

## N. M. Oil Cons. Division

Form 3160-3  
(July 1992)

811 S 1ST ST

ARTESIA, NM 88211-0245

UNITED STATES

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTSUBMIT IN TRIPLI  
(Other Instructions on  
reverse side)FORM APPROVED  
OMB NO. 1004-0136  
Expires: February 28, 1995

## APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐OTHER ☐SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

The Wiser Oil Company (22922)

3. ADDRESS AND TELEPHONE NO.

c/o J. O. Easley, Inc., P. O. Box 245, Artesia, NM 88211-0245 (505) 746-1070

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At Surface 2625' FNL &amp; 10' FWL, Unit E

At proposed prod. Zone 2625' FNL &amp; 10' FWL, Unit E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

6.5 miles east of Loco Hills, New Mexico

15. DISTANCE FROM PROPOSED  
LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drilg. unit line, if any)

10'

18. DISTANCE FROM PROPOSED LOCATION \*

TO NEAREST WELL, DRILLING, COMPLETED  
OR APPLIED FOR, ON THIS LEASE, FT.

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3761'

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8" 8RD X-42	20#	425' 350'	Circulate to <del>WITNESS</del>
7 7/8"	5 1/2" J-55	17#	4800'	Circulate

Duration of Program: Drilling - Nine (9) days  
Completion - Thirty (30) days  
See attached for complete Drilling Program

## EXHIBITS

Exhibit "A": Drilling Program

Exhibit "D": Land Survey Plat

Exhibit "B": H<sub>2</sub>S Plan

Exhibit "E": Vicinity Plat

Exhibit "C": Surface Use Plan

Exhibit "F": Existing Well Plat

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Michael R. Burch, CPL

TITLE Agent for The Wiser Oil Company

DATE 5-29-97

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

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:

APPROVED BY

(Orig. SGD.) ARMANDO A. LOPEZ

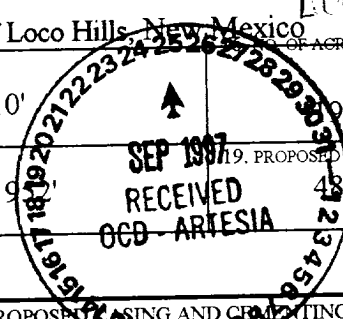
TITLE

ADM, MINERALS

DATE

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes 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.

SUBJECT TO  
LIKE APPROVAL  
BY STATE FOR  
UNORTHODOX  
LOCATIONRECEIVED  
SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHEDBLM  
ROSWELL, NMExhibit "G": Rig Layout  
Exhibit "H": BOP Layout

SEP 24 1997

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 re-entry to a different reservoir.  
Use "APPLICATION FOR PERMIT - " for such proposals.

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

The Wiser Oil Company (22922)

3. Address and Telephone No.

c/o J. O. Easley, Inc., P. O. Box 245, Artesia, New Mexico 88211-0245 (505) 746-1070

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

Old Location: 2625' FNL, 10' FWL, Unit E, Sec. 28, T17S-R31E

**New Location: Surface: 2625' FNL, 230' FWL, Unit E, Sec. 28, T17S-R31E**

**Bottom Hole: 2625' FNL, 10' FWL, Unit E, Sec. 28, T17S-R31E**

5. Lease Designation and Serial No.

LC-029420-B

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

Skelly Unit

8. Well Name and No. Skelly Turner B #3

**New Name: Skelly Unit 402**

9. API Well No.

30-015-

10. Field and Pool, or Exploratory Area

Grayburg Jackson 7-Rivers-QN-GB-SA(28509)

11. County or Parish, State

Eddy 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 any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

This sundry notice is filed to change the name of the well from the Skelly Turner "B" #3 to the Skelly Unit #402 and to change the surface location to 2625' FNL, 230' FWL, Unit E, Sec. 28, T17S-R31E. This will be a directionally drilled well with the bottom hole location @ 2625' FNL, 10' FWL, Unit E, Sec. 28, T17S-R31E. Concurrently with this sundry notice, an application for administrative approval to drill a directional well is being submitted to the OCD in Santa Fe, NM.

