



BRIGHT CO.

Structure : SEC.23-T6N-R68W

Well : UNION #1

Field : LAKE CANAL

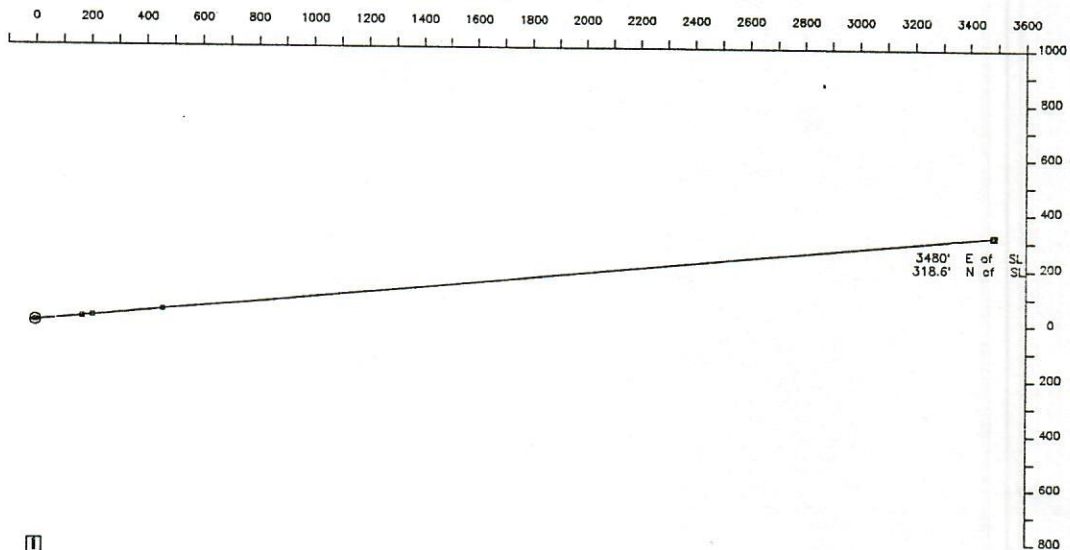
Location : LARIMER COUNTY, COLORADO

WELL PROFILE DATA

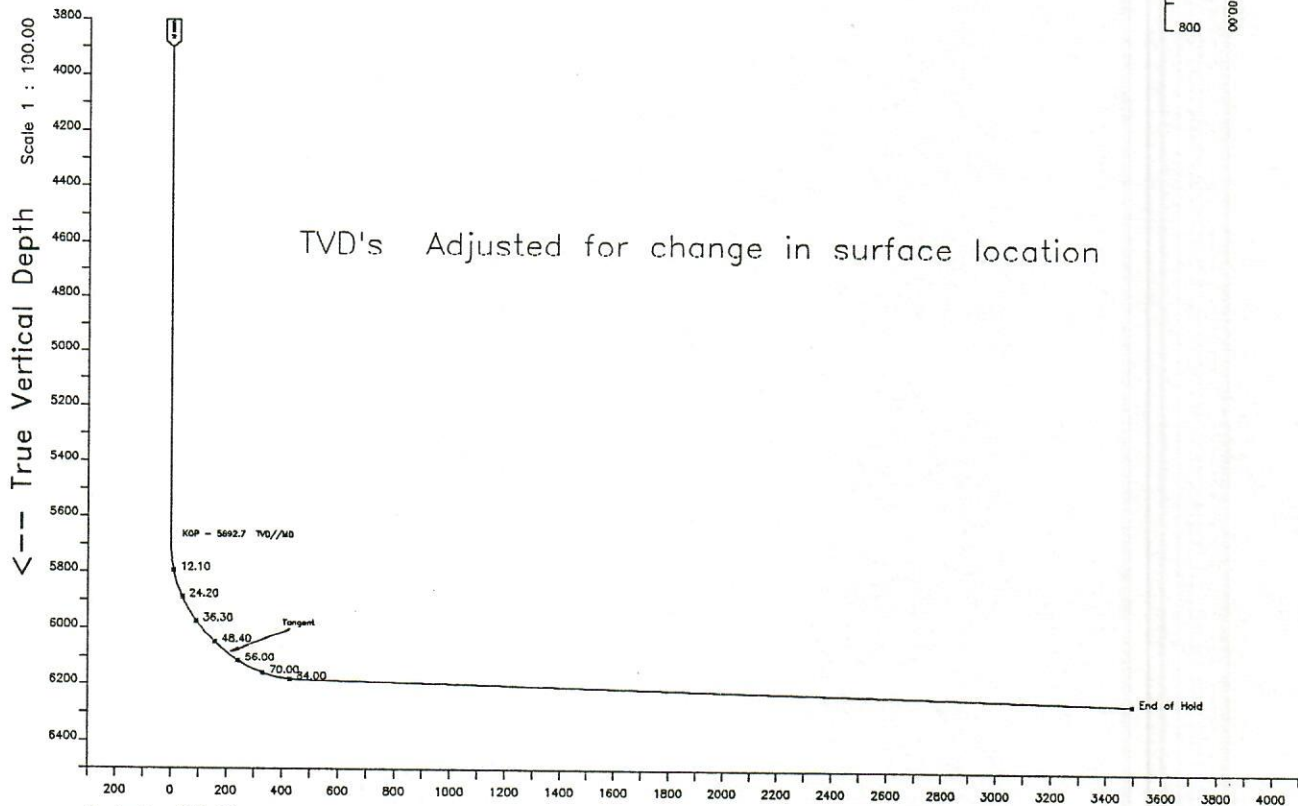
Point	MD	Inc	Dir	TVD	North	East
Tie on	0	0.00	84.77	0	0	0
End of Hold	5693	0.00	84.77	5593	0	0
End of Build	8106	50.00	84.77	6055	15	168
End of Hold	6156	50.00	84.77	6088	19	206
End of Build	6432	38.63	84.77	6183	42	459
End of Hold	9466	88.63	84.77	6256	319	3480

