

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1304 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-144
June 1, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

For drilling and production facilities, submit to appropriate NMOCD District Office.
For downstream facilities, submit to Santa Fe office

Pit or Below-Grade Tank Registration or Closure

Is pit or below-grade tank covered by a "general plan"? Yes ☒ No ☐

Type of action: Registration of a pit or below-grade tank ☐ Closure of a pit or below-grade tank ☒

Operator: Synergy Operating, LLC (OGRID # 163458) Telephone: (505) 325-5449 Email address: tom.mullins@synergyoperating.com
Address: PO Box 5513, Farmington, NM 87499
Facility or well name: Crawford 29-12-24 # 103 API #: 30-045-32845 U/L or Qtr/Qtr A Sec 24 T 29N R 12W
County: San Juan Latitude: 36 Deg. 42 Min. 58.8 Sec N Longitude: 108 Deg. 02 Min. 42.1 Sec W NAD: 1927 ☐ 1983 ☒ Surface Owner Federal ☒ State ☐ Private ☐ Indian ☐

Pit

Type: Drilling ☒ Production ☐ Disposal ☐

Workover ☐ Emergency ☐

Lined ☒ Unlined ☐

Liner type: Synthetic ☒ Thickness 12+ mil Clay ☐

Initial Volume 1000 bbl

Below-grade tank

Volume: bbl Type of fluid:

Construction material:

Double-walled, with leak detection? Yes ☐ If not, explain why not.

Depth to ground water (vertical distance from bottom of pit to seasonal high water elevation of ground water.)

Less than 50 feet

(20 points)

50 feet or more, but less than 100 feet

(10 points)

100 feet or more

(0 points)

Wellhead protection area: (Less than 200 feet from a private domestic water source, or less than 1000 feet from all other water sources.)

Yes

(20 points)

No

(0 points)

Distance to surface water: (horizontal distance to all wetlands, playas, irrigation canals, ditches, and perennial and ephemeral watercourses.)

Less than 200 feet

(20 points)

200 feet or more, but less than 1000 feet

(10 points)

1000 feet or more

(0 points)

Ranking Score (Total Points)

0

If this is a pit closure: (1) attach a diagram of the facility showing the pit's relationship to other equipment and tanks. (2) Indicate disposal location: (check the onsite box if you are burying in place) onsite ☒ offsite ☐ If offsite, name of facility . (3) Attach a general description of remedial action taken including remediation start date and end date. (4) Groundwater encountered: No ☒ Yes ☐ If yes, show depth below ground surface ft. and attach sample results. (5) Attach soil sample results and a diagram of sample locations and excavations.

Additional Comments:

Synergy plans to close the pit per the general guidelines upon return of this approved application. The pit has been empty of all fluids, remains fenced, but awaits a bull dozer to complete final closure.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that the above-described pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative NMOCD-approved plan ☐.

Date: 06-24-2005

Printed Name/Title Thomas E. Mullins

Signature Thomas E. Mullins

Your certification and NMOCD approval of this application/closure does not relieve the operator of liability should the contents of the pit or tank contaminate ground water or otherwise endanger public health or the environment. Nor does it relieve the operator of its responsibility for compliance with any other federal, state, or local laws and/or regulations.

Approval: DEPUTY OIL & GAS INSPECTOR, DIST. 00

Printed Name/Title

Signature

Date:

JUN 27 2005

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Designation and Serial No. <i>NM 11013885</i>	
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name	
2. Name of Operator Synergy Operating, LLC		7. If Unit or CA, Agreement, Name and No.	
3a. Address PO Box 5513 Farmington, NM 87499		8. Lease Name and Well No. Crawford 29-12-24 # 103	
3b. Phone Number (505) 325-5449		9. API Well No. <i>3004532845</i>	
4. Location of Well (Footage, Sec, T. R., M, or Survey Description) At surface: Unit Letter A, 890' FNL, 975' FEL, Sec 24, T29N-R12W At proposed prod. Zone: Same		10. Field and Pool, or Exploratory Basin Fruitland Coal	
14. Distance in miles and direction from nearest town or post office 4 miles west of Bloomfield, NM, Just North of McGee Park		11. Sec., T., R., M., or Blk. and Survey or Area Sec 24, T-29-N, R-12-W	
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drlg. Unit line, if any) 890 Feet from North Line	16. No of Acres in lease ____ Acres	12. County or Parish, State San Juan New Mexico	
18. Distance from proposed location to nearest property or lease line, ft. 975 Feet from East Line	19. Proposed Depth 1800'	17. Spacing Unit dedicated to this well 314.42 Acres - East Half	
21. Elevation (Show whether DF, KDB, RT, GL, etc.) 5685' Ground Level	22. Approximate date work will start February 15, 2005	20. BLM/BIA Bond No. on file NM-2559	
		23. Estimated duration 30 days	

