

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

5. Lease Serial No.

SF - 076337

6. If Indian, Allottee or Tribe Name

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

32857

8. Lease Name and Well No
Santa Rosa 29-9-8 #4

9. API Well No.

30-045- 31854

10. Field and Pool, or Exploratory

Basin Fruitland Coal

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 8 T. 29N., R. 9 W.

12. County or Parish

San Juan County

13. State

NM

1a. Type of Work: ☐ Oil Well

☐ REENTER

070 Farmington, NM

1b. Type of Well:

X Gas Well

☐ Other

x Single Zone

☐ Multiple Zone

2. Name of Operator

SG INTERESTS LTD Agent Sagle & Schwab Energy Resources

3a. Address

P. O. Box 2677, Durango, Colorado 81302

3b. Phone No. (include area code)

970 259-2701

4. Location of Well (Report location clearly and in accordance with any State requirements. *)

At surface NVWSE 1525 FSL 1310 FEL Lat. 36° 44'12" Long. 107° 47'51"

At proposed prod. zone same

14. Distance in miles and direction from nearest town or post office*

2 miles northeast of Blanco, NM

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)

1310'

16. No. of Acres in lease

2,449.350

17. Spacing Unit dedicated to this well

320

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.

200 ft to BP Heath WD A #7

19. Proposed Depth

2350'

20. BLM/BIA Bond No. on file

NM 1935 State-wide

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

5644 GL

22. Approximate date work will start*

September 16, 2003

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:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Lynn Garner

Name (Printed/Typed)

Mr. Lynn Garner

Date

August 6, 2003

Title

Operations Manager

Approved by (Signature)

David J. Mankiewicz

Name (Printed/Typed)

Date

AUG 26 2003

Title

Office

Application approval 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.

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)

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

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

NMOCD



District I
PO Box 1980, Hobbs NM 88241-1980
District II
PO Drawer KK, Artesia, NM 87211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045- 31854	² Pool Code 71629	³ Pool Name Basin Fruitland Coal
⁴ Property Code 32857	⁵ Property Name Santa Rosa 8	⁶ Well Number # 4
⁷ OGRID No. 20572	⁸ Operator Name SG INTERESTS I LTD	⁹ Elevation 5644

¹⁰ Surface Location

UL or Lot No. J	Section 8	Township 29 N	Range 9 W	Lot Idn	Feet from the 1525	North/South line SOUTH	Feet from the 1310	East/West line EAST	County SAN JUAN
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¹¹ Bottom Hole Location If Different From Surface

¹² UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
S/2 320									
¹³ Dedicated Acres S/2 320	¹⁴ Joint or Infill Y	¹⁵ Consolidation Code	¹⁶ 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

¹⁶ 255(R) RECEIVED 200 AUG 2 AM 10:40 070 Farmington, NM	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: <i>Lynn Garner</i> Printed Name: Mr. Lynn Garner Title: Operations Manager 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. May 16, 2003 Date of Survey: _____ Signature and Seal of Professional Surveyor: <i>GARY D. VANN</i> 7016 Certificate Number: 7016	

5367(R)

1310'

1525'

2598(R)

2633(R)

2633(R)

SG Interests I, Ltd.
(Agent: Sagle & Schwab Energy Resources)
PO Box 2677
Durango, CO 81302
(970) 259-2701

Santa Rosa 29-9-8 #4
NWSE Sec 8-T29N-R9W
1525' FSL & 1310' FEL
San Juan County, New Mexico

EIGHT POINT DRILLING PROGRAM

1. Estimated Formation Tops (in measured depth, same as true vertical depth):

Ojo Alamo	900'
Kirkland	1050'
Fruitland Coal	1900'
Pictured Cliffs	2200
Total Depth	2350'

2. Estimated Depth of Anticipated Minerals:
Fruitland (Gas) 2050'

3. Minimum Specifications for Pressure Control Equipment:

BOP equipment and accessories will meet or exceed BLM requirements outlined in 43 CFR Part 3160.

A 3000 psig double ram hydraulic BOP will be used (see attached diagram). Since maximum anticipated formation pressure is 1200 psig, accessories to the BOP will meet BLM requirements for a 2000 psig system (exhibit 1). The accumulator system capacity will be sufficient to close all BOPE with a 50% safety factor. Fill line, kill line and line to choke manifold will be 2". BOP's will be function tested every 24 hours and will be recorded on IADC log.

BOPE/Surface casing will be tested to 1500 psig for 30 minutes.

Eight Point Drilling Program - Santa Rosa 29-9-8 #4

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Accessories to BOPE will include upper and lower Kelly cocks with handles, stabbing valve to fit drill pipe on floor at all times, string float at bit, 3000 psig choke manifold with 2" adjustable and 2" positive chokes, and pressure gauge.

4. Casing and Cementing Program:

<u>Hole Size</u>	<u>Interval</u>	<u>Csg Size</u>	<u>Wt, Grd, Jt</u>
12-1/4"	0-300'	8-5/8"	24#, J-55, STC
7-7/8"	300-2350'	5-1/2"	17#, J-55, LTC

Surface Casing will be cemented with 210 sx (248 cu ft) class B w/3% CaCl and 1/4#/sx of celloflake (Yield = 1.18 cuft/sx, Weight = 15.6 #/gal). Cement volumes include 100 % excess; will circulate cement to surface. A guide shoe, insert float and three (3) centralizers will be used. WOC time is 8 hours. The casing will be pressure tested to 1500 psig.

Production Casing: Lead cement will be 185sx 65/35 poz with 6% gel, 2% CaCl and 1/4#/sx celloflake (Yield = 1.92 cuft/sx, Weight = 12.6#/gal). Tail cement will be 165 sx Class B containing 2% CaCl and 1/4#/sx celloflake (Yield = 1.18 cuft/sx, Weight = 15.6 #/gal). Total cement = 545 cuft. Cement volume includes 50 % excess; will circulate cement to surface. In the event cement is not circulated a temperature survey will be run to determine the actual cement top, as required. Cementing equipment will include a guide shoe, float collar and 10 centralizers. Class G or H cement may be used depending on availability of Class B.

5. Mud Program:

A native water based mud system (FW) will be used initially followed by a low-solids, non-dispersed gel system (LSND) to condition the hole for logs. Adequate amounts of lost circulation and weighting material will be on location if needed as well as sorbitive agents to handle potential spills of fuel or lubricants.

<u>Depth</u>	<u>Type</u>	<u>Wt (ppg)</u>	<u>Vis (sec)</u>	<u>Wtr loss</u>
0-300'	FW	± 8.5	30-33	NC
300'-TD	LSND	± 8.7-9.5	30-50	8-10 cc