

Submit 3 Copies
to Appropriate
District Office

State of New Mexico
Energy Minerals and Natural Resources Department

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

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

WELL API NO.	30-025-08491
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil & Gas Lease No.	E-5898-1
7. Lease Name or Unit Agreement Name	
Bell Lake Unit 1	
8. Well No.	4
9. Pool name or Wildcat	Bell Lake Atoka So. (Gas)
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	
3615' DF	

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 ☐ GAS WELL ☒ OTHER	2. Name of Operator Kaiser-Francis Oil Company
3. Address of Operator P. O. Box 21468, Tulsa, OK 74121-1468	4. Well Location Unit Letter <u>F</u> : <u>1980</u> Feet From The <u>North</u> Line and <u>1980</u> Feet From The <u>West</u> Line Section <u>6</u> Township <u>24S</u> Range <u>34E</u> NMPM <u>Lea</u> County
11. 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 ☐
OTHER: Cut window & sidetrack wellbore ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: ☐

12. 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.

See attached proposal.

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

SIGNATURE Charlotte Van Valkenburg TITLE Technical Coordinator DATE 12/6/96
TYPE OR PRINT NAME Charlotte Van Valkenburg 918-491-4314 TELEPHONE NO.

(This space for State Use)

APPROVED BY Chris Williams TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Wellbore must stay ^{at} standard location. Otherwise
NSL must be applied for.

KAISER-FRANCIS OIL COMPANY

P.O. BOX 21468

TULSA, OKLAHOMA 74121-1468

6733 South Yale Ave.

(918) 494-0000

February 7, 1997

*TO Be Attached
To Form C103
dated 12/6/96.*

Mr. Michael Stogner
State of New Mexico
Oil Conservation Division
P. O. Box 6429
Santa Fe, NM 87505-7131

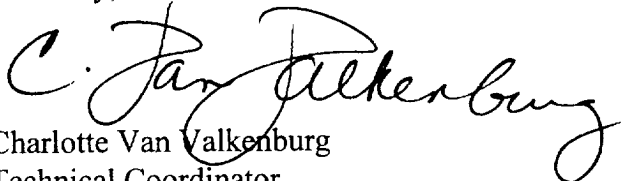
Re: Request for Directional Drill Order
Bell Lake Unit 1 #4
Sec. 6-24S-34E
Lea Co., NM

Dear Sir:

This is to request a directional drill order for the subject well. Please find attached copies of forms C-102 and C-103 with attachments as submitted to the Hobbs district office on December 6, 1996.

Should you have any questions or should any further information be necessary, please feel free to contact me. Your expedition in this regard is appreciated.

Sincerely,


Charlotte Van Valkenburg
Technical Coordinator

Attachments

Bell Lake #1-4 is currently TA'd due to high water production. This proposal is to plug the Atoka in the existing wellbore, cut a window and sidetrack the well to a new bottomhole location, run casing after drilling the Atoka, drill down through the Morrow and run liner if productive. The specific procedure follows:

1. MIRU Drilling rig
2. Load hole and install 10,000# BOP stack.
3. POOH with tubing and packer.
4. Run and set CIBP at +/- 12,400'. Dump 10' of Cement on CIBP.
5. Pick up and determine free point on 7" casing (TOC at 11,850')
6. Cut 7" at free point and POOH.
7. Run gyro survey to determine exact bottom hole location.
8. Pick up whipstock packer. Run in hole and set.
9. Orient whipstock.
10. Cut a window in the 9 5/8" casing at approx. 10,000'.
11. Drill deviated 8 1/2" hole from 10,000' to 12,700'. Hole to be displaced approximately 606' (480' North and 370" East). Directional Drilling plan is attached.
12. At 12,700', run open hole logs (DIL, Comp. Neut/Density).
13. Run and set 7" 26# & 29# N-80 and P-110 casing.
14. Cement with approximately 400 sx of Class "H" cement.
15. Pick up 3 1/2" drill pipe and collars. Drill out shoe joint. Test casing shoe to the equivalent of 14 PPG mud.
16. Drill 6" hole to 13,650'.
17. Run open hole logs as required.
18. If determined productive, run 3 1/2" or 4 1/2" liner and set at T.D.
19. R.D.M.O.