24. Attachments

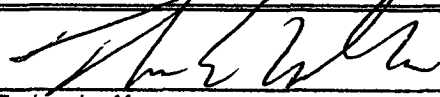

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office.
- Bond to cover the operations unless covered by an existing bond on file (see item 20 above).
- Operator certification.
- Such other site specific information and/or plans as may be required by the authorized officer

Size of Hole	Grade, Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12-1/4"	8-5/8" K-55	24 #	350'	213 sxs, 302 ft3 - 100% Excess
7-7/8"	5-1/2" K-55	15.5#	1800'	299 sxs, 565 ft3 - 100% OH Excess

SEE ATTACHED APD INFORMATION

Latitude: 36 Deg, 42 Min, 58.8 Sec N
Longitude: 108 Deg, 02 Min, 42.1 Sec W

25. Signature 	Name(Printed/Typed) Thomas E. Mullins	Date 1-25-05
Title Engineering Manager		
Approved by (Signature) 	Name(Printed/Typed) AFM	Date 2-1-05
Title AFM	Office FEO	

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

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 reverse)

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

OPERATOR

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
DISTRICT II
1301 W. Grand Ave., Artesia, N.M. 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

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

Form C-102
Revised June 10, 2003

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

DISTRICT IV
1220 South St. Francis Dr., Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name BASIN FRUITLAND COAL
⁴ Property Code	⁵ Property Name CRAWFORD 29-12-24	⁶ Well Number 103
⁷ OGRID No. 163458	⁸ Operator Name SYNERGY OPERATING LLC	⁹ Elevation 5685

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
A	24	29-N	12-W	1	890	NORTH	975	EAST	SAN JUAN

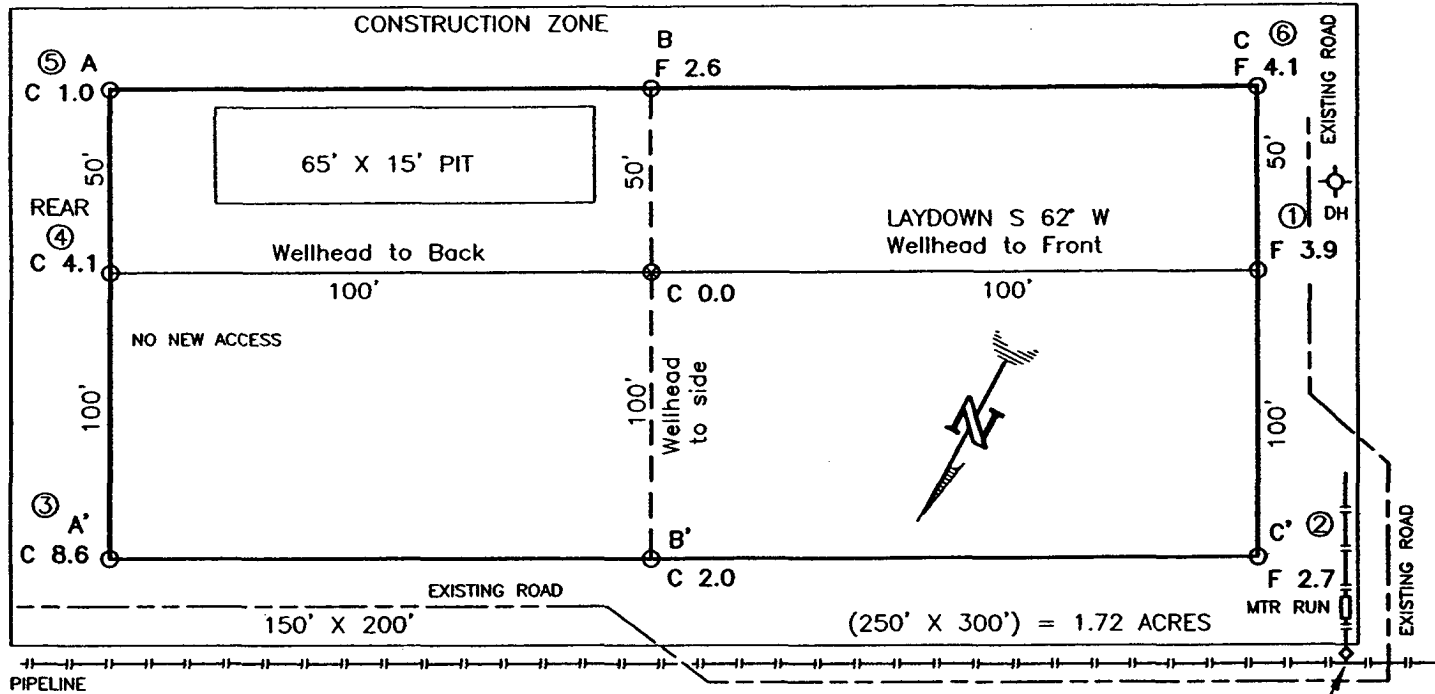
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres E/2 -					¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ 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 12-26-2004 Date

