

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM OIL CO.
Drawer DD
Artesia, NM 88210

c/sr

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.
NM 54184

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Dunn B Federal #39

9. API Well No.
30-015-28245

10. Field and Pool, or Exploratory Area
ART-QN-GB-SA

11. County or Parish, State
Eddy Co., NM

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
SDX Resources, Inc.

3. Address and Telephone No.
P. O. Box 5061, Midland, TX. 915/685-1761

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1319' FNL & 60' FEL, Unit A, Sec. 10, T18S, R28E

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

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

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form 1)

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 locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Plan to drill well to proposed TVD of 3200'. Run open hole logs. Run 5-1/2" casing/packer shoe, 15.50#/ft casing to $\pm$ 2850'. Set open hole plug @ kick-off point 2940'. Follow attached procedure.

No changes anticipated in the 13 Point Drilling Program that was approved on 12/07/94 except the 5-1/2" production casing may be set 50' $\pm$ above kick off point at approximately 2940'. No changes in Surface Plan.

Administrative Order NSL-3465

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

Signed Janice Courtney Title Regulatory Tech
(This space for Federal or State office use) Janice Courtney

Date 10/20/95

Approved by (ORIG. SCD.) JOE G. LARA Title PETROLEUM ENGINEER
Conditions of approval, if any:

Date 11/22/95

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

*See Instruction on Reverse Side

WELL PROCEDURE
DUNN B 39 HORIZONTAL COMPLETION
SDX RESOURCES

Date: October 19, 1995

Purpose: Complete as horizontal drainhole.

Elevation: GL - 3630; KB. - N/A

Drillers TD: 3200' (Drill and log through target formation)

PBTD: 3200'

Production casing: 5 1/2" 15.5 # @ 2850' - TOC @ Surf (Should be set to 50' - 150' above KOP)

Intermediate casing:

Target Information:

Kickoff Point (KOP):	2940'
Build Rate: (BUR)	71.62°/100' (80' radius)
Target Depth (TVD):	3020' TVD
End of Curve (EOC):	4065' MD (3020' TVD)
Lateral Length:	1000'
Closure Direction:	N 137.2° E (45° Azimuth)
Declination:	
Operations Target:	10' Vertical Window

BOTTOM HOLE ASSEMBLY/DRILL STRING

4 3/4" Rock Bit
3 3/8" Mudmotor: 2 7/8" Reg Box X 2 3/8" Reg Box (Top)
3 1/2" Float Sub
3 1/2" Orienting Sub
3 1/2" Monel Drill Collars: 2 7/8" PH-6 Box X Pin
1500' 2 7/8" PH-6 drill pipe (P-110)
Crossover to Drill Collars
3 1/2" drill pipe
Estimated Max. WOB: 25,000
Estimated Max. Pump Rate: 125 GPM at 1,900 psi
2" minimum ID on all drill string components

PROCEDURE

1. MIRUPU. TIH with bit. Drill out casing shoe and 50' of cement plug to KOP. TOH with workstring standing back.
2. RU wireline and gyro company. TIH with GYRO. Obtain surveys every 100' from KOP to surface. RD wireline and gyro company
3. RU directional & wireline company. Test steering tool and confirm toolface reading.
4. PU angle build assembly and surface test motor.
5. TIH to KOP with bit, angle build motor, orienting (and float sub), monel drill collars, PH-6 drill pipe, drillpipe and drill collars.

