

Form 3160-4
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

2003 FEB 10 AM 9:38

Oil Cons.
N.M. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

FORM 3160-4

MB No. 0044-00

Expires: November 30, 2004

1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other		6. If Indian, Allottee or Tribe Name	
b. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☒ Plug Back ☐ Diff. Resvr.		7. Unit or CA Agreement Name and No.	
2. Name of Operator HUDSON OIL COMPANY OF TEXAS		8. Lease Name and Well No. SHUGART A 6	
3. Address 616 TEXAS STREET FORT WORTH, TX 76102		9. API Well No. 30-015-26438	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SENE 2310FNL 660FEL At top prod interval reported below SENE 2310FNL 660FEL At total depth SENE 2310FNL 660FEL		10. Field and Pool, or Exploratory SHUGART GRAYBURG	
14. Date Spudded 08/26/1990		11. Sec., T., R., M., or Block and Survey or Area Sec 10 T18S R31E Mer	
15. Date T.D. Reached 09/29/1990		12. County or Parish EDDY	
16. Date Completed ☐ D & A ☒ Ready to Prod. 11/15/2002		13. State NM	
17. Elevations (DF, KB, RT, GL)* 3752 KB			
18. Total Depth: MD 8700 TVD		19. Plug Back T.D.: MD 4300 TVD	
20. Depth Bridge Plug Set: MD 4300 TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) PREVIOUSLY SUBMITTED BY MARATHON OIL COMPANY		22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☒ No ☐ Yes (Submit analysis)	

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.380			756		447		000	
11.000	8.630			2335		674		000	
7.875	5.500			8700		1370		500	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	4139							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GRAYBURG	3840	4300	3966 TO 3970			
B)			3973 TO 3976			
C)			4106 TO 4116			
D)			4022 TO 4028			

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
3966 TO 3970	ACIDIZE W/3500 GALS 15% HCL FRAC W/3737 GALS HMP GEL CARRYING 135340# 20/40 BRADY SAND
3973 TO 3976	SEE ABOVE
4106 TO 4116	SEE ABOVE
4022 TO 4028	SEE ABOVE

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/18/2002	11/18/2002	24	→	32.0	12.0	126.0			ELECTRIC PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	40	40.0	→					POW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on reverse side)

ACCEPTED FOR RECORD

FEB 13 2003

GARY GOURLEY
PETROLEUM ENGINEER