

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

FORM APPROVED  
BUDGET BUREAU NO. 1004-0135  
EXPIRES MARCH 31, 1993

5. Lease Designation and Serial No.  
NM-36096

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT--<sup>93 DEC 5 PM 3:33</sup> for such proposals: 33

SUBMIT IN TRIPLICATE

010 ALBUQUERQUE, N.M.

1. Type of Well:

Cil ☐ Gas ☐  
Well ☒ Well ☐ Other ☐

2. Name of Operator:

Energy Development Corporation

3. ADDRESS OF OPERATOR

1000 Louisiana, Ste. 2900, Houston, TX 77002

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

Section 12-T20N-R3W, Surface: 2372' FWL & 2290' FSL  
PBHL: 1913' FWL & 1345' FWL

6. If Indian, Allocate or Tribe Name  
NA

7. If Unit or CA, Agreement Designation  
San Isidro (Shallow)

8. Well Name and No.  
San Isidro No. 12-11

9. API Well No.  
30-043-20895

10. Field and Pool, or Exploratory Area  
Mancos

11. County or Parish, State  
Sandoval County, NM

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 Drilling Report

☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report result on multiple completion on Well Completion or Recompletion Report 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 location and measured and true vertical depths for all markers and zones pertinent to this work).

See attached Daily Drilling Report for November 13, 1993 thru December 3, 1993.

**RECEIVED**  
DEC 23 1993  
**OIL CON. DIV.**  
DIST. 3

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

Signed Mark G. Gerding Title Supervisor, Reg. & Environ. Affairs Date 12-3-93

(This space for Federal or State office use)

(Original Signed) HECTOR A. VILLALOBOS

AREA MANAGER  
RIO PUERCO RESOURCE AREA

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date DEC 21 1993

DATE 12/03/93  
TIME 14 57 06

ENERGY DEVELOPMENT CORPORATION  
DAILY DRILLING REPORTING SYSTEM  
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ONSHORE REGION

NEW MEXICO

Field/County: RIO PUERCO, SANDOVAL

SAN SIDRO 12-11 PUD

OPER: ENERGY DEVELOPMENT CORPORATION WB/ZONE: 02344 01

WELL TYPE : OIL  
WELL CTGY : DEV WI : 0.99790400  
OBJECTIVE : DRILL A 5,500' VERTICAL WELL, PLUG BACK AND DRILL TWO (2) 1,700'  
HORIZONTAL WELLS.  
AFB NO : 93-20-00-25 EST TOTAL COST : \$ 996,500 SPUD DATE : 10/27/93  
RIG NAME : BIG A 34  
LOCATION : SEC 12-T20N-R3W, 2372' FWL & 2290' FSL

CASING: 9.625 K55 350 36.0  
CASING: 7.000 J55 3311 23.0

11/13/93 TD: 5395 PROGRESS : TOTAL FOOTAGE : 5395  
MUD WEIGHT : VISCOSITY: WATER LOSS :  
WELL STATUS : DR PBD : 3442  
CUR ACTIVITY: TIH W/STEERING TOOL

11/13/93 GIH w/RR Bit #5, (9) 4-3/4" DC's & 32 jts HWDP. WOC. GIH, tag cmt @ 3210'.  
(calc top @ 3170'). PU kelly. Drill 3210-3240' @ 90 FPM w/6000#, 45 RPM. Drill 3240-3270' @ 30 FPM  
w/5000#, 45 RPM. Drill 3270-3280' @ 20 FPM w/1200#, 60 RPM. Drill 3280-3442' @ 40 FPM w/20,000 @ 90  
RPM. Checked last 5' @ 12,000#, 90 RPM=20 FPM (cmt good & hard). Blow KCL water out w/air. POOH, LD  
59 jts 3-1/2" DP and (9) 4-3/4" steel DC's. Rig svc. PU kick-off assy. Oriented directional tool  
TIH. GIH w/radius steering tool & gamma ray on wireline (wet-connect sub @ 3322' above bit, survey  
tool @ 40' above bit, gamma ray tool @ 51' above bit).

