

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

(See other in-
structions on
reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐		5. LEASE DESIGNATION AND SERIAL NO. SF-078195	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Amoco Production Company		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. P.O. Box 800, Denver, Colorado 80201 (303) 830-4075		8. FARM OR LEASE NAME, WELL NO. Sellers Federal #2M	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1170' FSL 1460' FEL UNIT O At top prod. interval reported below At total depth		9. API WELL NO. 3004529080	
14. PERMIT NO.		DATE ISSUED	
15. DATE SPUDDED 02/03/94		16. DATE T.D. REACHED 02/15/94	
17. DATE COMPL. (Ready to prod.) 6-10-94		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6065' GR	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 7164'	
21. PLUG, BACK T.D., MD & TVD 7135'		22. IF MULTIPLE COMPL., HOW MANY* 2	
23. INTERVALS DRILLED BY		ROTARY TOOLS YES	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* Mesaverde 4235' - 5086'		CABLE TOOLS NO	
25. WAS DIRECTIONAL SURVEY MADE Yes		26. TYPE ELECTRIC AND OTHER LOGS RUN HRI/GR/DSETN/SDL/TRCR/CBL	
27. WAS WELL CORED N		28. CASING RECORD (Report all strings set in well)	
Casing Size/Grade		Weight, lb./ft.	
11.75" K55		42#	
8.625" K55		32#	
5.5" k55		15.5#	
Depth Set (MD)		Hole Size	
267'		14.75"	
2778'		11.0"	
7152'		7.875"	
Top of Cement, Cementing Record		Amount Pulled	
185 sx Class B			
1st stg = 190 sx Cl B, 2nd stg = 150 sx POZ,			
Tail w/ 100 sx Class B			
1150 SX 50/60 poz			
29. LINER RECORD		30. TUBING RECORD	
Size		Size	
TOP (MD)		DEPTH SET (MD)	
BOTTOM (MD)		PACKER SET (MD)	
SACKS CEMENT*			
SCREEN (MD)			
1 1/4"		5063'	
31. PERFORATION RECORD (Interval, size and number) See Attached		32. ACID, SHOT, FRACTURE, ETC. RECORD	
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
4235' - 5086'		Attached	
33.* PRODUCTION		OIL CON. DIV. DIST. 3	
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing to atmosphere	
WELL STATUS (Producing or shut-in) SI w/o 1st Del			
DATE OF TEST May 24 1994		HOURS TESTED 24	
CHOKE SIZE 3/4"		PROD'N FOR TEST PERIOD	
OIL - BBL 0		GAS - MCF 1522	
WATER - BBL 10		GAS-OIL RATIO	
FLOW TUBING PRESS 105		CASING PRESSURE 420	
CALCULATED 24-HOUR RATE		OIL - BBL 0	
GAS - MCF 1522		WATER - BBL 10	
OIL GRAVITY - API (CORR.)			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) To be sold		TEST WITNESSED BY	
35. LIST OF ATTACHMENTS			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			

SIGNED Mike Curry TITLE Business Analyst DATE 6/14/94

*(See Instructions and Spaces for Additional Data on Reverse Side)

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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REF ID: A66000

Operator: **AMOCO**Wellname: **SELLERS FED LS # 6M**API: **30045290800**

Sec: 30

Twp: 30N

Rng: 10

Spot: NW SE SE

Pot. Prod Zones: MV,KD

Ref No: 2005

Plat Rcvd: ☐ Prognosis: ☐ Form 46: ☒ Mudlog Pkg: ☐ Final Disturb: ☐ File to 15: ☐

Mud Logger:

Mud Invoice:

