

M. OIL CONS. COMMISSION

Form Approved.  
Budget Bureau No. 42-R1424

UNITED STATES  
NEW MEXICO 88240  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other ☐  
2. NAME OF OPERATOR  
The Superior Oil Company  
3. ADDRESS OF OPERATOR  
P.O. Box 4500, The Woodlands, TX 77380  
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1980' FNL & 1980' FEL of Sec. 21  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:  
TEST WATER SHUT-OFF ☐ ☐  
FRACTURE TREAT ☐ ☐  
SHOOT OR ACIDIZE ☐ ☐  
REPAIR WELL ☐ ☐  
P ~~XXXX~~ ALTER CASING ☒ ☐  
MULTIPLE COMPLETE ☐ ☐  
CHANGE ZONES ☐ ☐  
ABANDON\* ☐ ☐  
(other) ☐ ☐

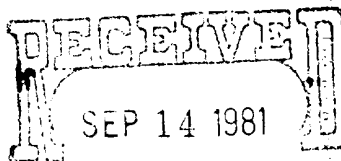
5. LEASE  
M-13644-A  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
N/A  
7. UNIT AGREEMENT NAME  
N/A  
8. FARM OR LEASE NAME  
Featherstone Federal  
9. WELL NO.  
1  
10. FIELD OR WILDCAT NAME  
Wildcat  
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 21 - T20S - R35E  
12. COUNTY OR PARISH  
Lea  
13. STATE  
New Mexico  
14. API NO.  
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
3716' GL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. 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.)\*

Due to problems encountered by another operator on two offset wells in this area, Superior proposes to amend the casing and mud program on the above well as shown on the attached form.

SEE ATTACHED



OIL & GAS  
U.S. GEOLOGICAL SURVEY  
ROSWELL, NEW MEXICO

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED G. Bannantine Regulatory Group Mgr. DATE September 8, 1981  
G. Bannantine

APPROVED (This space for Federal or State office use)  
(Orig. Sgd.) ROGER A. CHAPMAN  
APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:  
USGS (3), ERT, JWH, CHQ, WHS, GLS, RG, CF  
for JAMES A. GILLHAM  
DISTRICT SUPERVISOR  
See Instructions on Reverse Side

**SUMMARY DRILLING PROGRAM**

Date 8/24/81

NAME FEATHERSTONE FEDERAL NO. 1 W.I. - 100%  
COUNTY LEA COUNTY, NEW MEXICO  
SUBJECT MORROW TEST

<p align="center">Method of Drilling</p> <table style="width:100%;"> <tr> <td style="width:30%;">TYPE TOOLS</td> <td>DEPTH INTERVAL</td> </tr> <tr> <td>ROTARY</td> <td>0 - 13,800'</td> </tr> </table>		TYPE TOOLS	DEPTH INTERVAL	ROTARY	0 - 13,800'	<p align="center">Approximate Depths of Geological Markers Estimated Elevation</p> <table style="width:100%;"> <tr> <td style="width:30%;">Marker</td> <td style="width:30%;">Depth</td> <td style="width:40%;">Elevation</td> </tr> <tr><td>Red Beds</td><td>402'</td><td></td></tr> <tr><td>Rustler</td><td>2,000'</td><td></td></tr> <tr><td>Delaware</td><td>5,847'</td><td></td></tr> <tr><td>Wolfcamp</td><td>11,746'</td><td></td></tr> <tr><td>Strawn</td><td>12,104'</td><td></td></tr> <tr><td>Atoka</td><td>12,445'</td><td></td></tr> <tr><td>Morrow</td><td>12,965'</td><td></td></tr> <tr><td>Barnett</td><td>13,365'</td><td></td></tr> <tr><td colspan="3"> </td></tr> <tr> <td colspan="2">Total Depth</td> <td>Possible Completion Interval</td> </tr> <tr> <td colspan="2">Possible Pay</td> <td></td> </tr> <tr> <td colspan="2">20'</td> <td>13,000 - 13,020'</td> </tr> </table>		Marker	Depth	Elevation	Red Beds	402'		Rustler	2,000'		Delaware	5,847'		Wolfcamp	11,746'		Strawn	12,104'		Atoka	12,445'		Morrow	12,965'		Barnett	13,365'					Total Depth		Possible Completion Interval	Possible Pay			20'		13,000 - 13,020'
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**MUD PROGRAM**

APPROX. INTERVAL	TYPE MUD	WEIGHT #/gal.	VISCOSITY SEC. API	WL CC/30M	OTHER SPECIFICATIONS
0 - 600'	Spud Mud	8.4 - 8.8	35-40	NC	
600 - 1,800'	Fresh Water	8.5 - 9.0	28	NC	Flocculate w/Lime
1,800 - 4,400'	Native Salt	9.0 - 10.0	28	NC	Use Benex (Reserve)
4,400 - 11,500'	Fresh Water	8.4 - 9.5	28	NC	Use Benex (Reserve)
11,500 - 13,800'	Brine	9.5 - 11.0	32-45	6-15	2% KCL & MonPac

**CASING PROGRAM**

CASING STRING	EST. DEPTH	CASING SIZE	SX CEMENT	TYPE CEMENT	DESCRIPTION OF TOC
CONDUCTOR	39'	20"	N/A	Redi-Mix	Surface CIRCULATE
SURFACE	600'	16"	1,110	"C"	Surface CIRCULATE
1st Intermediate	4,400'	10-3/4"	2,750	"C"	Surface CIRCULATE
2nd Intermediate	11,500'	7-5/8"	390	"H"	9,000'
Liner	13,800'	5"	225	"H"	11,100'

**CORING PROGRAM**

None

**COMPLETION PROGRAM**

To be prepared by Western Division Production Engineering

**GENERAL REMARKS**

1,980' FNL & 1,980' FEL Section 21, T20S, R35E  
AFE: 1CD-360 Dry Hole: \$M 1,375 Completed: \$M 1,930  
CC: 1CD-361 Suspended: \$M 1,634

Prepared By: J. P. Andrews <i>JP</i>	APPROVED W. H. Snyder	APPROVED C. H. Quebedeaux
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dlw

R. M. Bayne  
*H. K. A. F.*  
*R. M. B.*