

New Mexico
Energy Minerals and Natural Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505
(505) 476-3440

SUBMIT ORIGINAL
PLUS 2 COPIES
TO APPROPRIATE
DISTRICT OFFICE

APPLICATION FOR PRODUCTION RESTORATION PROJECT

District I - (505) 393-6161
1625 N. French Dr
Hobbs, NM 88240
District II - (505) 748-1283
1301 W. Grand Avenue
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 476-3440
1220 S. St. Francis Dr.
Santa Fe, NM 87505

Operator and Well:					OGRID Number	
Operator name & address SYNERGY OPERATING, LLC PO BOX 5513 FARMINGTON, NM 87499					163458	
Contact Party Thomas E. Mullins					Phone (505) 325-5449	
Property Name Sunray B					API Number 30-045-20765	
UL	Section	Township	Range	Feet From The	North/South Line	East/West Line
E	01	30N	10W	1500'	North	West
Well Number 4					County San Juan County	
Pool and Production Restoration: Previous Producing Pool(s) (If change in Pools): Blanco - Pictured Cliffs Date Production Restoration started: 07-13-1971 Date Well Returned to Production: 07-12-2002						
Describe the process used to return the well to production (Attach additional information if necessary): Per Sundry Notices filed 07-05-2002, the casing failure was repaired and new tubing installed in the well.						
Identify the period and Division records which show the Well had thirty (30) days or less production for the twenty-four consecutive months prior to restoring production: Records Showing Well produced less than 30 days during 24 month period: <input checked="" type="checkbox"/> ONGARD production data <input type="checkbox"/> Well file record showing that well was plugged <input type="checkbox"/> OCD Form C-115 (Operator's Monthly Report)						
Month/Year (Beginning of 24 month period): 07/1999 Month/Year (End of 24 month period): 07/11/2002 Well off-line 3 years						
V. Affidavit: State of <u>New Mexico</u>) County of <u>San Juan</u>) ss. <u>THOMAS E. MULLINS</u> being first duly sworn, upon oath states: 1. I am the Operator, or authorized representative of the Operator, of the above-referenced Well. 2. I have personal knowledge of the facts contained in this Application. 3. To the best of my knowledge, this application is complete and correct. Signature <u>[Signature]</u> Title <u>ENGINEERING MANAGER</u> Date <u>9-5-2002</u> SUBSCRIBED AND SWORN TO before me this <u>5</u> day of <u>Sept</u> , <u>2002</u> <u>[Signature]</u> Notary Public My Commission expires: <u>San Jan 2006</u>						

FOR OIL CONSERVATION DIVISION USE ONLY:
CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a Production Restoration Project. By copy he
Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that production was rest
7-12-2002

Signature District Supervisor <u>Charlie T. L...</u>	OCD District <u>AZTEC III</u>	Date <u>09-06-2002</u>
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DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

Well: SUNRAY B
 Operator: SYNERGY OPERATING LLC
 Township: 30.0N
 Section: 1
 Land Type: F

No.: 4
 API: 3E+09

Range: 10W
 Unit: 9
 County: San Juan

Accumulated:
 Oil: 249 (BBLs)
 Water: 0 (BBLs)

Gas: 4600859 (MCF)
 Days Prod: 2661 (Days)

Year: 1993
 Pool Name: BLANCO PICTURED CLIFFS (GAS)

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days	Prod	Accum. Oil	Accum. Gas(MCF)
January	3	4115	0	31	3	4115	
February	7	3708	0	28	10	7823	
March	13	5322	0	26	23	13145	
April	14	7150	0	30	37	20295	
May	16	8020	0	31	53	28315	
June	16	6897	0	30	69	35212	
July	7	4637	0	24	76	39849	
August	4	5755	0	31	80	45604	
September	57	6209	0	30	137	51813	
October	0	5177	0	30	137	56990	
November	0	3359	0	28	137	60349	
December	1	3082	0	31	138	63431	
Total	138	63431	0	350			

Year: 1994
 Pool Name: BLANCO PICTURED CLIFFS (GAS)

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days	Prod	Accum. Oil	Accum. Gas(MCF)
January	4	2982	0	31	142	66413	
February	3	2868	0	28	145	69281	
March	1	3512	0	31	146	72793	
April	1	2716	0	30	147	75509	
May	1	2740	0	31	148	78249	
June	0	1337	0	12	148	79586	
July	4	2695	0	24	152	82281	
August	0	1718	0	31	152	83999	
September	15	6079	0	30	167	90078	
October	1	3126	0	31	168	93204	
November	12	5866	0	30	180	99070	
December	0	6403	0	31	180	105473	
Total	42	42042	0	340			

Year: 1995
 Pool Name: BLANCO PICTURED CLIFFS (GAS)

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days	Prod	Accum. Oil	Accum. Gas(MCF)
January	3	6249	0	31	183	111722	
February	5	5278	0	28	188	117000	
March	10	5593	0	31	198	122593	

