

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

Phillips Petroleum Company

Patsy Clugston
599-3454

3. ADDRESS AND TELEPHONE NO.

5525 Hwy 64, NBU 3004, Farmington, NM 87401

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

At surface

Unit Letter G, 2117 FNL & 2178 FEL

At proposed prod. zone

1219 FNL & 1238 FEL

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

15 miles east of Blanco

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

1420.68

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

** (TVD) 3100 & (MD) 3433'

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

6222' (Unprepared GL) procedural review pursuant to 43 CFR 3185.3

23. ** (TVD) True Vertical Depth and appeal pursuant to 43 CFR 3185.3
PROPOSED CASING AND CEMENTING PROGRAM

(MD) Measured Depth

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#, J-55	350'	250 SX (292 CF) Class B
8-3/4"	7"	23#, J-55	(TVD) 2920' & (MD) 3343'	600 SX (1266 CF) Class B 65:35 PO & 150 SX (177 CF) Class B
6-1/4"	5-1/2"	15.5# or 23#	(TVD) 3062' (MD) 3485'	DRILLING OPERATIONS AUTHORIZED ARE * SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS".

* If the coal is cleated a 5-1/2", 23#, P-110 liner will be run in the open hole without being cemented.

* If the coal is not cleated a 5-1/2" 15.5#, K-55 liner will be run, cemented with 100 sx cement and the well fractured.

Mud Program and BOP Equipment: See Attached

RECEIVED

NOV 10 1993

OIL CON. DIST. 2

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 Ed Hasely Ed Hasely TITLE Environmental Engineer DATE 10-21-93

(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:

C-104 For DD ORDER

APPROVED BY

TITLE

*See Instructions On Reverse Side

DISTRICT MANAGER

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

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

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

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

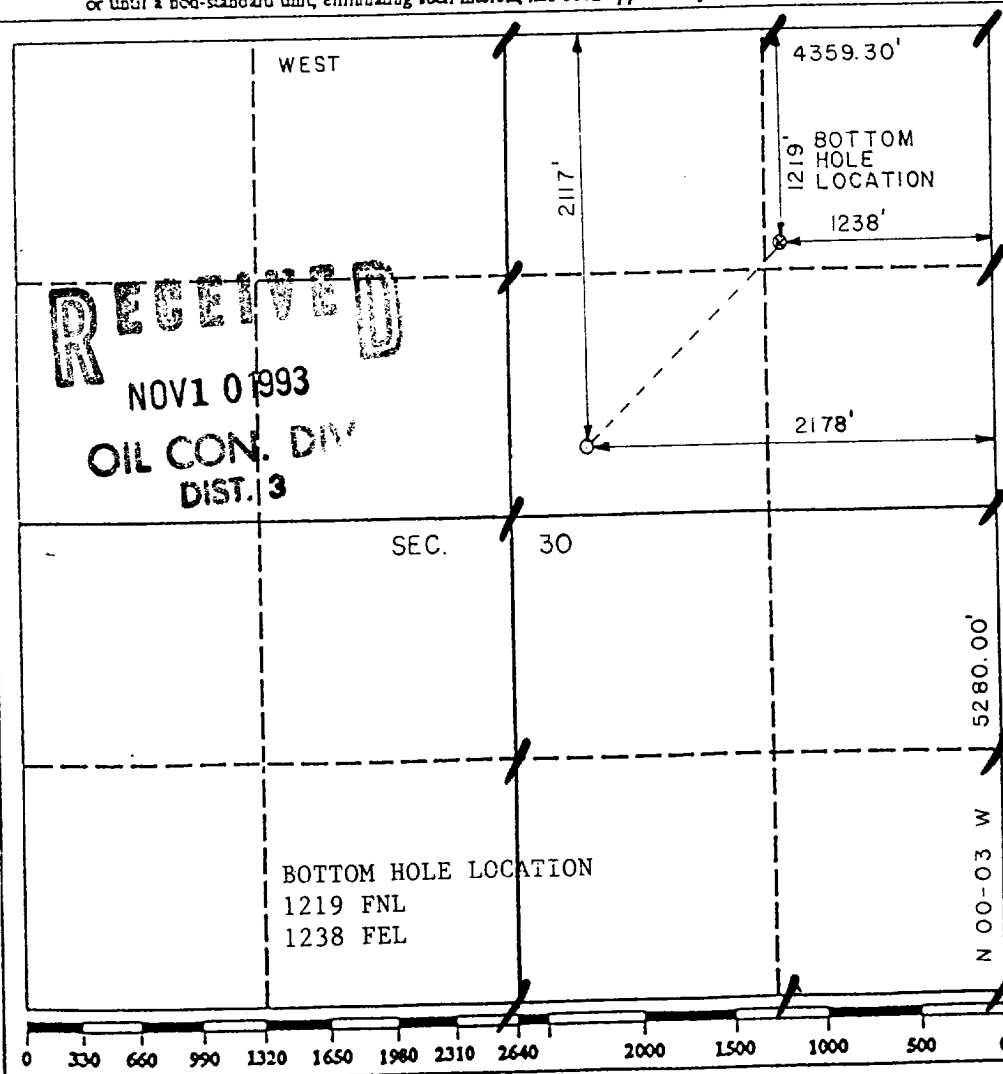
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator PHILLIPS PETROLEUM			Lease SAN JUAN 30-6		Well No. 498R
Unit Letter G	Section 30	Township 30 NORTH	Range 7 WEST	County RIO ARRIBA	
Actual Footage Location of Well: 2117 feet from the NORTH line and 2178 feet from the EAST line					
Ground level Elev. 6222	Producing Formation Basin Fruitland Coal		Pool Fruitland Coal	Dedicated Acreage: 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, 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

