

Form 3160-5
(June 1990)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

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

Dugan Production Corp.

3. Address and Telephone No.

P.O. Box 420, Farmington, NM 87499 325-1821

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

1980' FSL & 790' FEL
Sec. 9, T23N, R10W, NMPM

5. Lease Designation and Serial No.

NM 51005

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

McDougall

9. API Well No.

2

10. Field and Pool, or Exploratory Area

South Bisti Gallup

11. County or Parish, State

San Juan, 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 T.D., casing & cement☐ 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.)

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.)

Drill 7-7/8" hole to 4685' T.D. (reached T.D. on 3-24-92). Ran IES and CDL logs. Ran 5 1/2" 15.5 lb/ft. K-55 casing to 4685'. Cement first stage with 10 bbls. mud flush followed by 248 cu. ft. 50-50 Pozmix with 2% gel and 1/4 lb./sk. cellophane flakes. Maintained full circulation throughout job. Casing reciprocated during stage one. Attempted to open stage tool at 3562' with no success. Ran 2-3/8" tubing to stage tool and opened. Cemented second stage with 10 bbls. mud flush followed by 1,083 cu. ft. 65-35 Pozmix with 12% gel and 1/4 lb./sk. cellophane flakes followed by 64 cu. ft. 50-50 Pozmix with 2% gel and 1/4 lb./sk. cellophane flakes (total second stage: 1,147 cu. ft.). (Total cement slurry both stages = 1395 cu. ft.). Circulated throughout job, with 2 bbls. contaminated cement returned to surface. Bump plug with 2450 psi - held OK. Job complete 3-26-92.

*Cementers log is attached.

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

Signed

Jim L. Jacobs

Title

Geologist

Date

3-30-92

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

ACCEPTED FOR RECORD

Date

NMOCD

APR 01 1992

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 or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side BY

Date 3/24/92 District Farmington Ticket No. 643960
 Company Dusan Production Rig FC 4
 Lease McDungall Well No. 2
 County SAN JUAN State N.M.
 Location _____ Field _____

CASING DATA: PTA ☐ Squeeze ☐
 Surface 9 Intermediate ☐ Production ☐ Liner ☐
 Size 5 1/2 Type K-55 Weight 15.5 Collar STC

Casing Depths: Top 0 Bottom 4680

Drill Pipe: Size 4 1/2 Weight 16.6 Collars _____
 Open Hole: Size 7 7/8 T.D. 4680 ft. P.B. to _____ ft.

CAPACITY FACTORS:
 Casing: Bbls/Lin. ft. 0.238 Lin. ft./Bbl. 42.01
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA

Spacer Type: 10bbls Mud Clean
 Amt. _____ Skis Yield _____ ft³/sk Density 8.34 PPG
 LEAD: Pump Time _____ hrs. Type 50/50/2
1/4" CF Excess _____
 Amt. 195 Skis Yield 1.27 ft³/sk Density 13.8 PPG
 IAL: Pump Time _____ hrs. Type _____
 Excess _____
 Amt. _____ Skis Yield _____ ft³/sk Density _____ PPG
 WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.

Pump Trucks Used 11902-6018 R
 Bulk Equip. 11994

Float Equip. Manufacturer Wheatford
 Shoe Type Tex Pat. Depth 4697'
 Float Type Auto Fill Collar Depth 4665'
 Centralizers: Quantity 10 Plugs Top Rubber Btm. _____
 Stage Collars 3574'
 Special Equip. _____
 Disp. Fluid Type Mud + H₂O Amt. 111.03 Bbls. Weight 8.34 PPG
 Mud Type med. RS. 0.6 - H₂O 26 bbls Weight 9.2 PPG

