATIONS.

THIS IS THE LAST EXISTING WELL, FORMERLY CAPABLE OF PRODUCING IN PAYING QUANTITIES ON LEASE NMNM-99740. THIS LEASE HAS BEEN TERMINATED AND THIS WELLBORE IS BEING PLUGGED AND ABANDONED IN COMPLIANCE WITH ALL REGULATIONS. FOLLOWING APPROVAL OF FINAL ABANDONMENT, SYNERGY RESPECTFULLY REQUESTS RELEASE FROM OUR FINANCIAL ASSURANCE-BONDING.

THIS COVER PAGE IS FOR INFORMATIVE/HISTORICAL USAGE AS THE FULL DOCUMENT IS BEING ELECTRONICALLY SUBMITTED

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

THOMAS E. MULLINS tom.mullins@synergyoperating.com

Title ENGINEERING MANAGER

Signature

Date April 6, 2023

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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.

(Instructions on page 2)

**U.S. Department of the Interior
Bureau of Land Management**

Proposed Wellbore Plugging Plan

Synergy Operating, LLC

**Synergy 22-7-31 # 144
Plugging & Final Abandonment**

Prepared by:

**Thomas E. Mullins
Partner / Engineering Manager**

April 2023

Submitted Electronically

**To: U.S. Department of the Interior-BLM
Farmington District – FFO
Farmington, NM 87402**

Well Information:

Well Name & #:	Synergy 22-7-31 # 144
API #:	30-043-21053
Legal Location:	720' FSL, 895' FEL, Unit P, Section 31 – T22N-R07W, Sandoval County, NM
Latitude/Longitude:	36.09031 N / -107.61151 W
Federal Lease #:	NMNM-99740
USGS Topo Map:	Lybrook SE
Drilling Spud date:	September 29, 2007
TD / PBTD:	958' / 925'
Surface Hole Size:	12-1/4"
Surface Casing:	8-5/8" 24# J-55 @ 127' Cmt'd w/ 90-sxs Type V cmt – Circ 7 bbls to surface
Production Hole Size:	7-7/8"
Production Casing:	5-1/2" 15.5# K-55 @ 945' Cmt'd w/ 129 sxs (222 ft3) Type 5 Cement – Circulated 11 bbls to surface
Perforations:	Fruitland Coal: 728' to 742' (14') – 80 holes
Tubing in Hole:	None. CIBP @ 700' – Well in T&A condition.
Formation Tops (KB):	Kirtland @ 330', Fruitland @ 443', Pictured Cliffs @ 890'

Project Summary:

Synergy Operating, LLC ("Synergy") is the operator of the Synergy 22-7-31 # 144 well. A Fruitland Coal gas well. Synergy is submitting a Notice of Intent to Abandon (NIA) to the BLM to permanently plug and abandon the well and reclaim the surface disturbances.

On 08/04/2020, A Cast Iron Bridge Plug (CIBP) was set with electric wireline at 700' above the existing Fruitland Coal Perforations (728' to 742'). The plug and casing was pressure tested to 550 psi.

No Cement Bond Log is planned to be run, prior to abandonment, due to all casing strings being cemented and circulated to surface and the shallow depth of the subject well.

Cement Abandonment will be cemented to surface, utilizing 1" PVC Coil tubing run (rigless) and cemented inside the 5-1/2" Production Casing and remaining in the well with the cement, as has been conducted on other area shallow well abandonments.

The NIA will be submitted on the Sundry Notices and Reports on Wells, Form 3160-5.

Proposed wellbore plugging procedure:

VERIFY CASING INTEGRITY, PRIOR TO ABANDONMENT.
TEST 5-1/2" CASING TO 550#. CHART PRESSURE TEST. RELEASE
PRESSURE. RIH W/ 1" POLY PIPE INSIDE SWEDGE ON WELL, ONE DOWNHOLE
CONNECTOR, USING TWO (2) 500 FOOT ROLLS OF 1" POLY AND TAG CIBP @ 700'.
DISPLACE WATER WITH AIR AS NECESSARY TO REACH TD DUE TO BOUYANCY. SECURE
POLY FOR CEMENT. REMOVE EXCESS POLY.
NOTIFY BLM AND NMOCD OF CEMENTING OPERATION
NU CEMENTING HEAD. MIRU CEMENT PUMP TRUCK AND CIRCULATION TANK
MIX AND PUMP 15.8 BBLS CLASS G NEAT CEMENT AT 15.5 PPG (88.87 FT3 / 75.3 SXS @
1.18 YIELD). FILLING ENTIRE 5-1/2" CASING FROM 700' TO SURFACE WITH CEMENT.
CUT OFF EXISTING WELLHEAD/POLY, UTILIZE ADDITIONAL CEMENT FILLING IN SURFACE
CASING AND INSTALL ABOVE GROUND DRY-HOLE MARKER..

NO OTHER EQUIPMENT IS ON LOCATION FOR REMOVAL.
RIP LOCATION AND RECONTOUR PER BLM CONSULTATION.
RESEED SURFACE LOCATION AND SUBMIT FOR FINAL ABANDONMENT APPROVAL.

Wellbore diagrams:

Attached are simple wellbore schematics of the well before and after the above well work is completed.

