

UNITED STATES
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 <input type="checkbox"/> gas well <input checked="" type="checkbox"/> other <input type="checkbox"/>	OCT 3 1978
2. NAME OF OPERATOR Amoco Production Company <input checked="" type="checkbox"/> D. C. C.	
3. ADDRESS OF OPERATOR ARTESIA, OFFICE P.O. Drawer "A", Levelland, Texas	
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) AT SURFACE: 660' FSL & 1980' FEL Sec. 5 (Unit 0) AT TOP PROD. INTERVAL: SW $\frac{1}{4}$ SW $\frac{1}{4}$) 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 <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input checked="" type="checkbox"/>	<input type="checkbox"/>
(other) <input type="checkbox"/>	DST Tests <input checked="" type="checkbox"/>

5. LEASE NM18299	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME Federal I Com	
9. WELL NO. 1	
10. FIELD OR WILDCAT NAME Wildcat - Morrow	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 5-17-30	
12. COUNTY OR PARISH Eddy	13. STATE NM
14. API NO.	
15. ELEVATIONS (SHOW DF, KDB, AND WD) 3691.2 GR	

(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.)*

Drilled to a TD of 8416 on 5-29-78 and ran DST #1. Continued to drill to a TD of 8714 and ran DST #2 on 5-31-78. Continued to drill to a TD of 9325 and ran DST #3 on 6-04-78. Continued to drill to a TD of 11,150 and ran DST #4 on 6-19-78. Results of these DST tests are attached. Evaluated well and determined that it is not commercially productive. Propose to permanently plug and abandon as follows: Spot 60 sacks of Class H cement 10,500'-10,350'; Spot 60 sacks of Class H cement at 9425'-9275'; Spot 60 sacks of Class H cement at 7950'-7800'; Spot 60 sacks of Class H cement 6600'-6510'; Spot 40 sacks of Class H cement at 4900'-4800'; Spot 40 sacks of Class H cement at 3250'-3150'; Spot 10 sacks of Class H cement to fill to surface; Place mud laden fluid between all plugs. Erect PxA marker and restore ground to contour.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Ray W. Cox TITLE Adm. Supervisor DATE 8/15/78

(This space for Federal or State office use)

APPROVED BY Joe A. J. [Signature] ACTING DISTRICT ENGINEER DATE OCT - 2 1978

CONDITIONS OF APPROVAL, IF ANY:

0+4-USGS, Art
1-Div
1-Susp
1-RC1-Dorchester Exploration
Attn: Chuck Morehead
1100 Midland Natl. Bank
Midland, Texas 79701
*See Instructions on Reverse Side

AMOCO PRODUCTION COMPANY

FEDERAL I COM. #1

660' FSL & 1980' FEL, SEC. 5 (UNIT 0, SW $\frac{1}{4}$, SW $\frac{1}{4}$)

DST RESULTS

DST #1 7560-7675 LOWER ABO BY TELEFLOW TST SYSTEM TO EVAL WC ZONE: ON 5 MIN CLOSED CHAMBER INITIAL PREFLOW AVG FLOW RATE OF 7.33 MCFPD WAS INDICATED. R 91 MIN ISBHP. ON 60 MIN FINAL FLOW AVG CLOSED CHAMBER FLOW RATE OF 1.95 MCFPD WAS CALCULATED FROM APPARENTLY VERY LOW PERMEABILITY FM. R 120 MIN FSIBHP. REC 180 FT SLIGHTLY GAS CUT DRL FL IN DP X RESISTIVITY 0.06 AT 78 DEG F X CHL 100000 MG/L IN TOP X BTM OF REC VS PIT MUD 0.06 AT 84 DEG F X 103000 MG/L CHL. SAMPLE CHAMBER PRS TSTM. IHH 3759 PSI. 5 MIN IFBHP 124-112 PSI. 91 MIN ISIBHP 309 PSI. 60 MIN FFBHP 112-112 PSI. 120 MIN FSIBHP 309 PSI. FHH 3759 PSI. BHT 116 DEG F. VISUAL INTERPRETATION OF CHART - FM EXTREMELY TIGHT.

