

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

Coal Seam

2. Name of Operator

Amoco Production Company

Attention:

Mike Curry

3. Address and Telephone No.

P.O. Box 800, Denver, Colorado 80201

(303) 830-4075

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1760' FNL 1910' FEL

Sec. 27 T 31N R 9W

SW/4NE/4

5. Lease Designation and Serial No.

NM-013685

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Schwerdtfeger Gas Com #1

9. API Well No.

3004527382

10. Field and Pool, or Exploratory Area

Basin-Fruitland Coal Gas

11. County or Parish, State

San Juan

New Mexico

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

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Workover

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ 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.)*

Amoco Production Company plans to workover the well per the attached procedure.

RECEIVED
JUN 7 1994
OIL CON. DIV.
DIST. 3

RECEIVED
BLM
070 FARMINGTON, NM
04 JUN -2 PM 2:44

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

Signed

Mike Curry

Title

Business Analyst

Date

05-31-1994

(This space for Federal or State office use)

Approved by

Title

Conditions of approval, if any:

APPROVED

JUN 03 1994

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.

WORKOVER PROCEDURE
SCHWERDTFEGER GAS COM #1

OBJECTIVES: To (1) Cleanout openhole, (2) stimulate by recavitation of the Fruitland coals, and (3) replace 2 3/8" tubing with 4 1/2" tubing. Needed wellhead upgrades will also be done.

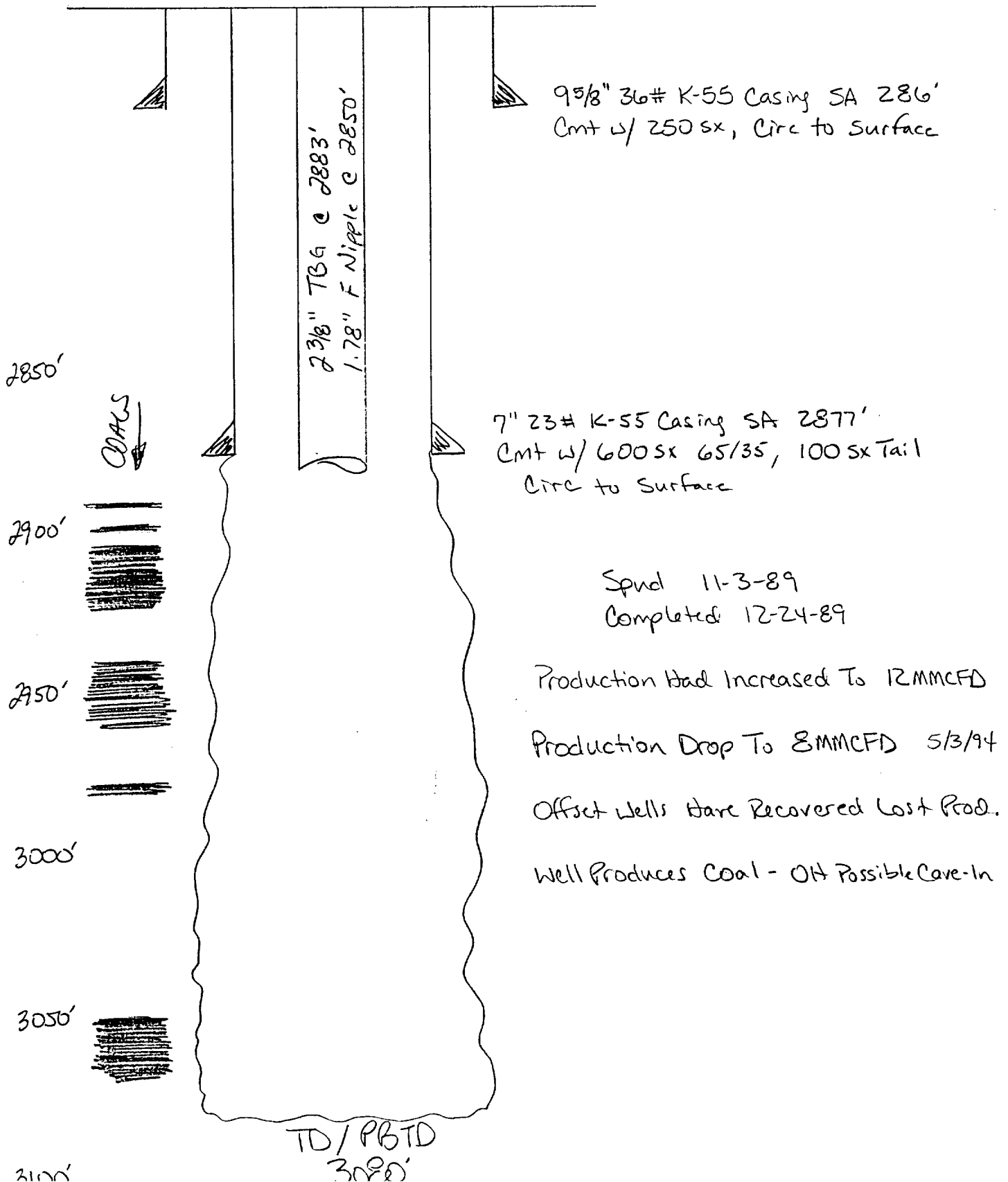
CURRENT WELL CONDITION: This well is an open-hole Fruitland coal producer drilled in 1989. 9 5/8" 36# K-55 casing was set at 286' and cemented to surface. 7" 23# K-55 casing was set at 2877' and cemented to surface. The well was drilled to a TD of 3080', and the well was completed on 12-24-89. With line pressure fluctuations the well has lost gas production from 12 MMCFD to less than 8 MMCFD. The well has not been able to return to previous production levels. The well is producing coal and the openhole appears to have caved-in. A recent wireline tag stacked out just below the 7" casing depth.