DAILY COMPLETION COST	:	\$	0	DAILY MUD COST	:	\$
CUM COMPLETION COST	:	\$	0	CUM MUD COST	:	\$
DAILY DRYHOLE COST	:	\$		TOTAL WELL COST	:	\$
CUM DRYHOLE COST	:	\$				

11/14/93 TD: 3518 PROGRESS : TOTAL FOOTAGE : 5395  
MUD WEIGHT : VISCOSITY: WATER LOSS :  
WELL STATUS : DR PBD : 5395  
CUR ACTIVITY: POH W/GAMMA RAY & STEERING TOOL ON RADIUS WL

11/14/93 Latched into mule show w/steering tool & gamma tool. Blow hole, Est circ w/  
air mist. Slide drilling 3442-3488' w/6-8000#, 230 MRPM, 1600 ft3 @ 675-750 psi, 40 GPM inj rate.  
Survey, connections & pressure up. Motor stalled out. Attempted to get motor going. Motor not  
working. Blow hole clean w/air. POOH, motor work out of hole. Changed out motors. TIH w/new motor,  
checking every connection and breaking circ every 8 stands. GIH w/steering tool & gamma ray on WL.  
Install wet-connect sub. PU kelly & blow hole clean w/air mist. Slide drilling 3488-3518' w/6000#,  
230 MRPM, 1600 ft3 @ 700 psi, 40 GPM inj rate.

DAILY COMPLETION COST	:	\$	0	DAILY MUD COST	:	\$
CUM COMPLETION COST	:	\$	0	CUM MUD COST	:	\$
DAILY DRYHOLE COST	:	\$		TOTAL WELL COST	:	\$
CUM DRYHOLE COST	:	\$				

11/15/93 TD: 3744 PROGRESS : TOTAL FOOTAGE : 5395  
MUD WEIGHT : VISCOSITY: WATER LOSS :  
WELL STATUS : DR PBD : 5395  
CUR ACTIVITY: SLIDE DRILLING & BUILDING ANGLE @ 3744'

11/15/93 POOH w/Radius tools on WL. Work on gamma tool. TIH & seat tools, install  
wet-connect tool. GIH. Slide drilling 3518-3612' w/8-10,000#, 230 MRPM, 1600 ft3 @ 650 psi, 40 GPM  
inj rate. Slide drilling 3644-3665' w/8-10,000#, 230 MRPM, 1600 ft3 @ 650-700 psi, 40 GPM inj rate.  
Rotate drilling 3665-3675' w/10,000#, 45-230 RPM, 1600 ft3 @ 700 psi, 40 GPM inj rate. Pressure built  
up to 1500 psi, bled off same. Worked pipe, no drag. Pressure up & bled off. Pressure up & circ,  
OK (appears plugging on inside of string). Slide drill 3675-3698' w/10,000 psi, 230 MRPM, 1600 ft3 @  
700 psi, 40 GPM inj rate. DP pressured up to 1500 psi. Bled air pressure off, built pressure up.  
Repeated same procedure 3 times, still plugged. Loaded drill string w/25 bbls 6% KCL water.  
Pressured to 1800 psi. Worked pipe up & down, obstruction inside came loose. Circ out 25 BW w/air

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SAN ISIDRO 12-11 PUD (continued)

mist. Rotate drill 3699-3706' w/10,000#, 45 RPM, 230 MRPM, 1600 ft3 @ 700 psi, 40 GPM inj rate. Radius WL frayed. Cut & splice same. GIH w/female, connection tools not working properly. PU to wet connect. POOH w/steering tool & gamma tool. Work on gamma tool. Re-headed same. GIH & latch into mule shoe. Installed wet-connect. Checked tool, working OK. Change out 6" valve on blowie line. Slide drilling 3706-3744' w/6000#, 230 MRPM, 1600 ft3 @ 700 psi, 40 GPM inj rate.

DAILY COMPLETION COST	:	\$	0	DAILY MUD COST	:	\$
CUM COMPLETION COST	:	\$	0	CUM MUD COST	:	\$
DAILY DRYHOLE COST	:	\$		TOTAL WELL COST	:	\$
CUM DRYHOLE COST	:	\$				

11/16/93 TD: 4169	PROGRESS :	TOTAL FOOTAGE : 5395
MUD WEIGHT :	VISCOSITY:	WATER LOSS :
WELL STATUS : DR	PBTD : 5395	
CUR ACTIVITY: RE-HEADING LINE TO RADIUS TOOLS		

11/16/93 Slide drilling 3744-3761' w/8000#, 230 MRPM, 1600 ft3 @ 900 psi, 40 GPM inj rate. Slide drilling 3761-3978' w/8000#, 230 MRPM, 1600 ft3 @ 700/750 psi, 40 GPM inj rate. Slide drlg 3978-4141' w/8000#, 230 MRPM, 1600 ft3 @ 700/750 psi, 40 GPM inj rate. Taking surveys w/radius steering tool and logging w/radius gamma ray. Gamma tool quit working. POOH w/female & greased same. Added weight bar & re-connect. Slide drilling 4141-4169' w/8000#, 230 MRPM, 1600 ft3 @ 750 psi, 40 GPM inj rate. POOH w/steering tool & gamma ray on radius wireline. Re-head line on top of tools.

