

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

2. Name of Operator

AMOCO PRODUCTION COMPANY

Attention:

Pat Archuleta

3. Address and Telephone No.

P.O. BOX 800 DENVER, COLORADO 80201

303-830-5217

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

1210' FSL

660' FWL

Sec. 31 T 31N R 8W

UNIT M N

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.

Dawson Gas Com

#1

9. API Well No.

3004527336

10. Field and Pool, or Exploratory Area

Fruitland Coal

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

TYPE OF ACTION

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

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

- ☐ 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 requests permission repair this well per the attached procedures.

If you have any technical questions contact Mke Kutas at (303) 830-5159.

Maximum Total Depth -- 3156'

RECEIVED
MAR 25 1997

OIL CON. DIV.
DIST. 3

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

Signed

Pat Archuleta

Title

Staff Assistant

Date

03-13-1997

(This space for Federal or State office use)

Approved by

/s/ Duane W. Spence

Title

Date

MAR 21 1997

Conditions of approval, if any:

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.

* See Instructions on Reverse Side

NMOCD

Dawson GC 1:

Current wellbore info: 7" CSA 2906', OH at 2906-3156', 2 3/8" TSA 3110', Fill at 3117'KB
Current flow info: 130 MCFD, FTP=87 psi, FCP=146 psi, LP=84 psi; Well has original TBG head w/2 1/8" casing valves.

General observations: 1. Well is capable of producing 100+ BWPD and has experienced severe loading problems; Production dropped 2500+MCFD in 3/94....Blowing doesn't unload well.

2. Well was cavitating in 12/89, recavitated in 3/94 and 2/95, and underreamed in 3/94

3. Significant fill problems were encountered during all well work at approx. 3110-20'

Short term plans: 1. C/O wellhead, C/O, deepen well, run liner; lower tubing, and install rod pump

1. MIRURT

2. ND tree, rig up BOP's w/cavitation capability, complete with venturies on blooie lines. Test BOE. Set plug in X-nipple in 2 3/8" TBG (1.875" X-nipple sa approx. 3090'). TOH and lay down 2 3/8" tubing

3. Set wireline EZSV in 7" at 2850'. Load csg and pressure test. NDBOE and change TBG head to allow for full opening casing valves (3 1/8")

4. Pick up 4.750" drill collars and 3.500" drill pipe with 6.250" bit, blow hole dry, drill up EZSV, clean out fill from 3,117' to total depth (3156') using air and foam. Drill out to a total depth of ~~3156'~~ 3156'. Stabilize hole as quickly as possible to allow running liner (after reaching TD, trip out to casing shoe and wait for 4-6 hours and check to determine amount of fill and how difficult it is to clean up.

5. Run a blank 5.500" flush joint liner (Hydril 511) from TD back to approx. 2,750'. Install a tricone bit on bottom with a float immediately above bit and a Baker Model SLR-P Liner Hanger Packer. Strip in hole and drill to bottom with power swivel if necessary. Hang liner, lay down drill pipe

6. RU HES, run GR-CCL to identify correct coal seam depths; TIH and perforate liner as follows:

COAL ZONES		PERFORATIONS		
Ignacio	2,980 to 3,013'	2,980 to 3,013'	4 jspf	132 holes
Cottonwood	3,057 to 3,073'	3,057 to 3,073'	4 jspf	64 holes
Cahn	3,117 to 3,144'	3,117 to 3,144'	4 jspf	108 holes
		Total		304 holes

7. Pick up and run 2 3/8"TBG as follows: 1) 10' 2 3/8" tbg sub
2) 10' 2 3/8" tbg sub, w/ 5/8" hole in middle
3) 2 3/8" std. SN (1.780" ID)with retrievable plug in place
4) remainder 2 3/8" TBG (All TBG: 4.7# J55)

Land bottom of TBG at approximately 3157'(approx. 5' above liner PB). Pull retrievable plug. RDMODU.

8. MIRUSU. PU and RIH w/3/4" rods and 1 1/4" SJ pump. Pressure test pump. RDMOSU. **Turn well over to production. Note: bring well on slowly.**

Dependent on speed of hole stabilization, I estimate this procedure to require approximately 3-4 days and to cost approximately \$68,500 (see attached AFE form). A separate AFE for a 320 pump jack (Cost=\$45M) is included. Total project cost=\$113.5M.

