

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

RECEIVED
JUL 9 1993

1a. TYPE OF WORK
 DRILL DEEPEN
 b. TYPE OF WELL
 OIL WELL GAS WELL OTHER
 2. NAME OF OPERATOR
 ENERGY DEVELOPMENT CORPORATION
 3. ADDRESS AND TELEPHONE NO.
 1000 LOUISIANA STE 2900 HOUSTON TX 77002
 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 AT SURFACE
 1750' FSL & 175' FNL
 At proposed prod. zone
 175' FSL & 1200' FSL (SEC 32-T21N-R2W)
 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 APPROXIMATELY 10 MILES WEST FROM CUBA, NEW MEXICO
 15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
 690'
 16. NO. OF ACRES IN LEASE
 1549.96 & 560
 17. NO. OF ACRES ASSIGNED TO THIS WELL
 480 & 527.75
 18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 4100'
 19. PROPOSED DEPTH
 6253 HD.
 20. ROTARY OR CABLE TOOLS
 ROTARY
 21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6923.1' GL (UNGRADED)
 22. APPROX. DATE WORK WILL START*
 6/1/93

5. LEASE DESIGNATION AND SERIAL NO.
 NM-7765 & NM-56298
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 N/A
 7. UNIT AGREEMENT NAME
 SAN ISIDRO (SHALLOW)
 8. FARMOR LEASE NAME WELL NO.
 SAN ISIDRO 5 #2 13448
 9. API WELL NO.
 30-043-20895
 10. FIELD AND POOL, OR WILDCAT
 RIO PUERCO MANCOS 52260
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 SEC 5-T20N-R2W
 12. COUNTY OR PARISH
 SANDOVAL
 13. STATE
 NM
 17. NO. OF ACRES ASSIGNED TO THIS WELL
 480 & 527.75
 20. ROTARY OR CABLE TOOLS
 ROTARY
 22. APPROX. DATE WORK WILL START*
 6/1/93

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 3/4"	K-55, 9 7/8"	36#/FT.	0-350'	195 SXS HALLIBURTON STD + 2% CACI
8 3/4"	N-80, 7"	23#/FT.	0-3600'	740 SXS HALLIBURTON LTE & PREM *
6 1/4"	K-55, 4 1/2"	11.6#/FT.	3500'-6253'	N/A

* CEMENT TO BE CIRCULATED TO SURFACE IN TWO STAGES.
 OPERATOR HEREBY PROPOSES TO DRILL A HORIZONTAL WELL, KICK-OFF @ APPROXIMATELY 3785' AT WHICH TIME ANGLE WILL BE BUILT AT A RATE OF 12.3° PER 100 FT. IT IS PLANNED TO BE AT APPROX. 82° BY A TUD OF 1/2 4246' AND DRILL APPROXIMATELY 2196' OF LATERAL HOLE IN A DIRECTION OF N-39.2° W OF THE SURFACE LOCATION. PRIOR TO DRILLING THE HORIZONTAL SECTION A VERTICAL PILOT HOLE WILL BE DRILLED TO 1/2 5300' TUD TO EVALUATE THE MANCOS AND SEMILLA FORMATIONS.

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 [Signature] TITLE SUP. RES & ENV AFFAIR DATE 5/24/93

(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:

APPROVED BY SHIRLEY MONDY Acting AREA MANAGER
DD-85 K-9330-A TITLE RIO PUERCO RESOURCE AREA DATE JUL 16 1993
 *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.

NMOCD

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 1960, 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