1. MIRU cavitation rig with associated openhole completion equipment.
2. Tag for fill and cleanout to TD of 3080'.
3. Using openhole completion techniques, cleanout the openhole section and stimulate the Fruitland coals. These operations should continue as long as flow rates are increasing with time and the wellbore is unstable.
4. Once hole is stabilized and no appreciable increase in gas rates are expected, RIH with production string of 4 1/2" TBG. Land TBG at 2880'. Upgrade wellhead and return well to production.

MDG.94.05.31.

SUBJECT Schwerdtfeger Gas Com #1
NE/4 Section 27, T31N, R9W

Fruitland Coal
WBD



LEGEND

SHALES



GY

BLK

BRN

GN

RED

SS

LS

DOL

COAL

SLTST

MUD DATA & RIG MECH

PENETRATION RATE IN MIN./FT.

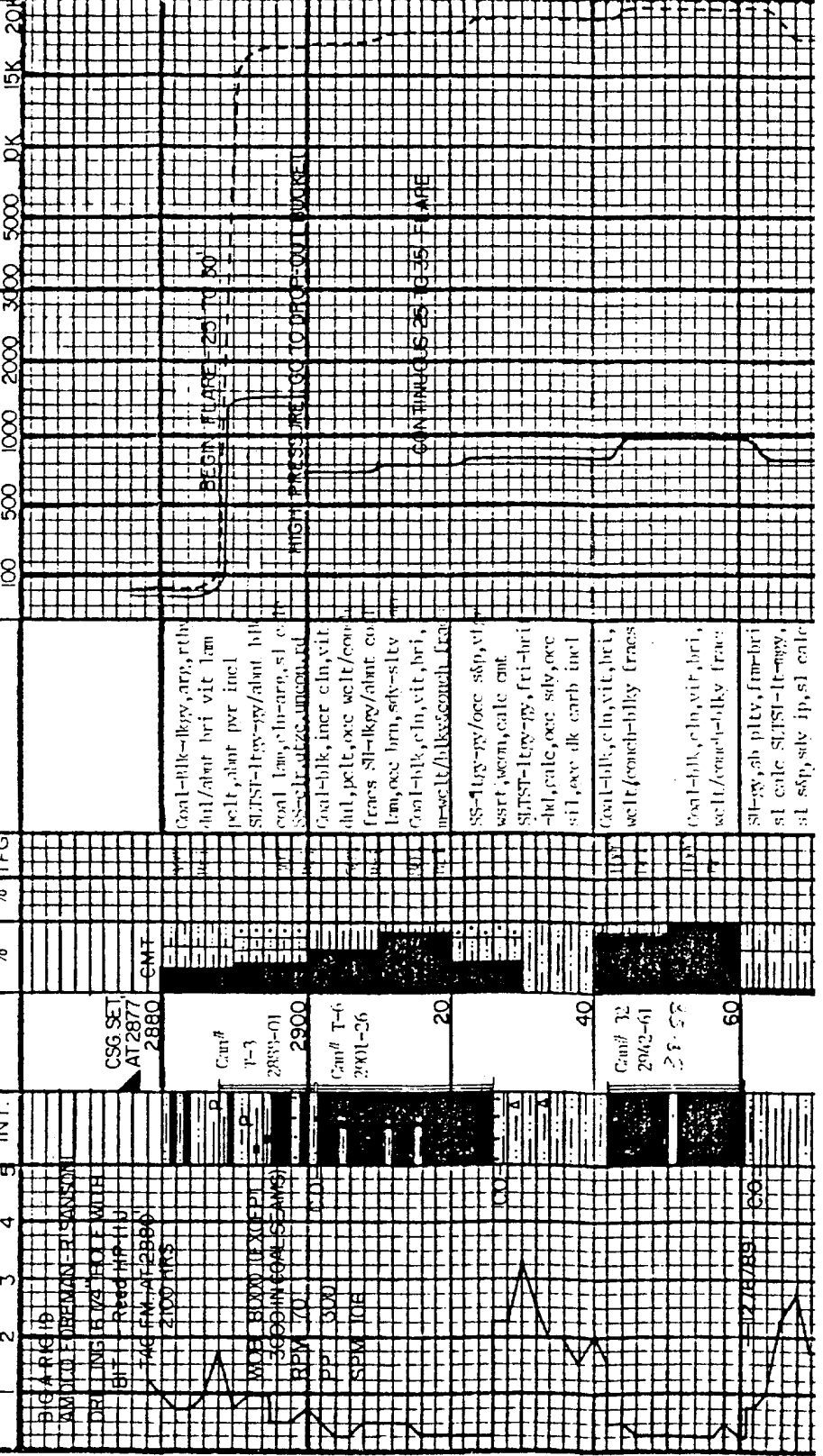
LITHOLOGY

FLUOR %

FORMATION DESCRIPTION

CHROMATOGRAPH C-1 C-2 C-3 C-4

HOT WIRE GAS ANALYSIS



Four Corners Contracting Service
Geoscience Consulting Firm
P.O. Box 8101
Durango, Colorado 81301
(303) 259-0655