MUD PROGRAM

10,000' - 12,700'

Cut Brine/Shear-Drill

Mud Properties

Weight Lb./Gal.	-	8.6 - 9.0
Viscosity Sec/Qt.	-	40 - 50
Filtrate	-	10
P.H.	-	9.5 - 10.0
Drilled Solids	-	< 2

12,600' - 13,650'

Polymer/Weighted System

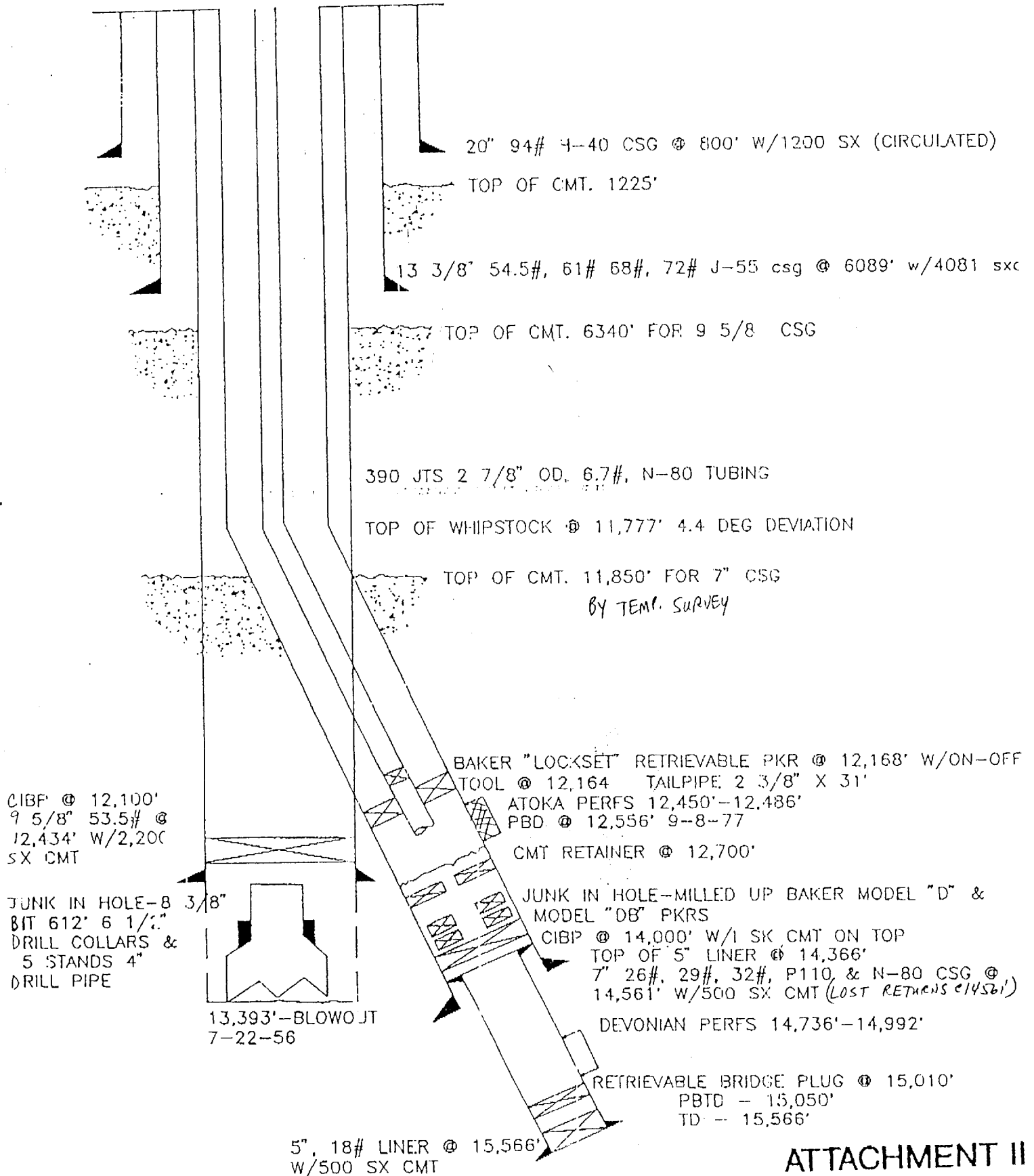
Mud Properties

Weight Lb./Gal.	-	10.0 - 14.0
Viscosity Sec/Qt.	-	40 - 50
Filtrate	-	10
P.H.	-	10
Drilled Solids	-	< 3