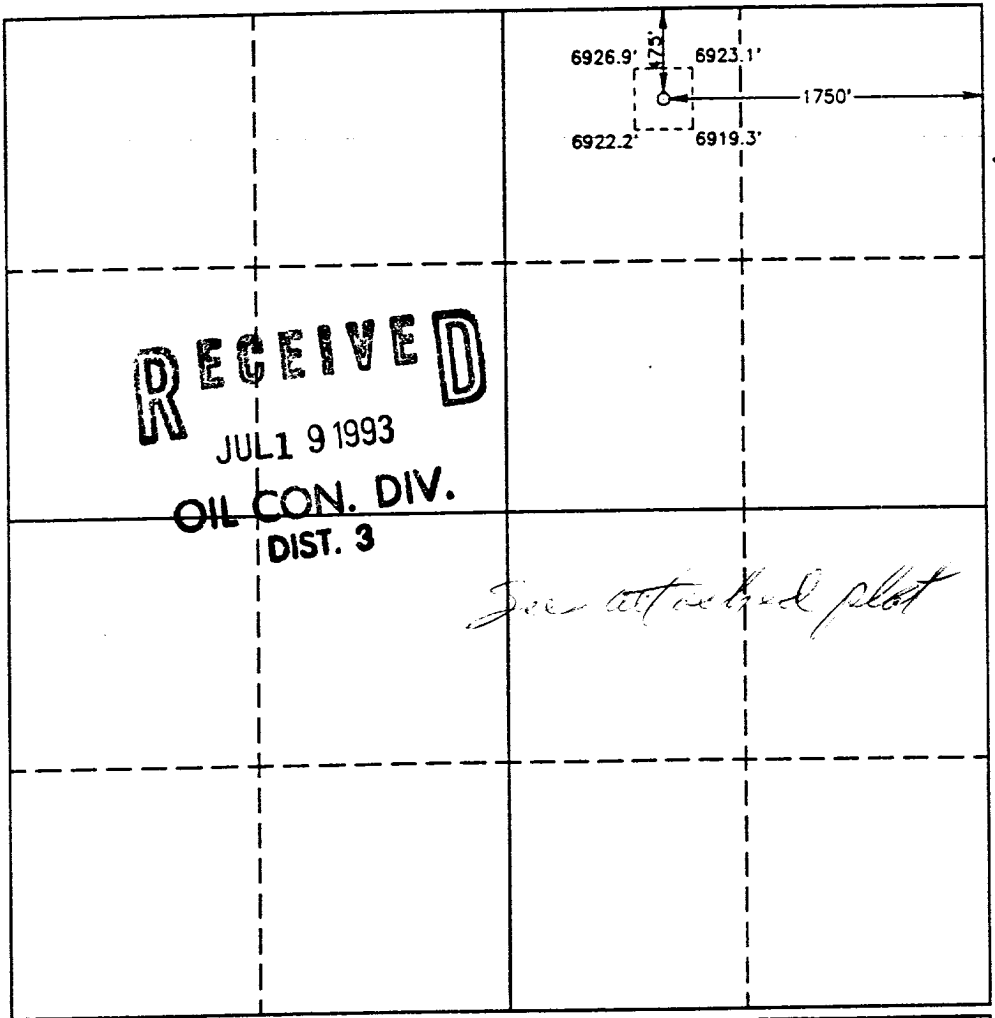
Operator ENERGY DEVELOPMENT CORPORATION		Lease SAN ISIDRO 5		Well No. 2
Unit Letter B	Section 5	Township 20 NORTH	Range 2 WEST NMPM	County SANDOVAL
Actual Footage Location of Well: 475 feet from the NORTH line and 1750 feet from the EAST line				
Ground Level Elev. 6923.1'	Producing Formation MALCOS	Pool RIO POERCO		Dedicated Acreage: 480 458.75 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- 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 _____

If answer is "no" list of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form necessary.) _____

No allowable will be assigned to the well unit all interests have been consolidated (by communitization, unitization, forced-pooling, otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



RECEIVED
 JUL 9 1993
 OIL CON. DIV.
 DIST. 3

See attached plat

OPERATOR CERTIFICATION

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

Signature: *[Signature]*
 Printed Name: **MARK S. GEORGINO**
 Position: **SUP. REG. & ENW AFFAIRS**
 Company: **ENERGY DEVELOPMENT CORP**
 Date: **5/24/93**

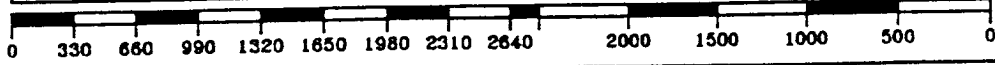
SURVEYOR CERTIFICATION

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: **APRIL 2, 1993**

Signature & Seal of Professional Surveyor

GARY L. JONES
 NEW MEXICO
 1912
 7977



32

33

PROPOSED 480 DRLG. BLK.
E1/2 SEC. 32. 2N-2W
NE1/4 SEC. 5. 20N-2W

EDC
SAN ISIDRO 5-2
X = 725761.6'
Y = 1820971.6'
LAT. 36° 0'8"
LON. 107° 4'12"

