

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

2005 DEC 1 AM 8:58

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

APPLICATION FOR PERMIT TO DRILL OR REENTER

RECEIVED

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NM-099732
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 SG Interests I, LTD c/o NIKA Energy Operating		7. If Unit or CA Agreement, Name and No. Federal 21-6-29
3a. Address P.O. Box 2677 Durango, CO 81302	3b. Phone No. (include area code) (970) 259-2701	8. Lease Name and Well No. 4
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface 660' FSL & 1980' FEL At proposed prod. zone		9. API Well No. 30-043-21004
14. Distance in miles and direction from nearest town or post office* approximately 14 miles southeast of Lybrook, New Mexico		10. Field and Pool, or Exploratory Basin Fruitland Coal
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 660'	16. No. of Acres in lease 2,361.92	11. Sec., T., R., M., or Blk. and Survey or Area 0 Section 29, T21N, 6W
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. See attached map	19. Proposed Depth 960'	12. County or Parish Sandoval
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6,782 GR	22. Approximate date work will start* as soon as permitted	13. State NM
23. Estimated duration 1 month		
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 	Name (Printed/Typed) William Schwab III	Date 11/14/05
Title President NIKA Energy Operating/ Agent for SG Interests I, LTD		
Approved by (Signature) 	Name (Printed/Typed)	Date 3/7/06
Title AFM	Office FFO	

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)

SG Interests I, LTD. proposes to drill a well to develop the Basin Fruitland Coal formation at the above described location in accordance with the attached drilling and surface use plans.

The surface is under jurisdiction of the Bureau of Land Management, Farmington Field Office.

This location has been archaeologically surveyed by Aztec Archaeological Consultants. Copies of their report have been submitted directly to the BLM.

DRILLING OPERATIONS AUTHORIZED ARE
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
1625 N. French Dr., Hobbs, NM 88240
District II
1381 W. Grand Avenue, Artesia, NM 88210
District III
1080 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

2005 DEC 1 AM 8 58

RECEIVED

Form C-102
Revised June 10, 2003
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-043-21004	Pool Code 71629	Pool Name Basin Fruitland coal
Property Code 35513	Property Name FEDERAL 21-6-29	Well Number 4
UGRID No. 20572	Operator Name SG INTERESTS I, LTD.	Elevation 6782'

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
0	29	21N	6W		660	SOUTH	1980	EAST	SANDOVAL

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

Dedicated Acres 320 E/2	Joint or Infill	Consolidation Code	Order No.
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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 80.51 ch. N 07°10' E 29 LAT. 36.01621° N LONG. 107.49080° W 1980' N 89°18' W 660' 79.62 ch.	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature William Schwab Printed Name Agent For SG Interests Title and E-mail Address 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. Date of Survey October 29, 2005 Signature and Seal of Professional Surveyor WILLIAM E. MAHNKE II Certificate Number 8466

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., 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-103
May 27, 2004

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO.
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/> FED <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. Federal NMNM 099732
7. Lease Name or Unit Agreement Name Federal 21-6-9
8. Well Number #4
9. OGRID Number
10. Pool name or Wildcat Basin Fruitland Coal

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	
2. Name of Operator SG Interests I, Ltd	
3. Address of Operator C/O Nika Energy Operating, PO Box 2677, Durango, CO, 81303	
4. Well Location Unit Letter Q: 660 feet from the South line and 1980 feet from the East line Section 29 Township 21N Range 6W NMPM County McKinley	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6,782'	
Pit or Below-grade Tank Application <input checked="" type="checkbox"/> or Closure <input type="checkbox"/>	
Pit type Drilling Depth to Groundwater ? Distance from nearest fresh water well >1,000 ft Distance from nearest surface water >500 ft	
Pit Liner Thickness: 12 mil Below-Grade Tank: Volume 1000 Bbls; Construction Material Synthetic	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: Pit Application ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.


Drilling/Completion pit to be located approximately 15 feet from well head. Pit multi-use drilling and completion to avoid additional site disturbance and pit will be considered out of service once production tubing set. Pit to be 75 feet long by 15 feet wide by 10 feet deep. Pit to be constructed, operated and closed in accordance with NMOCD guidelines and SGI procedures

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

SIGNATURE  TITLE Agent for SG Interests, Ltd. DATE

Type or print name William Schwab III E-mail address: tripp@nikaenergy.com Telephone No. 970-259-2701