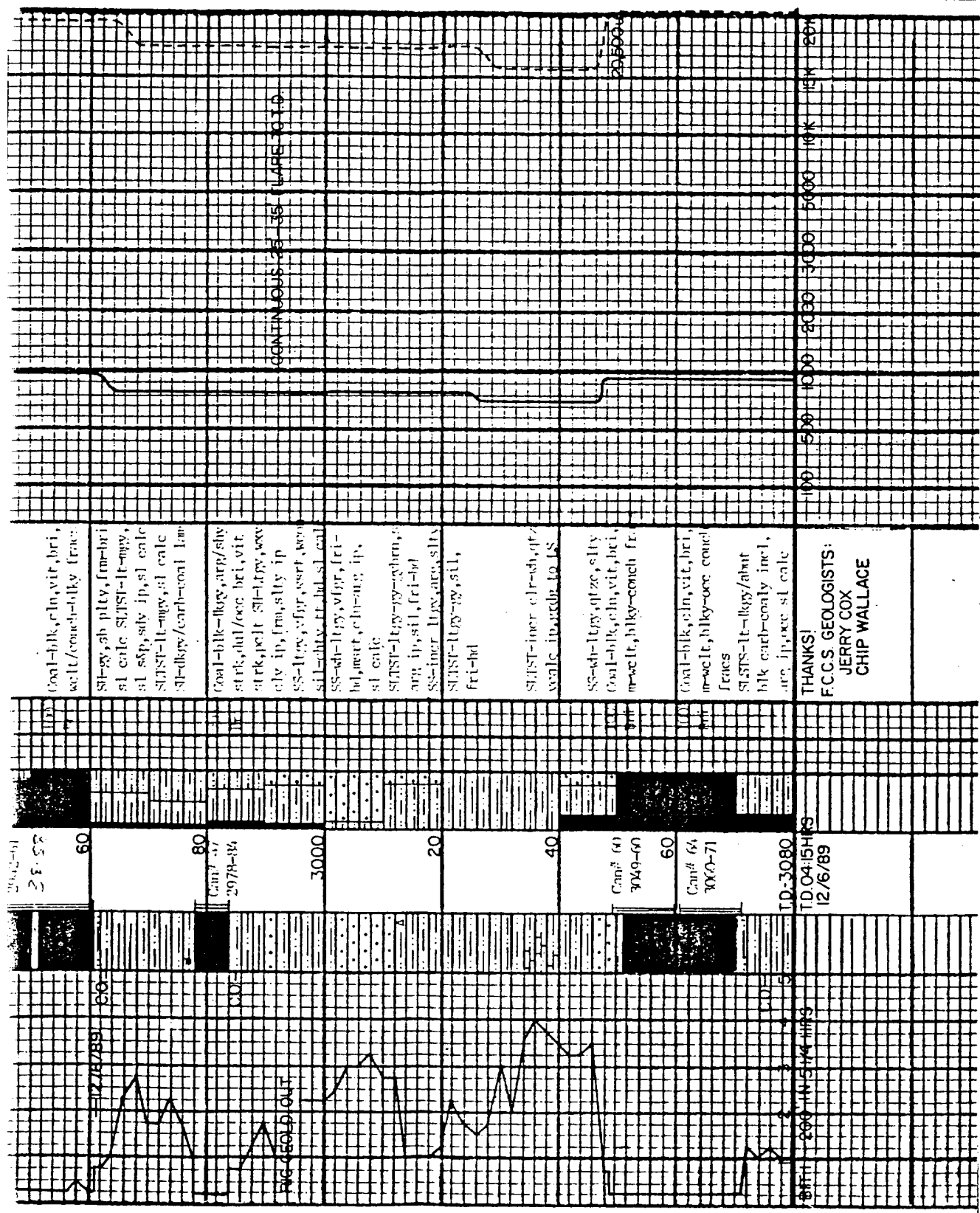
ELEV. G.L. 6236 K.B. 6249
DEPTH LOGGED: FROM 2878 TO 3080'
DATE LOGGED: FROM 12/5/89 TO 12/6/89
MUD TYPE FRESH WATER
LOGGED BY J. COX, C. WALLACE

CHROMATOGRAPH ANALYSIS

C1 = 50u
C2 = 100u
C3 = 272u
C4 = 296u
C5 = 301u

1760 FNL X 1910 FEL

WELL SCHWERTFEGGER G.C. No. 1
LOCATION: SEC 27, T 31N, R 9W
COUNTY SAN JUAN STATE NEW MEXICO
OPERATOR AMOCO PRODUCTION CO.



2000-60
28-52
60
80
Can't see
2978-84
3000
20
40
Can't see
3000-60
60
Can't see
3000-71
TD-3080
TD-04:15HRS
12/6/89

Coal-blk, cln, vit, bri,
wett/conch-bkly frac
SS-ss, sh, pty, fine-bri
sl calc STST-lt-ss, vit
sl ssp, sly ip, sl calc
STST-lt-ss, vit, sl calc
ST-dkwy/carb-coal lam
Coal-blk-ltss, arg/sly
st rk, dul/occ bri, vit
st rk, pelt ST-ltss, sss
sly ip, fine, sly ip
SS-ltss, vfr, sss, sss
sl-chy, rt, dul, sl calc
SS-sh-ltss, vfr, fri-
bul, met, cln-arg ip,
sl calc
STST-ltss-ss-ss, sss
arg ip, sly, fri-hd
SS-ltss, arg, sly
STST-ltss-ss, sly,
fri-hd
STST-ltss, arg, sly
wett, ip, arg, to ss
SS-sh-ltss, arg, sly
Coal-blk, cln, vit, bri,
wett, bkly-conch
Frac
Coal-blk, cln, vit, bri,
wett, bkly-conch
Frac
STST-lt-ss, arg, sly
blk carb-coaly incl,
arg ip, sss sl calc

CONTINUOUS 28-35 CLARE TO 13

2000-60
28-52
60
80
Can't see
2978-84
3000
20
40
Can't see
3000-60
60
Can't see
3000-71
TD-3080
TD-04:15HRS
12/6/89