PBHL

1975'

1200'

6

5

4

X = 727286'
Y = 1819309'
LAT. 35° 59'52"
LON. 107° 3'54"

VETERAN EXPL
JOHNSON

5-14

TA

3770 MD

SL

GARY & WILLIAMS DRL

16

4996 MD

ENERGY DEVELOPMENT CORPORATION

EDC - SAN ISIDRO
WELL NO. 5-2

SANDOVAL CO., NEW MEXICO

SCALE: 1" = 1000'

DATE: 3-3-1993

DWG: pict_nmex-1000

MAR 7

158 # 52
ARROYO CHULLITAI

OGAN ISIDRO 5-2
SEC 5-T20N-R2W
1750' FEL & 475' FNL
SANDOVAL CO., N.H.

Johnson 6-16

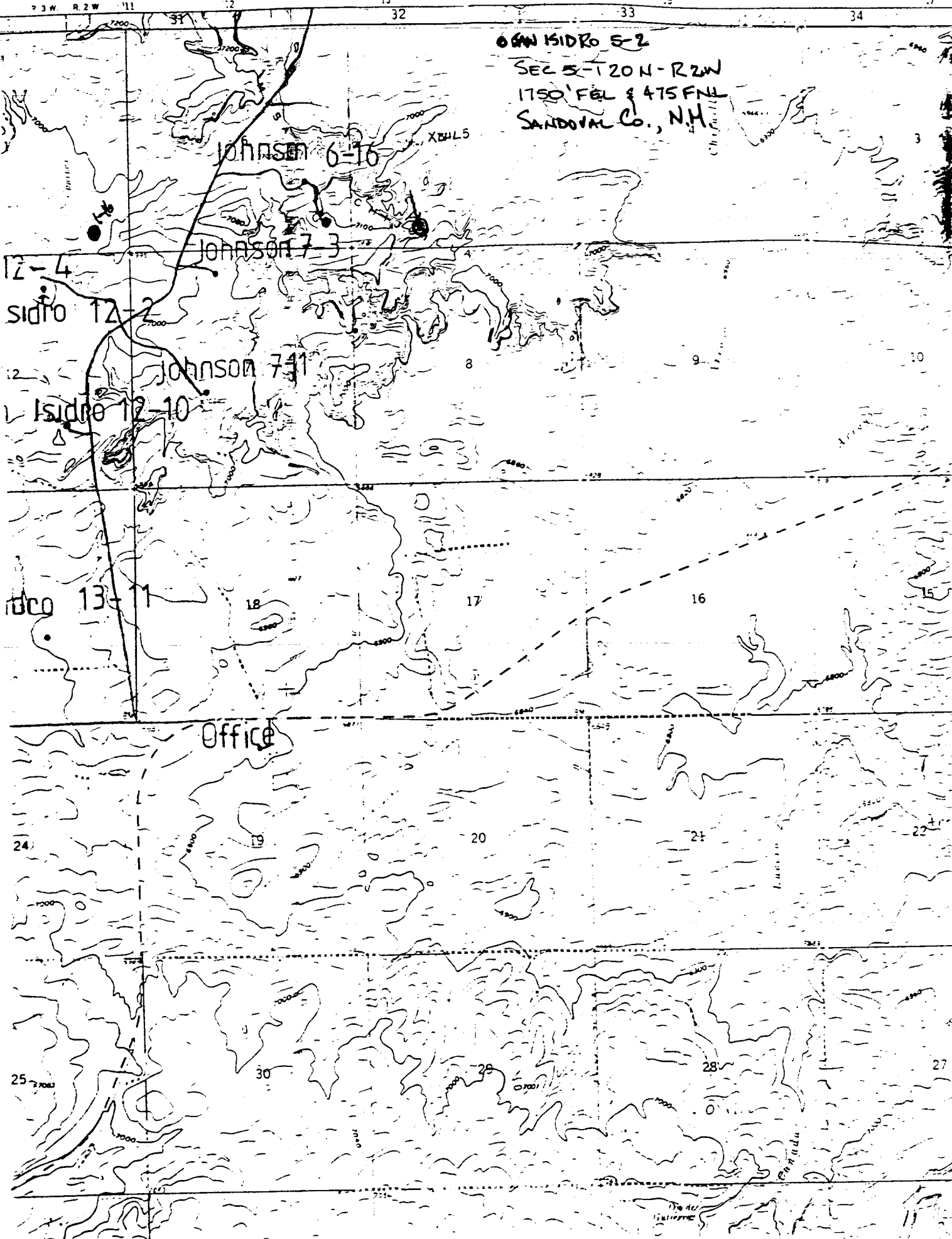
Johnson 7-3

Johnson 7-11

Isidro 12-10

Isidro 13-11

Office



ENERGY DEVELOPMENT CORPORATION

WELL PROGRAM

WELL: San Isidro Well No. 5-2
AREA: Sandoval County, New Mexico
SURFACE LOCATION: 1750' FEL & 475' FNL of Section 5-T20N-R2W
PBHL: 2050' FEL & 1350' FSL of Section 32-T21N-R2W
KB ELEVATION: 6,938'

I ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS (ASSUMES KB ELEVATION OF 6,938').

<u>FORMATION</u>	<u>TVD</u>	<u>SUBSEA</u>
CLIFFHOUSE	2,749	4,189
MENEFEE	2,889	4,049
POINT LOOKOUT	3,324	3,614
MANCOS "A"	4,129	2,809
MANCOS "B"	4,259	2,679
MANCOS "C"	4,369	2,569
MANCOS "D"	4,499	2,439
TOCITO	4,624	2,314
SEMILLA	4,809	2,129
DAKOTA	5,289	1,649

II ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERAL FORMATIONS

MENEFEE	2,889 - 3,323	Sand, shale, coal (oil & gas)
POINT LOOKOUT	3,324 - 4,128	Sand (oil & gas)
MANCOS "A" - "D"	4,129 - 4,623	Sand & shale (oil & gas)
SEMILLA	4,809 - 5,288	Sand & shale (oil & gas)

B. CEMENTING PROGRAM

CASING/HOLE SIZE	CEMENT SLURRY	SXS	PPG	YIELD