BELL LAKE UNIT 1
WELL 4

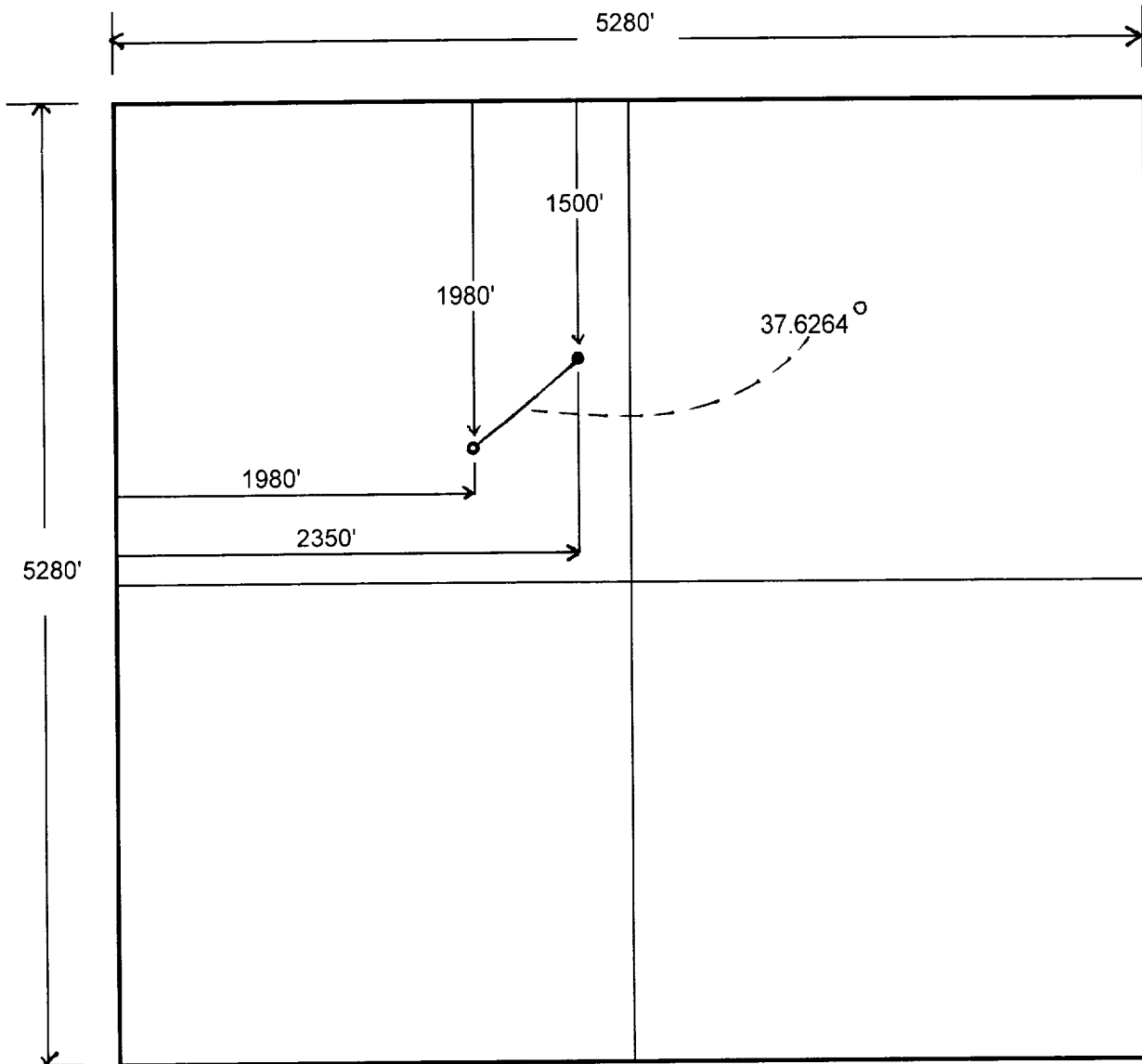
1980' FNL & 1980' FWL OF
SECTION 6, 124S, R34E
LEA COUNTY, NEW MEXICO