Ed Hasely

Printed Name

Ed Hasely

Position

Environmental Engineer

Company

Phillips Petroleum Company

Date

10-21-93

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 knowledge and belief.

Date Surveyed

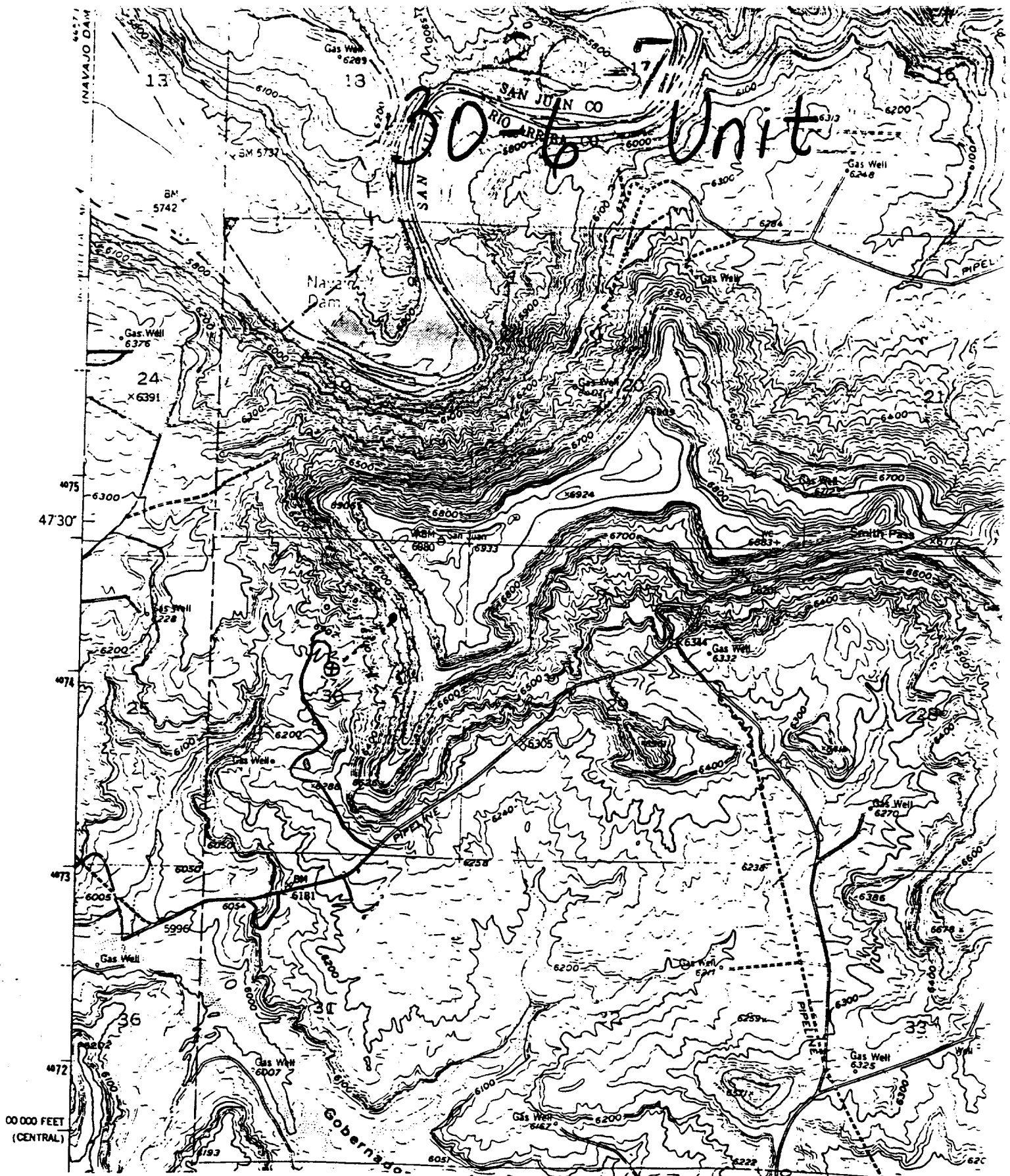
OCTOBER 1993

Signature of Seal of Professional Surveyor

ROY A. RUSH

Certificate No.