9-5/8" / 12-1/4"	Standard Cement + 2% CaCl + 0.25# Flocele	195	15.6	1.19
FIRST STAGE				
7" / 8-3/4"	Lead: Halliburton Lite + 2% CaCl + 0.5% Flocele	140	12.6	1.73
	Tail: Standard cement + 2% CaCl + 0.25% Flocele	140	15.6	1.19
SECOND STAGE				
7" / 8-3/4"	Lead: Halliburton Lite + 2% CaCl + 0.5% Flocele	210	12.6	1.73
	Tail: Standard cement + 2% CaCl + 0.25% Flocele	50	15.6	1.19

C. CASING PRESSURE TESTS

The 9-5/8" and 7" casing strings will be pressure tested before the shoe is drilled. The test pressure will be 1000 psi. An acceptable leakoff will be 50 psi or less in 30 minutes.

V. MUD PROGRAM

INTERVAL	TYPE	WEIGHT (PPG)
0 - 350'	Water-Gel	8.4
350 - 3600'	Low solids, non-dispersed	8.4
3600 - 5300 (vertical section)	KCL/Polymer Aerated	9.0
3785 - 6253' (horizontal section)	KCL/Polymer Aerated	9.0

WELL PROGRAM

San Isidro 5-2

Sandoval County, NM

Page 4

VI. PROPOSED TESTING, LOGGING AND CORING PROGRAMS

A. LOGGING PROGRAM

<u>Run No. 1</u>	<u>Depth Interval</u>
DIL-SFL/CNL/FDC Triple Combo	350 - 3600' TVD
<u>Run No. 2</u>	
DIL-SFL/Array-Sonic LDU/CNL/NGS FMI w/Dipmeter	3600 - 5300' TVD
<u>Run No. 3</u>	
*MWD w/GR	3785 - 6253' MD

*No other logs will be run in the horizontal section of the hole.

B. CORING PROGRAM

MWD w/GR required to pick core points.

- 60' conventional core in Mancos "B"
- 30' conventional core in Mancos "C"
- 60' Conventional core in Semilla

VII. EXPECTED BOTTOMHOLE PRESSURES AND TEMPERATURE

The expected bottomhole pressure in the Mancos is 1600 psi. The expected bottomhole temperature is 150° F.