Scale 1 : 100.00

East -->



North
Scale 1 : 100.00

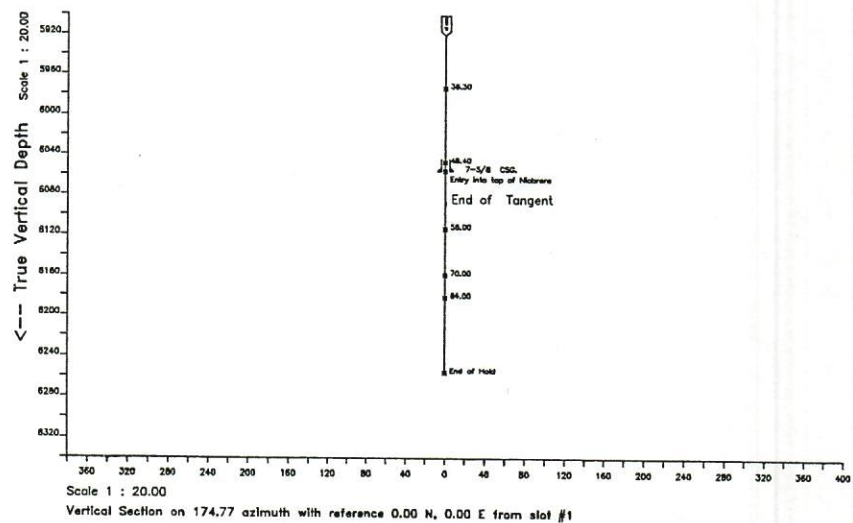


Scale 1 : 100.00

Vertical Section on 84.77 azimuth with reference 0.00 N, 0.00 E from slot #1

BRIGHT CO.	
Structure : SEC.23-T6N-R68W	Well : UNION #1
Field : LAKE CANAL	Location : LARIMER COUNTY, COLORADO

WELL PROFILE DATA						
Point	MD	Inc	Dir	TVD	North	East
Top of Hole	0	0.00	84.77	0	0	0
End of Hole	5093	0.00	84.77	5093	0	0
End of Build	6104	50.00	84.77	6055	15	168
End of Hole	6156	50.00	84.77	6088	19	206
End of Build	8432	88.63	84.77	6183	42	458
End of Hole	9488	88.63	84.77	6258	319	3490



BRIGHT CO.
SEC.23-T6N-R68W

UNION #1
slot #1
LAKE CANAL
LARIMER COUNTY, COLORADO

P R O P O S A L L I S T I N G

by
Eastman Teleco

Your ref : Union #1 1/20/93 NEW SURF. LOC
Our ref : prop464
License :

Date printed : 20-Jan-93
Date created : 20-Jan-93
Last revised : 20-Jan-93

Field is centred on n40 30 0.000,w105 0 0
Structure is centred on n40 30 0.000,w105 0 0

Slot location is n40 30 0.000,w105 0 0.000
Slot Grid coordinates are N 425374.920, E 2139052.725
Slot local coordinates are 0.00 N 0.00 E
Reference North is True North