RECEIVED  
1997 AUG - 7 A 10: 27  
BUREAU OF LAND MGMT  
ROSWELL OFFICE

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

SIGNED Michael R. Burch TITLE Agent for The Wiser Oil Company

DATE 8-4-97

Michael R. Burch, CPL

(This space for Federal or State office use)

APPROVED BY (ORIG. SGD.) ARMANDO A. LOPEZ TITLE ADM, MINERALS  
CONDITIONS OF APPROVAL, IF ANY:

DATE SEP 24 1997

Title 18 U.S.C. Section 1001, makes 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.

\*See Instruction On Reverse Side

BOP & CHOKE MANIFOLD

12"/900 Cameron SS Space Saver  
3000# Working Pressure  
3000# Working Pressure Choke Manifold

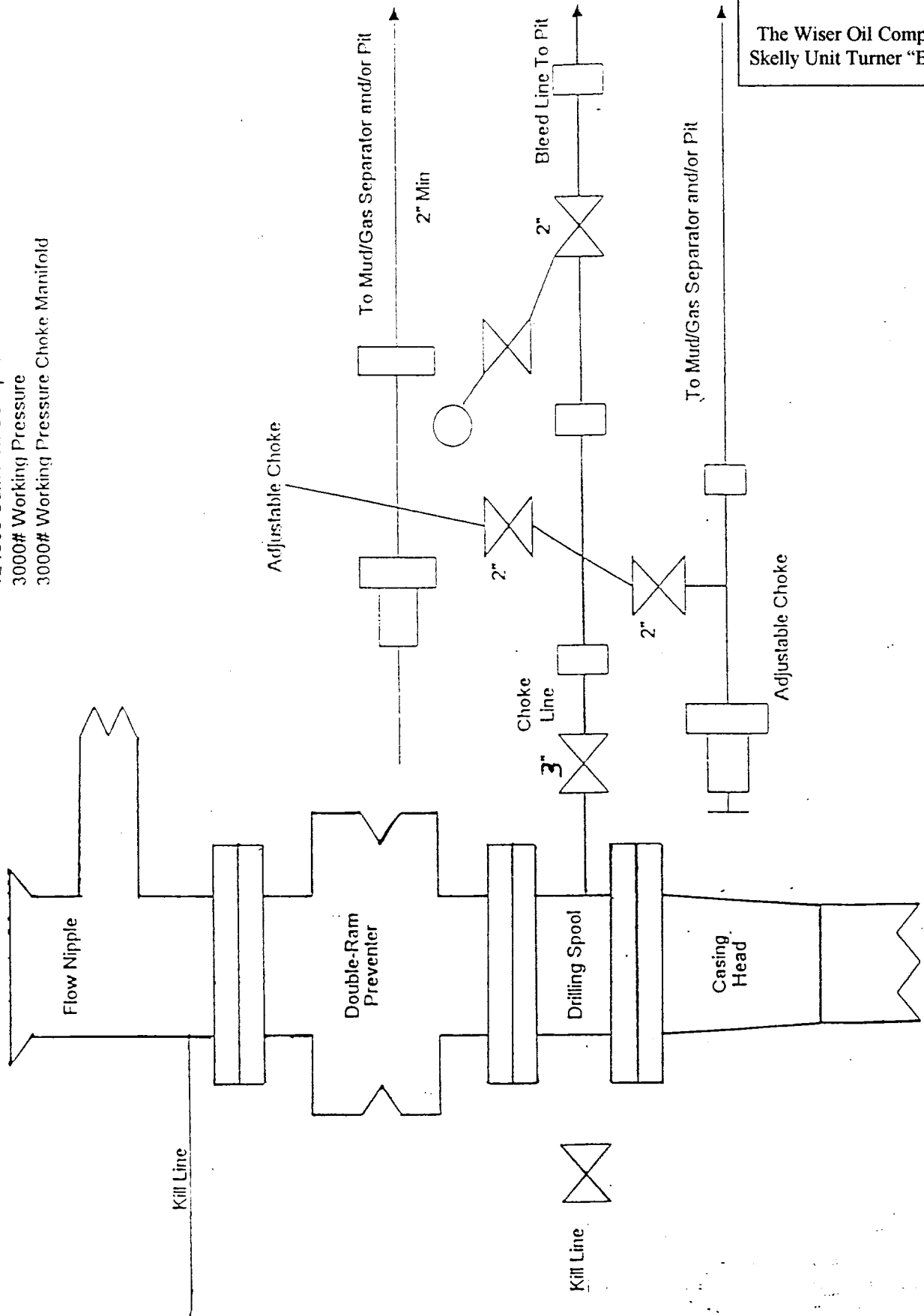


EXHIBIT "H"

BOP LAYOUT

The Wiser Oil Company  
Skelly Unit Turner "B" #3

**DIRECTIONAL WELL  
PROPOSAL**

**THE WISER OIL COMPANY**  
**SKELLY UNIT #402**  
**SEC. 28, T-17-S, R-31-E**  
**EDDY COUNTY, NEW MEXICO**

**PREPARED FOR: MR. MATT EAGLESTON**

**PREPARED BY: RICK EATON**  
**DIRECTIONAL COORDINATOR**

**JULY 25, 1997**



*The Future Is Working Together.*

EXHIBIT "A"  
Skelly Turner "B" #3

DRILLING PROGRAM

I. The geological surface formation is recent Permian with quaternary alluvium and other surficial deposits.

II. Estimated Tops of Geological Markers:

<u>FORMATION</u>	<u>DEPTH</u>
Rustler Anhydrite	540'
Top of Salt	670'
Base of Salt	1570'
Queen	2650'
Grayburg	3050'
San Andres	3430'
TD	4800'

III. Estimated depths at which water, oil, gas, or other mineral-bearing formations are expected to be encountered:

<u>SUBSTANCE</u>	<u>DEPTH</u>
Fresh Water	There is little, if any, in this section
Oil	Fren 7-Rivers; Grayburg and San Andres below 3200'