SYNERGY # 144 TA

SYNERGY 22-7-31 # 144

Unit P, Section 31-T22N-R07W
720' FSL, 895' FEL
6660' GL, 6665' KB

Steve & Son Rig # 1 Spud: 09/29/2007
Completed: 04/16/2008

API # 030-043-21053

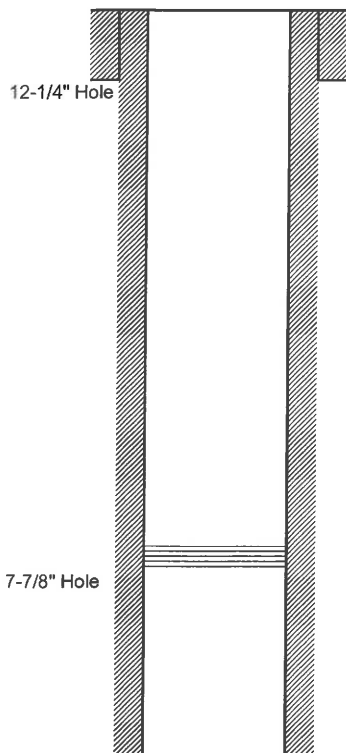
NMNM-99740

36.09031 deg North, 107.61151 deg West

8-5/8" 24# K-55 Casing @ 127' w/ 90 sxs (107 ft3)
Circulated 7 bbls cement to surface

Dev Surveys

142'	1.00
927'	1.00



5-1/2" CIBP @ 700'

Fruitland Coal Perforations
728' to 742' - 14 feet - (80 holes)

5-1/2" 15.5# K-55 LT&C Casing @ 945', w/ 129 sxs (222 ft3) Type 5 cement @ 14.8 ppg
Good Circulation, Circulate 11 bbls to surface

PBSD: 925'

TD: 958'

Formation Tops

San Jose	
Nacimiento	
Ojo Alamo	
Kirtland	330'
Fruitland	443'
Pict Cliffs	890'
TD:	958'

Formation Name: Fruitland Coal

04-09-2008 - MIRU Jet West. Run GR-CCL Log. Correlate w/ OH Log. Merge Log. RDMO.

04-11-2008 - MIRU PACE. Test Casing to 500# and chart 30 mins, 1200# - 2 mins. Chart for NMOCD. Good.

RU Blue Jet. Correlate logs. Perforate Fruitland Coal 728' to 742' (14') with 80 holes in 2 - 10' guns 4 SPF

RU PACE. Break down and Pump 60 bbls (2,520 gals) Fresh Water at 1.5 BPM @ 400#. Pump problems.

04-15-2008 - MIRU PACE. Pump 6.2 BPM at 730#, 5,880 gals Fresh Water. ISIP 560

04-16-2008 - MIRU Steve & Son Rig # 1. Make Up ESP (9') and GIH w/ 25 Jts 2-3/8" 4.7# J-55 Tubing and # 6 Cable Land EOT @ 804'. RDMO.

07-01-2008 - Run ESP pump and production test well. Csg 51#, Take Gas Sample, Gas @ 2 MCFD, 78 BWPD

05-31-2017 - Run Production Test, 42.6 Hours, 10 MCF, 65 bbls water. Take Gas Sample. Verified production

08-04-2020 - SICIP 110#. BD well. MIRU Aztec Rig 993. NU BOP. COOH LD Tbg. RU Jet West. Set CIBP @ 700'

RDMO equipment. Fill 5-1/2" Casing to surface, await witness MIT test.

09-16-2020 - RU WSI test unit. BLM Witness (Darren Halliburton) of MIT 5-1/2" Casing 550 psi & CIBP.30 min.

Specialty Logs, Misc

none

Open Hole Logs (Jet West)

GR-Density-Caliper - Surf to 956'

(02-10-2008)

Cased Hole Logs (Jet West)

GR-CCL (04-09-2008)

Thomas E. Mullins

April 6, 2023

SYNERGY # 144 P&A

SYNERGY 22-7-31 # 144

Unit P, Section 31-T22N-R07W
720' FSL, 895' FEL
6660' GL, 6665' KB

Steve & Son Rig # 1 Spud: 09/29/2007
Completed: 04/16/2008

API # 030-043-21053

NMNM-99740

36.09031 deg North, 107.61151 deg West

8-5/8" 24# K-55 Casing @ 127' w/ 90 sxs (107 ft3)
Circulated 7 bbls cement to surface

Dev Surveys

142'	1.00
927'	1.00

1" PVC Coiled Pipe will be run in the well to tag the CIBP @ 700'
This will be cemented in the hole cementing the entire wellbore with 63.4 sxs (74.83 ft3)
Class G Neat Cement to surface.

No Cement Bond Log will be run, due to the shallow depths and full cement circulation on all casing strings.

5-1/2" CIBP @ 700'

Fruitland Coal Perforations
728' to 742' - 14 feet - (80 holes)

5-1/2" 15.5# K-55 LT&C Casing @ 945', w/ 129 sxs (222 ft3) Type 5 cement @ 14.8 ppg
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GR-Density-Caliper - Surf to 956'
(02-10-2008)

Cased Hole Logs (Jet West)

GR-CCL (04-09-2008)

Thomas E. Mullins

April 6, 2023

**U.S. Department of the Interior
Bureau of Land Management**

Proposed Reclamation Plan

Synergy Operating, LLC

Synergy 22-7-31 # 144

Plugging & Final Abandonment

Prepared by:

**Thomas E. Mullins
Partner / Engineering Manager**

April 2023

Submitted Electronically

**To: U.S. Department of the Interior-BLM
Farmington District – FFO
Farmington, NM 87402**

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API #:	30-043-21053
Legal Location:	Unit P, 720' FSL, 895' FEL, Sec 31 - T22NR07W, Sandoval County, NM
Latitude/Longitude:	36.09031 N, -107.61151 W
Federal Lease #:	NMNM-99740
USGS Topo Map:	Lybrook SE

Project Summary:

Synergy Operating, LLC ("Synergy") is the operator of the Synergy 22-7-31 # 144 well, a Fruitland Coal gas well. Synergy is submitting this Notice of Intent to Abandon (NIA) to the Bureau of Land Management ("BLM") to permanently plug and abandon the well and reclaim the surface disturbances associated with this well location. The NIA will be submitted on the Sundry Notices and Reports on Wells, Form 3160-5.

There is no equipment, gathering pipelines or surface facilities on this well location. Synergy is prepared to commence surface restoration activities immediately upon completion of the downhole plugging operations of the wellbore. The original topographical contours will be reclaimed and the disturbed area reseeded with the previously discussed Synergy seed mixture including all road and lease right-of-way areas that was used on previous area plug and abandonment wells.