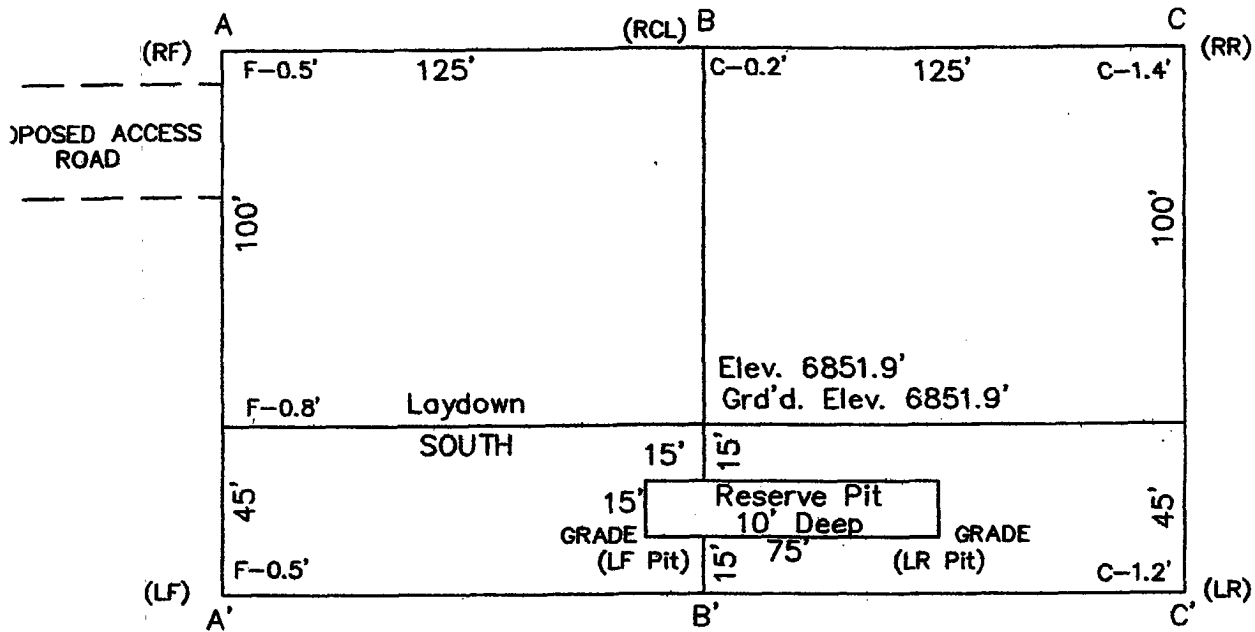
For State Use Only

APPROVED BY:  TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 4 DATE MAR 07 2006
Conditions of Approval (if any):

SG INTERESTS I, LTD.

FEDERAL 21-6-30 #4

1980' FSL, 660' FEL SECTION 30, T21N, R6W, NMPM
SANDOVAL COUNTY, N.M.



Scale: 1"=50'



A-A' Vert.: 1"=20' Horiz.: 1"=50' C/L

6850'						
6840'						

B-B'

6850'						
6840'						

C-C'

6850'						
6840'						

SG Interests I, Ltd.
(Agent: Nika Energy Operating, LLC)
PO Box 2677
Durango, CO 81302
(970) 259-2701

Federal 21-6-29 #4
SESE Sec 29-21N-R6W
660' FSL & 1980' FEL
Sandoval County, New Mexico

EIGHT POINT DRILLING PROGRAM

1. Estimated Formation Tops:

Ojo Alamo	250'
Kirtland	400'
Fruitland	590'
Coal Top	785'
PC	810'
Total Depth	960'

2. Estimated Depth of Anticipated Minerals:

Fruitland (Gas)	590'
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3. Minimum Specifications for Pressure Control Equipment:

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

A 2000 psig double ram hydraulic BOP will be used (see attached diagram). Accessories to the BOP will meet BLM requirements for a 2000 psig system. 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.

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

Eight Point Drilling Program - Federal 21-6-29 #4

Page 2

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, 2000 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"	0-150'	7"	20#, J-55, STC
6-1/4"	0-760'	4-1/2"	10.5#, J-55, STC

Surface Casing will be cemented with 140 sx (165 cu ft) class B w/2% CaCl and 1/4#/sx of celloflake (Yield = 1.18 cuft/sx, Weight = 15.6 #/gal). Cement volumes include excess to 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 will be cemented with 100 sx (118 cu ft) class B w/2% CaCl and 1/4#/sx celloflake (Yield = 1.18 cuft/sx, Weight = 15.6 #/gal). Cement volume includes excess to circulate cement to surface. In the event cement is not circulated a temperature survey will be run to determine the actual cement top. Cementing equipment will include a guide shoe, float collar and 7 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) as needed 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>
0-150'	FW	± 8.5	30-33	NC

150'-TD FW & LSND \pm 8.7-9.1 30-50 8-10 cc

Eight Point Drilling Program - Federal 21-6-29 #4
Page 3

6. Testing, Coring and Logging Program:

No DST's or cores are planned. Openhole logs will include GR, Induction, Density and Caliper Logs. The GR-Density logs will be run from TD to the top of the Fruitland formation. GR-Induction-Caliper logs will be run from TD to the bottom of the surface casing.