Gas	None anticipated

IV. A. Proposed Casing Program:

<u>HOLE SIZE</u>	<u>CASING SIZE</u>	<u>GRADE</u>	<u>WEIGHT PER FOOT</u>	<u>DEPTH</u>
12 1/4"	8 5/8"	New 8RD X-42	20#	350'
7 7/8"	5 1/2"	New 8RD LT&C J-55	17#	4800'

B. Proposed Cement Program:

8 5/8" Cmt w/ 300 sx Class "C" cmt w/2% CaCl. Circulate to surface.

5 1/2" Cmt w/ 700 sx Halliburton Lite w/1/4# Flocele, 325 sx Premium Plus w/.5% Halad-9, & 325 sx Premium Plus w/.5% Halad-344 w/3% KCl. Circulate.

The top of cement is designed to reach 100' above 8 5/8" casing shoe.

V. Proposed Mud Program:

The well will be drilled to total depth using brine & fresh water. Depths of systems are as follows:

<u>INTERVAL</u>	<u>MUD TYPE</u>	<u>MUD WT.</u>	<u>VISCOSITY</u>
0-400'	Fresh Water	8.8 ppg	30
400'-TD	Brine Water	9.5-10.5 ppg	28

VI. Proposed Control Equipment:

Will install on the 8 5/8" surface casing a 10" Series 900 Type "E" Shaffer Double Hydraulic BOP and will test before drilling in the Queen formation. BOP working pressure: 3000 psi. See Exhibit "H" for BOP layout.

VII. Auxiliary Equipment:

Blowout preventor, gas detector, kelly cock, pit level monitor, flow sensors, and stabbing valve.

VIII A. Testing Program:

Drill Stem Tests: None planned

B. Logging Program:

<u>LOG</u>	<u>Interval</u>
GR-DLL-MSFL-Cal	T.D. - 2,300'
GR-CNL-CDL-Cal	T.D. - Surface

C. Coring Program

None planned

- IX No abnormal pressures or temperatures are anticipated. In the event abnormal pressures are encountered, the proposed mud program will be modified to increase the mud weight. The estimated maximum bottom hole pressure is 1980 psi.