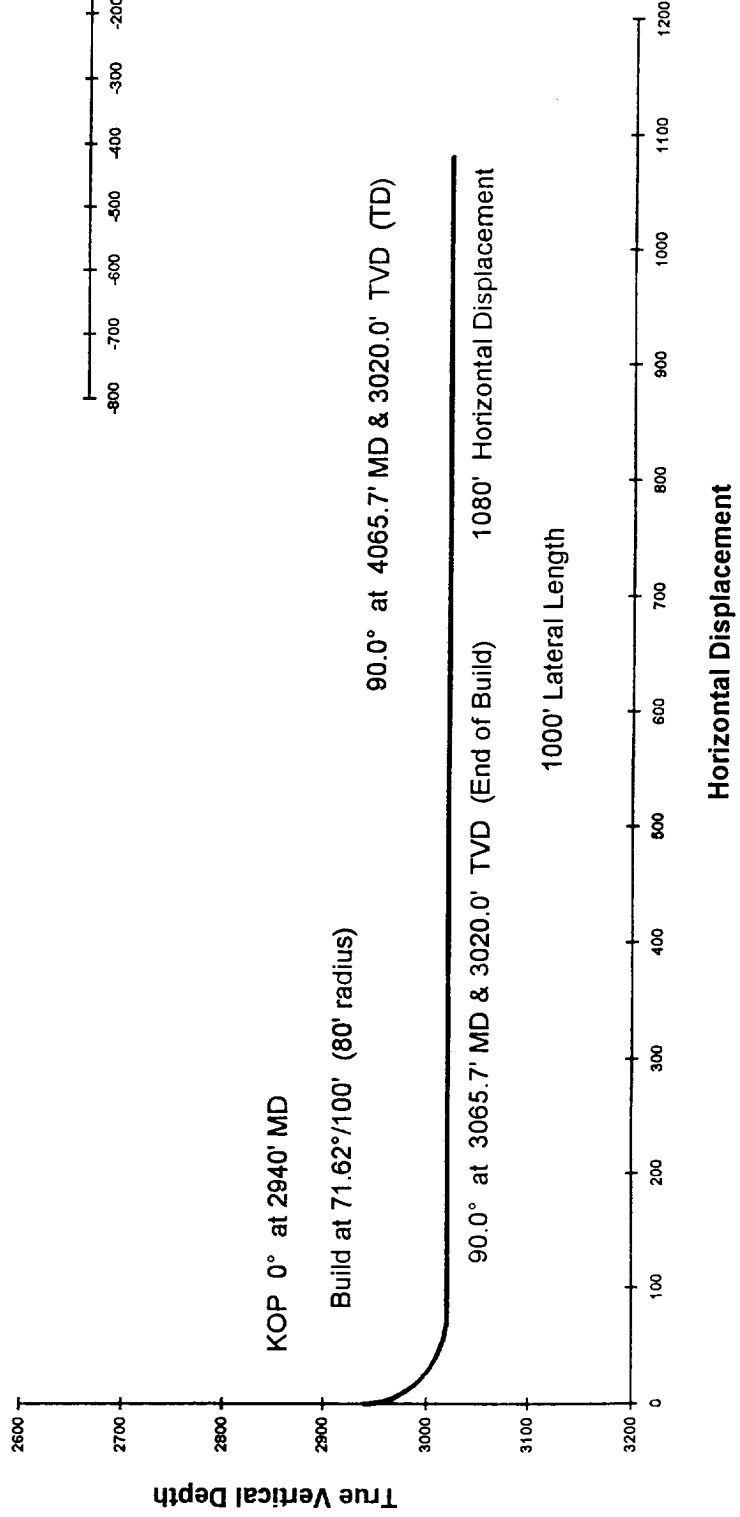
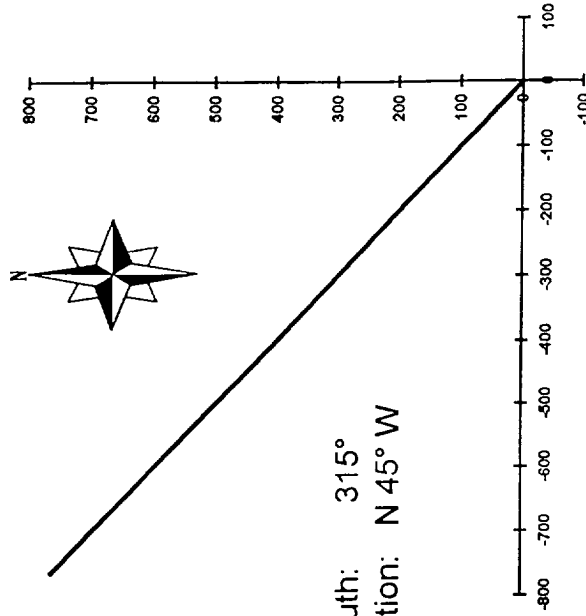
6. TIH with steering tool. Sting into orienting sub. RU wet-connect and test. Drill build section to EOC, obtaining surveys every joint. TOH to KOP. RD wet-connect and TOH with steering tool. TOH with drillstring (standing back) and lay down angle build motor.
7. PU angle hold motor and test at surface.
8. TIH with bit, angle hold motors, orienting sub, and monel drill collars to KOP. TIH with steering tool and sting into orienting sub. TIH to bottom and drill lateral at Target TVD to TD, obtaining surveys every joint. TOH. RD directional Co.
9. Perform completion operations.