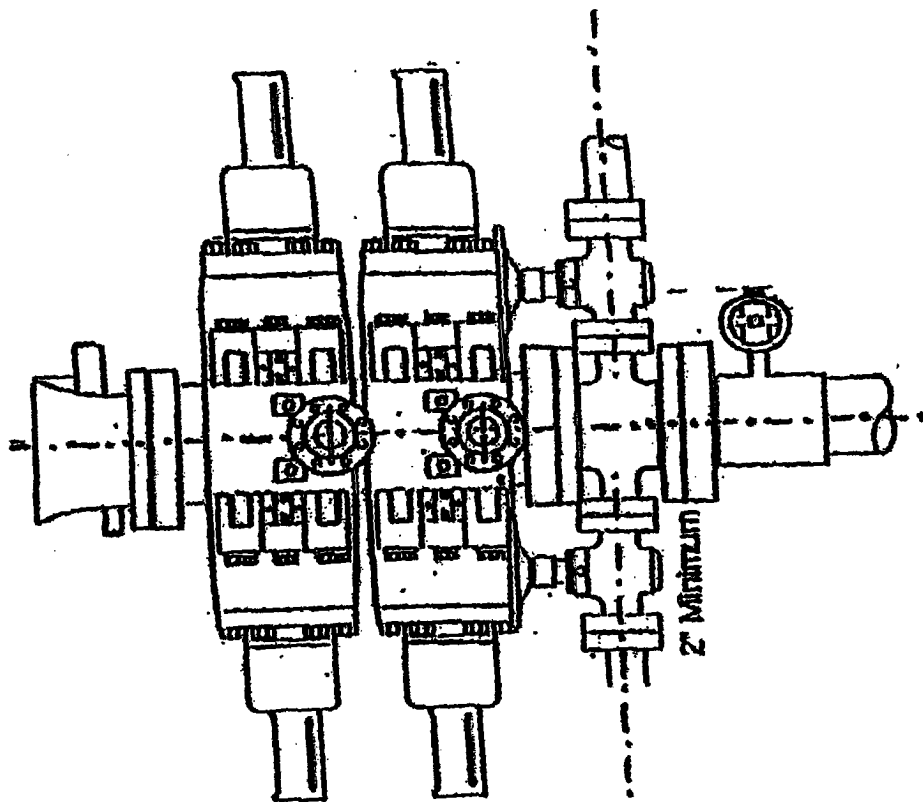
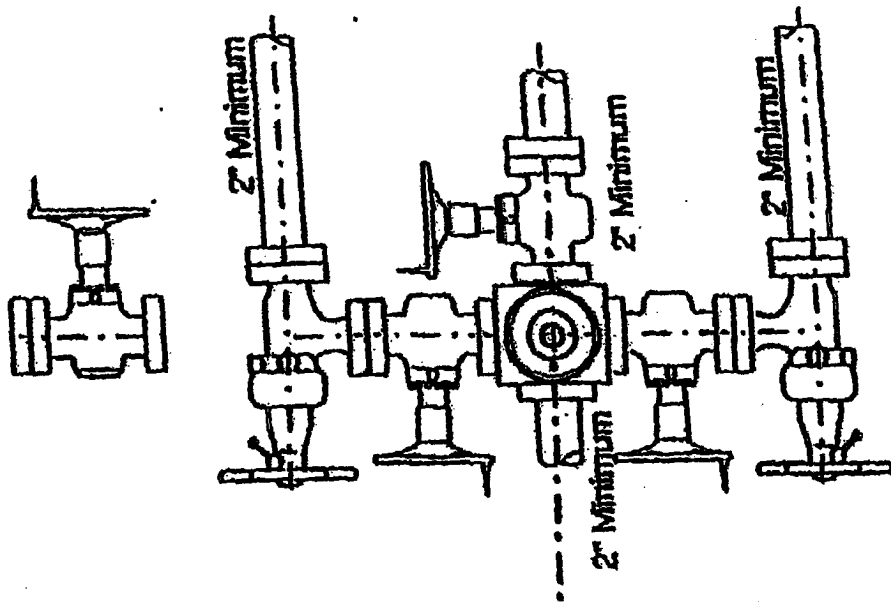
7. Anticipated Abnormal Pressures and Temperatures:

No abnormal pressures or temperatures are expected in this well. Maximum anticipated Fruitland reservoir pressure is 300 psig with a normal temperature gradient.

8. Operations:

Anticipated spud date is November 2005 or as soon as permits are received and work can be scheduled. Estimated drilling time is 4 - 5 days. The Fruitland will be completed as a cased hole completion, perforated and hydraulically fracture stimulated. Completion operations are expected to take 5 - 7 days and will commence as soon after completion of drilling operations and scheduling allow.

Blow Out Preventer (BOP) Exhibit #1



2-M SYSTEM