8894



PHILLIPS PETROLEUM

Structure : S30-30N-7W

Well : 498R

Field : RIO ARRIBA COUNTY Location : NEW MEXICO

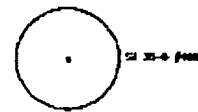
WELL PROFILE DATA

Point	MD	Inc	D _r	TVD	North	East
Tie on	0	0.00	46.30	0	0	0
KOP	400	0.00	46.30	400	0	0
End of Build	1859	50.36	46.30	1503	358	375
End of Hole	1904	50.36	46.30	1659	488	511
Target	3343	0.00	46.30	2920	896	940

Scale 1 : 100.00

East -->

THIS WELL DESIGN DOES
NOT INTERCEPT A LEGAL
LOCATION AND REQUIRES
A SPACING EXCEPTION

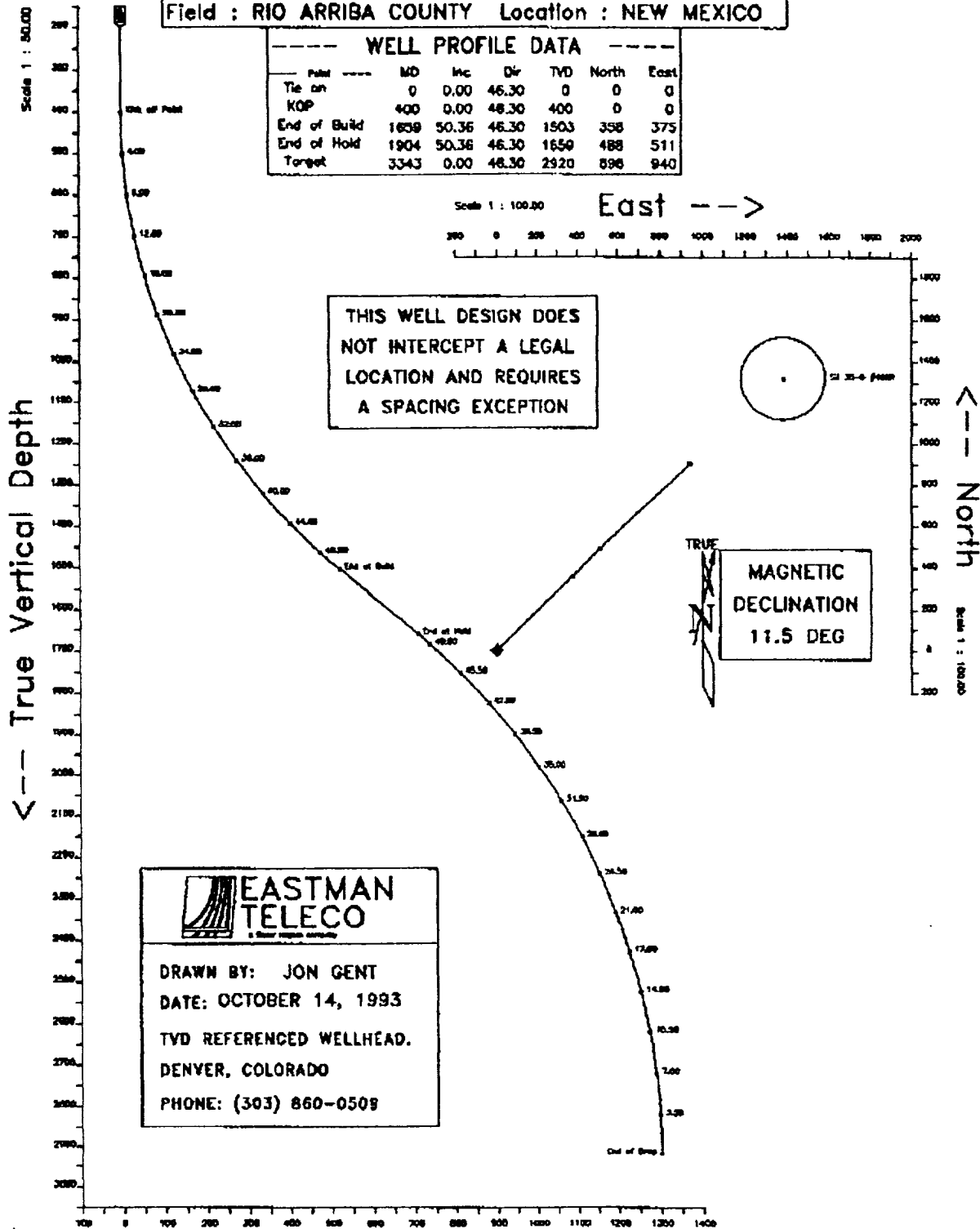


MAGNETIC
DECLINATION
11.5 DEG



**EASTMAN
TELECO**

DRAWN BY: JON GENT
DATE: OCTOBER 14, 1993
TVD REFERENCED WELLHEAD.
DENVER, COLORADO
PHONE: (303) 860-0508



Scale 1 : 50.00

Vertical Section on 46.30 azimuth with reference 0.00 N, 0.00 E from SJ 30-6

PHILLIPS PETROLEUM
830-308-7W, 498R
RIO ARRIBA COUNTY, NEW MEXICO

PROPOSAL LISTING Page 1
Your ref : REASONABLE DEPARTURE REQUIRES SPACING EXCEPTION
Last revised : 14-Oct-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	46.30	0.00	0.00 N	0.00 E	0.00	0.00
400.00	0.00	46.30	400.00	0.00 N	0.00 E	0.00	0.00
500.00	4.00	46.30	499.92	2.41 N	2.52 E	4.00	3.49
600.00	8.00	46.30	599.35	9.63 N	10.08 E	4.00	13.94
700.00	12.00	46.30	697.81	21.62 N	22.63 E	4.00	31.30
800.00	16.00	46.30	794.82	38.34 N	40.12 E	4.00	55.49
900.00	20.00	46.30	889.91	59.68 N	62.45 E	4.00	86.38
1000.00	24.00	46.30	982.61	85.56 N	89.33 E	4.00	123.84
1100.00	28.00	46.30	1072.47	115.84 N	121.22 E	4.00	167.66
1200.00	32.00	46.30	1159.05	150.37 N	157.36 E	4.00	217.66