If problems are encountered, please contact:

Mike Kutas

(W) (303) 830-5159

(H) (303)840-3700

(P) (303)553-6334

SJOET Well Work Procedure

Dawson GC 1

Version: #1
Date: March 13, 1997
Budget: Expense/Well Investment
Repair Type: C/O, run liner, rod-up

Objectives:

1. TOOH with existing 2 3/8" tubing and visually inspect for corrosion.
 2. C/O fill, deepen, run and perf liner
 3. Re-run 2 3/8" tubing, rod-up well, and place well back on production.
-

Pertinent Information:

Location:	1210' FSL x 660' FWL; Sec 31-T31N, R08W	Horizon:	FT
County:	San Juan	API #:	30-045-27336
State:	New Mexico	Engr:	Mike Kutas
Lease:	BLM; NM-013685	Phone:	H-(303)
Well Flac:	703037		W-(303)830-5159

Economic Information:

APC WI:	33.3%	Prod. Before Repair:	130 MCFD
Estimated Cost:	\$68,500	Anticipated Prod.:	2000MCFD
Payout (Total proj.):	2 Month	Prod. Before Repair	
Max Cost -12 Mo. P.O.	\$ > 900M	Anticipated Prod.:	
PJ Cost:	\$45M		
Total Cost:	\$113.5M		

Note: Economics will be run on all projects that have a payout exceeding ONE year.

Formation Tops: (Estimated formation tops)

Nacimiento:		MesaVerde:	
Ojo Alamo:		Point Lookout:	
Kirtland Shale:		Mancos Shale:	
Fruitland:	2895-3144'	Gallup:	
Pictured Cliffs:	3165' (Howell D 3B, Florance 1-37)	Graneros:	
Lewis Shale:		Dakota:	
Cliff House		TD:	3156'

Bradenhead Test Information:

Test Date: 5/96 **Tubing:** 332 psi **Casing:** 335 psi **BH:** 0 psi

Time	BH	CSG	INT	CSG
5 min				
10 min				
15 min				

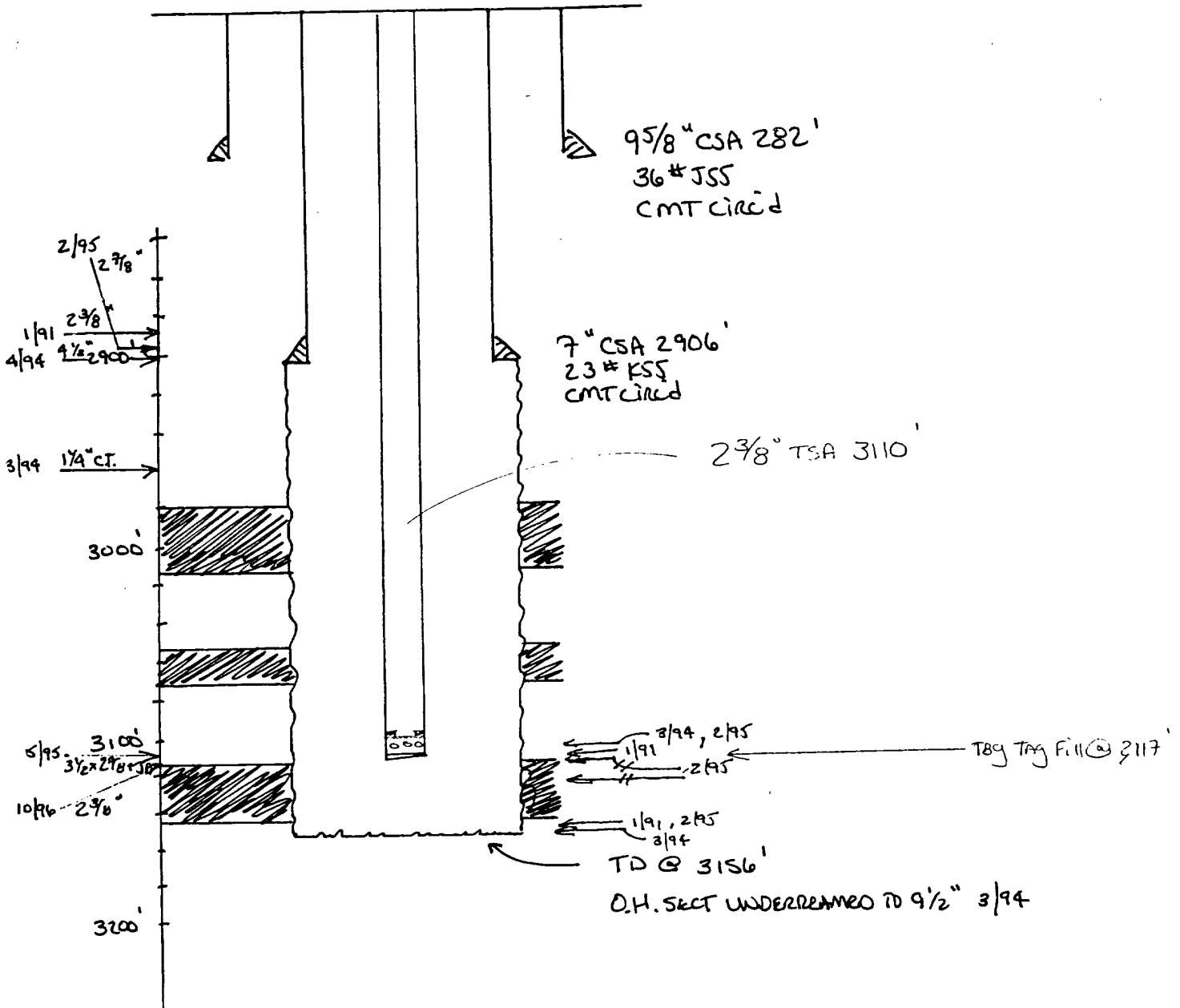
Comments:

Amoco Production Company

ENGINEERING CHART

Sheet No _____ Of _____
 File _____
 Appn _____
 Date 3-12-97
 By GMC

SUBJECT DAWSON GC #1



Amoco Production Company

ENGINEERING CHART

Sheet No 1 of

File

Appn

Date 3/10/97

By G.M.K.

SUBJECT

DANSON GC #1

SPUD: 11/10/90

9 5/8" CSA 282', 36# K55, CMT CIRC'D
7" CSA 2906', 23# K55, CMT CIRC'D

Top Fruit = 2895'

12/27/90 - MZAMSH

- D.O. TO 3156', FLOW TEST, 3/4" ch 2980-3013' 33' 1400 u 1'
- 4 hrs, 1189 → 2146 mcf, 82 → 148 psi, ORW 3057-73' 16' 1450 u 2'
- SI 4 hrs, 940 psi 3117-44' 27' 3200 u 20-30'
- CST #1 x 3, 1200 → 1450 psi, WTR: Fines Returns, TAG Fill @ 3130, c/o 26' 12'
- FLOW TEST 3 HRS, 2846-3480 mcf, 148 → 240 psi, 0-13 BWPD @ 3134'
- TAG 7' Fill, c/o, R:R, CST #2 x 6, 1400-1500 psi, FINE COAL, LITTLE WATER, TAG: 4/6 Fill
- FLOW TEST: 3 hrs, 3/4" ch, 210-308 psi, 3045-4466 mcf, TRACE WATER; TAG: 4/6 12' Fill
- CST #3 x 6, 1360-1400 psi, small coal, coal dust, dry Returns
- TAG: c/o 40' Fill, FLOW TEST: 4 hrs, 3/4" ch, 2973 → 5800 mcf, 205 → 400 psi, 119 BWPD
- TAG 0' Fill, CST #4 x 7, 1250 → 1400 psi, DRY Returns, COAL DUST
- TAG: c/o 3' Fill, FLOW TEST: 4 hrs, 3/4" ch, 3045 → 5365 mcf, DUST + LITTLE WATER, 210 → 370 psi
- 0' Fill; Run: LAND 2 7/8" TAG, ISA 2890.59' KB; mule shoe: FNIPPLE ON BIT

