

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Conservation District 2

1001 W. 1st St. Suite 200

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

5. Lease Designation and Serial No.
USA NM 05060352

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

West Shugart 31 Fed #2

9. API Well No.

30-015-31821

10. Field and Pool, or Exploratory Area
Shugart, N. (Morrow)

11. County or Parish, State

Eddy, 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

Matador Operating Company

3. Address and Telephone No.

8340 Meadow Road #150, Dallas, TX 75231 214

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

1700' FNL & 1980' FWL
Sec. 31, T18S, R31E

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).")

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.)

Matador Operating Company proposes to revise the 8-5/8" intermediate casing depth to 3200'. This revision is based on depth correlation to the recent Concho Resources, Inc. West Shugart "31" Federal Com #1 (API 30-015-31647), which had intermediate casing set @ 3205' and subsequently reached total depth of 12,530'. New offset log data indicates the proposed change will result in better casing shoe integrity at 3200' (the lower Grayburg has porosity development from 3700-3850' in the West Shugart 31 Federal Com #1 -see attached log). No problems are anticipated in circulating cement to surface in one stage from the revised casing depth.

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

Signed

APPROVED

Title Sr. Drilling Engineer

Date 9/18/01

(This space for Federal or State office use)

(ORIG. SGD.) DAVID F. GLASS

Approved by SEP 24 2001

Title

Date

Title 18 U.S.C. Section 1001 makes it unlawful 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 or to knowingly and willfully obtain anything from any such department or agency by such false, fictitious or fraudulent statements or representations.

RECEIVED

2001 SEP 21 AM 9:42

SECRET
NO FORN DISSEM

COMPANY: Concho Resources, Inc

WELL: West Shugart "31" Federal Com #1

FIELD: West Shugart (Morrow)

COUNTY: Eddy

STATE: New Mexico

COUNTY: Eddy Field: West Shugart (Morrow) Location: 1780' FSL & 1650' FWL - SHL Well: West Shugart "31" Federal Com Company: Concho Resources, Inc	LOCATION		Schlumberger		Platform Express High Resolution Laterolog Array / GR			
					1780' FSL & 1650' FWL - SHL		Elev.: K.B. 3542.5 ft	
					704' FSL & 1615' FWL - BHL		G.L. 3528 ft	
							D.F. 3541.5 ft	
Permanent Datum:		Ground Level		Elev.: 3528 ft				
Log Measured From:		Kelly Bushing		14.5 ft above Perm. Datum				
Drilling Measured From:		Kelly Bushing						
API Serial No. 30-015-31647		SECTION 31		TOWNSHIP 18S		RANGE 31E		
Logging Date		13-JUN-2001						
Run Number		One						
Depth Driller		12530 ft						
Schlumberger Depth		12530 ft						
Bottom Log Interval		12528 ft						
Top Log Interval		3202 ft						
Casing Driller Size @ Depth		9.625 in @ 3205 ft						
Casing Schlumberger		3202 ft						
Bit Size		8.750 in						
Type Fluid In Hole		Brine / Starch / Salt Gel						
MUD	Density	Viscosity	9.8 lbm/gal	39 s				
	Fluid Loss	PH	8 cm3	10.5				
Source Of Sample		Circulation Tank						
RM @ Measured Temperature		0.050 ohm.m @ 98 degF						
RMF @ Measured Temperature		0.038 ohm.m @ 98 degF						
RMC @ Measured Temperature		@						
Source RMF		RMC	Pressed					
RM @ MRT		RMF @ MRT	0.030 @ 165	0.023 @ 165	@	@		
Maximum Recorded Temperatures		165 degF						
Circulation Stopped		Time	12-JUN-2001	15:00				
Logger On Bottom		Time	13-JUN-2001	7:00				
Unit Number		Location	3049	Roswell, N.M.				
Recorded By		H. Lamb						
Witnessed By		Dale Lubinski						