Project Area/Environmental Setting:

The project area is located on the southern end of the San Juan Basin, approximately 12 miles from Chaco Canyon National Historic park. The well location and area are accessed by traveling South on San Juan County Road 7900 from the 113.25 mile marker on US Highway 550. in a small valley on the south slope of Crouch Mesa. Two aerial photographs, attached to this plan, highlight the well location and corresponding access road.

The majority of the project area has light brown alluvial sand with a few siliceous pebbles. The higher half (north side) is a mixed of scrubland setting while the lower half is open scrubland. Vegetation consists of juniper, sagebrush, Indian rice grass, cheat grass, prickly pear cactus, snakeweed, narrowleaf yucca, other grasses, tansy mustard, cholla, greasewood, galleta grass, rabbitbursh, saltbrush and Mormon tea.

Standards and Intent:

The BLM's Farmington Field Office (FFO) Bare Soil Reclamation Procedure provides guidelines and operation standards for the revegetation of bare soil to be included in the reclamation plans. These guidelines are intended to complement guidance found in the Surface Operating Standards and Guidelines for Oil and Gas Exploration and Development (The Gold Book).

Synergy's intent is to follow the guidelines established in these governing documents, to restore the disturbed areas to as near as possible to their pre-disturbance state and reestablish the natural vegetative cover, achieving the stability and productivity of the land per the FFO.

Proposed Reclamation Seed Mix:

Synergy's intent is to utilize the Synergy seed mixture that was discussed during the November 19, 2019 onsite with BLM representatives. This differs slightly from the seed mixture in the originally approved APD in percentages, but has been successful for other areas reclamations. Following ripping and disking of the disturbed areas, this mixture will be broadcast and disked into the soil consistent with the discussions held during the BLM onsite by Synergy's contractor. The mixture is "weed-free", supplied from Southwest Seed in Dolores, Colorado.

Common Name	Form	PLS lbs/Acre
Slender Wheatgrass	Bunch	2.5
Western Wheatgrass	Bunch	2.5
Squirrel Tail Bottlebrush	Bunch	2.5
Alkali Sacaton	Bunch	2.5
Crested Wheatgrass	Bunch	2.5
Indian Ricegrass	Bunch	2.5

Southwest Seed, Inc.				Custom Bulk Seed Mixture Analysis												
1314 Road 29				LOT NO: 2019.0765						12/20/20						
Dolores CO 81323																
PHONE: 877-3-SEED																
Species: SYNERGY OPERATING LLC				Variety: SYNERGY MIX												
Year	Species	Variety	CL	OR	PURE	INERT	CROP	WEED	Rain	Max	Live	PLS	Test Date	Quik LBS	PLS LBS	Pure %
2010 0430	INDIAN RICEGRASS	RIMROCK	C	CO	86.04	0.08	0.00	0.08	NF	NF	85	94.05	02/07/18	78.71	75	18.91
2017 0203	CRESTED WHEATGRASS	HYCREST	C	CO	86.18	1.91	1.90	0.02	NF	NF	85	91.58	02/25/19	134.91	125	23.68
2018 0204	SOUTHERLAIN BOTTLEBRUSH	BOTTLEBRUSH	C	WA	94.50	2.58	2.82	0.07	NF	NF	80	103.65	03/11/18	64.13	10	12.96
2018 0204	WESTERN WHEATGRASS	GRUBBA	C	CO	89.12	0.81	0.50	0.12	NF	NF	80	90.13	02/25/19	172.32	120	21.07
2010 0647	ALKALI SCAVON	SALADO	C	CO	99.03	0.52	0.10	0.24	NF	NF	78	77.21	04/17/19	39.84	30	0.24
2018 0722	SLENDER WHEATGRASS	SAN LUIS	C	CO	87.08	2.92	0.60	0.02	NF	NF	88	92.11	11/06/19	48.82	45	0.74
Bene 82.53%		Live: 1.63%	Imp: 0.89%	Used: 0.05%	Total: 98.00%											
												(Grain Total)	450.73	425.00		

Noxious Words (8000/01)
 1. **NOXIOUS** (adjective) means harmful or dangerous. It can refer to a substance, a person, or a situation. For example, a noxious gas is a gas that is harmful to breathe. A noxious person is a person who is harmful to others. A noxious situation is a situation that is dangerous or harmful.

Reclamation Onsite:

Date:	TBD
BLM Specialist present:	Roger Herrera (505) 564-7703
Synergy Engineer present:	Tom Mullins (505) 320-1751
Synergy Reclamation Contractor	Anticipated Robert Bridge

Synergy will contact Roger and coordinate a time to perform a pre-abandonment onsite meeting to discuss the planned abandonment activity on this well. There are no associated rights of way or access roads, as the existing pipeline right of way for the Lybrook Lateral was utilized to access the well location.

Reclamation Procedure:

Wellbore:

A separate plan/procedure to permanently plug the wellbore has been attached to the sundry notice (Form 3160-5) that was submitted to the BLM's FFO for review.

Production Equipment:

There is no surface equipment on this well location. Any miscellaneous items and trash will be removed prior to commencing reclamation activities.

Reclamation Timing:

Reclamation work will begin as soon as weather conditions and contractor availability allow, following the plugging of the wellbore and the removal of the surface production equipment. Weather and planting conditions will determine when seeding activities will begin.

Reclamation Notification:

Prior to the start of the reclamation process, a minimum of 48-hour notice will be given by both email (rherrara@blm.gov) and telephone to Roger Herrera (505-564-7703) of the BLM's FFO. In no instance, shall Synergy begin any reclamation activity unless the BLM has acknowledged Synergy's intent to begin work activities and has given its approval.

Gravel:

No gravel is present on this location.

