

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

RECEIVED

1. Type of Well

☐

Oil Well

☒

Gas Well

☐

Other

NOV 05 2007

2. Name of Operator

Synergy Operating, LLC

3. Address and Telephone No

P.O. Box 5513, Farmington, NM 87499

(505) 325-5449

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

Unit I, 1580' FSL, 715' FEL, Sec 06, T21N - R07W

320 acres (E/2)

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

TYPE OF SUBMISSION

TYPE OF ACTION

☐

Notice of Intent

☒

Subsequent Report

☐

Final Abandonment Notice

☐

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 work
If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones of pertinent to this work

- 10-10-2007 MIRU Steve & Son WW Rig # 1. Remove swedge. Install wellhead. Set up cable spooler. Make-up Electric Submersible Pump, on 2-3/8" tubing w/ # 6 cable. GIH and land 2-3/8" tubing at 724' KB. Make-up wellhead. Connect to generator. Start pump. Generator is too small. Rig down all equipment and release. Plan to get bigger generator. 4" ESP, 18 gpm pumpend on bottom, Set to pump to 210 bbl flowback tank.
- 10-17-2007 Finish connecting 2" flowline to flowback tank. Wire ESP to generator. Start ESP. Pump 85 bbls in 15.75 hrs. Load fluid.
- 10-19-2007 Continue Electric Submersible Pump Test on Well.
- 10-20-2007 Csg Pressure 42 psig, Testing Gas, Blow down well. Recover additional 85 bbls water. Total now 185 bbls. Refuel generator.
- 10-21-2007 Continue ESP pump test. Adjust controller sensitivity. 12 psig, testing gas.
- 10-22-2007 Pump functioning properly. Recover additional 115 additional bbls in 26 hrs. 56 psig casing pressure. Good gas flow. Take gas sample. Test well 2 hrs. Test at 5 MCFD rate. Final test rates 100 BWPD, 5 MCFD. Obtain H₂O sample. Gas well capable of commercial production. Waiting on pipeline.

GAS SAMPLE RESULTS ATTACHED

Completion Report to be filed.

ACCEPTED FOR RECORD

NOV 07 2007

FARMINGTON FIELD OFFICE
BY T. Salyers

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

Signed:

Thomas E. Mullins

Title:

Engineering Manager

Date:

11-02-2007

tom.mullins@synergyoperating.com

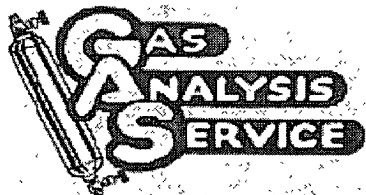
This space for federal or state office use

Approved by:

Title:

Date:

Conditions of approval if any



2030 AFTON PLACE
FARMINGTON, N.M. 87401
(505) 325-6622

ANALYSIS NO. SY270017
CUST. NO. 73300 - 10165

WELL/LEASE INFORMATION

| | | | |
|---------------|------------------------|---------------|-------------|
| CUSTOMER NAME | SYNERGY OPERATING, LLC | SOURCE | CASING |
| WELL NAME | SYNERGY 21-7-6 #134 | PRESSURE | 56 PSI G |
| COUNTY/ STATE | SANDOVAL | SAMPLE TEMP | N/A DEG.F |
| LOCATION | | WELL FLOWING | Y |
| FIELD | | DATE SAMPLED | 10/22/2007 |
| FORMATION | FRUITLAND COAL | SAMPLED BY | TOM MULLINS |
| CUST.STN.NO. | | FOREMAN/ENGR. | |

REMARKS CASING GAS SAMPLE, TUBING PUMPING TO TANK.

| COMPONENT | MOLE % | ANALYSIS | | |
|-------------|---------|----------|---------|---------|
| | | GPM** | B.T.U.* | SP.GR * |
| NITROGEN | 2.459 | 0.0000 | 0.00 | 0.0238 |
| CO2 | 0.011 | 0.0000 | 0.00 | 0.0002 |
| METHANE | 96.780 | 0.0000 | 979.70 | 0.5361 |
| ETHANE | 0.739 | 0.1975 | 13.11 | 0.0077 |
| PROPANE | 0.001 | 0.0003 | 0.03 | 0.0000 |
| I-BUTANE | 0.000 | 0.0000 | 0.00 | 0.0000 |
| N-BUTANE | 0.000 | 0.0000 | 0.00 | 0.0000 |
| I-PENTANE | 0.002 | 0.0007 | 0.08 | 0.0000 |
| N-PENTANE | 0.000 | 0.0000 | 0.00 | 0.0000 |
| HEXANE PLUS | 0.008 | 0.0036 | 0.42 | 0.0003 |
| TOTAL | 100.000 | 0.2021 | 993.34 | 0.5681 |

* @ 14.730 PSIA DRY & UNCORRECTED FOR COMPRESSIBILITY

** @ 14.730 PSIA & 60 DEG. F.

| | | |
|-------------------------------------|--------|--|
| COMPRESSIBILITY FACTOR (1/Z) | 1.0020 | GPM, BTU, and SPG calculations as shown above are based on current GPA factors. |
| BTU/CU.FT (DRY) CORRECTED FOR (1/Z) | 995.3 | |
| BTU/CU.FT (WET) CORRECTED FOR (1/Z) | 978.9 | |
| REAL SPECIFIC GRAVITY | 0.5690 | |

ANALYSIS RUN AT 14.730 PSIA & 60 DEGREES F

| | | | |
|------------------|---------|-------------------|---------------|
| DRY BTU @ 14.650 | 989.9 | CYLINDER # | KFL121 |
| DRY BTU @ 14.696 | 993.0 | CYLINDER PRESSURE | 61 PSIG |
| DRY BTU @ 14.730 | 995.3 | DATE RUN | 10/24/2007 |
| DRY BTU @ 15.025 | 1,015.3 | ANALYSIS RUN BY | AMANDA FLOREZ |