DST #2 8595-8632 WOLFCAMP BY TELEFLOW TST SYSTEM TO EVAL DRLG BREAK 8617-8629. ON 6.25 MIN CLOSED CHAMBER INITIAL PREFLOW AVG FLOW RATE OF 33 MCFPD WAS INDICATED. R 90.25 MIN ISIBHP. ON 61.25 MIN FINAL FLOW AVG CLOSED CHAMBER FLOW RATE OF 2.78 MCFPD WAS CALCULATED APPARANTLY FROM TIGHT FM. R 180 MIN FSIBHP. REC 60 FT 0.3 BBLS FREE OIL X 150 FT 0.74 BBLS DRLG FL IN DP X RESISTIVITY 0.08 AT 70 DEG F X CHL 100000 MG/L IN TOP X BTM OF REC VS PIT MUD RESISTIVITY 0.10 AT 70 DEG F X CHL 110000 MG/L. SAMPLE CHAMBER REC AT 80 PSI OF 0.82 CU FT OF GAS X 1640 CC OF OIL 43 DEG API AT 60 DEG F. IHH 425 PSI. 6.25 MIN IFBHP 92-104 PSI. 90.25 MIN ISIBHP 812 PSI STILL BUILDING. 61.25 MIN FFBHP 104-142 PSI. 180 MIN FSIBHP 2140 PSI STILL BUILDING BUT STARTING TO LEVEL OUT. FHH 4251 PSI. 129 DEG F. VISUAL INTERPRETATION OF CHART VERY TIGHT FM X LOW FLOW OF GAS.

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ARTESIA, NEW MEXICO

060378 DST #3 9105-9173 WOLFCAMP. HIT BREAK 9143-9165 X 300 BW X MIX 50 BBL SWEEP OF GEL X QUIKSEAL. HOLE STAYING FULL. 060478 LOST 150 BF TO HOLE LAST 8-3/4 HRS. WILL MIX X CIRC LCM PILL. 060578 CIRC SAMPLES X PMP 75 BBL JET TO SWEEP HOLE. DRL BRK 9350 TO 9365.

DST #3 9102-9173 CISCO BY TELEFLOW TST SYSTEM TO EVAL SCATTERED DRLG BREAKS: ON 5.25 MIN CLOSED CHAMBER INITIAL PREFLOW HIGH LIQ FLOW RATE WAS INDICATED FROM HIGH PERMEABILITY FM. R 90 MIN ISIBHP. ON 26 MIN FINAL FLOW AVG CLOSED CHAMBER FLOW RATE OF 3600 BPD WAS CALCULATED WELL STARTED KILLING ITSELF AT 26 MINS. R 60 MIN FSIBHP SURF PRS STAB IMMEDIATELY AFTER CLOSING TOOL. REC 552 FT. 7.9 BBLS DRLG FL X RESISTIVITY 0.08 AT 90 DEG F X 104000 MG/L CHL X 6382 FT 81.0 BBLS SULFUR W X RESISTIVITY 0.03 AT 90 DEG F X 104000 MG/L CHL IN TOP 0.09 AT 90 DEG F X 96000 MG/L CHL IN BTM OF DP REC. SAMPLE CHAMBER REC AT 110 PSI OF 2420 CC SULFUR W X RESISTIVITY 0.07 AT 90 DEG F X 78000 MG/L CHL VS PIT MUD RESISTIVITY 0.06 AT 90 DEG F X 121000 MG/L CHL. IHH 4470 PSI. 5.25 MIN IFBHP 2535-2788 PSI. 90 MIN ISIBHP 3565 PSI STABILIZED. 26 MIN FFBHP 3276-3540 PSI. 60 MIN FSIBHP 3565 PSI STAB. FHH 4419 PSI. BHT 135 DEG F.

DST #4 10762-11150 MORROW BY TELEFLOW TST SYSTEM TO EVAL
SCATTERED SN: ON 5.5 MIN CLOSED CHAMBER INITIAL PREFLOW
AVG FLOW RATE OF 2.75 MCFPD WAS INDICATED. R 90 MIN ISIBHP.
ON 75 MIN FINAL FLOW AVG CLOSED CHAMBER FLOW RATE OF 2.0
MCFPD WAS CALCULATED. R 225 MIN FSIBHP. REC 490 FT 2.7
BBLs SLIGHTLY GAS-CUT DRL FL IN DP X RESISTIVITY 0.08 AT 80
DEG F X CHL 138000 MG/L. SAMPLE CHAMBER REC AT 50 PSI OF
0.75 CU FT OF G X 2060 CC OF MUD X RESISTIVITY 0.08
AT 80 DEG F X CHL 138000 MG/L VS PIT MUD RESISTIVITY 0.08
AT 80 DEG F X CHL 138000 MG/L.
IHH 5946 PSI. 5.5 MIN IFBHP 289-314 PSI.
90 MIN ISIBHP 806 PSI. 75 MIN FFBHP 327-352 PSI.
225 MIN FSIBHP 541 PSI. FHH 5934 PSI. BHT 157 DEG F.