VIII. DRILLING ACTIVITY

Anticipated Commencement Date:	June 1, 1993
Drilling Days	+/- 30 Days
Completion Days	+/- 20 Days

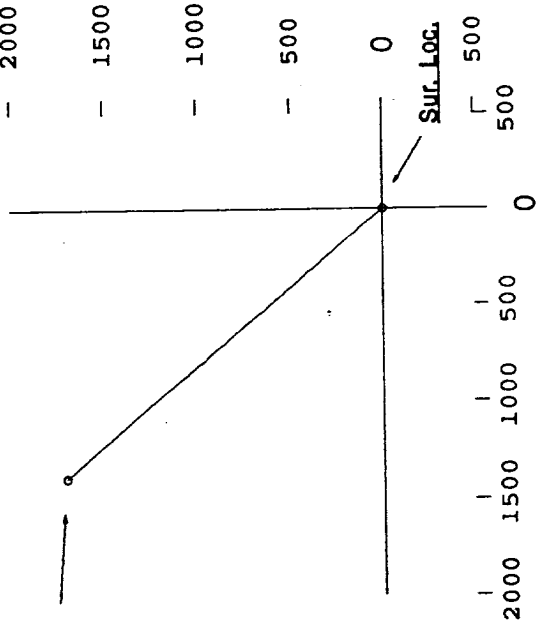
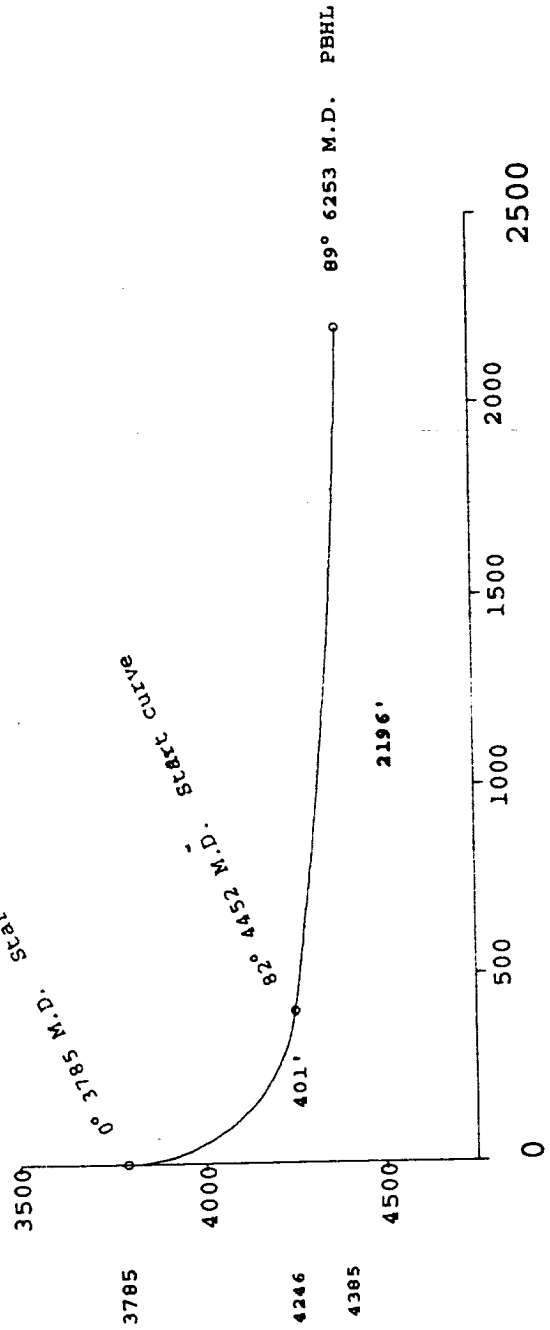
ENERGY DEVELOPMENT CORPORATION
 SAN ISEDRO #5-2
 SANDOVAL COUNTY, NEW MEXICO



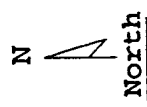
Proposed B.H.L.
 .2196' Displacement
 @ 320.8° Azimuth
 North-1388' West-1388'
 TVD-4384' MD-6253'

PLANE OF PROPOSAL
 320.8°

VERTICAL SECTION
 Scale 1" = 500'



HORIZONTAL PLAN
 Scale 1" = 1000'



GREAT LAND DIRECTIONAL DRILLING, INC.