- REL 1/2/91	<u>DAY #</u>	<u>TP</u>	<u>CP</u>	<u>MCFD</u>	<u>BWPD</u>
- FLOW TEST:	1	1240-640	1280-910	5923 → 3645	0-69
	2	640-540	900	3645 → 2733	375
	3	540	900-860	2733 → 2047	555
	4	540	860	2047 → 2274	845
	5	540-560	860	2274-2588	395

3/19/94

- MZAMSH
- LD 2 7/8" TAG, SET CCBP @ 2806', TEST BOE EQUIP
- PD CCBP, TAG Fill @ 3114'-42', R:R - MED COAL Returns, c/o
- R:R @ 3156'; FLOW TEST 3/4" ch, 345 psi, 5002 mcf, TAG 2' Fill, c/o, P.U. UNDERREAMER
- UR WELL FROM 2925-3112' TO 9.5"
- FINISH UR WELL TO 3155' - NO PROBLEMS; CST #1 x 6, 450 psi - LITTLE COAL, HEAVY WATER
- TAG 0' Fill, R:R
- R:R, RECORD LG AMTS COAL FINES; FLOW TEST, 3/4" ch, 2 HRS, 80-375 psi, 4930 → 5437 mcf
- CST #2 x 5, 440 psi, LITTLE COAL, HEAVY AMTS WTR; TAG: c/o 7' Fill
- FLOW TEST: 3/4" ch, 100 → 375 psi, 4930 → 5438 psi; CST #3 x 6, 440 psi, NO COAL, HEAVY WTR
- TAG: c/o 7' Fill
- FLOW TEST: 3/4" ch, 100 → 370 psi, 4930 → 5365 psi; HEAVY AMTS OF COAL & WTR
- CST #4 x 10, 440 psi, TAG c/o 40' Fill; FLOW TEST: 3/4" ch, 130 → 370 psi, 2 HRS, 5075 → 5365 m
- CST #5 x 13, 440 psi, HEAVY COAL TO SURF, TAG: c/o 37' Fill

Amoco Production Company

ENGINEERING CHART

Sheet No 2 of
 File
 Appn
 Date
 By

SUBJECT DAWSON GC #1

- R:R, Flow TEST: $\frac{3}{4}$ " ch, 130 $\rightarrow$ 370 psi, 5075-5375 mcf/d, Dry, CST #6 x 5
 440-500 psi; Lt - med coal, TAG @ 3118, c/o TO TO (58'); Flow TEST: $\frac{3}{4}$ " ch
 80 $\rightarrow$ 375 psi, 1300 mcf/d - 5438 mcf/d, Dry;
- CST #7 x 6, WTR: HVY COAL, c/o 45' Fill + Bridges in 7" csq, R:R
- R:R, HEAVY WTR: COAL RTNS; Flow TEST: $\frac{3}{4}$ " ch, 100-360 psi 1545 $\rightarrow$ 5220 mcf/d, WET
- TAG: c/o 35' Fill, Flow TEST 360*, TAG: c/o 25' Fill
- TAG: c/o 6' Fill, LD DP: DCs; PU: RUN $4\frac{1}{2}$ " TAG TSA 2901 (10.5* JSS)
 MULE SHOON BTM, FNIPPLE @ 1 ft OF BTM - Pull Plug
- RREL 4/5/94