DAILY COMPLETION COST	:	\$	0	DAILY MUD COST	:	\$
CUM COMPLETION COST	:	\$	0	CUM MUD COST	:	\$
DAILY DRYHOLE COST	:	\$		TOTAL WELL COST	:	\$
CUM DRYHOLE COST	:	\$				

11/17/93 TD: 4339	PROGRESS :	TOTAL FOOTAGE : 5395
MUD WEIGHT :	VISCOSITY:	WATER LOSS :
WELL STATUS : DR	PBTD : 5395	
CUR ACTIVITY: POOH FOR NEW BIT		

11/17/93 Finished re-heading gamma tool. TIH, latch same in mule shoe sub, install wet-connect tool. TIH, set Crown-o-matic 5' from crown. WO new target. Rotate drill 4169-4204' w/8000#, 30 MRPM, 1600 ft3, 750 psi, 40 GPM inj rate. WO new target. LD 1 jt, ream 4172-4204'. Rotate drill 4204-4212'. Slide drill 4212-4235' w/8000#, 230 MRPM, 1600 ft3 @ 750 psi, 40 GPM inj rate. Rotate drill 4235-4287'. Slide drill 4312-4328' w/8000#, 230 MRPM, 1600 ft3 @ 750 psi, 40 GPM inj rate. Connections, survey & gamma log. Slide drill 4328-4339'. Blow hole clean, survey, POH for new bit.

DAILY COMPLETION COST	:	\$	0	DAILY MUD COST	:	\$
CUM COMPLETION COST	:	\$	0	CUM MUD COST	:	\$
DAILY DRYHOLE COST	:	\$		TOTAL WELL COST	:	\$
CUM DRYHOLE COST	:	\$				

11/18/93 TD: 4500	PROGRESS :	TOTAL FOOTAGE : 5395
MUD WEIGHT :	VISCOSITY:	WATER LOSS :
WELL STATUS : DR	PBTD : 5395	
CUR ACTIVITY: DRILLING		

11/18/93 POOH, MU Bit #7 & GIH to 3224'. GIH w/steering tool & gamma tool. Radius operator GIH too fast & noticed he was 200' from mule shoe landing sub. Put brake on too fast & steering tool & gamma tool came loose @ head. POOH w/wireline. POOH w/drilling string, retrieve steering tool, gamma ray & mule shoe guide. Gamma ray tool not working and mule shoe guide bent due to dropping tool. Changed out gamma & guide. GIH to 3224'. GIH w/radius tool on WL & set in mule shoe sub, install wet-connect sub. GIH w/Bit #7 to btm, pressure up & established air circ. Slide drill w/8000#, 230 MRPM, 1600 ft3 @ 600 psi, 40 GPM inj rate 4339-4359'. Survey, log & connections @ 4318'.

DAILY COMPLETION COST	:	\$	0	DAILY MUD COST	:	\$
CUM COMPLETION COST	:	\$	0	CUM MUD COST	:	\$
DAILY DRYHOLE COST	:	\$		TOTAL WELL COST	:	\$
CUM DRYHOLE COST	:	\$				

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11/19/93 TD: 4500      PROGRESS :      TOTAL FOOTAGE : 5395  
MUD WEIGHT :      VISCOSITY:      WATER LOSS :  
WELL STATUS : DR      PBDT : 5395  
CUR ACTIVITY: POH FOR NEW MOTOR

