

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division
811 S. 1st St.
Artesia, NM 87210-2834

FORM APPROVED
Budget Bureau No. 1004-0135
Expires July 31, 1996

C/SF

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. NM-76919
2. Name of Operator Santa Fe Energy Resources, Inc.		6. If Indian, Allottee or Tribe Name
3a. Address 550 W. Texas, Suite 1330, Midland, TX 79701	3b. Phone No. (include area code) 915-686-6612	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) (B), 660' FNL and 1680' FEL, Sec. 14, T-21S, R-23E		8. Well Name and No. Roaring Springs "14" Fed Com #2
Proposed BHL: (D), 660' FNL and 660' FWL, Sec. 14, T-21S, R23E		9. API Well No. 30-015-28185
		10. Field and Pool, or Exploratory Area Dagger Draw, South (Upper Penn)
		11. County or Parish, State Eddy NM

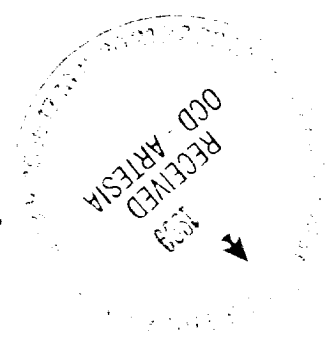
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input checked="" type="checkbox"/> Other <u>Drill horizontal</u>
			<u>lateral</u>

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Santa Fe Energy Resources, Inc. respectfully requests permission to drill one horizontal lateral from the existing well bore. The lateral will be drilled into the existing producing Cisco-Canyon interval as per the attached directional plan.

**SUBJECT TO
LIKE APPROVAL
BY STATE**



14. I hereby certify that the foregoing is true and correct Name (Printed/Typed) Terry McCullough		Title Sr. Production Clerk
		Date May 14, 1999
THIS SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by (ORIG. SGD.) DAVID R. GLASS	Title PETROLEUM ENGINEER	Date MAY 28 1999
Conditions of approval, if any, are attached. Approval of this notice 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.		

DISTRICT I
P. O. Box 1980
Hobbs, NM 88241-1980

State of New Mexico
Energy, Minerals, and Natural Resources Department

Form C-102
Revised 02-10-94

Instructions on back

DISTRICT II
P. O. Drawer DD
Artesia, NM 88211-0719

OIL CONSERVATION DIVISION
P. O. Box 2088
Santa Fe, New Mexico 87504-2088

Submit to the Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

DISTRICT III
1000 Rio Brazos Rd.
Aztec, NM 87410

☒ AMENDED REPORT

DISTRICT IV
P. O. Box 2088
Santa Fe, NM 87507-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-28185	2 Pool Code 15475	3 Pool Name Dagger Draw, So. (Upper Penn)
4 Property Code B	5 Property Name ROARING SPRINGS '14' FED. COM.	6 Well Number 2
7 OGRID No.	8 Operator Name SANTA FE ENERGY RESOURCES, INC.	9 Elevation 3801'