2/12/95

- MINUS
- POIT x LD $4\frac{1}{2}$ " TAG; TAG: c/o 82' Fill - Hole sticky @ 3072-3156'
- C/o FROM 3112-3156 - 44' - HEAVY COAL RTNS - Hole tight; Flow TEST: $\frac{3}{4}$ " ch
 75 min, 40 $\rightarrow$ 150 psi, 1.3 $\rightarrow$ 2.17 mcf/d WET RTNS; SI $1\frac{1}{2}$ hrs, 385 psi
 CST #1 x 2, 370-380 psi, HEAVY COAL; MIST
- CST #1 CONT x 11, 380 psi, Lt COAL: MIST, TAG Bridge @ 3117, c/o 29' Fill
 REC HEAVY COAL
- c/o, R:R 3125-3156 - HEAVY COAL: WTR RTNS; Flow TEST $\frac{3}{4}$ " ch, 80-220 psi
 1.96 $\rightarrow$ 3.2 mcf/d, MIST; CST #2 x 2 - HEAVY COAL: WTR, 365 psi
- CST #2 CONT x 11, 380 psi, HEAVY COAL: 2" stream wtr
- CST #3 x 8, HEAVY COAL: WTR, Flow TEST: $\frac{3}{4}$ " ch, 50-260 psi, 2.76-3.77 mcf/d, MIST
- CST #4 x 13, 360-380 psi, Lt COAL + 1" stream wtr
- Flow TEST, $\frac{3}{4}$ " ch, 50-265 psi, 2.46-3.84 mcf/d, COAL + MIST; CST #5 x 4
 360-380 psi, TAG: c/o 42' Fill - HEAVY COAL RTNS
- R:R on BTM; Flow TEST: 105 min, 50-275 psi, 3.12-3.98 mcf/d, COAL/MIST
- CST #6 x ?, 355 psi, med-FINE COAL + 1.5" stream wtr
- Flow TEST: $\frac{3}{4}$ " ch, 75 min 4.06 mcf/d; CST #7 x 11, 280-360 psi, Lt - med coal
 WTR
- Flow TEST: $\frac{3}{4}$ " ch, 4.06 mcf/d; TAG: c/o 44' Fill, mist: lg AMTS COAL; TAG: c/o
 44' COAL, R:R, TAG: c/o 48' COAL lg AMTS COAL
- TAG: c/o 26' Fill, Flow, TAG: c/o 15' Fill
- TAG: c/o 20', Lt COAL: sh
- Flow well, TAG: c/o 12' Fill, Flow, TAG: c/o 6' Bridge @ 3125'
- RUN $2\frac{7}{8}$ " TAG; TSA 2895' 6.5* JSS
- RREL 2/28/95

Run in 11M 9 $1\frac{1}{4}$ " coil TAG @ 2960'

Amoco Production Company

ENGINEERING CHART

Sheet No

01

File

Appn

Date

By

SUBJECT

5/2/95 - MIMUSU, Pull: LD 2 7/8" TBG; Run 3/2" TBG, Jet Pump Assembly, PCL
x 2 7/8" x-O string AS follows: 91 JTS 3/2" 9.3# J55 TBG
- RD; MOSU 5/8/95

3/2" CPLG	2877.56' LB
JET Pump	2878.16
3/2" x 2 7/8" x-O	2885.38
PLS PCL	2885.70
7 JTS 2 7/8, 6.5# J55 TBG	2889.91
male shoe	3109.53
BTM TBG	<u>3110.13</u>

10/17/95 - RU WL x Pull Jet Pump
- RD WL 10/17/95

12/8/95 - 2/12/96 - WTR HAUL: 4380 BW!