Amoco Production Company

CASING AND TUBING TALLY

LEASE/UNIT/FACILITY Schwerdtfeger Gas Com WELL No. 1 DATE 1216, 1989
PIPE RUN. SIZE 2 3/8 WEIGHT 4.7 GRADE J-55 TYPE JOINT Brt EUE MAKE Full Body Normalized NO. FT. _____
PIPE RUN. SIZE _____ WEIGHT _____ GRADE _____ TYPE JOINT _____ MAKE _____ NO. FT. _____
PIPE RUN. SIZE _____ WEIGHT _____ GRADE _____ TYPE JOINT _____ MAKE _____ NO. FT. _____

Tallied Threads off

NO.		LENGTH OF JOINT		NO.		LENGTH OF JOINT		NO.		LENGTH OF JOINT		NO.		LENGTH OF JOINT		NO.		LENGTH OF JOINT		TALLY OF JOINTS NOT RUN	
																				NO.	LENGTH OF JOINT
1		75	51	32	45	(101)	32	43	151			201			251					1	32 42
2	31	53	52	32	46	(102)	32	39	152			202			252					2	32 43
3		93	53	32	44	(103)	32	40	153			203			253					3	32 41
4	32	44	54	31	49	104			154			204			254					4	32 41
5	32	42	55	32	46	105			155			205			255					5	32 40
6	30	52	56	32	43	106			156			206			256					6	31 46
7	32	46	57	32	47	107			157			207			257					7	31 54
8	32	45	58	32	42	108			158			208			258					8	32 39
9	31	50	59	31	77	109			159			209			259					9	32 37
10	31	51	60	32	42	110			160			210			260					10	32 43
11	32	41	61	32	44	111			161			211			261					11	32 39
12	30	59	62	30	20	112			162			212			262					12	32 40
13	32	48	63	32	44	113			163			213			263						
14	32	43	64	32	41	114			164			214			264						
15	32	46	65	32	48	115			165			215			265						
16	32	43	66	32	44	116			166			216			266						
17	32	45	67	32	48	117			167			217			267						
18	32	45	68	32	45	118			168			218			268						
19	32	44	69	32	44	119			169			219			269						
20	32	42	70	32	45	120			170			220			270						
21	32	43	71	31	63	121			171			221			271						
22	32	43	72	31	50	122			172			222			272						
23	30	51	73	32	45	123			173			223			273						
24	32	44	74	32	46	124			174			224			274						
25	32	43	75	32	43	125			175			225			275						
26	32	43	76	31	55	126			176			226									387 05
27	32	44	77	32	49	127			177			227									
28	32	45	78	32	43	128			178			228								NO. JOINTS DELIVERED	101
29	32	46	79	32	46	129			179			229								NO. JOINTS RUN	89
30	31	51	80	32	42	130			180			230									
31	32	45	81	32	44	131			181			231								TOTAL RUN—OVERALL	2871.35
32	32	43	82	32	42	132			182			232								OFF FOR THREADS	—
33	32	45	83	32	45	133			183			233								TOTAL—THREADS OFF	2871.35
34	32	46	84	31	49	134			184			234								TOP PIPE BELOW:	
35	32	45	85	32	44	135			185			235								☐ ROTARY DRIVE BUSHING	12
36	32	42	86	32	45	136			186			236								☐ DERRICK FLOOR	
37	32	44	87	32	45	137			187			237								DEPTH LANDED	2883.35
38	32	47	88	32	41	138			188			238								REMARKS:	
39	32	44	89	32	43	139			189			239								1 st jt - Half mule shoe	
40	32	43	90	32	43	140			190			240								3 rd jt - Baker F-Nipole 1.78 ID.	
41	32	43	91	32	44	141			191			241								Landed at 2850.14	
42	32	44	(92)	32	42	142			192			242									
43	32	41	(93)	32	43	143			193			243									
44	32	44	(94)	32	41	144			194			244									
45	32	45	(95)	32	41	145			195			245									
46	32	47	(96)	32	40	146			196			246								Measure tubular goods with steel tape	
47	32	45	(97)	31	46	147			197			247								only. Use white tape when possible.	
48	32	44	(98)	31	54	148			198			248								Record tape readings in feet and	
49	31	52	(99)	32	39	149			199			249								hundredths. Tallied Threads	
50	32	45	(100)	32	37	150			200			250								off	

1548.54 1612.64 97.22

APPROVED Ronald Sanson

Total 3258.40