

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

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.

5. Lease Designation and Serial No.
NM-36096

6. If Indian, Allocate or Tribe Name
NA

SUBMIT IN TRIPLICATE

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

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

9. API Well No.
30-043-20095

10. Field and Pool, or Exploratory Area
Mancos

11. County or Parish, State
Sandoval County, NM

1. Type of Well:
Oil ☐ 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

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 December 3 thru December 14, 1993.

RECEIVED
DEC 30 1993
OIL CON. DIV.
DIST. 3

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

Signed Mark S. Gerding Title Supervisor, Reg. & Environ. Affairs Date 12-14-93

Mark S. Gerding

(This space for Federal or State office use)

Approved by SHIRLEY MONDY Acting AREA MANAGER
Title RIO PUERCO RESOURCE AREA Date DEC 22 1993

DATE 12/14/93
TIME 17 00 24

ENERGY DEVELOPMENT CORPORATION
DAILY DRILLING REPORTING SYSTEM
DAILY DRILLING REPORT
12/03/1993 - 12/14/1993

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ONSHORE REGION

NEW MEXICO

Field/County: RIO PUERCO, SANDOVAL

SAN ISIDRO 12-11

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.
AFE NO : 93-20-00-25 EST TOTAL COST : \$ 996,500 SPUD DATE : 10/27/93
LOCATION : SEC 12-T20N-R3W, 2372' FWL & 2290' FSL

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

12/03/93 TD: 3965 PROGRESS : 155 TOTAL FOOTAGE : 6900
MUD WEIGHT : VISCOSITY: WATER LOSS :
WELL STATUS : DR PBDT :
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	:	\$				

12/04/93 TD: 4267 PROGRESS : 302 TOTAL FOOTAGE : 7202
MUD WEIGHT : VISCOSITY: WATER LOSS :
WELL STATUS : DR PBDT :
CUR ACTIVITY: BLOWING HOLE CLEAN PRIOR TO TRIP FOR ANGLE CHANGE

12/4/03 Slide drill 3965-4267' w/8000#, 150 MRPM, 1600 ft3 @ 900 psi, 40 GPM inj rate w/2 gal soap/20 bbls. Survey, log, connections. Blow hole clean prior to trip for angle change on motor from 3 deg to 1.83 deg.

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

12/05/93 TD: 4466 PROGRESS : 199 TOTAL FOOTAGE : 7401
MUD WEIGHT : VISCOSITY: WATER LOSS :
WELL STATUS : DR PBDT :
CUR ACTIVITY: ROTATE DRILLING @ 4466'

POOH w/Radius tools on WL. POOH w/Bit #12. PU new Bit #13 and new 4/5 motor w/1.83 deg bend (Anadrill motor). TIH to 3232'. Run Radius steering tool & gamma ray tool on WL, set in mule shoe sub. Checked tools, OK. TIH to 3810'. Orient and re-inter K.O.P. #3 @ 3810'. Pressure up w/air and establish circ. Slide and rotate drill 4267-4466'. Slide drill 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.

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

12/06/93 TD: 4802 PROGRESS : 336 TOTAL FOOTAGE : 7737
MUD WEIGHT : VISCOSITY: WATER LOSS :
WELL STATUS : DR PBDT :
CUR ACTIVITY: DRILLING W/BIT #13 @ 4802'

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SAN ISIDRO 12-11 (continued)

12/6/93 Rotate & slide drill 4466-4517'. Rotate drill w/8000#, 30 & 150 RPM, 1600 ft3 @ 900 psi, 40 GPM inj rate. Slide drill w/8000#, 150 MRPM, 1600 ft3 @ 900 psi, 40 GPM inj rate. Survey, log & connections. Steering tool not working. Showing short in Radius system. Change female connector on wireline, test OK. Rotate & slide drill 4517-4802'. Rotate drill w/10,000#, 30 & 150 RPM, 1600 ft3 @ 900 psi, 40 GPM inj rate. Survey, log & connections, rig svc.