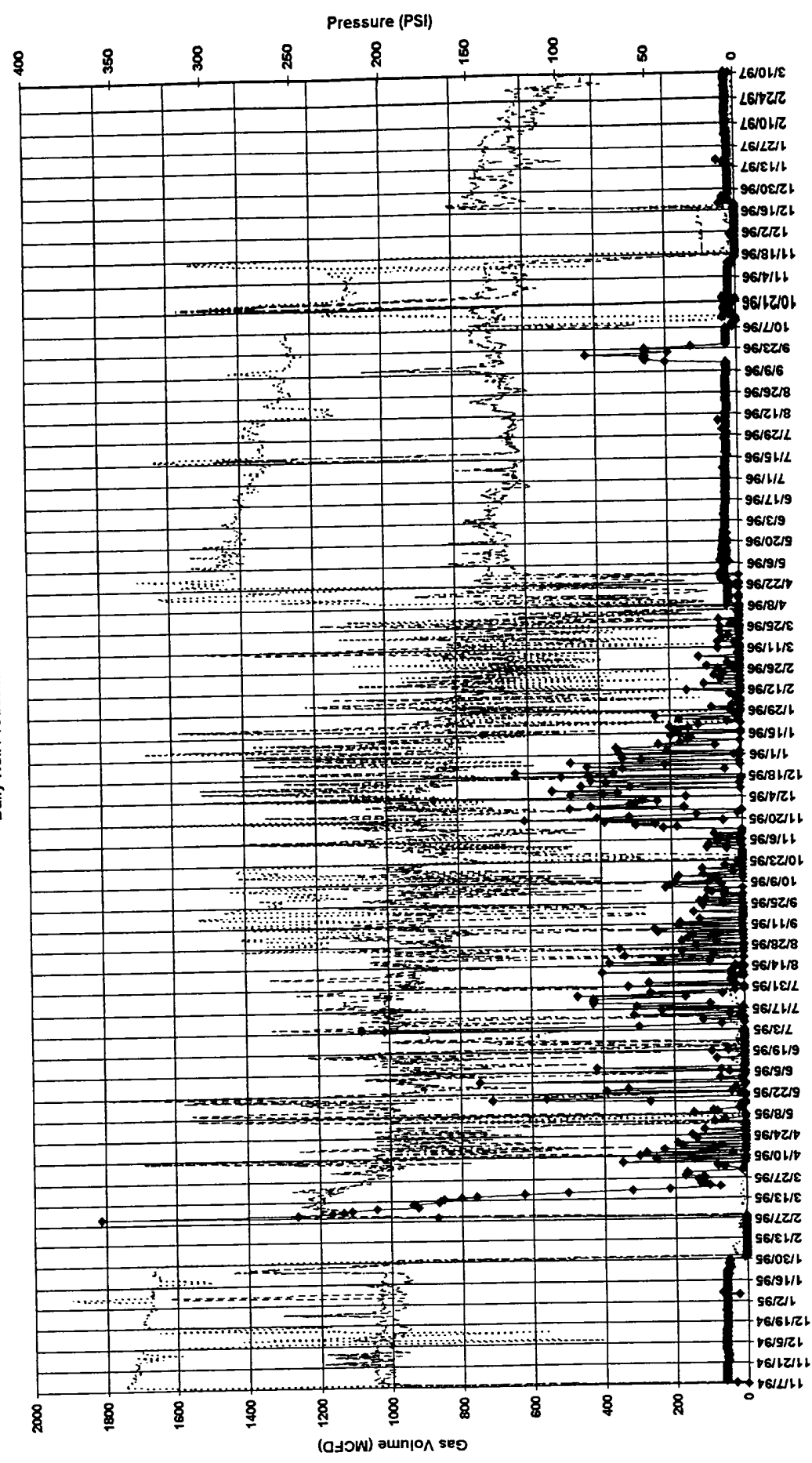
11/8/96 - MIMUSU
- Release PCL x Pull x LD 3 1/2" TBG x PCL x Jet Pump; PU x TTH x
2 3/8" TBG, TAG Fill @ 3117', TBG SA 3092' w/ 10' PCL SUB
x BLIND male shoe on BTM, 1'-1.875 x Nipple, REM. OF TBG