GL Est: 6165 KB Est: 6081 KB: 6081 ICP: 2778 PCP: TD: 7164

COMMENTS: NO LOGS RUN 1

AMOCO TOPS							
Zone	Est Struc	Calc Depth	Calc Struc	Actual Depth	Input Date	Tops Source	Comments
OJOA_	4900	1181			1/30/93	AML	NOT LOGGED
KIRT	4755	1326			1/30/93	AML	NOT LOGGED
FRLD	3880	2201			1/30/93	AML	NOT LOGGED
PCCF	3590	2491			1/30/93	AML	NOT LOGGED
LWIS	3453	2628			1/30/93	AML	NOT LOGGED
CLFH	1971	4110	1930	4151	1/30/93	AML	
MENF	1770	4311	1896	4185	1/30/93	AML	
PNLK	1277	4804	1277	4804	1/30/93	AML	
MNCS	888	5193	890	5191	1/30/93	AML	
GLLP	43	6038	34	6047	1/30/93	AML	
GRNH	-690	6771	-686	6767	1/30/93	AML	
GRAN	-750	6831	-746	6827	1/30/93	AML	
DKTA	-800	6881	-801	6882	1/30/93	AML	
MRSN					1/30/93	AML	
TD	-1200	7281	-1083	7164	1/30/93	AML	DRILLED TO TOP ENCINAL CANYON ON AIR.

SELLERS FEDERAL LS #2M

MIRUSU 2/26/94. TALLY 264 JNTS 2-3/8 TBG. MAKE UP 4-3/4" BIT ON 8, 3-1/8 DRILL COLLARS. PICK UP & RUN 213 JNTS 2-3/8 TBG. TAG CMT 6894. DRILL OUT 114' CMT TO DEPTH OF 7008. CIRC CLEAN. PULL 1 JNT. PRESS TEST INTERMEDIATE CSNG TO 500 PSI, HELD OK. DRILL OUT 127' TO DEPTH OF 7135'. PRESS TEST CSNG TO 1000 PSI, HELD OK. PMP 180 BBLS CLAY FIX H2O TO CIRC HOLE, TOH 4-3/4 BIT & COLLARS. RUN CBL, VDL, GR, CCL LOG FROM 1075 TO 7135. LOG W/1500 PSI. CEMENT TOP 1100'-7135, 90-95% BOND, PRESS TEST CSNG TO 3000 PSI, HELD OK. PERF AS FOLLOWS USING 4" GUNS, LOADED 1 SPF, 32 GRAM CHGS W/HOLE 0.51".

PERF: 6884, 6888, 6955, 6963, 6972, 6986, 7012, 7016, 7030, 7076, 7086, 7096, 7106.

TIH ON 2-3/8" TBG. TAG BTM 7135'. PRESS TEST SURFACE LINES TO 6000 PSI, HELD OK. PMP 48 BBLS H2O TO OBTAIN ISIP (1700). SCF N2 AVG RATE OF 11.6 BPM FLUID @ AVG PR OF 3880. STAGE SAND FROM 1 PPG TO 5 PPG. TOTAL OF 205,000# 20/40 & 12,000# 40/70 SAND IN FORMATION.

FLW WELL THRU 1/4" CHOKE FOR 8 HRS. CSNG PR 1600 CHG CHOKE TO 1/2", FLWING CSNG PR 200 PSI, FLWING CSNG PR 200. FLW WELL THRU 1/2" CHOKE FOR 14 HRS FLWING CSNG PR 125 PSI. BLW DWN WELL. RIG UP PMP & PMP 20 BBLS CLAY FIX H2O DWN CSNG. ND FRAC VALVE & NUBOPS. TIH WITH 1/2 MULESHOE, 1 JNT TBG & STRING FLOAT. PICK UP 226 JNTS 2-3/8 TBG. TAG FILL 7084. RIG DN HES N2 UNIT. CLEAN UP 51 FT SAND TO DEPTH OF 7135. TOH & STAND 2-3/8 TBG. RIG IN HES WIRELINE. RUN AFTER FRAC TRACER LOG USING 4" GUNS LOADED W/2 SPF, 120 DEGREE PHASING. SHOOT 7070-7110 - OK, 7026-7032 - OK, 7010-7018 - OK, 6954-6976 - OK, RIG DWN WIRELINE.