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

12/07/93 TD: 4880	PROGRESS : 78	TOTAL FOOTAGE : 7815
MUD WEIGHT :	VISCOSITY:	WATER LOSS :
WELL STATUS : DR	PBTD :	
CUR ACTIVITY: PREP TO REAM & CUT CORE		

12/7/93 Slide & rotate drill 4802-4880'. Slide drill w/8-10,000#, 230 MRPM, 1600 ft3 @ 900 psi, 40 GPM inj rate. Rotate drill w/8-10,000#, 30 & 230 MRPM, 1600 ft3 @ 900 psi, 40 GPM inj rate. Survey, log, connections. Last 3' of drilling took 20 min, appears motor failed. Blow hole clean. Bled off pressure, survey & log. POOH to wet connect. Pull Radius tools out of hole on wireline. POOH w/Bit #13. had 1 cone w/shank left in hole, other two cones came off on floor. All three grease fittings plugs out in hole. Called Homco for fishing tools. WO same. PU & MU Globe junk basket (3" fingers w/20" core barrel, 2-1/2" Clusterite on outside and inside. OD and ID on Clusterite 6-3/16" x 4"), 2-1/2 deg bent sub, (2) jts 3-1/2" DP, float sub, UBHO, (2) Monel DC's, bent sub. GIH to 3541', GIH w/Radius tools and orient into hole. GIH to 3810'. GIH w/Radius tools and orient into hole. Hit bridge @ 4619'. PU kelly, pressure up and establish circ w/air. Rotate @ 30 RPM and 5000# weight. Ream thru approx 2' bridge. Rotate kelly down & 1 more joint for safety. Bled pressure off. GIH to 4834' and hit tight spot on bridge. PU kelly and pressure up and establish circ. Prep to ream to bottom and cut 20" core.

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

12/08/93 TD: 5046	PROGRESS : 166	TOTAL FOOTAGE : 7981
MUD WEIGHT :	VISCOSITY:	WATER LOSS :
WELL STATUS : DR	PBTD :	
CUR ACTIVITY: DRILLING		

12/8/93 Establish circ & ream w/1000-2000#, 30 RPM, 1600 ft3 @ 900 psi, and 40 GPM inj rate. Ream 4834-4880'. Cutting 20" core 4880-4881.6' w/1000-2000#, 80 RPM, 1600 ft3 @ 900 psi, 40 GPM inj rate. COOH w/fishing assy. Rec 3-3/8" diameter cone w/8" shale core below cone. Cone race (1-1/4" x 1-3/4"), and 3-grease plugs (1" x 1/2") still in hole. Assume in side of the hole. LD fishing tool, PU new Bit #14, and new 4/5 Anadrill motor w/1.83 deg bend. TIH to 3232'. RIH w/Radius steering tool and gamma ray tool to UBHO (mule shoe sub), and install wet connect sub. GIH to 3810' (K.O.P. for Leg #3). PU kelly, pressure up w/air mist and orient into Leg #3 @ 3810'. FIH to 4880', pressure up w/air mist and establish circ. Had 2000 units trip gas. Rotate and slide drill 4880-5046'. Rotate drill w/8000-10,000, 30 & 230 RPM, 1600 ft3 @ 950-1100 psi, 40 GPM inj rate. Survey, log, connections. Change Grant rotating head rubber.

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

12/09/93 TD: 5356	PROGRESS : 310	TOTAL FOOTAGE : 8291
MUD WEIGHT : 8.70	VISCOSITY: 30.00	WATER LOSS :
WELL STATUS : DR	PBTD :	
CUR ACTIVITY: PREP TO DRILL AFTER CONNECTIONS		

12/9/93 Rotate & slide drill 5046-5204'. Rotate drill w/8,000-10,000#, 30 & 280 RPM, 1600 ft3 @ 950-1000 psi, 40 GPM inj rate. Slide drill w/8000-10,000#, 230 MRPM, 1600 ft3 @ 950-1000 psi, 40 GPM inj rate. Survey, log, connections. WOO from Geology, appears dip on target dropped drastically, or cut fault (looks like we are high to target). Rotate & slide drill 5204-5322'. Rotate drill w/8000-10,000#, 30 & 230 psi, 1600 ft3 @ 950-1000#, 40 GPM inj rate. Slide drill w/8-