Amoco - OI DB/Synergy Data

Flacwell: 70303701

Wellname: DAWSON GC 001-FT

Daily Well Production

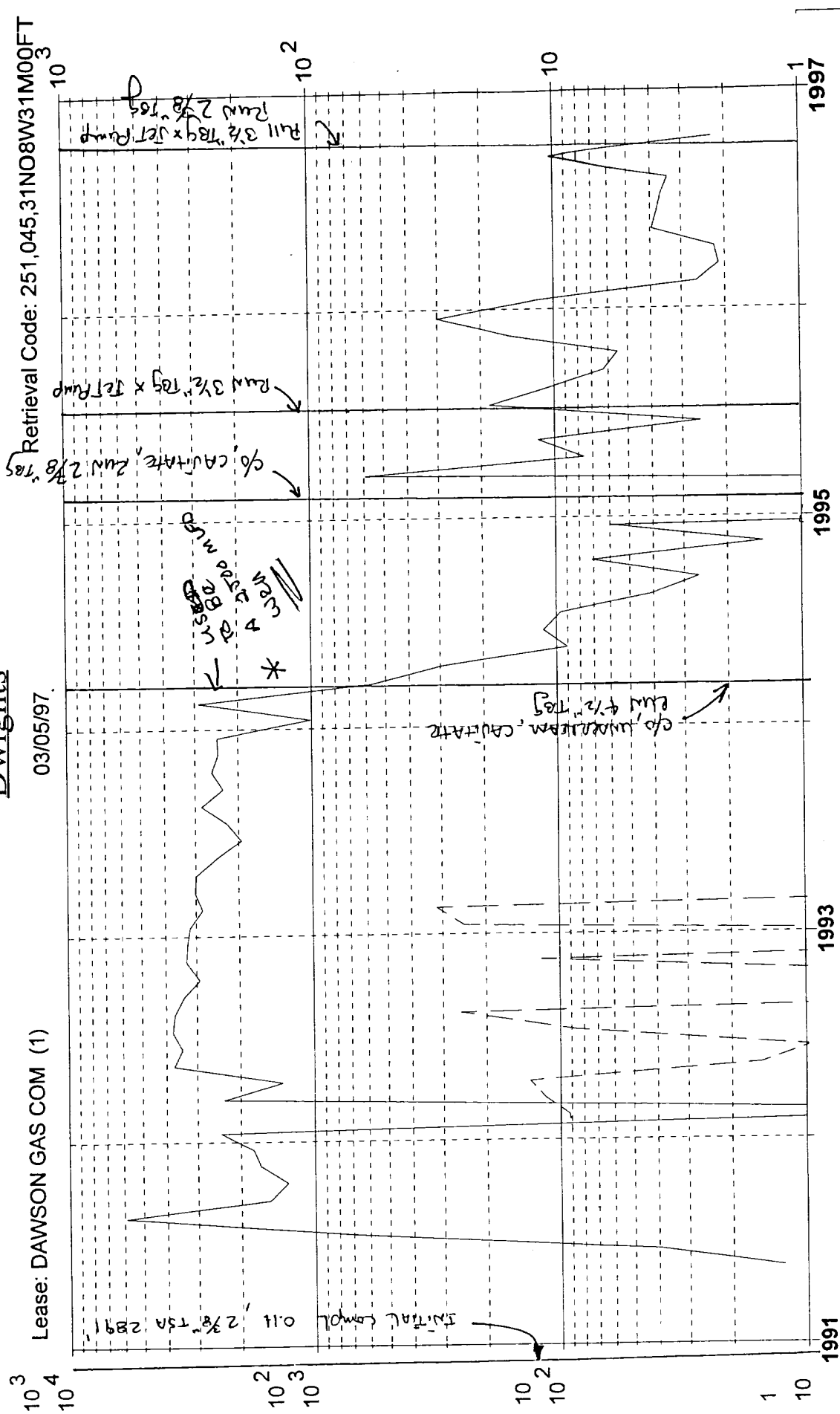


Dwights

Lease: DAWSON GAS COM (1)

03/05/97

Retrieval Code: 251,045,31NO8W31M00FT



Water (bbl/day)

F.P. Date: 05/91

County: SAN JUAN, NM

Oil Cum: 0 bbl

Field: BASIN (FRUITLAND COAL) FT

Gas Cum: 2583 mmcf

Reservoir: FRUITLAND COAL

Location: 31M 31N 8W

Operator: AMOCO PRODUCTION CO

Gas (mcf/day)