Recontouring wellsite:

The wellsite will be recontoured using the existing materials. Attached, to this plan, are the cut and fill diagrams that were filed with the original BLM APD in 2007. Synergy will endeavor to recontour the wellsite as close as possible to the original topography, as shown in these diagrams, thereby restoring natural drainage patterns.

There are no culverts coming into the well location to be addressed.

Ripping and Disking:

Following the recontouring of the wellsite, the disturbed areas will be ripped to a sufficient depth to reduce compaction and improve root establishment. If it is determined that the ripping operations were inadequate, to prepare the soil for reseeding operations, disking operations will be performed.

Topsoil Replacement:

Any topsoil available will be reused pulling back from the East to the West.

Reseeding:

The reseeding will be accomplished, within thirty (30) days of the completion of the recontouring, utilizing an orchard type seeder and disking into the soils, as discussed at the onsite. The seed mixture, proposed in this plan, will be certified and free of noxious weeds. During reseeding operations, the seed labels will be available for inspection.

Access Road:

The minor short access road from the Lybrook Lateral Pipeline Right of Way will be reclaimed from the wellsite back to its terminus.

Monitoring:

Activities to monitor the progress of the wellsite and access road reclamation, to restore the disturbed areas to as near as possible to their pre-disturbance state, will be ongoing. Secondary reclamation activities may be necessary to ensure the success of the reclamation process and to reestablish the natural vegetation. The continuous cycle of monitoring, re-evaluation and secondary reclamation activities will continue until the wellsite and access road meet the final reclamation objectives.

Final Abandonment Notice:

After Synergy believes that its ongoing reclamation operations meet The Gold Book objectives, and is ready for inspection, a Final Abandonment Notice (FAN) will be filed with the BLM's FFO.

References:

BLM, Surface Operating Standards and Guidelines for Oil and Gas Exploration and Development (The Gold Book) Fourth Edition – Revised 2007, pp 43 - 49.

BLM Farmington Field Office (FFO), Bare Soil Reclamation Procedures, January 2013.

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240

DISTRICT II
811 South First, Artesia, N.M. 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 15, 2000

OIL CONSERVATION DIVISION

2040 South Pacheco
Santa Fe, NM 87505

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

RECOMMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number		*Pool Code	*Pool Name FRUITLAND COAL
*Property Code	*Property Name SYNERGY 22-7-31		*Well Number 144
*GRID No. 163450	*Operator Name SYNERGY OPERATING, L.L.C.		*Elevation 6660'

¹⁰ Surface Location

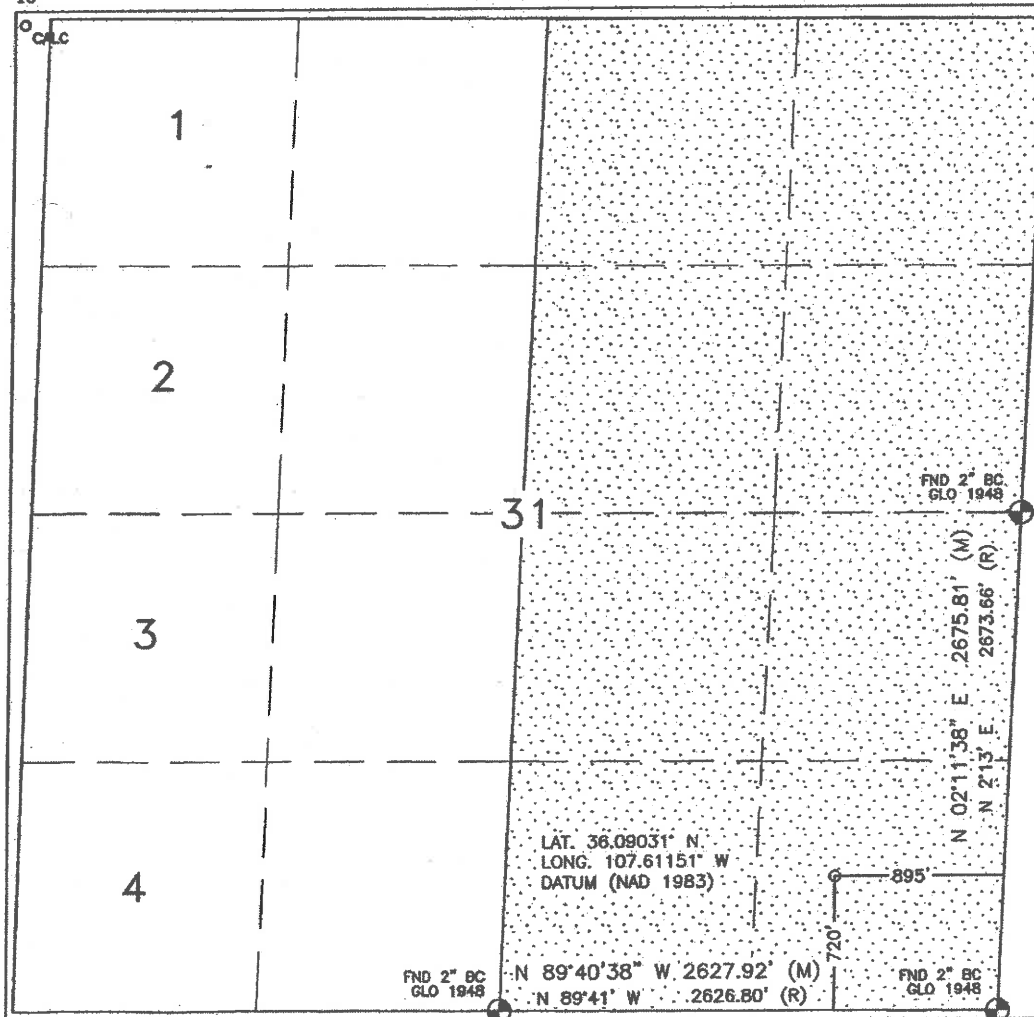
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	31	22N	7W		720'	SOUTH	895'	EAST	SANDOVAL