11/19/93 Rotate drill 4500-4515', 8,000-10,000#, 30 & 230 RPM, 1600 ft3 @ 700 psi, 40 GPM inj rate. Survey, log & connections. Work on hydraulic unit on Radius truck. Slide drill 4515-4541' w/8000#, 230 MRPM, 1600 ft3 @ 700 psi, 40 GPM inj rate. Survey, log, connection. WO new target from Geology. Steering tool not working. POOH on WL w/female connection. Reheaded & greased same. GIH & connections still not working. POOH w/DP to wet-connect sub. POOH on WL w/steering tool & gamma tool. Centralizer broken between steering tool & gamma. Released steering tool & stabilizer. Orient tool & GIH on WL. Set same in mule shoe sub. TIH, had bridge @ 4300'. PU kelly & rotate thru bridge. GIH, had 2nd bridge @ 4361'. PU kelly, pressure up w/air & rotate thru bridge (approx 5'). FIH, tag btm, pressure up string. Slide drill 4541-4651' w/8000 psi, 30 & 230 MRPM, 1600 ft3 @ 800 psi, 40 GPM inj rate, surveying & logging w/Radius. Bled down string, sting into wet-connect, pressure up string. Rotate drill 4659-4672' w/8000#, 30-230 MRPM, 1600 ft3 @ 700 psi, 40 GPM inj rate. Survey, log, connections. Attempt to drill, motor not working. Working w/same. Pump 25 bbls 6% KCL water & blow around w/air-motor still not working. POOH to change out motor.

DAILY COMPLETION COST	:	\$	0	DAILY MUD COST	:	\$
CUM COMPLETION COST	:	\$	0	CUM MUD COST	:	\$
DAILY DRYHOLE COST	:	\$		TOTAL WELL COST	:	\$
CUM DRYHOLE COST	:	\$				

11/20/93 TD: 4672      PROGRESS :      TOTAL FOOTAGE : 5395  
MUD WEIGHT :      VISCOSITY:      WATER LOSS :  
WELL STATUS : DR      PBDT : 5395  
CUR ACTIVITY: PRESSURE UP DRILL PIPE TO DRILL

11/20/93 POOH to check motor. Change motors (shaft to bit housing broke). PU new bit #8 (2-grease plugs out on Bit #7). MU BHA, cut 150' DL, set crown-o-matic 5' from crown. TIH to 3220'. GIH w/Radius tool on wireline, set same. MU wet connect sub. Check tools, working OK. TIH to 4342'. Pressure up & rotate thru tight spot 4342-4352. High degree dog leg thru this interval (4318-10, 4350-11.9, 4382-15.3). TIH to 4672'. Pressure up w/air, no power feed-thru to steering tool. POOH w/DP to wet-connect sub. POOH w/Radius tool on wireline. Found broken ground wire on gamma tool. Replaced gamma tool & hard-wired connection from gamma to steering tool. Check tool, working OK @ surface. Run Radius tool in hole on wireline, seat same. MU wet-connect sub & check tool, OK. GIH w/DP to 4672'. Pressure up w/air, circ well. Radius tools not working. POOH w/DP to wet-connect sub. POOH on wireline w/Radius tools. Changed to new gamma & new steering tool. Check tools, OK @ surface. GIH on WL w/Radius tools, set same in mule shoe sub. Install wet-connect & check tool, OK. GIH w/DP to bottom @ 4672'.

DAILY COMPLETION COST	:	\$	0	DAILY MUD COST	:	\$	0
CUM COMPLETION COST	:	\$	0	CUM MUD COST	:	\$	
DAILY DRYHOLE COST	:	\$		TOTAL WELL COST	:	\$	
CUM DRYHOLE COST	:	\$					

11/21/93 TD: 4909      PROGRESS :      TOTAL FOOTAGE : 5395  
MUD WEIGHT :      VISCOSITY:      WATER LOSS :  
WELL STATUS : DR      PBDT :  
CUR ACTIVITY: ROTATE DRILLING

11/21/93 Pressure up w/air & establish circ. Rotate & slide drilling 4672-4909', rotating w/8000#, 45 & 230 RPM 1600 ft3 @ 800-900 psi, 40 GPM inj rate. Slide drilling w/10,000#, 230 RPM, 1600 ft3 @ 800-900 psi, 40 GPM inj rate. Surveying, logging & making connections for 7 hrs.

DAILY COMPLETION COST	:	\$	0	DAILY MUD COST	:	\$
CUM COMPLETION COST	:	\$	0	CUM MUD COST	:	\$
DAILY DRYHOLE COST	:	\$		TOTAL WELL COST	:	\$
CUM DRYHOLE COST	:	\$				

11/22/93 TD: 5240      PROGRESS :      TOTAL FOOTAGE : 5395  
MUD WEIGHT :      VISCOSITY:      WATER LOSS :  
WELL STATUS : DR      PBDT :  
CUR ACTIVITY: SLIDE DRILLING

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11/22/93 Rotate & slide drilling 4909-5240'. Rotate drill w/8000#, 45 + 230 RPM, 1600 ft3 @ 850-9000 psi, 40 GPM inj rate. Slide drilling w/10,000# 230 MRPM, 1600 ft3 @ 850-900 psi, 40 GPM inj rate. Surveying, logging & connections for 9 hrs.