ENERGY DEVELOPMENT CORPORATION
 SAN ISEDRO #5-2
 SANDOVAL COUNTY, NEW MEXICO

Slot Elevation: 0.00
 Plane of Vertical Section: N 39 12 W

Minimum Curvature Calculations

Measured Depth Feet	B O R E - Inclination Deg	H O L E Direction Deg	TRUE		R E C T A N G U L A R		VERTICAL SECTION Feet	C L O S U R E S		DLS Deg/100'
			Vertical Depth Feet	C O O R D I N A T E S North/South Feet	East/West Feet	Distance Feet		Direction Deg		
3785.00	0.00	0.00	3785.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Start 12.3°/100' build										
3815.00	3.69	320.80	3814.98	.75N	.61W	.96	.96	320.80	12.30	
3845.00	7.38	320.80	3844.83	2.99N	2.44W	3.86	3.86	320.79	12.30	
3875.00	11.07	320.80	3874.44	6.72N	5.48W	8.67	8.67	320.80	12.30	
3905.00	14.76	320.80	3903.68	11.91N	9.72W	15.37	15.37	320.80	12.30	
3935.00	18.45	320.80	3932.42	18.56N	15.13W	23.94	23.94	320.80	12.30	
3965.00	22.14	320.80	3960.55	26.62N	21.71W	34.35	34.35	320.80	12.30	
3995.00	25.83	320.80	3987.96	36.07N	29.41W	46.54	46.54	320.80	12.30	
4025.00	29.52	320.80	4014.52	46.86N	38.22W	60.47	60.47	320.80	12.30	
4055.00	33.21	320.80	4040.13	58.96N	48.09W	76.08	76.08	320.80	12.30	
4085.00	36.90	320.80	4064.69	72.31N	58.97W	93.31	93.31	320.80	12.30	
4115.00	40.59	320.80	4088.08	86.86N	70.84W	112.08	112.08	320.80	12.30	
4145.00	44.28	320.80	4110.22	102.54N	83.63W	132.32	132.32	320.80	12.30	
4175.00	47.97	320.80	4131.01	119.30N	97.30W	153.94	153.94	320.80	12.30	
4205.00	51.66	320.80	4150.36	137.06N	111.78W	176.86	176.86	320.80	12.30	
4235.00	55.35	320.80	4168.20	155.74N	127.02W	200.97	200.97	320.80	12.30	
4265.00	59.04	320.80	4184.45	175.28N	142.96W	226.18	226.18	320.80	12.30	
4295.00	62.73	320.80	4199.05	195.59N	159.52W	252.39	252.39	320.80	12.30	

ENERGY DEVELOPMENT CORPORATION
 SAN ISEDRO #5-2
 SANDOVAL COUNTY, NEW MEXICO

Measured Depth Feet	B O R E - Inclination Deg	H O L E Direction Deg	TRUE		R E C T A N G U L A R		VERTICAL SECTION Feet	C L O S U R E S		DLS Deg/100'
			Vertical Depth Feet	C O O R D I N A T E S North/South Feet	East/West Feet	Distance Feet		Direction Deg		
4325.00	66.42	320.80	4211.92	216.58N	176.64W	279.48	279.48	320.80	12.30	
4355.00	70.11	320.80	4223.03	238.17N	194.25W	307.34	307.34	320.80	12.30	
4385.00	73.80	320.80	4232.32	260.27N	212.27W	335.86	335.86	320.80	12.30	
4415.00	77.49	320.80	4239.76	282.79N	230.64W	364.92	364.92	320.80	12.30	
4445.00	81.18	320.80	4245.31	305.63N	249.27W	394.39	394.39	320.80	12.30	
4451.67	82.00	320.80	4246.29	310.74N	253.44W	400.99	400.99	320.80	12.30	
Start curve										
4481.67	82.12	320.80	4250.43	333.77N	272.22W	430.70	430.70	320.80	.41	
4511.67	82.24	320.80	4254.51	356.80N	291.00W	460.42	460.42	320.80	.41	
4541.67	82.37	320.80	4258.52	379.84N	309.79W	490.15	490.15	320.80	.41	
4550.00	82.40	320.80	4259.63	386.24N	315.01W	498.41	498.41	320.80	.41	
Start curve										
4580.00	82.52	320.80	4263.57	409.29N	333.81W	528.15	528.15	320.80	.40	
4610.00	82.64	320.80	4267.44	432.34N	352.61W	557.90	557.90	320.80	.40	
4640.00	82.76	320.80	4271.25	455.40N	371.42W	587.66	587.66	320.80	.40	
4650.00	82.80	320.80	4272.51	463.09N	377.69W	597.58	597.58	320.80	.40	
Start curve										
4680.00	82.92	320.80	4276.24	486.16N	396.50W	627.35	627.35	320.80	.40	
4710.00	83.04	320.80	4279.90	509.23N	415.32W	657.12	657.12	320.80	.40	
4740.00	83.16	320.80	4283.51	532.31N	434.14W	686.91	686.91	320.80	.40	
4770.00	83.28	320.80	4287.05	555.40N	452.97W	716.70	716.70	320.80	.40	
4800.00	83.40	320.80	4290.53	578.49N	471.80W	746.49	746.49	320.80	.40	
4830.00	83.52	320.80	4293.95	601.59N	490.64W	776.30	776.30	320.80	.40	
4860.00	83.64	320.80	4297.30	624.69N	509.48W	806.11	806.11	320.80	.40	