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
*Dedicated Acres 320.00 322.81 Acres - (E/2)			*Joint or Infill		*Consolidation Code		*Order No.		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16



17 OPERATOR CERTIFICATION

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

Signature

Thomas E. Mullins

Printed Name

ENGINEERING MANAGER

Title

9-1-06

Date

18 SURVEYOR CERTIFICATION

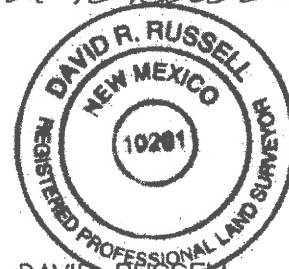
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

JULY 27, 2006

Date of Survey

Signature and Seal of Professional Surveyor:

David R. Russell



DAVID RUSSELL

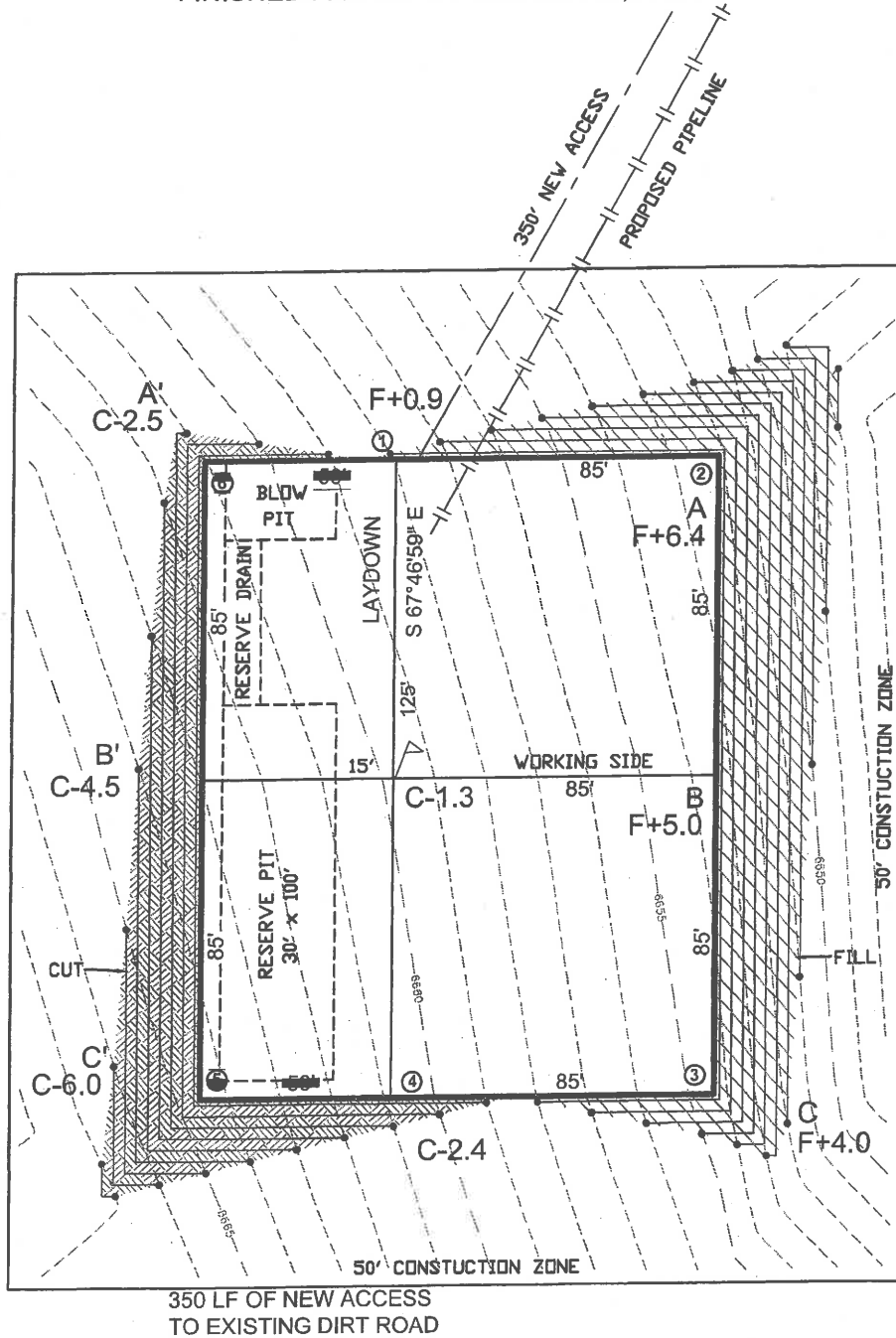
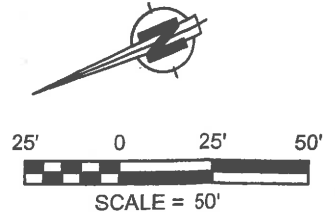
Certificate Number

10201

LATITUDE: 36.09031°N
 LONGITUDE: 107.61151°W
 DATUM: NAD 83

SYNERGY OPERATING, L.L.C.

SYNERGY 22-7-31 #144
 720' FSL & 895' FEL
 LOCATED IN THE SE/4 SE/4 OF
 SECTION 31, T22N, R7W, N.M.P.M.,
 SANDOVAL COUNTY, NEW MEXICO
 GROUND ELEVATION: 6660', NAVD 88
 FINISHED PAD ELEVATION: 6658.5', NAVD 88



1 FOOT CONTOUR INTERVAL SHOWN
 SCALE: 1" = 50'
 JOB No.: SYN026
 DATE: 07/31/06

Russell Surveying
 1409 W. Aztec Blvd. #5
 Aztec, New Mexico 87410
 (505) 334-8637

SYNERGY OPERATING, L.L.C.