BRIGHT CO.
SEC.23-T6N-R68W,UNION #1
LAKE CANAL,LARIMER COUNTY, COLORADO

PROPOSAL LISTING Page 1
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Last revised : 20-Jan-93

Measured Depth	Inclin. Degrees	Azimuth Degrees	True Vert. Depth	R E C T A N G U L A R C O O R D I N A T E S		Dogleg Deg/100Ft	Vert Sect
0.00	0.00	84.77	0.00	0.00 N	0.00 E	0.00	0.00
500.00	0.00	84.77	500.00	0.00 N	0.00 E	0.00	0.00
1000.00	0.00	84.77	1000.00	0.00 N	0.00 E	0.00	0.00
1500.00	0.00	84.77	1500.00	0.00 N	0.00 E	0.00	0.00
2000.00	0.00	84.77	2000.00	0.00 N	0.00 E	0.00	0.00
2500.00	0.00	84.77	2500.00	0.00 N	0.00 E	0.00	0.00
3000.00	0.00	84.77	3000.00	0.00 N	0.00 E	0.00	0.00
3500.00	0.00	84.77	3500.00	0.00 N	0.00 E	0.00	0.00
4000.00	0.00	84.77	4000.00	0.00 N	0.00 E	0.00	0.00
4500.00	0.00	84.77	4500.00	0.00 N	0.00 E	0.00	0.00
5000.00	0.00	84.77	5000.00	0.00 N	0.00 E	0.00	0.00
5500.00	0.00	84.77	5500.00	0.00 N	0.00 E	0.00	0.00
5692.70	0.00	84.77	5692.70	0.00 N	0.00 E	0.00	0.00
5792.70	12.10	84.77	5791.96	0.96 N	10.48 E	12.10	10.52
5892.70	24.20	84.77	5886.81	3.79 N	41.44 E	12.10	41.61
5992.70	36.30	84.77	5973.03	8.38 N	91.51 E	12.10	91.90
6092.70	48.40	84.77	6046.80	14.51 N	158.47 E	12.10	159.14
6105.93	50.00	84.77	6055.44	15.42 N	168.44 E	12.10	169.15
6155.93	50.00	84.77	6087.58	18.91 N	206.59 E	0.00	207.45
6198.78	56.00	84.77	6113.36	22.03 N	240.66 E	14.00	241.66
6298.78	70.00	84.77	6158.65	30.13 N	329.16 E	14.00	330.54
6398.78	84.00	84.77	6181.08	38.99 N	425.95 E	14.00	427.74
6431.83	88.63	84.77	6183.21	41.99 N	458.78 E	14.00	460.70
6500.00	88.63	84.77	6184.84	48.21 N	526.65 E	0.00	528.85
7000.00	88.63	84.77	6196.83	93.78 N	1024.43 E	0.00	1028.71
7500.00	88.63	84.77	6208.82	139.36 N	1522.20 E	0.00	1528.57
8000.00	88.63	84.77	6220.80	184.93 N	2019.98 E	0.00	2028.42
8500.00	88.63	84.77	6232.79	230.50 N	2517.75 E	0.00	2528.28
9000.00	88.63	84.77	6244.78	276.08 N	3015.52 E	0.00	3028.14
9466.55	88.63	84.77	6255.96	318.60 N	3480.00 E	0.00	3494.55

All data is in feet unless otherwise stated
Coordinates from slot #1 and TVD from wellhead.
Vertical section is from N 0.00 E 0.00 on azimuth 84.77 degrees.
Declination is 11.20 degrees, Convergence is 0.32 degrees.
Calculation uses the minimum curvature method.
Presented by Eastman Teleco

BRIGHT CO.
SEC.23-T6N-R68W,UNION #1
LAKE CANAL,LARIMER COUNTY, COLORADO

PROPOSAL LISTING Page 2
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Casing positions in string 'A'

Top MD	Top TVD	Rectangular Coords.	Bot MD	Bot TVD	Rectangular Coords.	Casing
0.00	0.00	0.00N 0.00E	6371.67	6177.36	36.54N 399.21E	7-5/8" CSG.

All data is in feet unless otherwise stated
Coordinates from slot #1 and TVD from wellhead.
Bottom hole distance is 3494.55 on azimuth 84.77 degrees from wellhead.
Vertical section is from N 0.00 E 0.00 on azimuth 84.77 degrees.
Declination is 11.20 degrees, Convergence is 0.32 degrees.
Calculation uses the minimum curvature method.
Presented by Eastman Teleco