Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. Division
1625 N. French L..
Hobbs, NM 88240

FORM 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

5. Lease Designation and Serial No.: NM 2511

6. If Indian, Allottee or Tribe Name:

7. If unit or CA, Agreement Designation: Meyer B-31

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

8. Well Name and No.: 5

2. Name of Operator
CONOCO INC.

9. API Well No.: 30-025-34960

3. Address and Telephone
10 DESTA DRIVE, SUITE 649W, MIDLAND, TEXAS 79705-4500

10. Field and Pool, or Exploratory Area: North Hardy Strawn

4. Location of Well (Footage, Sec., T. R. M. or Survey Description)
2310' FSL & 1850' FWL
Sec. 31, T20S, R38E

11. County or Parish, State: Lea County, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
☒ Notice of Intent	☐ Abandonment	☐ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☒ Other Casing change	☐ 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.

Conoco Inc. proposes to change the casing size according to the attached well plan outline and cementing plan.

Also, it is necessary to face the V-door to the West due to safety concerns around the access road.

14. I hereby certify that the foregoing is true and correct
Signed Jo Ann Johnson Title Sr. Property Analyst Date 4/18/00

15. (This space for Federal or State office use)
Approved by [signature] Title PE Date 4-19-00
Conditions of approval if any:

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.

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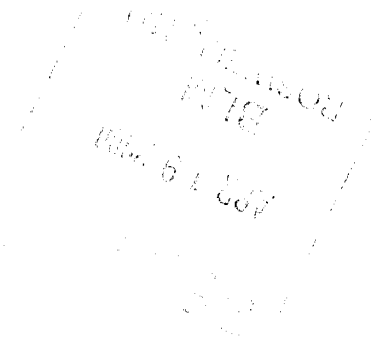


PROPOSED WELL PLAN OUTLINE

WELL NAME: Meyer B-31 No.5
LOCATION: 1850' FWL & 2310' FSL Sec 31, T20S, R38E (Prior to Staking)

Ground Level : ?
Kelly Bushing: 11' AGL

Depth MD	FORMATION TOPS	DRILLING PROBLEMS	TYPE OF FORMATION EVALUATION	HOLE SIZE	CASING PROGRAM	FRAC GRAD	FORM. PRES. GRAD.	Mud Weight & Type	Days
0		Possible Hole Enlargement & Sloughing		12-1/4"			Less than 8.3	8.4 - 9.5 Fresh	
1000	Top Salt @ 1,430'	Washouts in Salt Section			8-5/8", 24#, J-55 ST&C @ 1,500' Circulate Cement			10 Brine	3
				7-7/8"					
2000	Base Salt @ 2,500'						Less than 8.4		
	Yates 2,730'		Mud Loggers F/ Yates to TD						
3000	7 Rivers 2,975'		H2S Monitor on at 2900'						
	Queen 3,545'								
	Grayburg 3,805'								
4000	San Andres 4,035'	Lost Returns in San Andres							7
5000	Glorietta 5,305'	Possible differential sticking thru Glorietta & Paddock							
	Blinebry Mkr 5,875'								
6000	Tubb 6,325'								
	Drinkard 6,655'								
	Abo 6,920'								
7000	Strawn 7,500'		First Log Run: GR-CAL-DLL-MLL-Sonic FDC-CNL-PE : TD to 2700' Pull GR-CNL-Cal to Surf Second Log Run: 60 rotary sidewall cores						
	TD @ 7,850'	STOP DRILLING WHEN WOODFORD SHALE IS CUT	Third Run: FMI imaging log		5-1/2", 17.0#, J-55 LT&C f/0'-7,850' Circulate Cement			10 ppg Starch Gel	20
8000	Devonian 7,890'	Severe losses in Devonian							

Note: The Devonian formation is associated with severe lost circulation problems. This well will be TD'd very close to the top of the Devonian. The mud loggers will pick the Woodford shale which is 40' thick and sits on top of the Devonian. Stop drilling once the Woodford is entered.

DATE 17-Apr-00

Joe Huck, Geophysical Advisor

APPROVED

Yong Cho, Drilling Engineer

Joe Miller, Reservoir Engineer

Operator Name: Conoco
Well Name: Myer 'B' 31 #5
Job Description: 8 5/8" Surface
Date: April 18, 2000

Proposal No: 180252807B

JOB AT A GLANCE

Depth (TVD)	1,500 ft
Depth (MD)	1,500 ft
Hole Size	12.25 in
Casing Size/Weight :	8 5/8 in, 24 lbs/ft
Pump Via	Casing 8 5/8" O.D. (8.097" .I.D) 24 #
Total Mix Water Required	6,555 gals
Pre-flush	
Mud Clean I	1,500 gals
Density	8.4 ppg
Lead Slurry	
LEAD SLURRY	528 sacks
Density	12.7 ppg
Yield	1.88 cf/sack
Tail Slurry	
TAIL SLURRY	195 sacks
Density	14.8 ppg
Yield	1.34 cf/sack
Displacement	
Water	93 bbls
Density	8.4 ppg