HALLIBURTON ENERGY SERVICES

2822 1-20 West / Odessa, Texas 79763 / Tel: 915-580-0014

July 25, 1997

**THE WISER OIL COMPANY**

Mr. Matt Eagleston  
8115 Preston Rd. Suite 400  
Dallas, Texas 75225

Dear Matt,

We appreciate the opportunity to present the following Directional Well Plan and Cost Estimate for the Skelly Unit #402 in Eddy County, New Mexico. Our full service capability, coupled with our experience, provides us with the tools and people required to effectively and economically control your wellbore.

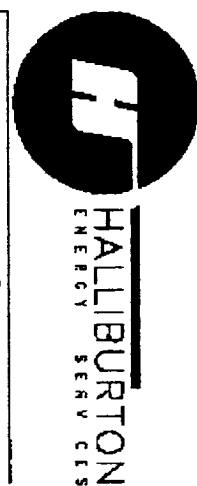
Please review this information. If you have any changes or questions, please call me at (915) 580-0014. We are looking forward to working with you on this project.

Sincerely,

Rick Eaton



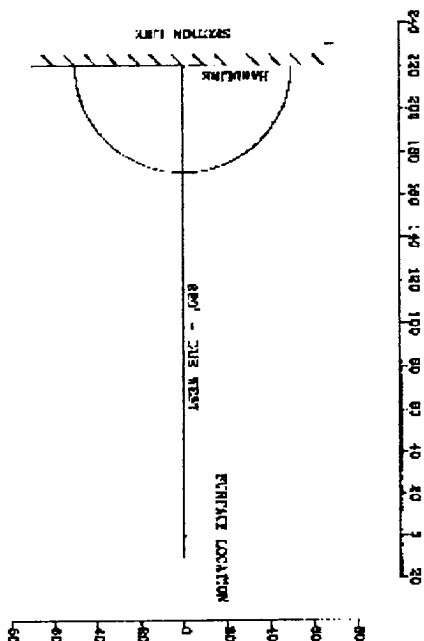
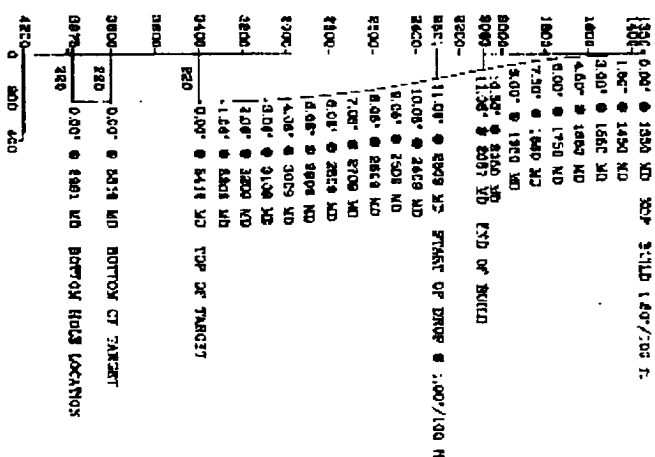
THE WISER OIL COMPANY  
SKELLY UNIT #402  
SEC. 28, T17S, R31E  
EDDY COUNTY, NEW MEXICO  
DIRECTIONAL PROPOSAL



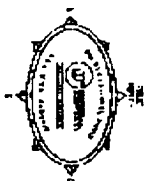
DRILLING SYSTEMS

VERTICAL VIEW  
SCALE 200 FT. / DIVISION  
TVD REF: KE  
VERTICAL SECTION REF: WELHEAD

HORIZONTAL VIEW  
SCALE 20 FT. / DIVISION  
SURVEY REF: WELHEAD



VERTICAL SECTION PLANE: N 90.00 W



PROPOSED BHT	PROPOSED BHT
TVD	2876.00
MD	2876.00
WGS	2876.00
WGS	2876.00
WGS	2876.00
WGS	2876.00

**HALLIBURTON DRILLING SYSTEMS**

Page 1

**Proposal Report**

Date: 7/24/97

Time: 4:38 pm

Wellpath ID: DIRECTIONAL PROPOSAL

Last Revision: 7/24/97

*Calculated using the Minimum Curvature Method**Computed using WIN-CADDS REV2.2.2*