ELEVATION: 3,611' DF
ZERO: 15' AGL



ATTACHMENT II

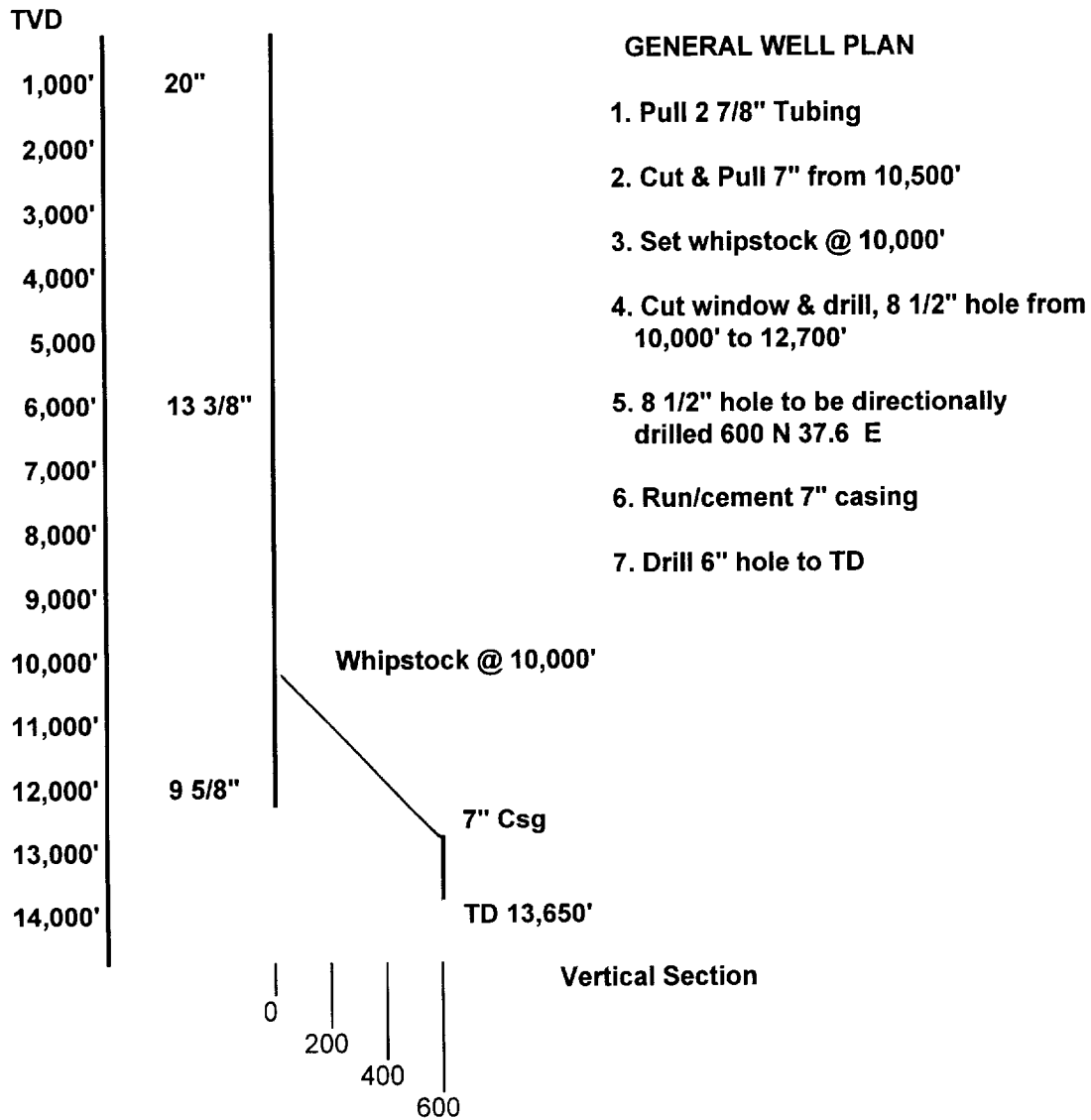
Bell Lake Unit # 1-4
Section 6-T24S-R34E
Lea County, NM.



640 Acres

Exhibit "A"

Bell Lake Unit # 1-4
Section 6-T24S-R34E
Lea County, NM.