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SAN ISIDRO 12-11 (continued)

10,000#, 230 MRPM, 1600 ft3 @ 950-1000#, 40 GPM inj rate. Survey, log, connections. Replace pack-off assy for wireline in kelly goose-neck. Slide drill 5322-5356' w/8000-10,000#, 230 MRPM, 1600 ft3 @ 950-1000 psi, 40 GPM inj rate. Survey, log & connections. Pressure up w/air.

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

12/10/93 TD: 5542	PROGRESS :	186	TOTAL FOOTAGE :	8477
MUD WEIGHT : 8.70	VISCOSITY:	30.00	WATER LOSS :	
WELL STATUS : DR	PBTD :			
CUR ACTIVITY: WOO.				

Slide & rotate drlg f/5356-5511'. Slide drlg w/8-10K, 232 M RPM, 1600 ft3 @ 900 psi-1000 psi, 40 GPM inj rate. Rotate drlg w/8-10K, 30 + 232 MRPM, 1600 ft3 @ 900 psi-1000 psi, 40 GPM inj rate. Survey, log, and connections. Slide drlg f/5511-5542' w/10000#, 232 M RPM, 1600 ft3 @ 900 psi, 400 inj rate. Tool face @ 180 deg. Svy & gamma log svy @ 5502' (94.90 deg @ 4188' TVD). Previous svy @ 5471' (94.80 deg @ TVD of 4190'). Came up 2' w/tool face dwn @ 180 deg. Projected angle & TVD @ bit = 98.9 deg w/4183' TVD. Target @ this point dipping @ 74 deg, can not correct fast enough to stay in target. Top of target 4180' w/btm of target @ 4195'. POOH to check tool & scribe line & tool face due to gaining 3.1 deg up w/tool face 180 deg dwn. Had tight hole up & dwn @ 5502' (pulled 44000# over & setting dwn w/26000 dwn). Rotate pipe free. Circ w/air mist w/5 gal soap, 5 gal rock oil & 5 gal polymer per 20 bbls KCl wtr. Pmpd pill around & clean hole. POOH to wet connection. POOH w/Radius tools on wire line. POOH. Check scribe line, mule shoe sub, ok. Checked Radius tool, ok. WOO.

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

12/11/93 TD: 5542	PROGRESS :		TOTAL FOOTAGE :	8477
MUD WEIGHT :	VISCOSITY:		WATER LOSS :	
WELL STATUS : DR	PBTD :			
CUR ACTIVITY: ND BOP'S				

12/11/93 WOO. RU Radius WL. LD & load out Radius swivel. LD kelly. RIH w/HWDP. POOH, LD HWDP. POH to 3000' w/3-1/2" S-135 DP. POOH, LD 3-1/2" DP. RIH w/rest of 3-1/2" DP. POOH, LD 3-1/2" DP. Retrieve wear ring from 7-1/16" tubinghead. RU San Juan tubing tongs & tubing tools. Ran 105 jts 2-7/8" 8RD tubing for kill string (2989'). Set and tested tubing hanger to 1500 psi, install BPV. ND BOP.

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

12/12/93 TD: 5542	PROGRESS :		TOTAL FOOTAGE :	8477
MUD WEIGHT :	VISCOSITY:		WATER LOSS :	
WELL STATUS : TA	PBTD :			
CUR ACTIVITY: RIG RELEASED-WELL TEMPORARILY ABANDONED. FINAL REPORT				

12/12/93 ND BOP's. NU Cactus tree, test to 2000 psi, OK. Pull BPV and SI master valve. RD blouie line & empty and clean rig tanks. Rig released at 1500 hrs 12/11/93. FINAL REPORT.

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

*** END OF REPORT ***