DAILY COMPLETION COST	:	\$	0	DAILY MUD COST	:	\$
CUM COMPLETION COST	:	\$	0	CUM MUD COST	:	\$
DAILY DRYHOLE COST	:	\$		TOTAL WELL COST	:	\$
CUM DRYHOLE COST	:	\$				

11/23/93 TD: 5262	PROGRESS :	TOTAL FOOTAGE : 5395
MUD WEIGHT :	VISCOSITY:	WATER LOSS :
WELL STATUS : DR	PBTD :	
CUR ACTIVITY: WORKING PIPE		

11/23/93 Slide & rotate drill 5240-5262'. Slide drill w/10,000-12,000#, 250 MRPM, 1600 ft3 @ 950 psi, 40 GPM inj rate. Rotate drill 8000-10,000#, 43 & 230 RPM, 1600 ft3 @ 950 psi, 40 GPM inj rate. Survey, log & connections for 1/2 hr during this period. Made 6" in 30 min, bit not drilling. Work pipe, trying to make bit drill, no success. Blow hole clean w/air mist for trip. POOH w/DP to wet-connect sub. POOH on wireline w/Radius steering tool & gamma tool. LD wet-connect sub (T.D. Leg #1-5262'). GIH to 5262' and load hole w/85 bbls 6% KCL water. Open hole volume 5262-3541' plus 30% excess. POOH, LD 55 jts 3-1/2" DP. Blow hole clean @ 3541' w/air. Stand pipe pressure-250 psi, no water returns. POOH w/Bit #8 to change BHA for Leg #2. PU Bit #9 and new 4/5 motor w/1.83 deg bend in housing. Orient tool face & surface test motor, OK. TIH to 3233'. GIH on wireline w/Radius tool. MU wet connect sub, check out Radius tool, OK. TIH to 3541' (K.O.P. for Leg #2. Pressure up string w/air mist. Radius gamma tool not working. POOH to wet-connect sub. POOH w/Radius tool and changed out gamma tool. TIH w/same. Checked tools @ surface and set in mule shoe, OK. Pressure up w/air mist & get returns. Radius tools working. Working but up and down 3531-3541', building trough for kick-off @ 3541'. Tool face @ 135 deg left.

DAILY COMPLETION COST	:	\$	0	DAILY MUD COST	:	\$
CUM COMPLETION COST	:	\$	0	CUM MUD COST	:	\$
DAILY DRYHOLE COST	:	\$		TOTAL WELL COST	:	\$
CUM DRYHOLE COST	:	\$				

11/24/93 TD: 3633	PROGRESS : 92	TOTAL FOOTAGE : 5487
MUD WEIGHT : 8.60	VISCOSITY: 30.00	WATER LOSS :
WELL STATUS : DR	PBTD :	
CUR ACTIVITY: SLIDE DRLG @ 3633'.		

Slide drlg 5 min/inch f/3541-3551'. Slide drlg 2-1/2 min/inch f/3551-3556'. Slide drlg 1 min/inch f/3556-3561'. Rotate drlg f/3561-3586' w/7000-8000#, 40 & 290 RPM, 1600 ft3 @ 800 psi w/40 GPM inj rate. Svy, log & conn. Radius tool failing. POOH to wet conn & LD same. POOH w/Radius tools on WL & chg out gamma tool. Checked for feed thru to steering tool, ok. GIH on WL & set Radius tool in muleshoe. GIH w/bit to 3541'. Orient tool face to 135' left & slide in new hole. GIH to 3586' & press up w/air. Slide drlg f/3586-3606' w/8000#, 230 M-RPM, 1600 ft3 @ 900 psi, 40 GPM inject rate. Rotate drlg f/3606-3618' w/8000#, 40 & 230 RPM, 1600 ft3 @ 900 psi, 40 GPM inj rate. Svy, log conn. Slide drlg f/3618-3633' w/8000#, 230 M-RPM, 1600 ft3 @ 900 psi, 40 GPM inj rate.