BLW DWN WELL THRU 2" LINE. PMP 40 BBLS TO KILL WELL. MAKE UP 1-7/16 OVERSHOT & TIH ON 2-3/8 TBG. RUN 2 STANDS & TAG BTM 7120. TOH W/110 STANDS. PMP 20 BBLS TO KILL WELL. FINISH TOH. RIG IN HES WIRELINE. FINISH PERF ZONE WITH 4" GUNS. PERF FROM 6883 - 6890. OK. RIG DWN WIRELINE. PMP 15 BBLS TO KILL WELL. TIH W/1-7/16 OVERSHOT. PMP 30 BBLS DWN TBG. TOH 110 STANDS. PMP 15 BBLS TO KILL WELL. FINISH TOH. BRK DWN 1-7/16 OVERSHOT & MAKE UP 4-1/4 OVERSHOT. PMP 15 BBLS TO KILL WELL. TIH 4-1/4 OVERSHOT. TAG FISH 7090. PMP 20 BBLS. FINISH TOH. DRAIN PMP & LINES. BLED OFF PRESS IN 1 HR TO 450 PSI. KILLED WELL W/30 BBLS, PU 6 3/8 DC & TIH W/110 STDs. HSCG PERF GUN & CABLE IN SHOE. TIH WITH 1/2 MULE, 1 JT, SN WITH F COLLAR, & LAND TBG @ 6893 FT. RU FLOW LINE.

TOH W/TBG & 1/2 MULE SHOE, RU WLE & RIH W/RBP & SET @ 6850 ROH & LOAD HOLE W/180 BBLS & PRESS TEST TO 3000 PSI. RIH & DUMPED BAILED 1 SXS OF SAND ON RBP SET @ 6850. NDBOP NU FRAC VALVE PRESS TEST TO 3000 PSI, HELD OK. RU WLE & RIH & PERF MV W/4" HSCG W/2 JSPF W/19.5 GRM .45 HOLE, 120 DEG PHASED, FROM:

5082-5086, 5004-5008, 4949-4951, 4944-4946, 4888-4892, 4866-4874, 4836-4852, 4808-4826,

FLUID LEVEL DROPPED TO 500 FT. RIGGED UP FRAC EQUIP & PRESS TEST LINES, PMP BALL OFF JOB W/175 BALLS & 9859 GAL WATER PERFS BROKE BACK FROM 2835 PSI, HIT BALL THREE TIMES, RIG DWN FRAC HEAD. RU WLE & RIH W/GR & JB & KNOCKED BALL OFF PERFS. ROH RECOVERED 69 BALLS OF WHICH 62 HAD HITS. RU FRAC HEAD & PRESS TEST. FRAC MV INTERVAL 4808-5086 W/BORAGEL FRAC, PMP 31034 GAL PAD FOLLOWED BY GEL W/12/20 SAND STAGED FROM 1 LB/GAL TO 6 LB/GAL TOTAL FLUID VOL=84606 GAL TOTAL SAND VOL=1680 SXS - AVG PRESS=525, AVG RATE=63 BPM 5 MIN SI=81 PSI 10 MIN SI=76 PSI, TOTAL LOAD TO RECOVER=99549 GAL=2370 BBLS, RIGGED DWN FRAC EQUIP. RU FLOW BACK TREE.

TOH TO 4811. TOH W/TBG, ND BOP NU FRAC VALVE. RIH & SET RBP @ 4771 ROH & FILLED CSG & PRESS TEST TO 3000 PSI, HELD OK. RIHAND DUMPED BAILED 1 SXS SAND ON RBP, RIH & PERF THE DK MEMEFEE & CLIFFHOUSE W/1 JSPF W/4" HSCG W/120 DEG PHASED, 19 GRAM CHARGE, .45 HOLE, PERF FROM:

4235, 4240, 4246, 4252, 4254, 4264, 4266, 4278, 4284, 4288, 4301, 4442, 4450, 4458, 4462, 4466, 4524, 4602, 4610, 4614, 4616, 4702, 4706, 4730, 4734.

