

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 Well ☒ Gas Well ☐ Other

2. Name of Operator
ENERGEN RESOURCES CORPORATION

3. Address and Telephone No.
2198 Bloomfield Highway, Farmington, NM 87401

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1460' FSL, 1790' FEL, Sec. 29, T24N, R2W, N.M.P.M.

RECEIVED
JUN 21 1999

OIL CON. DIV.
DIST. 3

5. Lease Designation and Serial No.
SF-078910

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
Lindrieth Unit Com
NM 78399 X

8. Well Name and No.
Lindrieth Unit Com 93

9. API Well No.
30-039-21809

10. Field and Pool, or exploratory Area
S. Blanco PC

11. County or Parish, State
Rio Arriba NM

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

TYPE OF SUBMISSION

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

TYPE OF ACTION

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ 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.)*

Energen Resources Corporation proposes to plug and abandon this well per the attached procedure.

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

Signed [Signature]

Title Production Foreman

Date 5/11/99

(This space for Federal or State office use)

Approved by [Signature]

Title Lands and Mineral Resources

Date JUN 17 1999

Conditions of approval, if any:

Surface restoration requirements in attached ltr.

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.

PLUG AND ABANDONMENT PROCEDURE

4-20-99

Lindrith Unit Com #93
South Blanco Pictured Cliffs
1460' FSL & 1790' FEL, Section 29, T24N, R2W
Rio Arriba County, New Mexico

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Prepare blow pit. Comply with all NMOCD, BLM, and Energen safety regulations. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with water as necessary. ND wellhead and install cementing valve.
2. Open bradenhead valve. Establish rate down 2-7/8" casing with 20 bbls water, record pump rate and pressure. Monitor bradenhead for flow. If no flow or blow, then pump 3 7/8" RCN balls in additional water and monitor pressure, rate and volumes pumped, to confirm perforations are taking water and there is not a casing leak. If the bradenhead flows gas or water or there are other indications of a casing leak, then MO and RU pulling unit to use 1-1/4" IJ tubing workstring to plug the well.
3. **Plug #1 (Pictured Cliffs perforations, Fruitland, Kirtland, and Ojo Alamo tops, 3018' - 2635')**: Establish rate into perforations with water. Mix and pump 34 sxs Class B cement (20% excess) and bullhead cement down 2-7/8" casing, displace to 1500' with water. Shut in well and WOC. Rig up mast truck and tag cement. Pressure test casing to 500#.
4. **Plug #2 (Nacimiento top, 1250' - 1150')**: Perforate 2 bi-wire squeeze holes at 1250'. Establish rate into squeeze holes if casing tested. Mix 56 sxs Class B cement and squeeze 50 sxs cement outside 2-7/8" casing and leave 6 sxs cement inside casing, displace to 600', to cover Nacimiento top. If casing leaks, use tubing and a wireline set retainer at 1200'. POH and LD tubing.
5. **Plug #3 (8-5/8" Casing Shoe at 133')**: Perforate 2 bi-wire squeeze holes at 183'. Establish circulation out bradenhead valve. Mix and pump approximately 60 sxs Class B cement down 2-7/8" casing, circulate good cement to surface. Shut in well and WOC.
6. ND BOP and cut off wellhead below surface casing. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

Lindrith Unit Com #93

Current

South Blanco Pictured Cliffs

SE ,Section 29, T-24-N, R-2-W, Rio Arriba County, NM

Today's Date: 4/20/99

Spud: 9/17/78

Completed: 12/27/78

Elevation: 7086'

12-1/4" hole

8-5/8" 24#, J-55 Casing set @ 133'
Cemented with 106 cf

Nacimiento @ 1200'

7-7/8" Hole
to 1915'

TOC @ 2050' (T.S.)

Ojo Alamo @ 2685'

Kirtland @ 2780'

Fruitland @ 2836'

Pictured Cliffs @ 2948'

Pictured Cliffs Perforations:
2954' - 3018' (9 holes)

PBTD 3071'

6-3/4 hole

2-7/8" 6.4#, J-55 Casing set @ 3081'
Cemented with 125 sxs (164 cf)

TD 3081'

Lindrith Unit Com #93

Proposed P&A

South Blanco Pictured Cliffs

SE, Section 29, T-24-N, R-2-W, Rio Arriba County, NM

Today's Date: 4/20/99
Spud: 9/17/78
Completed: 12/27/78
Elevation: 7086'

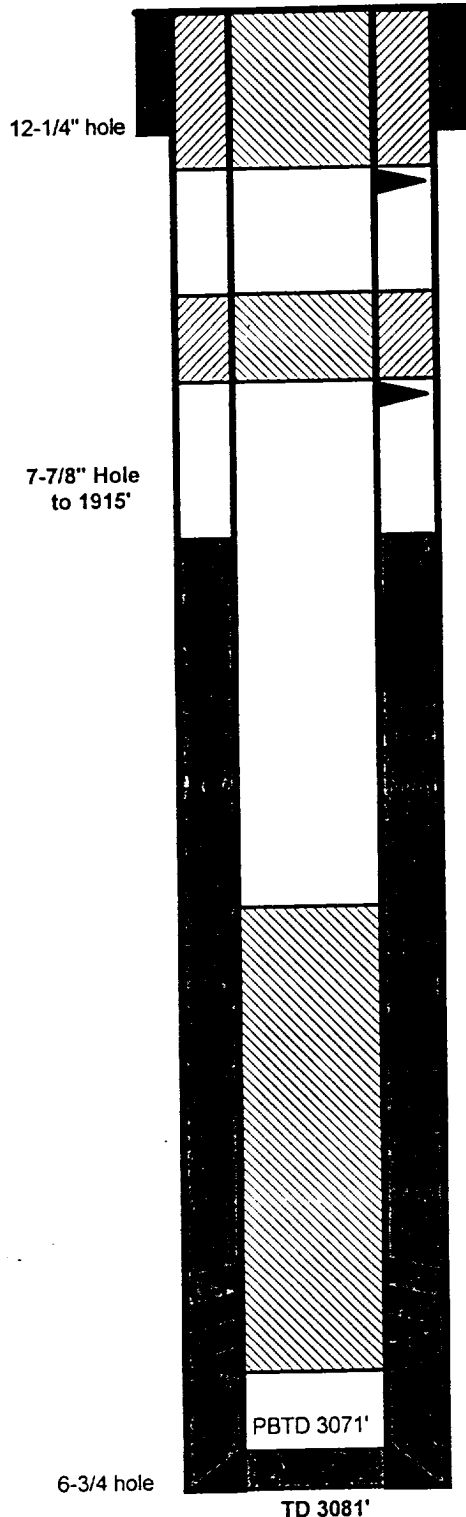
Nacimiento @ 1200'