10 SURFACE LOCATION

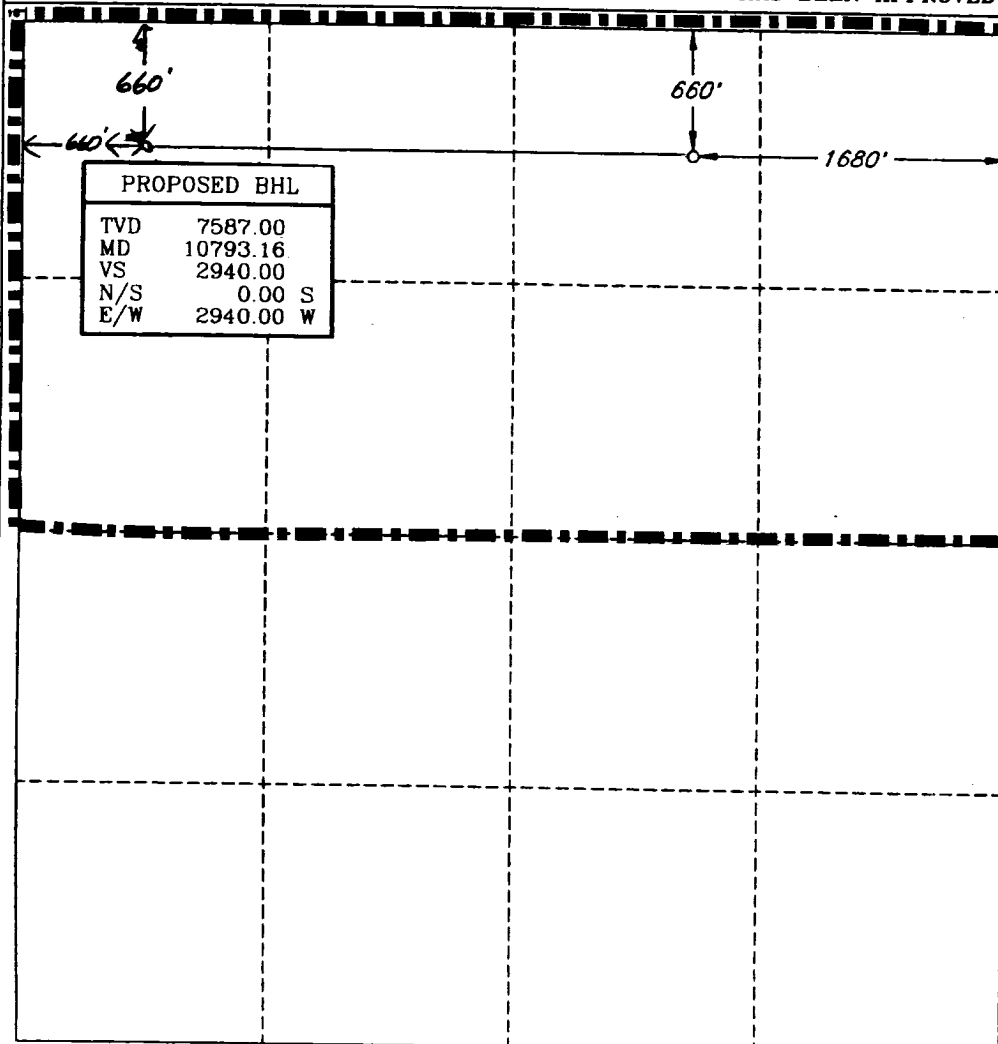
UL or lot no. B	Section 14	Township 21 SOUTH	Range 23 EAST, N.M.P.M.	Lot Ida	Feet from the 660'	North/South line NORTH	Feet from the 1680'	East/West line EAST	County EDDY
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"BOTTOM HOLE LOCATION IF DIFFERENT FROM SURFACE

UL or lot no. D	Section 14	Township 21 South	Range 23 EAST, N.M.P.M.	Lot Ida	Feet from the 660	North/South line North	Feet from the 660	East/West line West	County EDDY
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12 Dedicated Acres 320	13 Joint or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WELL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN
CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify that the information
contained herein is true and complete
to the best of my knowledge and belief.

Signature
Michael R. Burton
Printed Name
MICHAEL R. BURTON
Title
DIVISION MANAGER-DRILLING
Date
5/14/1999

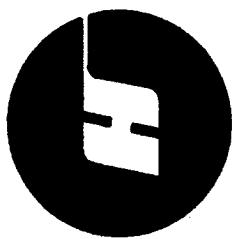
SURVEYOR CERTIFICATION

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 24, 1994

Signature and Seal of
Professional Surveyor
V. L. BEZNER
STATE OF NEW MEXICO
V. L. BEZNER
NO. 7920
V. L. BEZNER SR. P.S. #7920

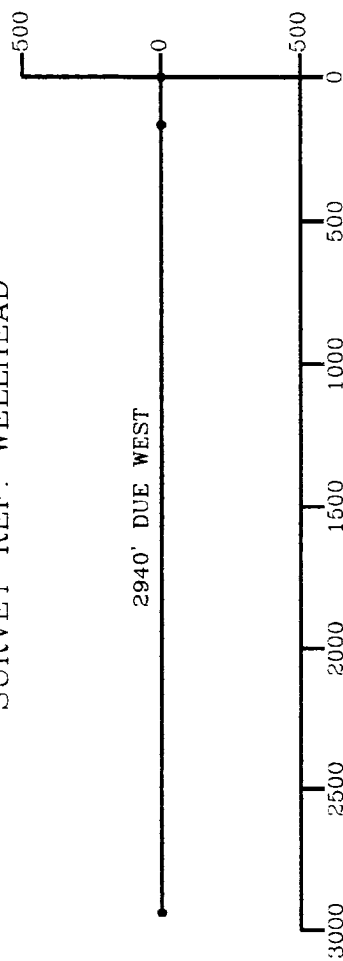
SANTA FE ENERGY RESOURCES, INC.
 ROARING SPRINGS #14-2
 SECTION 14, T-21-S, R-23-E
 EDDY COUNTY, NEW MEXICO
 PRELIMINARY WELLPLAN