DAILY COMPLETION COST	:	\$	0	DAILY MUD COST	:	\$
CUM COMPLETION COST	:	\$	0	CUM MUD COST	:	\$
DAILY DRYHOLE COST	:	\$		TOTAL WELL COST	:	\$
CUM DRYHOLE COST	:	\$				

11/25/93 TD: 3931	PROGRESS : 298	TOTAL FOOTAGE : 5785
MUD WEIGHT :	VISCOSITY:	WATER LOSS :
WELL STATUS : DR	PBTD :	
CUR ACTIVITY: PRESSURING UP WELL, PREP TO CONTINUE DRILLING		

11/25/93 Slide & rotate drill 3633-3931'. Slide drill w/8000#, 150 MRPM, 1600 ft3 @ 850 psi, 40 GPM KCL mist injected. Rotate drill w/8000#, 30 & 150 MRPM, 1600 ft3 @ 850 psi, 40 GPM KCL water inj. Surveying, logging & connections for 4-1/2 hrs. Not building angle fast enough. POOH to wet connect w/drill pipe. LD wet connect sub, pull Radius tools on wireline. POOH w/Bit #9. LD motor. PU new bit #10, 7/8" true-drill motor w/2.12 deg bent housing and make up same. Orient tools, test OK. TIH to 3232', MU wet connect sub. GIH w/Radius tools to 760', hit obstruction (in 10th jt down from top of HWDP). POOH 5 stands to 2764'. GIH w/Radius tools, work thru obstruction @ 468', work tool 300' past obstruction, OK. GIH to 3232'. TIH w/Radius tools on WL, set

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same in mule shoe sub. Install wet-connect. TIH to 3921' (had 10' fill and had to orient tool into Leg #2).

DAILY COMPLETION COST	:	\$	0	DAILY MUD COST	:	\$
CUM COMPLETION COST	:	\$	0	CUM MUD COST	:	\$
DAILY DRYHOLE COST	:	\$		TOTAL WELL COST	:	\$
CUM DRYHOLE COST	:	\$				

11/26/93 TD: 4118	PROGRESS : 187	TOTAL FOOTAGE : 5972
MUD WEIGHT :	VISCOSITY:	WATER LOSS :
WELL STATUS : DR	PBTD :	
CUR ACTIVITY: SLIDE DRILLING		

11/26/93 Pressure up well, establish circ, WTB 10' @ 3931'. Slide drill 3931-4025' w/5000#, 150 MRPM, 1600 ft3 @ 650 psi, 40 GPM inj rate, survey, log, connections (penetration rate 20.8). Blow hole clean for trip (hole angle not building fast enough, should be building angle @ 13 deg/100', only building @ 10 deg/100'.) POOH to wet connect, Radius pulled tools on wireline. POOH, changed angle on motor housing from 2.12 deg to 3 deg. TIH to 3232'. RIH on WL w/Radius tool, set in mule shoe sub, install wet connect sub. Orient into new hole (Leg #2) @ 3541'. FIH. WO N.W. Air to repair electric problem to their motors. Slide drill 4025-4118' w/4000-8000#, 150 MRPM, 1600 ft3 @ 800 psi, 40 GPM inj rate, survey, log, connections (13.3 FPH average penetration rate).

DAILY COMPLETION COST	:	\$	0	DAILY MUD COST	:	\$
CUM COMPLETION COST	:	\$	0	CUM MUD COST	:	\$
DAILY DRYHOLE COST	:	\$		TOTAL WELL COST	:	\$
CUM DRYHOLE COST	:	\$				

11/27/93 TD: 4193	PROGRESS : 75	TOTAL FOOTAGE : 6047
MUD WEIGHT :	VISCOSITY:	WATER LOSS :
WELL STATUS : DR	PBTD :	
CUR ACTIVITY: TIH		

11/27/93 Slide drill 4118-4164' w/6000-8000#, 150 MRPM, 1600 ft3 @ 800-900 psi, 40 GPM inj rate, surveying, logging & connections. Greased WL tool. Slide drill 4164-4193' w/6000#, 150 MRPM, 1600 ft3 @ 880-900 psi, 40 GPM inj rate. Penetration rate dropped to 4.5 FPH last hr. POOH to wet connect, LD same. TIH to 4193'. Run gamma tool to 4100'. Pump gamma tool 4100-4150' w/air. Log 4150-3425'. POOH on WL w/gamma tool. POOH w/Bit #10. Change angle on 7/8 motor from 3 deg to 1.83 deg. MU Bit #11. Slip & cut 120' DL.