Ojo Alamo @ 2685'

Kirtland @ 2780'

Fruitland @ 2836'

Pictured Cliffs @ 2948'



Perforate @ 183'

Plug #3 183' - Surface
Cmt with 60 sxs Class B

Perforate @ 1250'

Plug #2 1250' - 1150'
Cmt with 56 sxs Class B,
50 sxs outside casing
and 6 sxs inside (displace to 600').

TOC @ 2050' (T.S.)

Plug #1 3018' - 2635'
Cmt with 34 sxs Class B,
(20% excess, long plug;
displace to 1500')

Pictured Cliffs Perforations:
2954' - 3018' (9 holes)

2-7/8" 6.4#, J-55 Casing set @ 3081'
Cemented with 125 sxs (164 cf)

CONDITIONS OF APPROVAL FOR PERMANENT ABANDONMENT

Operator Energen Resources

Well Name Lindrith Unit Com 93

1. Plugging operations authorized are subject to the "General Requirements for Permanent Abandonment of Wells on Federal Leases."
2. For wells on Federal leases, Al Yepa with the Cuba Field Office is to be notified at least 24 hours (48 hours if possible) before the plugging operations commence. His phone number is (505) 289-3748. Office hours are 7:45 a.m. to 4:30 p.m.

For wells on Jicarilla leases notify Erwin Elote with the Jicarilla Apache Tribe at least 24 hours (48 hours if possible) before the plugging operations commence. His phone number is (505) 759-3242.

3. Blowout prevention equipment is required.
4. The following modifications to your plugging program are to be made :

Top of the Ojo Alamo Sandstone is estimated at 2405 feet. Plug #1 can be increase to provide coverage to 2355 feet or an additional plug can be placed covering from 2455 feet to 2355 feet.

Top of the Nacimiento Formation is estimated at 1145 feet. Move Plug #2 to cover from 1200 feet to 1100 feet.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Albuquerque Field Office

435 Montañito Rd. N.E.

Albuquerque, New Mexico 87107- 4935

www.nm.blm.gov



IN REPLY REFER TO:

3162.3-4 (017)

NMSF-078910

NMNM-78399X

NMNM-75958

Lindrith Unit Comm #93

JUN 17 1999

Energen Resources Corporation
2198 Bloomfield Highway
Farmington, New Mexico 87401

Dear Don Graham:

The following conditions of approval must be complied with (as applicable) before the Lindrith Unit Comm #93 located 1460' FSL & 1790' FEL, Section 29, T 24 N, R 2 W can be approved for final abandonment.

1. All fences, production equipment, purchaser's equipment, concrete slabs, deadman (anchors), flowlines, risers, debris and trash must be removed from the location.
2. Any oily soil or fluids must be properly disposed of in an approved disposal area.
3. Pits must be filled in and the edges of the pads shaped to conform to the natural terrain.
4. Pads must be leveled, dressed up by a maintainer, ripped and disked.
5. Access roads must be leveled, waterbarred, disked and blocked off with earthen berms at the at the junction with the main road and at the entrance to the well pad. Waterbars should be spaced as shown below. **Contact the surface owner for access road closure.**

% Slope	Spacing Interval
Less than 2%	200'
2 to 5%	150'
6 to 9%	100'
10 to 15%	50'
Greater than 15%	30'

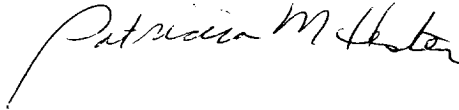
6. All disturbed areas will be seeded with the prescribed seed mix (Reseeding may be required) **Contact the surface owner for the prescribed seed mix. If no seed mix is recommended by the landowner, BLM mix**

#1 was recommended in the original APD. Recommended Seed Mixtures. *Species to be planted in pounds pure-live-seed per acre: Pure Live Seed = Germination x Purity. Weed free seed should be used to avoid the spread of noxious weeds.

a.	<u>Seed Mix No. 1--BLM</u>	
	Crested Wheatgrass	2
	Smooth Brome	1
	Fourwing Saltbush (dewinged)	1
	Nomad Alfalfa	2
	Indian Ricegrass	1
	Western Wheatgrass	2

After one growing season, notify us by Sundry Notice of Final Abandonment. We will also need a letter from the fee surface owner stating that the surface restoration is satisfactory. If you have any questions, please contact me at (505) 761-8786.

Patricia M. Hester



Surface Protection/Geologist