Vertical Section Plane: N 90.00 W

Survey Reference: WELLHEAD

Offset, Reference To Wellhead: (ft): 0.00 N 0.00 E 0.00 TVD

Vertical Section Reference: WELLHEAD

Closure Reference: WELLHEAD

TVD Reference: KB

THE WISER OIL COMPANY  
 SKELLY UNIT #402  
 SEC. 28, T17S, R31E  
 EDDY COUNTY, NEW MEXICO  
 DIRECTIONAL PROPOSAL

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	TOTAL Rectangular Offsets (ft)		DLS (dg/100ft)	Vertical Section (ft)
KOP / START OF BUILD @ 1.50 deg/100 ft								
1350.00	0.00	N 0.00 E	0.00	1350.00	0.00 N	0.00 E	0.00	0.00
1450.00	1.50	N 90.00 W	100.00	1449.99	0.00 S	1.31W	1.50	1.31
1550.00	3.00	N 90.00 W	100.00	1549.91	0.00 S	5.23W	1.50	5.23
1650.00	4.50	N 90.00 W	100.00	1649.69	0.00 S	11.77W	1.50	11.77
1750.00	6.00	N 90.00 W	100.00	1749.27	0.00 S	20.92W	1.50	20.92
1850.00	7.50	N 90.00 W	100.00	1848.57	0.00 S	32.68W	1.50	32.68
1950.00	9.00	N 90.00 W	100.00	1947.54	0.00 S	47.03W	1.50	47.03
2050.00	10.50	N 90.00 W	100.00	2046.09	0.00 S	63.96W	1.50	63.96
END OF BUILD								
2087.49	11.06	N 90.00 W	37.49	2082.92	0.00 S	70.97W	1.50	70.97
START OF CURVE @ 1.00 deg/100 ft								
2309.32	11.06	N 90.00 W	221.83	2300.63	0.00 S	113.54W	0.00	113.54
2409.32	10.06	N 90.00 W	100.00	2398.93	0.00 S	131.87W	1.00	131.87
2509.32	9.06	N 90.00 W	100.00	2497.54	0.00 S	148.48W	1.00	148.48
2609.32	8.06	N 90.00 W	100.00	2596.42	0.00 S	163.37W	1.00	163.37
2709.32	7.06	N 90.00 W	100.00	2695.55	0.00 S	176.53W	1.00	176.53
2809.32	6.06	N 90.00 W	100.00	2794.90	0.00 S	187.96W	1.00	187.96
2909.32	5.06	N 90.00 W	100.00	2894.42	0.00 S	197.65W	1.00	197.65
3009.32	4.06	N 90.00 W	100.00	2994.11	0.00 S	205.60W	1.00	205.60
3109.32	3.06	N 90.00 W	100.00	3093.91	0.00 S	211.82W	1.00	211.82
3209.32	2.06	N 90.00 W	100.00	3193.81	0.00 S	216.29W	1.00	216.29
3309.32	1.06	N 90.00 W	100.00	3293.77	0.00 S	219.82W	1.00	219.82
3409.32	0.06	N 90.00 W	100.00	3393.77	0.00 S	220.00W	1.00	220.00

**HALLIBURTON DRILLING SYSTEMS**

Page 2

Date: 7/24/97

**Proposal Report Wellpath ID: DIRECTIONAL PROPOSAL**

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	TOTAL Rectangular Offsets (ft)		DLS (dg/100ft)	Vertical Section (ft)
<b>TOP OF TARGET</b>								
3415.56	0.00	N 0.00 E	6.23	3400.00	0.00 S	220.00W	1.00	220.00
<b>BOTTOM OF TARGET</b>								
3815.56	0.00	N 0.00 E	400.00	3800.00	0.00 S	220.00W	0.00	220.00
<b>BOTTOM HOLE LOCATION</b>								
3990.56	0.00	N 0.00 E	175.00	3975.00	0.00 S	220.00W	0.00	220.00