VOGEL HORIZONTAL AND DIRECTIONAL DRILLING
 415 WEST WALL ST. MIDLAND TX 79707
 915-570-4719

SDX RESOURCES, INC.

DUNN B 39
 EDDY COUNTY, NM

Azimuth: 315°
 Orientation: N 45° W



VOGEL HORIZONTAL & DIRECTIONAL DRILLING

SDX RESOURCES, INC.
DUNN B 39

Directional Well Plan

	Measured Depth (Ft)	Incl. Angle (Deg)	Drift Direction (Deg)	Course Length (Ft)	True Vertical Depth	Total Rectangular Coordinates (Ft)		Vertical Section	Dogleg Severity (Deg/100')
	2940.0	0.00		0.0	2940.0	0.00 N	0.00 E	0.00	0.0
	2944.3	3.10	315.0	4.3	2944.3	0.08 N	0.08 W	0.12	71.6
	2948.7	6.21	315.0	4.3	2948.6	0.33 N	0.33 W	0.47	71.6
	2953.0	9.31	315.0	4.3	2952.9	0.75 N	0.75 W	1.05	71.6
	2957.3	12.41	315.0	4.3	2957.2	1.32 N	1.32 W	1.87	71.6
	2961.7	15.52	315.0	4.3	2961.4	2.06 N	2.06 W	2.92	71.6
	2966.0	18.62	315.0	4.3	2965.5	2.96 N	2.96 W	4.19	71.6
	2970.3	21.72	315.0	4.3	2969.6	4.02 N	4.02 W	5.68	71.6
	2974.7	24.83	315.0	4.3	2973.6	5.23 N	5.23 W	7.39	71.6
	2979.0	27.93	315.0	4.3	2977.5	6.59 N	6.59 W	9.32	71.6
	2983.3	31.03	315.0	4.3	2981.2	8.10 N	8.10 W	11.45	71.6
	2987.7	34.14	315.0	4.3	2984.9	9.75 N	9.75 W	13.78	71.6
	2992.0	37.24	315.0	4.3	2988.4	11.53 N	11.53 W	16.31	71.6
	2996.3	40.34	315.0	4.3	2991.8	13.45 N	13.45 W	19.03	71.6
	3000.7	43.45	315.0	4.3	2995.0	15.50 N	15.50 W	21.92	71.6
	3005.0	46.55	315.0	4.3	2998.1	17.67 N	17.67 W	24.98	71.6
	3009.3	49.66	315.0	4.3	3001.0	19.95 N	19.95 W	28.21	71.6
	3013.7	52.76	315.0	4.3	3003.7	22.33 N	22.33 W	31.59	71.6
	3018.0	55.86	315.0	4.3	3006.2	24.82 N	24.82 W	35.11	71.6
	3022.3	58.97	315.0	4.3	3008.5	27.40 N	27.40 W	38.76	71.6
	3026.7	62.07	315.0	4.3	3010.7	30.07 N	30.07 W	42.53	71.6
	3031.0	65.17	315.0	4.3	3012.6	32.82 N	32.82 W	46.41	71.6
	3035.3	68.28	315.0	4.3	3014.3	35.63 N	35.63 W	50.39	71.6
	3039.7	71.38	315.0	4.3	3015.8	38.51 N	38.51 W	54.46	71.6
	3044.0	74.48	315.0	4.3	3017.1	41.43 N	41.43 W	58.60	71.6
	3048.3	77.59	315.0	4.3	3018.1	44.41 N	44.41 W	62.80	71.6
	3052.7	80.69	315.0	4.3	3018.9	47.42 N	47.42 W	67.06	71.6
	3057.0	83.79	315.0	4.3	3019.5	50.45 N	50.45 W	71.35	71.6
	3061.3	86.90	315.0	4.3	3019.9	53.51 N	53.51 W	75.67	71.6
EOB:	3065.7	90.00	315.0	4.3	3020.0	56.57 N	56.57 W	80.00	71.6
Target:	4065.7	90.00	315.0	1000.0	3020.0	763.68 N	763.68 W	1080.00	0.0