			0	30	203	126910
	5	4317	0	31	212	130575
April	9	3665	0	23	212	131988
May	0	1413	0	31	213	134967
June	1	2979	0	31	219	137735
July	6	2768	0	30	226	141893
August	7	4158	0	31	234	145696
September	8	3803	0	30	241	149098
October	7	3402	0	31	245	151852
November	4	2754	0	358		
December	65	46379	0			
Total						

Year:	1996					
Pool Name:	BLANCO PICTURED CLIFFS (GAS)					
Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days Prodi	Accum. Oil	Accum. Gas(MCF)
January	0	897	0	31	245	152749
February	0	3362	0	29	245	156111
March	1	1382	0	24	246	157493
April	1	118	0	30	247	157611
May	1	90	0	31	248	157701
June	0	25	0	27	248	157726
July	0	817	0	31	248	158543
August	0	1789	0	31	248	160332
September	0	629	0	30	248	160961
October	0	166	0	31	248	161127
November	0	84	0	30	248	161211
December	0	706	0	31	248	161917
Total	3	10065	0	356		

Year:	1997					
Pool Name:	BLANCO PICTURED CLIFFS (GAS)					
Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days Prodi	Accum. Oil	Accum. Gas(MCF)
January	0	517	0	31	248	162434
February	1	55	0	28	249	162489
March	0	126	0	31	249	162615
April	0	9	0	30	249	162624
May	0	11	0	31	249	162635
June	0	54	0	25	249	162689
July	0	6	0	31	249	162695
August	0	410	0	31	249	163105
September	0	425	0	30	249	163530
October	0	10	0	31	249	163540
November	0	9	0	30	249	163549
December	0	8	0	31	249	163557
Total	1	1640	0	360		

Year:	1998					
Pool Name:	BLANCO PICTURED CLIFFS (GAS)					
Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days Prodi	Accum. Oil	Accum. Gas(MCF)
January	0	22	0	31	249	163579
February	0	9	0	28	249	163588

March	0	13	0	31	249	163601
April	0	4	0	30	249	163605
May	0	3	0	31	249	163608
June	0	3	0	30	249	163611
July	0	3	0	31	249	163614
August	0	3	0	31	249	163617
September	0	3	0	30	249	163620
October	0	4	0	26	249	163624
November	0	3	0	30	249	163627
December	0	3	0	31	249	163630
Total	0	73	0	360		

Year: 1999

Pool Name: BLANCO PICTURED CLIFFS (GAS)

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days Prod	Accum. Oil	Accum. Gas(MCF)
January	0	3	0	31	249	163633
February	0	3	0	28	249	163636
March	0	0	0	31	249	163636
April	0	3	0	30	249	163639
May	0	3	0	31	249	163642
June	0	0	0	30	249	163642
July	0	3	0	31	249	163645
August	0	0	0	31	249	163645
September	0	0	0	30	249	163645
October	0	0	0	31	249	163645
November	0	0	0	30	249	163645
December	0	0	0	31	249	163645
Total	0	15	0	365		

Year: 2000

Pool Name: BLANCO PICTURED CLIFFS (GAS)

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days Prod	Accum. Oil	Accum. Gas(MCF)
January	0	0	0	31	249	163645
February	0	0	0	29	249	163645
March	0	0	0	31	249	163645
April	0	0	0	30	249	163645
May	0	0	0	31	249	163645
June	0	0	0	20	249	163645
July	0	0	0	0	249	163645
August	0	0	0	0	249	163645
September	0	0	0	0	249	163645
October	0	0	0	0	249	163645
November	0	0	0	0	249	163645
December	0	0	0	0	249	163645
Total	0	0	0	172		

Year: 2001

Pool Name: BLANCO PICTURED CLIFFS (GAS)

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days Prod	Accum. Oil	Accum. Gas(MCF)
January	0	0	0	0	249	163645

February	0	0	0	0	249	163645
March	0	0	0	0	249	163645
April	0	0	0	0	249	163645
May	0	0	0	0	249	163645
June	0	0	0	0	249	163645
July	0	0	0	0	249	163645
August	0	0	0	0	249	163645
September	0	0	0	0	249	163645
October	0	0	0	0	249	163645
November	0	0	0	0	249	163645
December	0	0	0	0	249	163645
Total	0	0	0	0		

Year: 2002

Pool Name: BLANCO PICTURED CLIFFS (GAS)

Month	Oil(BBLS)	Gas(MCF)	Water(BBL)	Days Prod	Accum. Oil	Accum. Gas(MCF)
January	0	0	0	0	249	163645
February	0	0	0	0	249	163645
March	0	0	0	0	249	163645
April	0	0	0	0	249	163645
May	0	0	0	0	249	163645
June	0	0	0	0	249	163645
Total	0	0	0	0		

Production Resumed 7-12-2002

Well Producing 135 MCFD.