WELL DATA

ANNULAR GEOMETRY

ANNULAR I.D. (in)	DEPTH(ft)	
	MEASURED	TRUE VERTICAL
12.250 HOLE	1,500	1,500

SUSPENDED PIPES

DIAMETER (in)		WEIGHT (lbs/ft)	DEPTH(ft)	
O.D.	I.D.		MEASURED	TRUE VERTICAL
8.625	8.097	24	1,500	1,500

Float Collar set @	1,460 ft
Mud Density	8.40 ppg
Est. Static Temp.	89 ° F
Est. Circ. Temp.	85 ° F

VOLUME CALCULATIONS

1,200 ft	x	0.4127 cf/ft	with	100 % excess	=	990.4 cf
300 ft	x	0.4127 cf/ft	with	100 % excess	=	247.9 cf
40 ft	x	0.3576 cf/ft	with	0 % excess	=	14.3 cf (inside pipe)
				TOTAL SLURRY VOLUME	=	1252.6 cf
					=	223 bbls

FLUID SPECIFICATIONS

Pre-flush 1,500.0 gals Mud Clean I @ 8.4 ppg

FLUID	VOLUME CU-FT		VOLUME FACTOR	AMOUNT AND TYPE OF CEMENT
Lead Slurry	990	/	1.88	= 528 sacks (35:65) Poz (Fly Ash):Class C Cement + 2% bwoc Calcium Chloride + 0.25% bwoc Cello Flake + 0.005 gps FP-6L + 6% bwoc Bentonite + 96.5% Fresh Water
Tail Slurry	262	/	1.34	= 195 sacks Class C Cement + 2% bwoc Calcium Chloride + 0.005 gps FP-6L + 56.3% Fresh Water

Displacement 93.0 bbls Water @ 8.4 ppg

CEMENT PROPERTIES

	SLURRY NO. 1	SLURRY NO. 2
Slurry Weight (ppg)	12.70	14.80
Slurry Yield (cf/sack)	1.88	1.34
Amount of Mix Water (gps)	10.07	6.35
Amount of Mix Fluid (gps)	10.08	6.35
Estimated Pumping Time - 70 BC (HH:MM)	5:00	2:20

JOB AT A GLANCE

Depth (TVD)	7,850 ft
Depth (MD)	7,850 ft
Hole Size	7.875 in
Casing Size/Weight :	5 1/2 in, 17 lbs/ft
Pump Via	Casing 5 1/2" O.D. (4.892" .I.D) 17 #
Total Mix Water Required	9,120 gals
Pre-flush	
Mud Clean I	1,500 gals
Density	8.4 ppg
Lead Slurry	
LEAD SLURRY	675 sacks
Density	12.7 ppg
Yield	1.85 cf/sack
Tail Slurry	
TAIL SLURRY	376 sacks
Density	14.8 ppg
Yield	1.36 cf/sack
Displacement	
Water	182 bbls
Density	8.4 ppg

WELL DATA

ANNULAR GEOMETRY

ANNULAR I.D. (in)	DEPTH(ft)	
	MEASURED	TRUE VERTICAL
8.097 CASING	1,500	1,500
7.875 HOLE	7,850	7,850

SUSPENDED PIPES

DIAMETER (in)		WEIGHT (lbs/ft)	DEPTH(ft)	
O.D.	I.D.		MEASURED	TRUE VERTICAL
5.500	4.892	17	7,850	7,850

Float Collar set @	7,810 ft
Mud Density	8.40 ppg
Est. Static Temp.	127 ° F
Est. Circ. Temp.	121 ° F

VOLUME CALCULATIONS

1,500 ft	x	0.1926 cf/ft	with	0 % excess	=	288.9 cf
4,100 ft	x	0.1733 cf/ft	with	35 % excess	=	959.0 cf
2,250 ft	x	0.1733 cf/ft	with	30 % excess	=	507.4 cf
40 ft	x	0.1305 cf/ft	with	0 % excess	=	5.2 cf (inside pipe)
				TOTAL SLURRY VOLUME	=	1760.5 cf
					=	314 bbls

FLUID SPECIFICATIONS

Pre-flush — 1,500.0 gals Mud Clean I @ 8.4 ppg

FLUID	VOLUME CU-FT		VOLUME FACTOR	AMOUNT AND TYPE OF CEMENT
Lead Slurry	1248	/	1.85	= 675 sacks (35:65) Poz (Fly Ash):Class C Cement + 0.25% bwoc Cello Flake + 0.005 gps FP-6L + 6% bwoc Bentonite + 95.7% Fresh Water
Tail Slurry	513	/	1.36	= 376 sacks Class C Cement + 1% bwoc BA-58 + 0.7% bwoc FL-52 + 0.4% bwoc CD-32 + 0.005 gps FP-6L + 0.2% bwoc Sodium Metasilicate + 2 lbs/sack Potassium Chloride + 56.2% Fresh Water