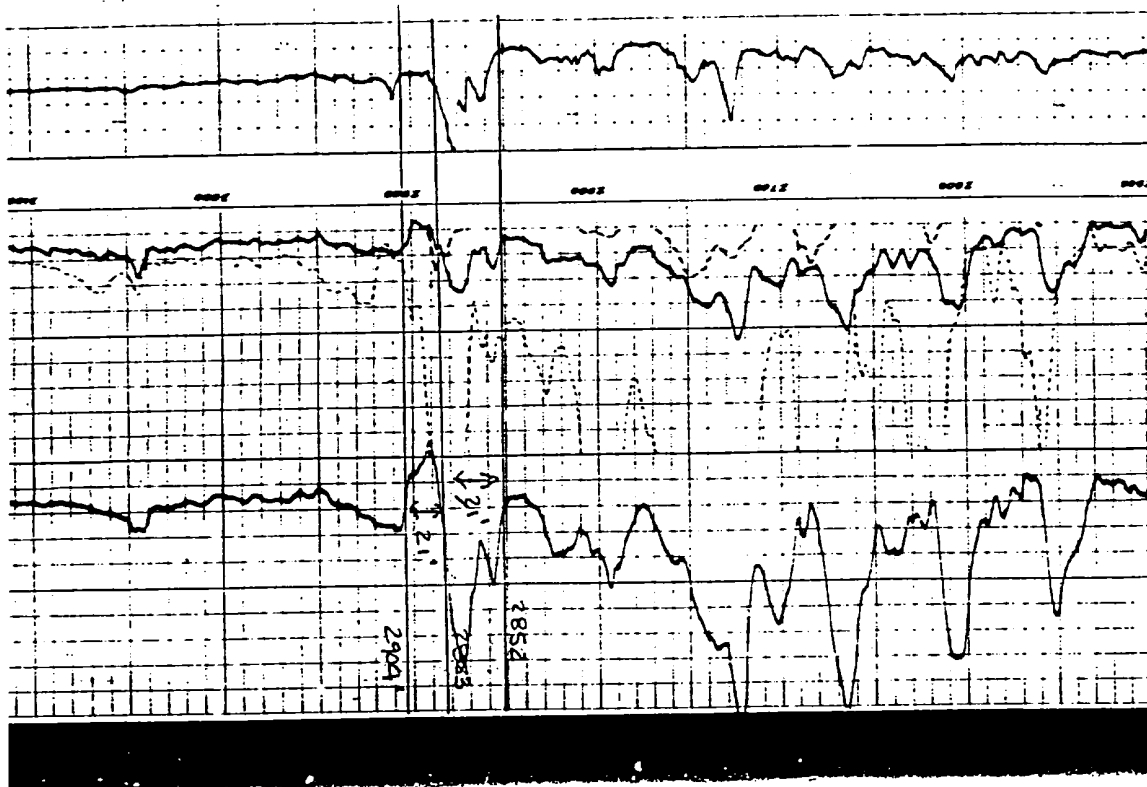
Oil (bbl/day)

4 borehole 1-37
300-80-6; SE/NE

SPONTANEOUS POTENTIAL millivolts		DEPTH feet		RESISTIVITY -ohms, m ² /m		RESISTIVITY -ohms, m ² /m	
10		100		100		100	

COMPANY SCHELBURG WELL SERVING CORPORATION		FIELD 1-37		LOCATION 300-80-6; SE/NE	
STATE 		COUNTY 		LOCATION 	
ELEVATION 		LOCATION OF WELL 		LOCATION OF WELL 	

RUN NO. 		DATE 	
DEPTH 		RESISTIVITY 	
SPONTANEOUS POTENTIAL 		RESISTIVITY 	



Howell 038

FARMINGTON COPY

BIT SIZE: 8.75 CASING: 9.625 CASING-LOGGERS: 225 CASING-DRILLER: 225 TOP LOG INTERVAL: 225.0 1ST LOG INTERVAL: 3575.0 DEPTH-LOGGERS: 3584.0 DEPTH-DRILLER: 3588.0	DATE: 15 JUL 85 RUN NO: 1 PERM. MEASURED FROM: 14.8 LOG MEASURED FROM: 14.8 ELEV. OF PERM. DATUM: 6303.0 PERMANENT DATUM: 6317.0 GROUND LEVEL ELEVATIONS: 6316.0 DRLG. MEASURED FROM: 6303.0 ABOVE PERM. DATUM: 6316.0 DRLG. MEASURED FROM: 6317.0 ABOVE PERM. DATUM: 6316.0
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LOCATION: 1830 FNL 878 FEL
 STATE: NEW MEXICO
 COUNTY: SAN JUAN
 FIELD: BASIN DAKOTA
 WELLS: HOWELL "D" 311-1
 COMPANY: EL PASO NATURAL GAS

RECEIVED
 AUG 20 1985
 DIL
 LDI CML
 OTHER SERVICES-
 PROGRAM
 TAPE NO: 26.2
 SERVICE
 ORDER NO: 379874