[Signature]

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

RECEIVED

2002 JUL 26 AM 11:01

070 FARMINGTON, NM

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Synergy Operating, LLC

3. Address and Telephone No.

PO Box 5513 (505) 325-5449
Farmington, NM 87499

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

Unit E, 1500' FNL, 810' FWL, Sec 01, T30N, R10W

5. Lease Designation and Serial No.

SF-078208

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Sunray 'B' # 4

9. API Well No.

30-045-2076500

10. Field and Pool, or Exploratory

Blanco - Pictured Cliffs

11. County or Parish, State

San Juan County
New Mexico

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.

Synergy Operating, LLC has restored this well to production effective July 12, 2002.

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

Signed:

Thomas E. Mullins

Title: Engineering Manager

Date: 07-25-2002

This space for federal or state office use

Approved by:

Conditions of approval if any

Title:

ACCEPTED FOR RECORD

FARMINGTON FIELD OFFICE
BY

OPERATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Form 3160-6
(June 1990)

RECEIVED

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.

2002 JUL -8 AM 1: 50

070 FARMINGTON, NM

Base Designation and Serial No.

SF-078208

Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

7. If Unit or CA, Agreement Designation

2. Name of Operator

Synergy Operating, LLC

8. Well Name and No.

Sunray 'B' # 4

3. Address and Telephone No.

PO Box 5513 (505) 325-5449
Farmington, NM 87499

9. API Well No.

30-045-2076500

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

Unit E, 1500' FNL, 810' FWL, Sec 01, T30N, R10W

10. Field and Pool, or Exploratory

Blanco - Pictured Cliffs

11. County or Parish, State

San Juan County
New Mexico

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 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.

Synergy Operating, LLC performed the following work to restore production to this well. The well will be returned to production.

06-13-2002 MIRU Slickline Unit and Pump Truck. RIH w/ 2.347" gauge ring, tag @ 1965'. POOH. RIH w/ 1.901" Gauge Ring, tag @ 2332' RIH w/ 1.50" gauge ring, tag @ 3364', below perforations. RIH w/ temperature & pressure recorder to 3335'. POOH taking pressure and temperature gradient. BH pressure at 3335' GL = 109 psi, Temp 116 deg F. Fluid level found at 2668', although the fluid gradient was 0.138 psi/ft, indicating gas cut liquid. A 2.347" gauge ring with 19' of sinker bar was then used to work an obstruction down past the perforations to 3362' GL. A 2-1/2" templetion plug was set at the following depths: 1058', 701', 320', 158', & 64'. The casing would not pressure test. The casing failure is very shallow. Fresh Water was pumped to load the bradenhead, unsuccessfully. RD MO Slickline and pump truck.

06-25-2002 MIRU Key Rig # 38. ND WH. NU BOPE. RIH w/ RBP on 1-1/4" 2.4# EUE production tubing. Set BP @ 3202'. COOH w/ 1-1/4"

See Additional Report Page

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

Signed:

Thomas E. Mullins

Title: Engineering Manager

Date: 07-05-2002

This space for federal or state office use

Approved by:

Conditions of approval if any

Title:

Date: JUL 09 2002

ACCEPTED FOR RECORD

FARMINGTON FIELD OFFICE
BY *umc*

Synergy Operating, LLC
Sunray B # 4
07-05-2002

- 06-26-2002 GIH w/ PKR on 1-1/4" tubing. Set PKR @ 835'. Test Casing 500# good. Move PKR uphole. Locate lowermost failure 223' to 255'. Casing tested below 255' to 500#. Attempt to run GR-CBL log, would not go down hole, fluid level is at 250'+/- RD loggers. RU Wireline Specialties. Run Collar Strip, Attempt Backoff of 2-7/8" production casing. Attempt # 1 @ 348', Attempt # 2 @ 316', Run Freepoint tool, Attempt # 3 @ 284' successful. COOH and laydown 9 jts of 2-7/8" casing. Holes were present, and severe corrosion was evident on this pipe. Pulled 287.36' of casing. GIH w/ 9 Jts 2-7/8" Production Casing. Attempt to screw into fish top. Unsuccessful. Need to build guide shoe.
- 06-27-2002 GIH w/ 5-1/2" guide shoe on 2-7/8" casing. Screw into 2-7/8" Casing, replacing the 9 bad jts. (289.47'). Test Casing. Install WH swedge from 8-5/8" to 7", then install new WH. Land 2-7/8" in 10K Tension. PU retrieving head and GIH on 1-1/4" tubing. Engage, equalize, and recover 2-7/8" RBP. COOH.
- 06-28-2002 Install 1-1/4" tubing head, PU Baker Model C-1 Invertible PKR and GIH on 1-1/4" tubing. Set PKR @ 3294' KB in tension ND BOPE, NU WH.
- 06-29-2002 SITP = 125 psi, Flow test well. Ready to return to production. EPFS will install new meter.

TEM 07-05-2002