ENERGY DEVELOPMENT CORPORATION
 SAN ISEDRO #5-2
 SANDOVAL COUNTY, NEW MEXICO

Measured Depth Feet	B O R E - Inclination Deg	H O L E Direction Deg	TRUE		R E C T A N G U L A R		VERTICAL SECTION Feet	C L O S U R E S		DLS Deg/100'
			Vertical Depth Feet	C O R D North/South Feet	E A S T E S East/West Feet	Distance Feet		Direction Deg		
4890.00	83.76	320.80	4300.59	647.80N	528.33W	835.93	835.93	320.80	.40	
4920.00	83.88	320.80	4303.82	670.91N	547.18W	865.75	865.75	320.80	.40	
4950.00	84.00	320.80	4306.99	694.03N	566.04W	895.59	895.59	320.80	.40	
4980.00	84.12	320.80	4310.09	717.15N	584.90W	925.42	925.42	320.80	.40	
5010.00	84.24	320.80	4313.14	740.28N	603.76W	955.27	955.27	320.80	.40	
5040.00	84.36	320.80	4316.12	763.41N	622.63W	985.12	985.12	320.80	.40	
5070.00	84.48	320.80	4319.03	786.55N	641.50W	1014.98	1014.98	320.80	.40	
5100.00	84.60	320.80	4321.89	809.70N	660.37W	1044.84	1044.84	320.80	.40	
5130.00	84.72	320.80	4324.68	832.84N	679.25W	1074.71	1074.71	320.80	.40	
5160.00	84.84	320.80	4327.41	855.99N	698.13W	1104.59	1104.59	320.80	.40	
5190.00	84.96	320.80	4330.08	879.15N	717.02W	1134.47	1134.47	320.80	.40	
5220.00	85.08	320.80	4332.68	902.31N	735.91W	1164.36	1164.36	320.80	.40	
5250.00	85.20	320.80	4335.22	925.48N	754.80W	1194.25	1194.25	320.80	.40	
5280.00	85.32	320.80	4337.70	948.65N	773.70W	1224.15	1224.15	320.80	.40	
5310.00	85.44	320.80	4340.12	971.82N	792.60W	1254.05	1254.05	320.80	.40	
5340.00	85.56	320.80	4342.47	994.99N	811.50W	1283.96	1283.96	320.80	.40	
5370.00	85.68	320.80	4344.76	1018.18N	830.40W	1313.87	1313.87	320.80	.40	
5400.00	85.80	320.80	4346.99	1041.36N	849.31W	1343.79	1343.79	320.80	.40	
5430.00	85.92	320.80	4349.15	1064.55N	868.22W	1373.71	1373.71	320.80	.40	
5460.00	86.04	320.80	4351.26	1087.74N	887.14W	1403.64	1403.64	320.80	.40	
5490.00	86.16	320.80	4353.30	1110.93N	906.05W	1433.56	1433.56	320.80	.40	
5520.00	86.28	320.80	4355.28	1134.13N	924.97W	1463.50	1463.50	320.80	.40	
5550.00	86.40	320.80	4357.19	1157.33N	943.90W	1493.44	1493.44	320.80	.40	
5580.00	86.52	320.80	4359.04	1180.54N	962.82W	1523.38	1523.38	320.80	.40	