SYNERGY 22-7-31 #144

720' FSL & 895' FEL

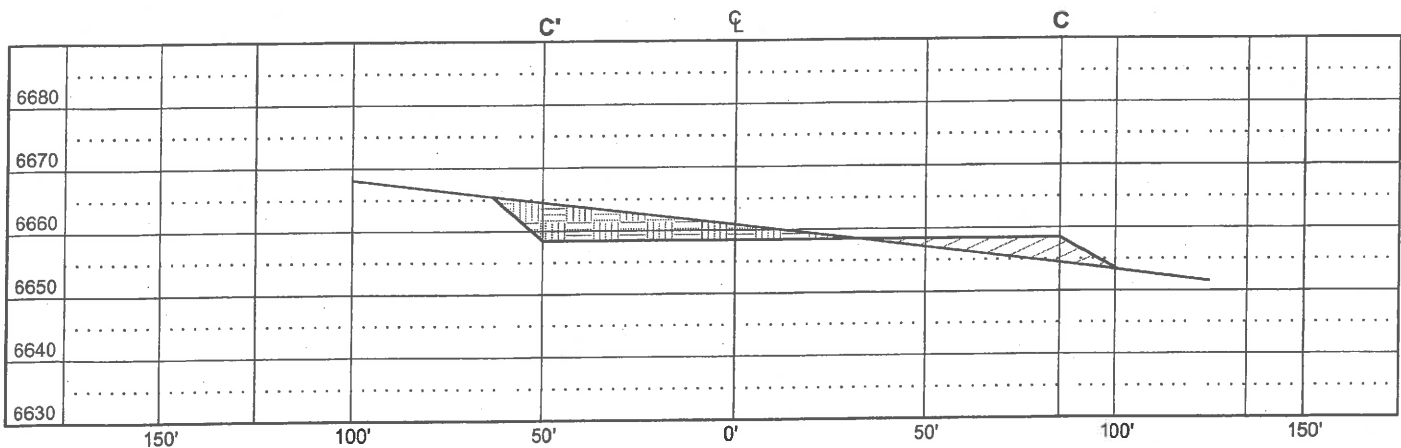
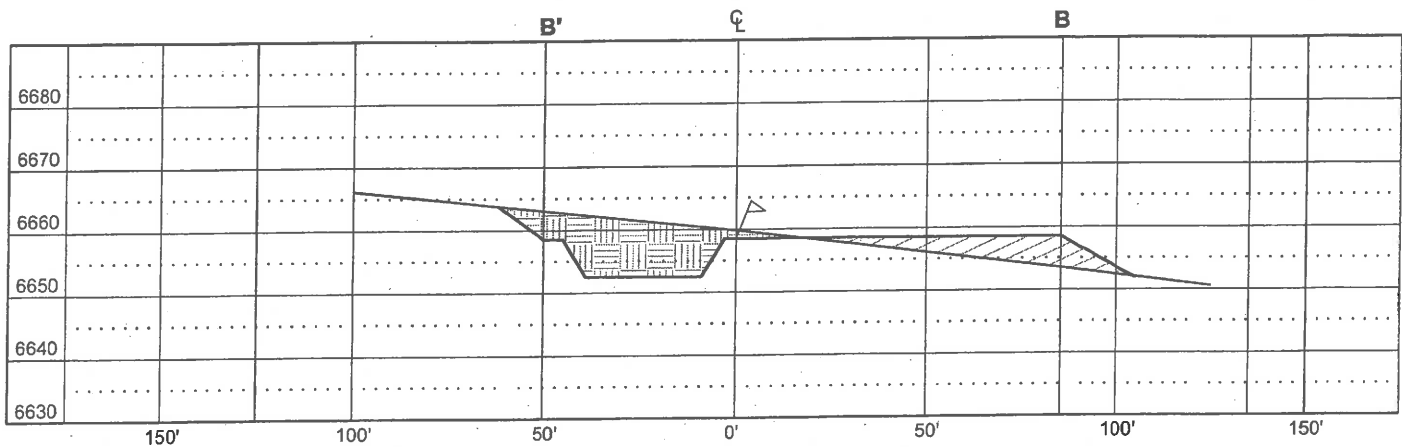
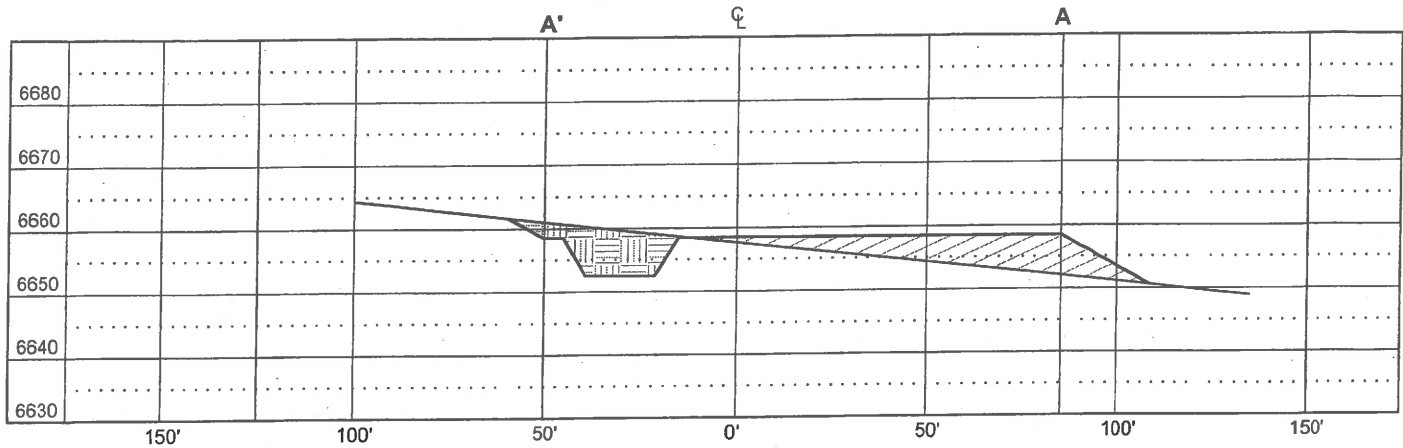
LOCATED IN THE SE/4 SE/4 OF