Bell Lake Unit # 1-4
Directional Plan

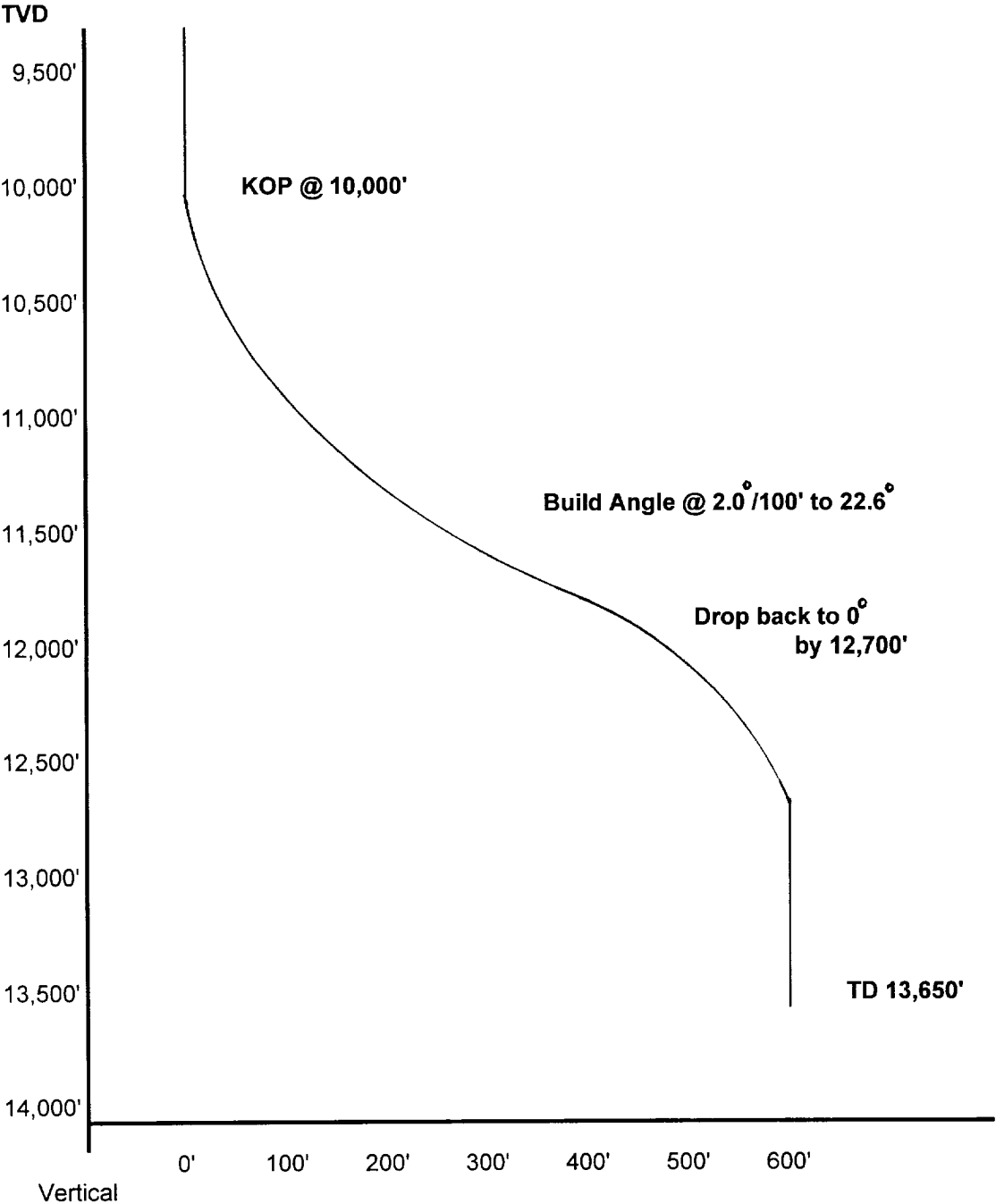


Exhibit "C"