RIGGED DWN WLE, RIGGED UP FRAC EQUIP, PRESS TEST LINES, HTGSM, PMP BALL OFF W/40 BALL & 7103 GAL SLICK WATER PRESS UP ON BALLS 3 TIMES TO 3500 PSI, RIGGED DWN FRAC EQUIP. RIGGED UP WLE, RIH W/GR & JB & KNOCKED OFF BALLS, DID NOT RECOVER ANY BALLS, NO FLAPER IN JB. RIGGED UP FRAC EQUIP, FRAC DWN CSG W/70 QUALITY FOAM & 16/30 SAND. PMP 9169 GAL PAD THEN STAGED IN 16/30 SAND FROM 1 LB TO 5 LB STAGES. TOTAL SAND=100,000 LBS, TOTAL FLUID=23776 GAL CLEAN - AVG BOTTOM HOLE RATE=30 BPM AVG N2 RATE=20,930 SCF/M AVG PRESS=2350 ISIP=2360 - 5 MIN=2028 - 10 MIN=2008, 15 MIN=2004, TOTAL LOAD TO REC=35611 GAL =848 BBLS, SHUT WELL IN RIGGED DWN FRAC EQUIP.

FLW WELL ON CLEAN UP FOR 48 HRS THRU 1/2" CHOKE. FLWING CSNG PR 125 PSI. RECOVERED 220 BBLS. BLW DWN WELL THRU 2-2" LINES. PMP 15 BBLS 2% CLAY FIX H2O DWN CSNG. ND FRAC VALVE & NUBOPS. TIH WITH 1/2 MULESHOE, 1 JNT 2-3/8 TBG & SEATING NIPPLE. TAG FILL 4792. TOH & LAY DWN 93 JNTS 2-3/8 TBG. LAND TBG 4227. NDBOPS & NUWH. RIG DWN PMP, TRANSFER FRAC H2O. RIG RELEASED.

MIRUSU 5/13/94. FINISH RU & LAY 3" RELIEF LINES. LAY DWN 52 JNT OF 2.375 IN TBG. LAND TBG ON SLIPS @ 4952 & SHUT IN CASING. RIG DWN & REL RIG 5/20/94.

MIRUSU 6/1/94. PLACE WELL ON .75 IN CHOKE FOR 2.5 HRS W/INITIAL FCP 140 PSI & FINAL FCP OF 285 OR ESTIMATED DAK AND MV PROD @ 4132 MCF. R/U HOWCO & C/O SAND F/7099 TO 7135 PBD & CIRC CLEAN W/N2. LAY DWN 7100' OF 2.375 IN TBG ON FLOAT. UNLOAD RACK 2-1/16 & 1-1/4 IN PROD TBG STRINGS. RU HES WIRELINE & SET BY WIRELINE A BAKER MODEL D PROD PKR W/PLAIN BOTTOM @ 5175. BLOW WELL DWN & P/U & TIH W/2.063 3.25 LB J55 TBG SEAL ASSM BLAST JNTS ACROSS MV PERS & LAND END @ 7089. HAND 5K ON HANGER & 16K SET IN MODEL D PKR @ 5175. INSTALL OFFSET SPOOL & 1.25 IN RAMS. PU & TIH W/ORANGE PEEL PERFORATED PROD TUBE ONE JNT & SEATING NIPPLE & 156 JNTS OF 1.660 2.33 LB J55 U TBG & LAND @ 5063. NDBOP & NU WELLHEAD. PMP 12 BW IN MV STRING & PMP OUT PLUG. PMP 3 BW DWN 2.063 DAK STRING & RU SLICK LINE TO PULL FWE BLANKING PLUG. RUN DAK TBG DRIFT TO F NIPPLE, RUN EQUALIZING PRONG & PULL FWE PLUG FROM F NIPPLE @ 7053, HAD 600 PSI ON DAK ONCE EQUALIZING.