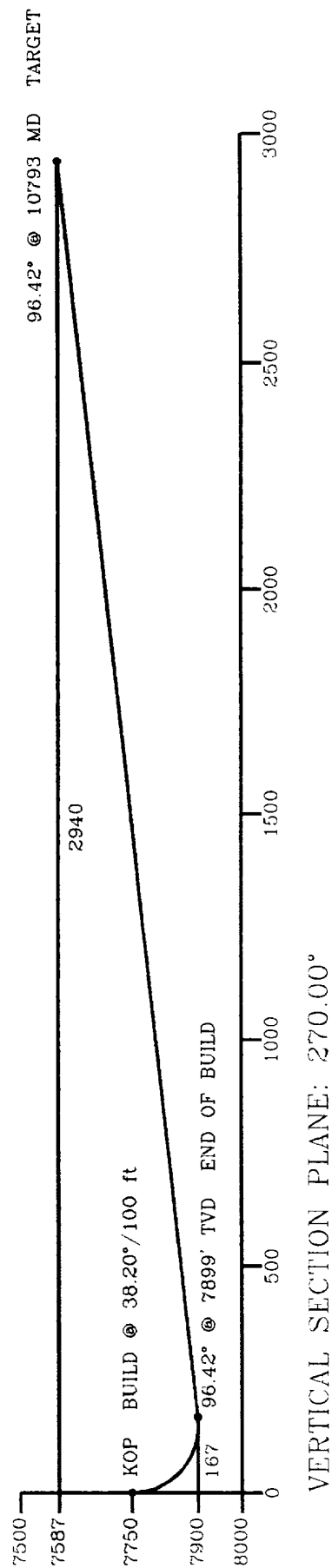
HALLIBURTON
 ENERGY SERVICES
 sperry-sun

PROPOSED BHL	
TVD	7587.00
MD	10793.16
VS	2940.00
N/S	0.00 S
E/W	2940.00 W

HORIZONTAL VIEW
 SCALE 500 ft. / DIVISION
 SURVEY REF: WELLHEAD



VERTICAL VIEW
 SCALE 500 ft. / DIVISION
 TVD REF: KB
 VERTICAL SECTION REF: WELLHEAD



Proposal Report

Date: 5/12/99

Time: 11:49 am

Wellpath ID: PRELIMINARY WELLPLAN

Last Revision: 5/12/99

Calculated using the Minimum Curvature Method

Computed using PDS VER2.2.6

Vertical Section Plane: 270.00 deg.

Survey Reference: WELLHEAD

Offset, Referenced to WellHead: (ft.): 0.00 N 0.00 E 0.00 TVD

Vertical Section Reference: WELLHEAD

Closure Reference: WELLHEAD

TVD Reference: KB

SANTA FE ENERGY RESOURCES, INC.

ROARING SPRINGS #14-2

SECTION 14, T-21-S, R-23-E

EDDY COUNTY, NEW MEXICO

PRELIMINARY WELLPLAN

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	T O T A L Rectangular Offsets ' (ft) (ft)		DLS (dg/100ft)
KOP BUILD @ 38.20 deg/100 ft								
7750.00	0.00	0.00	0.00	7750.00	0.00	0.00 N	0.00 E	0.00
7850.00	38.20	270.00	100.00	7842.76	32.12	0.00 S	32.12W	38.20
7950.00	76.39	270.00	100.00	7895.79	114.71	0.00 S	114.71W	38.20
7985.62	90.00	270.00	35.62	7900.00	150.00	0.00 S	150.00W	38.20
END OF BUILD								
8002.44	96.42	270.00	16.82	7899.06	166.78	0.00 S	166.78W	38.20
TARGET								
10793.16	96.42	270.00	2790.72	7587.00	2940.00	0.00 S	2940.00W	0.00