SECTION 31, T22N, R7W, N.M.P.M.,

SANDOVAL COUNTY, NEW MEXICO

GROUND ELEVATION: 6660', NAVD 88

FINISHED PAD ELEVATION: 6658.5', NAVD 88



VERT. SCALE: 1" = 30'
 HORZ. SCALE: 1" = 50'
 JOB No.: SYN026
 DATE: 7/31/06



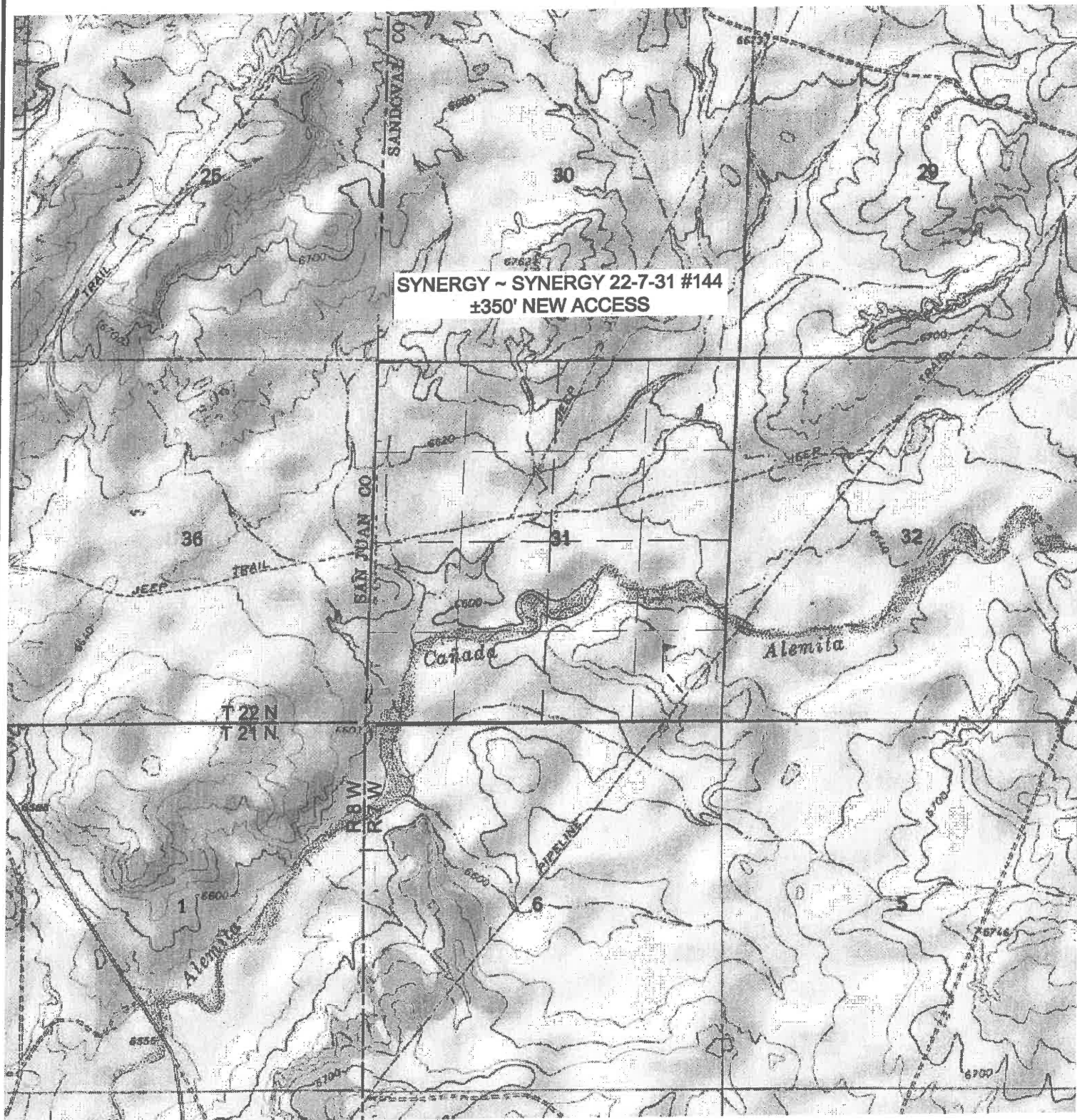
Russell Surveying
 1409 W. Aztec Blvd. #5
 Aztec, New Mexico 87410
 (505) 334-8637

SYNERGY OPERATING, L.L.C.

SYNERGY 22-7-31 #144

720' FSL & 895' FEL

LOCATED IN THE SE/4 SE/4 OF
SECTION 31, T22N, R7W, N.M.P.M.,
SANDOVAL COUNTY, NEW MEXICO
GROUND ELEVATION: 6660', NAVD 88