ENERGY DEVELOPMENT CORPORATION
 SAN ISEDRO #5-2
 SANDOVAL COUNTY, NEW MEXICO

Measured Depth Feet	B O R E - Inclination Deg	H O L E Direction Deg	TRUE		R E C T A N G U L A R		VERTICAL SECTION Feet	C L O S U R E S		DLS Deg/100'
			Vertical Depth Feet	C O O R D I N A T E S North/South Feet	E a s t / W e s t Feet	Distance Feet		Direction Deg		
5610.00	86.64	320.80	4360.83	1203.74N	981.75W	1553.33	1553.33	320.80	.40	
5640.00	86.76	320.80	4362.56	1226.95N	1000.68W	1583.28	1583.28	320.80	.40	
5670.00	86.88	320.80	4364.23	1250.17N	1019.61W	1613.23	1613.23	320.80	.40	
5700.00	87.00	320.80	4365.83	1273.38N	1038.54W	1643.19	1643.19	320.80	.40	
5730.00	87.12	320.80	4367.37	1296.60N	1057.48W	1673.15	1673.15	320.80	.40	
5760.00	87.24	320.80	4368.84	1319.82N	1076.42W	1703.11	1703.11	320.80	.40	
5790.00	87.36	320.80	4370.25	1343.04N	1095.36W	1733.08	1733.08	320.80	.40	
5820.00	87.48	320.80	4371.60	1366.27N	1114.30W	1763.05	1763.05	320.80	.40	
5850.00	87.60	320.80	4372.89	1389.49N	1133.24W	1793.02	1793.02	320.80	.40	
5880.00	87.72	320.80	4374.12	1412.72N	1152.19W	1823.00	1823.00	320.80	.40	
5910.00	87.84	320.80	4375.28	1435.95N	1171.13W	1852.97	1852.97	320.80	.40	
5940.00	87.96	320.80	4376.38	1459.19N	1190.08W	1882.95	1882.95	320.80	.40	
5950.00	88.00	320.80	4376.73	1466.93N	1196.40W	1892.95	1892.95	320.80	.40	
Start curve										
5980.00	88.10	320.80	4377.75	1490.16N	1215.35W	1922.93	1922.93	320.80	.33	
6010.00	88.20	320.80	4378.72	1513.40N	1234.30W	1952.91	1952.91	320.80	.33	
6040.00	88.30	320.80	4379.64	1536.64N	1253.25W	1982.90	1982.90	320.80	.33	
6070.00	88.40	320.80	4380.50	1559.88N	1272.20W	2012.89	2012.89	320.80	.33	
6100.00	88.50	320.80	4381.32	1583.12N	1291.16W	2042.88	2042.88	320.80	.33	
6130.00	88.59	320.80	4382.08	1606.36N	1310.11W	2072.87	2072.87	320.80	.33	
6160.00	88.69	320.80	4382.79	1629.60N	1329.07W	2102.86	2102.86	320.80	.33	
6190.00	88.79	320.80	4383.45	1652.84N	1348.03W	2132.85	2132.85	320.80	.33	
6220.00	88.89	320.80	4384.06	1676.08N	1366.98W	2162.85	2162.84	320.80	.33	
6250.00	88.99	320.80	4384.61	1699.33N	1385.94W	2192.84	2192.84	320.80	.33	

ENERGY DEVELOPMENT CORPORATION
 SAN ISEURO #5-2
 SANDOVAL COUNTY, NEW MEXICO

Measured Depth Feet	B O R E - Inclination Deg	H O L E Direction Deg	TRUE Vertical Depth Feet	R E C T A N G U L A R C O O R D I N A T E S		VERTICAL SECTION Feet	C L O S U R E S		DLS Deg/100'
				North/South Feet	East/West Feet		Distance Feet	Direction Deg	
6253.00	89.00	320.80	4384.66	1701.65N	1387.83W	2195.84	2195.84	320.80	.33

PBHL
 Final Station Closure Distance: 2195.84 Feet; Direction: N39.12W