1300.00	36.00	46.30	1241.94	189.00 N	197.78 E	4.00	273.56
1400.00	40.00	46.30	1320.72	231.53 N	242.28 E	4.00	335.12
1500.00	44.00	46.30	1395.02	277.74 N	290.64 E	4.00	402.02
1600.00	48.00	46.30	1464.48	327.43 N	342.64 E	4.00	473.94
1659.15	50.36	46.30	1503.13	358.36 N	375.00 E	4.00	518.69
1903.92	50.36	46.30	1659.27	488.60 N	511.29 E	0.00	707.21
1942.95	49.00	46.30	1684.52	509.15 N	532.80 E	3.50	736.96
2042.95	45.50	46.30	1752.39	559.88 N	585.88 E	3.50	810.38
2142.95	42.00	46.30	1824.62	607.65 N	635.86 E	3.50	879.52
2242.95	38.50	46.30	1900.93	652.28 N	682.57 E	3.50	944.12
2342.95	35.00	46.30	1981.04	693.61 N	725.82 E	3.50	1003.95
2442.95	31.50	46.30	2064.66	731.48 N	765.45 E	3.50	1058.77
2542.95	28.00	46.30	2151.46	765.76 N	801.32 E	3.50	1108.38
2642.95	24.50	46.30	2241.14	796.31 N	833.30 E	3.50	1152.60
2742.95	21.00	46.30	2333.34	823.03 N	861.25 E	3.50	1191.27
2842.95	17.50	46.30	2427.74	845.80 N	885.08 E	3.50	1224.23
2942.95	14.00	46.30	2523.97	864.55 N	904.70 E	3.50	1251.37
3042.95	10.50	46.30	2621.68	879.21 N	920.04 E	3.50	1272.59
3142.95	7.00	46.30	2720.50	889.72 N	931.04 E	3.50	1287.80
3242.95	3.50	46.30	2820.06	896.04 N	937.65 E	3.50	1296.95
3342.95	0.00	46.30	2920.00	898.15 N	939.86 E	3.50	1300.00

All data is in feet unless otherwise stated
Coordinates from SJ 30-6 and TVD from wellhead.
Vertical section is from wellhead on azimuth 46.30 degrees.
Declination is 11.63 degrees, Convergence is 0.10 degrees.
Calculation uses the minimum curvature method.
Presented by Baker Hughes Inteq