DAILY COMPLETION COST	:	\$	0	DAILY MUD COST	:	\$
CUM COMPLETION COST	:	\$	0	CUM MUD COST	:	\$
DAILY DRYHOLE COST	:	\$		TOTAL WELL COST	:	\$
CUM DRYHOLE COST	:	\$				

11/28/93 TD: 4251	PROGRESS : 58	TOTAL FOOTAGE : 6105
MUD WEIGHT :	VISCOSITY:	WATER LOSS :
WELL STATUS : DR	PBTD :	
CUR ACTIVITY: MU OVERSHOT		

11/28/93 TIH, rabbit drift HWDP, OK. GIH w/Radius tool on WL, install wet connect sub @ 3232'. Finish TIH. W&R 4141-4193'. Log 54' of hole. Slide drill 4193-4262' w/6,000-12,000#, 150 MRPM, 1600 ft3 @ 800-950 psi, 40 GPM inj rate, surveying, logging & connections. Survey, attempt to log, no log. Had tight hole, 60,000# drag. Pressure up, clean hole to 4242', CBU. Log hole. Slide drill 4242-4251' w/6,000-8,000#, 150 MRPM, 1600 ft3 @ 880 psi, 40 GPM inj rate. Had tight hole 60,000# over pull, pressure up & break circ w/880 psi. Circ, work tight spot. Bled off, LD 1 jt. Ream 4211-4232' w/2000#, 30 & 150 RPM, 1600 ft3 @ 800 psi, 40 GPM inj rate. Pump 20 high soap & polymer sweep. Bled off air. Repair check valve failure on air system. Pressure up, circ, attempt to ream @ 100 RPM & 10,000-20,000#, would not drill (assumed pipe parted close to motor-lack 19' getting to bottom). Called Homco fishing tools. TOH. Left motor & bit, float sub, fire float sub, firestop sub in hole. Pipe parted just below box on firestop sub. WO fishing tools. MU OS, grapple, bumper jars & hydraulic jars.

DATE 12/03/93  
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SAN ISIDRO 12-11 PUD (continued)

DAILY COMPLETION COST	:	\$	0	DAILY MUD COST	:	\$
CUM COMPLETION COST	:	\$	0	CUM MUD COST	:	\$
DAILY DRYHOLE COST	:	\$		TOTAL WELL COST	:	\$
CUM DRYHOLE COST	:	\$				

11/29/93 TD: 4324	PROGRESS :	73	TOTAL FOOTAGE :	6178
MUD WEIGHT :	VISCOSITY:		WATER LOSS :	
WELL STATUS : DR	PBTD :			
CUR ACTIVITY: SLIDE DRILLING				

11/29/93 GIH w/fishing assembly. Pressure up on string, work pipe, set down on fish @ 4213'. Work fish into grapple. Circ pressure inc from 425 psi to 900 psi. COOH, recovered all fish. Break out overshot from fish. WO new float subs. Replace float sub, fire float sub, fire stop sub and stop sub w/new inspected subs. TIH to wet connect @ 3232'. TIH w/Radius tools, install wet connect. FIH to 4251'. Pressure up w/air & establish circ. Slide drill 4251-4324' w/8000#, 150 MRPM, 1600 ft3 @ 900 psi, 40 GPM inj rate, surveying, logging and connections.

DAILY COMPLETION COST	:	\$	0	DAILY MUD COST	:	\$
CUM COMPLETION COST	:	\$	0	CUM MUD COST	:	\$
DAILY DRYHOLE COST	:	\$		TOTAL WELL COST	:	\$
CUM DRYHOLE COST	:	\$				

11/30/93 TD: 4491	PROGRESS :	167	TOTAL FOOTAGE :	6345
MUD WEIGHT :	VISCOSITY:		WATER LOSS :	
WELL STATUS : DR	PBTD :			
CUR ACTIVITY: REAMING				

11/30/93

Slide drill & rotate drill 4324-4460' w/8000#, 150 MRPM, 1600 ft3 @ 900 psi, 40 GPM inj rate. Rotate drill w/8000#, 30 & 150 RPM, 1600 ft3 @ 900 psi, 40 GPM inj rate. Survey, log, connections. Ream 4428-4460' w/2000#, 30 & 150 MRPM, 1600 ft3 @ 900 psi, 40 GPM inj rate. Survey, log, connections. Rotate drill 4460-4491' w/8000#, 30 & 150 MRPM, 1600 ft3 @ 900 psi, 40 GPM inj rate. Ream 4398-4460' w/2000#, 30 & 150 MRPM, 1600 ft3 @ 900 psi, 40 GPM inj rate. Re-surveying & conns. Set tool face @ 180 deg, slide ream 4398-4460' w/2000#, 150 MRPM, 1600 ft3 @ 900 psi, 40 GPM IR. Re-survey & connections. Radius wireline frayed inside kelly, cut out birds nest plus 600' of line. Slide reaming at 180 deg T.F. 4398-4491' w/2000#, 150 MRPM, 1600 ft3 @ 900 psi, 40 GPM inj rate. Re-surveying & connections.