SYNERGY OPERATING LLC
 CRAWFORD 29-12-24 NO. 103, 890' FNL 975' FEL
 SECTION 24, T29N, R12W, N.M.P.M., SAN JUAN COUNTY, N. M.
 GROUND ELEVATION: 5685', DATE: NOVEMBER 10, 2004

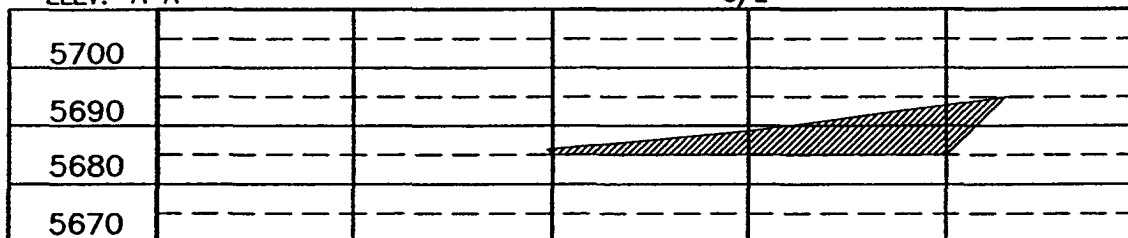


RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).
 BLOW PIT: OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT.

NOTE: DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.

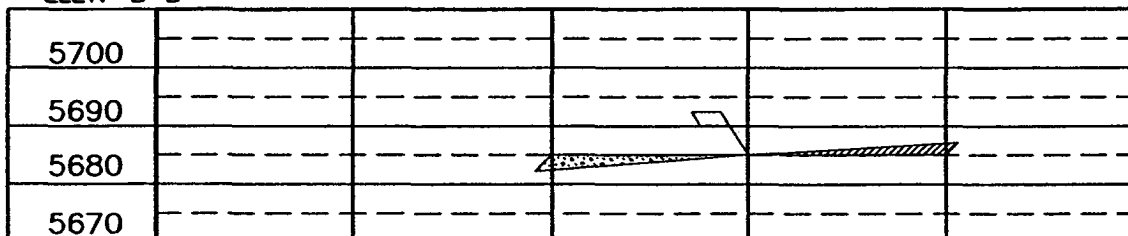
ELEV. A-A'

C/L



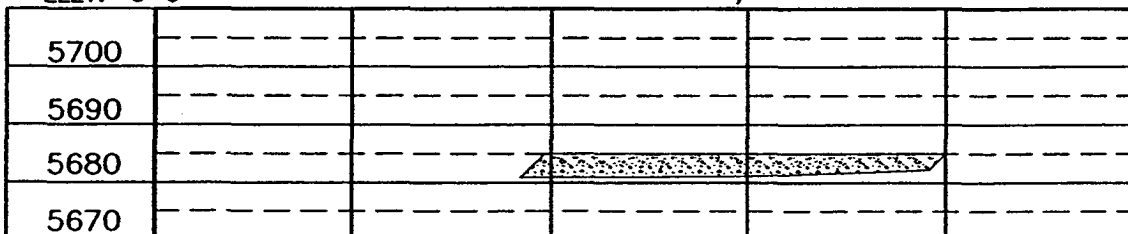
ELEV. B-B'

C/L



ELEV. C-C'

C/L



NOTE: CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

REVISION:	DATE:	REVISED BY:

Daggett Enterprises, Inc.
 Surveying and Oil Field Services
 P. O. Box 15068 • Farmington, NM 87401
 Phone (505) 326-1772 • Fax (505) 326-6019
 NEW MEXICO L.S. No. 14831
 CDR/PLT SYOP003CFB
 DATE: 11/18/04

Daggett Enterprises, Inc.
 Surveying and Oil Field Services
 P. O. Box 15068 • Farmington, NM 87401
 Phone (505) 326-1772 • Fax (505) 326-6019
 NEW MEXICO L.S. No. 14831
 CDR/PLT SYOP003CFB
 DATE: 11/18/04

DRAWN BY: G.V.
 ROW#: SYOP003

TOPO! map pr.

on 12/14/04 from "SYOP003QM.tpo" &

Intitled.tpg"

108°04.000' W

108°03.000' W

WGS84 108°02.000' W

36°44.000' N

36°44.000' N

36°43.000' N

36°43.000' N

36°42.000' N

36°42.000' N

SYNERGY OPERATING LLC

CRAWFORD 29-12-24 NO. 103

890 FNL 975 FEL

NE/4 NE/4 SEC. 24, T-29-N, R-12-W, N.M.P.M.

SAN JUAN COUNTY, NEW MEXICO

NO NEW ACCESS

CRAWFORD 29-12-24 NO. 103

LAT: 36.42.58.8 N (NAD 83)

LONG: 108.02.42.1 W (NAD 83)

NO NEW ACCESS

TN 11°

108°04.000' W

108°03.000' W

WGS84 108°02.000' W

0 1000 FEET 0 500 1000 METERS

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