COMPANY REPRESENTATIVE Mark Brown

CEMENTER Gina Hall

TIME		PRESSURES PSI		FLUID PUMPED DATA			REMARKS
AM/PM		DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
9:30 PM	3000						Safety Meeting
10:15 PM	200			10	10	6	Test Pump & Lines
10:17 PM	176			53.04	43	6	Preflush Mud Clean
10:20 PM						✓	Cement 241.8 FT
10:25 PM	121			79.06	26	5	Drop Plug
10:36 PM	417			133.03	54	5	Displacement H ₂ O
10:46 PM				164.03	31	3	Mud
10:46 PM	997			✓	✓	3	Slow Displacement @ D.V. Tool
10:47 PM					(held)		Bump Plug
10:49 PM							Check float equip.
11:10 PM	1260			165.28	1.25	5	Drop Bomb (Load Top Plug)
	0						Open D.V. Tool (mud)
							Tool did not open
11:25 PM	1200			166.53	1.25	5	Bleed PSI
							Pressure up on D.V. Tool
11:40 PM	1697			167.78	1.25	5	Bleed PSI
11:55 PM	1713			169.03	1.25	5	Pressure up (Bleed PSI)
12:10 AM	1750			170.28	1.25	1	Pressure up on D.V. Tool
							Pressure up on D.V. Tool
12:25 PM	1700			171.53	1.25	5	Surge PSI
	1697			172.78	1.25	5	Pressure up on D.V. Tool
12:40 AM							Surge PSI
							Release PSI
1:00 AM	1700			174.03	1.25	5	Pressure up on D.V. Hold PSI 15 min
							Pressure up every 15 minutes until 1:30 AM



PO Box 4440
Houston, Texas 77210

CEMENTING LOG

STAGE NO.

Date 3/24/92 District FARMINGTON Ticket No 643961
Company LUGAN Rig DUGAN
Lease McDougal Well No 2
County SAN JUAN State N.M.
Location _____ Field _____

CASING DATA PTA ☐ Squeeze ☐
Surface ☐ Intermediate ☐ Production ☐ Liner ☐
Size 5 1/2 Type K-55 Weight 13.5 Collar _____

Casing Depths Top 0 Bottom 3563

Drill Pipe Size _____ Weight _____ Collars _____
Open Hole Size 7 7/8 TD 3563 ft PB to _____ ft

CAPACITY FACTORS

Casing Bbls Lin ft .0238 Lin ft Bbl 42.01
Open Holes Bbls Lin ft _____ Lin ft Bbl _____
Drill Pipe Bbls Lin ft _____ Lin ft Bbl _____
Annulus Bbls Lin ft _____ Lin ft Bbl _____
Perforations From _____ ft to _____ ft Amt _____

CEMENT DATA

Spacer Type 10 bbls Mud Clean
Amt _____ Sks Yield _____ ft³/sk Density 8.37 PPG

LEAD Pump Time _____ hrs Type 65/35/12, 1/4
CF _____ Excess _____

Amt 490 Sks Yield 2.21 ft³/sk Density 11.8 PPG

TAIL Pump Time _____ hrs Type 50/50/12, 1/4
CF _____ Excess _____

Amt 50 Sks Yield 1.77 ft³/sk Density 13.4 PPG

WATER Lead _____ gals sk Tail _____ gals sk Total _____ Bbls

Pump Trucks Used 11902-6182

Bulk Equip 11994, 11973

Float Equip Manufacturer _____

Shoe Type _____ Depth _____

Float Type _____ Depth _____

Centralizers Quantity _____ Plugs Top _____ Btm _____

Stage Collars 3563

Special Equip _____

Disp Fluid Type H₂O Amt 84.77 Bbls Weight 8.34 PPG

Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE _____

CEMENTER Lynn Hall

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min	
						Safety Meeting
2:30 PM	200		21	21	5	Break Circulation
2:34 PM	200		31	10	5	Preflush Mud Clean
				1		Lead Cmt 11.8 ppg
2:36 PM	170		116.4	133	5	Lead Cmt was short by 40 bbls This was because of loss of yield from turning cement to heavy
2:52 PM	150		175	11	5	Tail Cement
2:54 PM	0					Drop Plug
2:55 PM			245	70	5	Displacement H ₂ O
3:11 PM	900		259.75	14.75	3	Slow Displacement
3:20 PM	2478					Bump Plug
				H ₂ O		Check float
						H ₂ O was circulating to Pit

FINAL DISP PRESS 1200 PSI BUMP PLUG TO 2478 PSI BLEEDBACK 0 BBLS THANK YOU
Form No. SR 0502 (Rev. 3 90)