DAILY COMPLETION COST	:	\$	0	DAILY MUD COST	:	\$
CUM COMPLETION COST	:	\$	0	CUM MUD COST	:	\$
DAILY DRYHOLE COST	:	\$		TOTAL WELL COST	:	\$
CUM DRYHOLE COST	:	\$				

12/01/93 TD: 4725	PROGRESS :	234	TOTAL FOOTAGE :	6579
MUD WEIGHT :	VISCOSITY:		WATER LOSS :	
WELL STATUS : DR	PBTD :			
CUR ACTIVITY: DRILLING				

12/1/93 Slide ream 4460-4491 w/2000#, 150 MRPM, 1600 ft3 @ 800 psi, 40 GPM inj rate. Radius operator pulled female connection into packoff and parted wireline, dropping female connection. PCOH w/bit to wet connect sub, recovered female connection. Re-head male and female, test tools, OK. TIH. Pressure up w/air and establish circ. Rotate & slide drill 4491-4725' w/8000#, 30 & 150 MRPM, 1600 ft3 @ 800 psi, 40 GPM inj rate. Slide drill w/8000#, 150 MRPM, 1600 ft3 @ 800 psi, 40 GPM inj rate. Survey, log, connections.

DAILY COMPLETION COST	:	\$	0	DAILY MUD COST	:	\$
CUM COMPLETION COST	:	\$	0	CUM MUD COST	:	\$
DAILY DRYHOLE COST	:	\$		TOTAL WELL COST	:	\$
CUM DRYHOLE COST	:	\$				

12/02/93 TD: 4891	PROGRESS :	166	TOTAL FOOTAGE :	6745
MUD WEIGHT :	VISCOSITY:		WATER LOSS :	
WELL STATUS : DR	PBTD :			
CUR ACTIVITY: PREP TO KICK OFF SIDETRACK				

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SAN ISIDRO 12-11 PUD (continued)

12/2/93 Slide & rotate drill 4725-4891'. Slide drill w/8000#, 150 MRPM, 1600 ft3 @ 850-900 psi, 40 GPM inj rate. Rotate drill 8000#, 30 & 150 RPM, 1600 ft3 @ 850-900 psi, 40 GPM inj Survey, log, connections. WOO 2 hrs. Blow hole clean for trip @ 4891'. POOH w/bit to wet connect. POOH w/Radius tool on WL. FOOH. PU new bit #12 and change 7/8 motor setting to 3 deg. TIH. POOH, LD 33 jts 3-1/2" DP. RU wet connect and tools. FIH to 3808' (kick-off point for Leg #3). Survey, setting tool face and pressure up system.

DAILY COMPLETION COST	:	\$	0	DAILY MUD COST	:	\$
CUM COMPLETION COST	:	\$	0	CUM MUD COST	:	\$
DAILY DRYHOLE COST	:	\$		TOTAL WELL COST	:	\$
CUM DRYHOLE COST	:	\$				

12/03/93 TD: 3965	PROGRESS : 155	TOTAL FOOTAGE : 6900
MUD WEIGHT :	VISCOSITY:	WATER LOSS :
WELL STATUS : DR	PBTD :	
CUR ACTIVITY: SLIDE DRILLING @ 3954'		

12/3/93 Survey, set tool face. Time drill 3810-3820' w/0-200#, 150 MRPM, 1200 ft3 @ 600 psi, 40 GPM inj rate (5'/inch). Time drill 3820-3825' @ 2-1/2 min/inch. Slide drill 3825-3965', 600-800#, 150 MRPM, 1600 ft3 @ 650 psi, 40 GPM inj rate. Survey, log, connections.

DAILY COMPLETION COST	:	\$	0	DAILY MUD COST	:	\$
CUM COMPLETION COST	:	\$	0	CUM MUD COST	:	\$
DAILY DRYHOLE COST	:	\$		TOTAL WELL COST	:	\$
CUM DRYHOLE COST	:	\$				

\*\*\* END OF REPORT \*\*\*