Halliburton Energy Services

Page 1

Proposal Report

Date: 11/21/96

Time: 2:12 pm

Wellpath ID: PROPOSAL

Last Revision: 11/21/96

Calculated using the Minimum Curvature Method

Computed using WIN-CADDS REV2.2.2

Vertical Section Plane: N 37.63 E

Survey Reference: WELLHEAD

Vertical Section Reference: WELLHEAD

Closure Reference: WELLHEAD

TVD Reference: WELLHEAD

KAISER FRANCIS
BELL LAKE #1-4
LEA COUNTY, NEW MEXICO
SEC. 6 - T24S - R34E
PROPOSAL

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)
TIE IN								
0.00	0.00	N 0.00 E	0.00	0.00	0.00	0.00 N	0.00 E	0.00
KOP / START OF BUILD @ 2.00 deg/100 ft								
10000.00	0.00	N 0.00 E	10000.00	10000.00	0.00	0.00 N	0.00 E	0.00
10100.00	2.00	N 37.63 E	100.00	10099.98	1.75	1.38 N	1.07 E	2.00
10200.00	4.00	N 37.63 E	100.00	10199.84	6.98	5.53 N	4.26 E	2.00
10300.00	6.00	N 37.63 E	100.00	10299.45	15.69	12.43 N	9.58 E	2.00
10400.00	8.00	N 37.63 E	100.00	10398.70	27.88	22.08 N	17.02 E	2.00
10500.00	10.00	N 37.63 E	100.00	10497.46	43.52	34.47 N	26.57 E	2.00
10600.00	12.00	N 37.63 E	100.00	10595.62	62.60	49.58 N	38.22 E	2.00
10700.00	14.00	N 37.63 E	100.00	10693.05	85.10	67.40 N	51.95 E	2.00
10800.00	16.00	N 37.63 E	100.00	10789.64	110.98	87.89 N	67.75 E	2.00
10900.00	18.00	N 37.63 E	100.00	10885.27	140.21	111.05 N	85.60 E	2.00
11000.00	20.00	N 37.63 E	100.00	10979.82	172.77	136.83 N	105.48 E	2.00
11100.00	22.00	N 37.63 E	100.00	11073.17	208.60	165.22 N	127.35 E	2.00
END OF BUILD								
11132.13	22.64	N 37.63 E	32.13	11102.89	220.81	174.88 N	134.80 E	2.00
START OF CURVE @ 2.00 deg/100 ft								
11559.27	22.64	N 37.63 E	427.14	11497.11	385.25	305.12 N	235.20 E	0.00
11659.27	20.64	N 37.63 E	100.00	11590.05	422.13	334.33 N	257.71 E	2.00
11759.27	18.64	N 37.63 E	100.00	11684.23	455.74	360.95 N	278.23 E	2.00
11859.27	16.64	N 37.63 E	100.00	11779.52	486.05	384.95 N	296.73 E	2.00
11959.27	14.64	N 37.63 E	100.00	11875.81	513.01	406.31 N	313.20 E	2.00
12059.27	12.64	N 37.63 E	100.00	11972.99	536.59	424.99 N	327.59 E	2.00
12159.27	10.64	N 37.63 E	100.00	12070.92	556.77	440.97 N	339.91 E	2.00
12259.27	8.64	N 37.63 E	100.00	12169.50	573.52	454.24 N	350.14 E	2.00
12359.27	6.64	N 37.63 E	100.00	12268.61	586.82	464.77 N	358.26 E	2.00
12459.27	4.64	N 37.63 E	100.00	12368.12	596.65	472.56 N	364.26 E	2.00
12559.27	2.64	N 37.63 E	100.00	12467.92	603.01	477.59 N	368.14 E	2.00