U.S.G.S. QUAD: LYBROOK SE, NM
SCALE: 1" = 2000' (1:24,000)
JOB No.: SYN026
DATE: 08/01/06



Russell Surveying
1409 W. Aztec Blvd. #5
Aztec, New Mexico 87410
(505) 334-8637

Google Maps



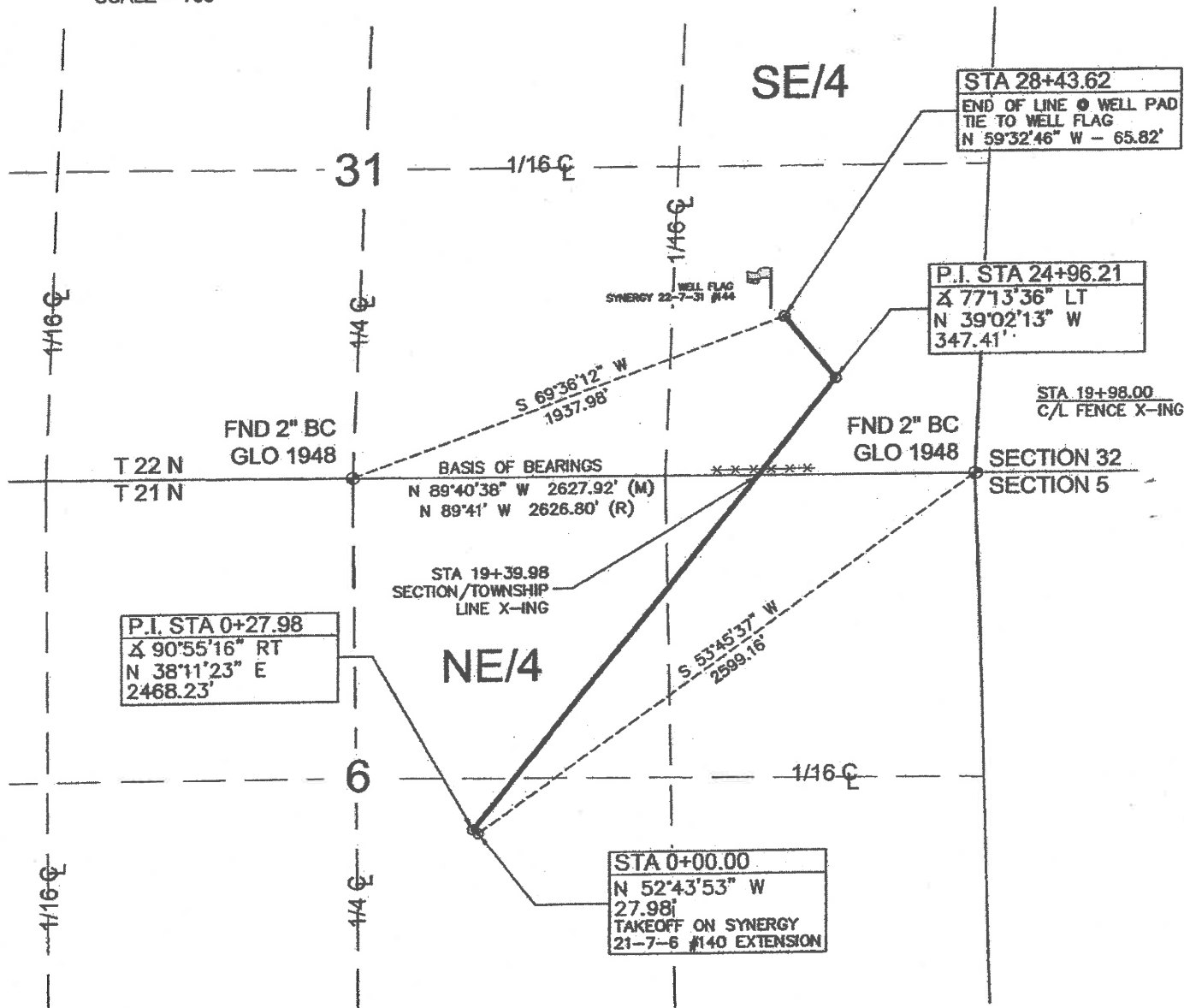
Imagery ©2023 CNES / Airbus, Maxar Technologies, NMRGIS, USDA/FPAC/GEO, Map data ©2023 100 ft

PROPOSED PIPELINE FOR SYNERGY OPERATING, L.L.C.

SYNERGY 22-7-31 #144
720' FSL & 895' FEL
LOCATED IN THE SE/4 OF
SECTION 31, T22N, R7W, N.M.P.M.,
SANDOVAL COUNTY, NEW MEXICO



700' 0 350' 700'
SCALE = 700'



NOTES:

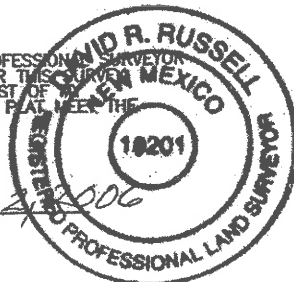
1.) BASIS OF BEARING: BETWEEN FOUND MONUMENTS AT THE SOUTHEAST CORNER AND THE SOUTH QUARTER CORNER OF SECTION 31, TOWNSHIP 22 NORTH, RANGE 7 WEST, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO.
LINE BEARS: N 89°40'38" W A DISTANCE OF 2627.92 FEET AS MEASURED BY G.P.S.

2.) LOCATION OF UNDERGROUND UTILITIES DEPICTED ARE APPROXIMATE. PRIOR TO EXCAVATION UNDERGROUND UTILITIES SHOULD BE FIELD VERIFIED. ALL CONSTRUCTION ACTIVITIES SHOULD BE FIELD VERIFIED WITH NEW MEXICO ONE-CALL AUTHORITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.

I, DAVID R. RUSSELL, A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR, CERTIFY THAT I CONDUCTED AND AM RESPONSIBLE FOR THIS SURVEY AND THAT THIS SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT THIS SURVEY AND PLAT MEET THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO.

David R. Russell
DAVID R. RUSSELL, PLS
NEW MEXICO L.S. #10201

DATE: *Aug 2, 2006*



~ SURFACE OWNERSHIP ~
BUREAU OF LAND MANAGEMENT
0+00 TO 28+43.62
2843.62 FT/ 172.34 RODS
DATE OF SURVEY: 07/27/06 JE, JM

R.S.

Russell Surveying
1409 W. Aztec Blvd. #5
Aztec, New Mexico 87410
(505) 334-8637

JOB No.: SYN026

DATE: 07/31/06

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
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 282228

CONDITIONS

Operator: SYNERGY OPERATING LLC P.O. Box 5513 Farmington, NM 87499	OGRID: 163458
	Action Number: 282228
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	Notify NMOCD 24 hours prior to moving on.	11/2/2023