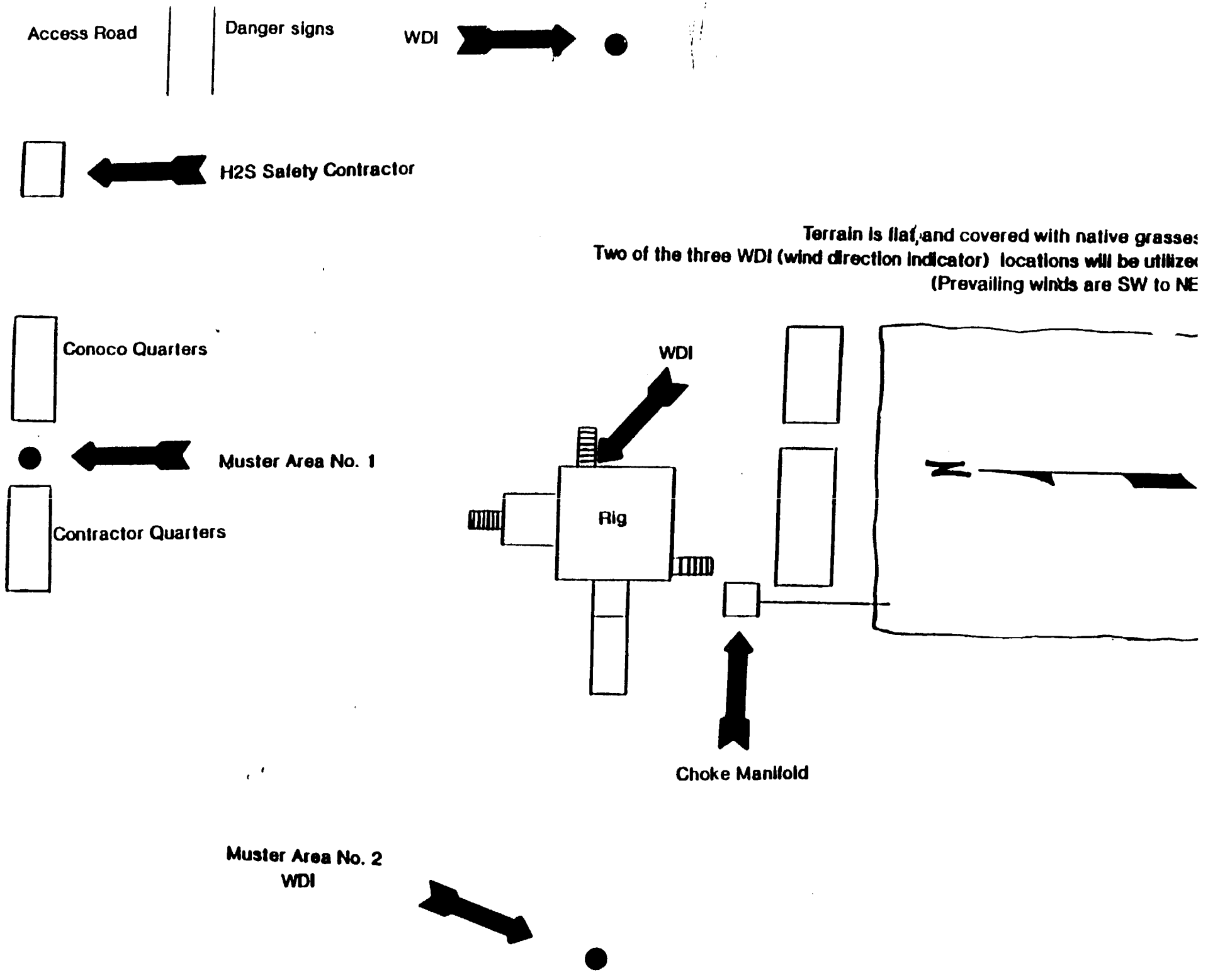
Displacement — 181.6 bbls Water @ 8.4 ppg

CEMENT PROPERTIES

	SLURRY NO. 1	SLURRY NO. 2
Slurry Weight (ppg)	12.70	14.80
Slurry Yield (cf/sack)	1.85	1.36
Amount of Mix Water (gps)	9.98	6.34
Amount of Mix Fluid (gps)	9.99	6.34
Estimated Pumping Time - 70 BC (HH:MM)	2:49	1:49
Free Water (mls) @ ° F @ 90 ° angle	0.9	

RHEOLOGIES

FLUID		TEMP	600	300	200	100	6	3
Lead Slurry	@	° F	153	141	136	130	50	38
Tail Slurry	@	80 ° F	150	102	85	68	43	35


Access Road
Danger signs
WDI
H2S Safety Contractor
Terrain is flat, and covered with native grasses
Two of the three WDI (wind direction indicator) locations will be utilized
(Prevailing winds are SW to NE
Conoco Quarters
Muster Area No. 1
Contractor Quarters
WDI
Rig
Choke Manifold
Muster Area No. 2
WDI