Halliburton Energy Services

Proposal Report

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Date: 11/21/96

Wellpath ID: PROPOSAL

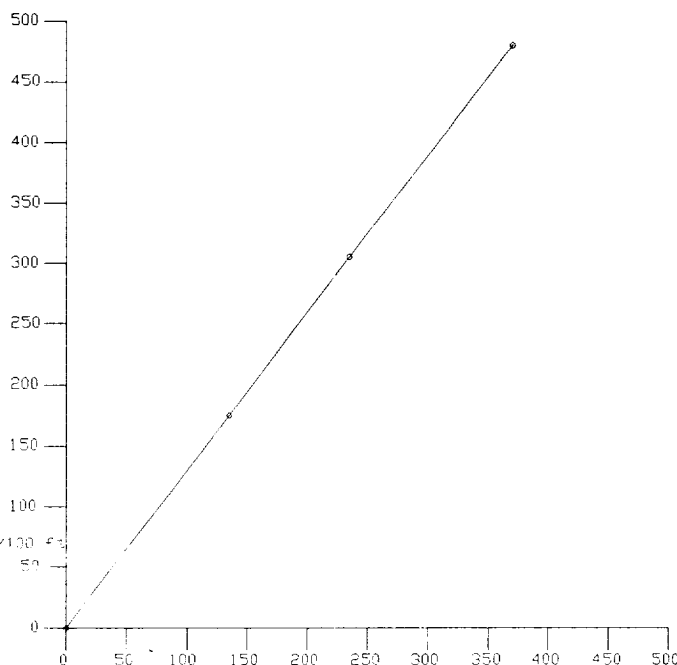
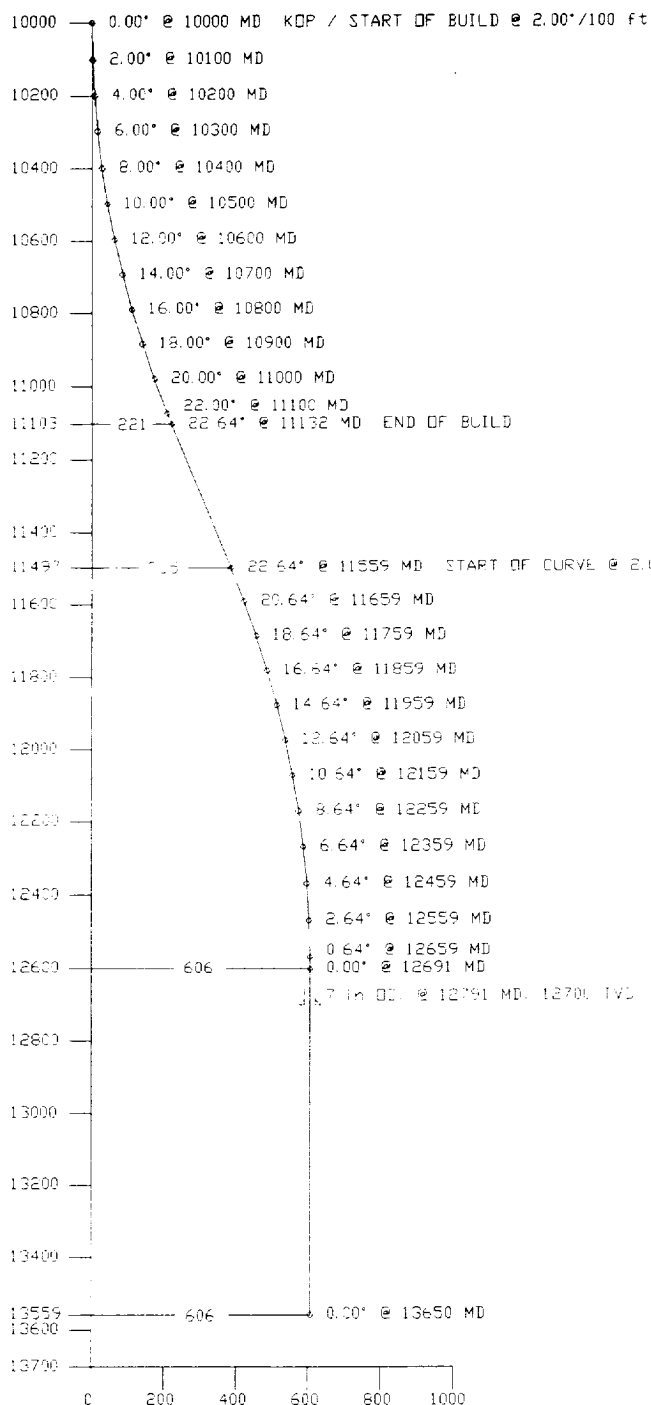
Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	T O T A L Rectangular Offsets (ft)		DLS (dg/100ft)
12659.27	0.64	N 37.63 E	100.00	12567.87	605.87	479.86 N	369.89 E	2.00
TARGET								
12691.40	0.00	N 0.00 E	32.13	12600.00	606.05	480.00 N	370.00 E	2.00
13650.00	0.00	N 0.00 E	958.60	13558.60	606.05	480.00 N	370.00 E	0.00

KAISER FRANCIS
BELL LAKE #1-4
LEA COUNTY, NEW MEXICO
SEC. 6 - T24S - R34E



VERTICAL VIEW
SCALE 200 ft. / DIVISION

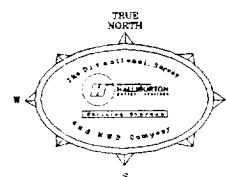
HORIZONTAL VIEW
SCALE 50 ft. / DIVISION



BOTTOM HOLE LOCATION
AT CASING POINT
1500' FNL, 2350' FWL

SURFACE LOCATION
1980' FNL, 1980' FWL

PROPOSED BHL	
TVD	13558.80
MD	13650.00
VS	606.05
N/S	480.00 N
E/W	370.00 E



VERTICAL SECTION PLANE: N 37.63 E