

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

5. Lease Designation and Serial No.

SF-078387A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Kernaghan B

#8

9. Well No.

3004527351

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal

11. County or Parish, State

SAN JUAN

NEW MEXICO

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)

1140' FSL

1700' FWL

Sec. 33 T 31N R 8W

RECEIVED
OCT 16 1998
OIL CON. DIV.
DIST. 3

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 C/O Perf Liner

- ☐ 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 request permission to clean out, run and perf liner on this well per the attached procedures.

If you have any technical quetions contact Mike Kutas at (303) 830-5159.

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

Signed

Pat Archuleta

Title

Staff Assistant

Date

10-08-1998

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Chip Hamada

Title

drilling Team Lead

Date

10/14/98

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

AMOCO

Kernaghan B 8
Orig. Comp. 8/89
TD = PBD = 3235'
Page 2 of 3

Current wellbore info: 7" CSA 3052', OH at 3052-3235', 2 7/8" TSA 3216', Fill at approx. 3200'
Current flow info: 0 MCFD, FTP=33 psi, FCP=37 psi, LP=34 psi; Well dead...can't build pressure

General observations:

1. Well is experiencing loading/fill problems
2. Attempts to beam lift well recently failed due to coal production
3. Well currently dead...will not build pressure

Short term plans:

1. C/O and underream coals
2. Run and perf liner (if needed)
3. Place on artificial lift; back on production

1. MIRURT
2. ND tree, rig up BOP's w/cavitation capability, complete with venturies on blooie lines. Test BOE. Set plug in 2.25" F-nipple in 2 7/8" TBG. TOH w/ tubing
3. Pick up 4.750" drill collars and 3.500" drill pipe with 6.250" bit, clean out fill from to total depth (3235') using air and foam.
4. TOH, LD bit, pick up 6"x12"x24" Harvest tool company "cavern tool" underreamer; Underream each coal seam to 24" (see table below for coal depths). C/O and stabilize hole as quickly as possible (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. PU and run a blank 5.500" flush joint liner (Hydril 511) from TD back to approx. 3,000'. 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:

<u>COAL ZONES</u>		<u>PERFORATIONS</u>		
Ignacio	3,070 to 3,092'	3,070 to 3,092'	4 jspf	88 holes
Cottonwood	3,143 to 3,160'	3,355 to 3,374'	4 jspf	68 holes
Cahn	3,200 to 3,224'	3,200 to 3,224'	4 jspf	96 holes
		Total		252 holes

5. Pick up and run 2 7/8" TBG as follows:
 - 1) 2x10' 2 7/8" TBG subs (total 20')
 - 2) 2 7/8" std. SN (2.280" ID) with lock collar and plug in place
 - 4) remainder 2 7/8" TBG (All TBG: 6.4# J55 EUE FBN)

Land bottom of TBG at approximately 3210-15'. Pull retrievable plug. RDMODU.

6. MIRUSU; PU and run rods and pump; pressure test pump; RDMOSU. **Turn well over to production. Note: bring well on slowly, well may need swabbing in order to RTP.**

Dependent on speed of hole stabilization, I estimate this procedure to require approximately 5-6 days and to cost approximately \$130,000 (see attached AFE form).

If problems are encountered, please contact:

Mike Kutas

(W) (303) 830-5159
(H) (303) 840-3700
(P) (303) 553-6334

Kernaghan B 8
Orig. Comp. 8/89
TD = PBTD = 3235'
Page 3 of 3

Cost Estimate:	Rig	\$ 45,000
	Pits	\$ 5,000
	W.L.	\$ 3,500
	Haul/Trk	\$ 2,500
	Bits	\$ 2,000
	UR	\$ 8,000
	Air	\$ 12,000
	Labor	\$ 2,500
	Liner	\$ 5,000
	Hanger	\$ 8,500
	Rentals	\$ 7,000
	Perfs	\$ 7,500
	Misc	\$ 21,500
	Total	\$130,000

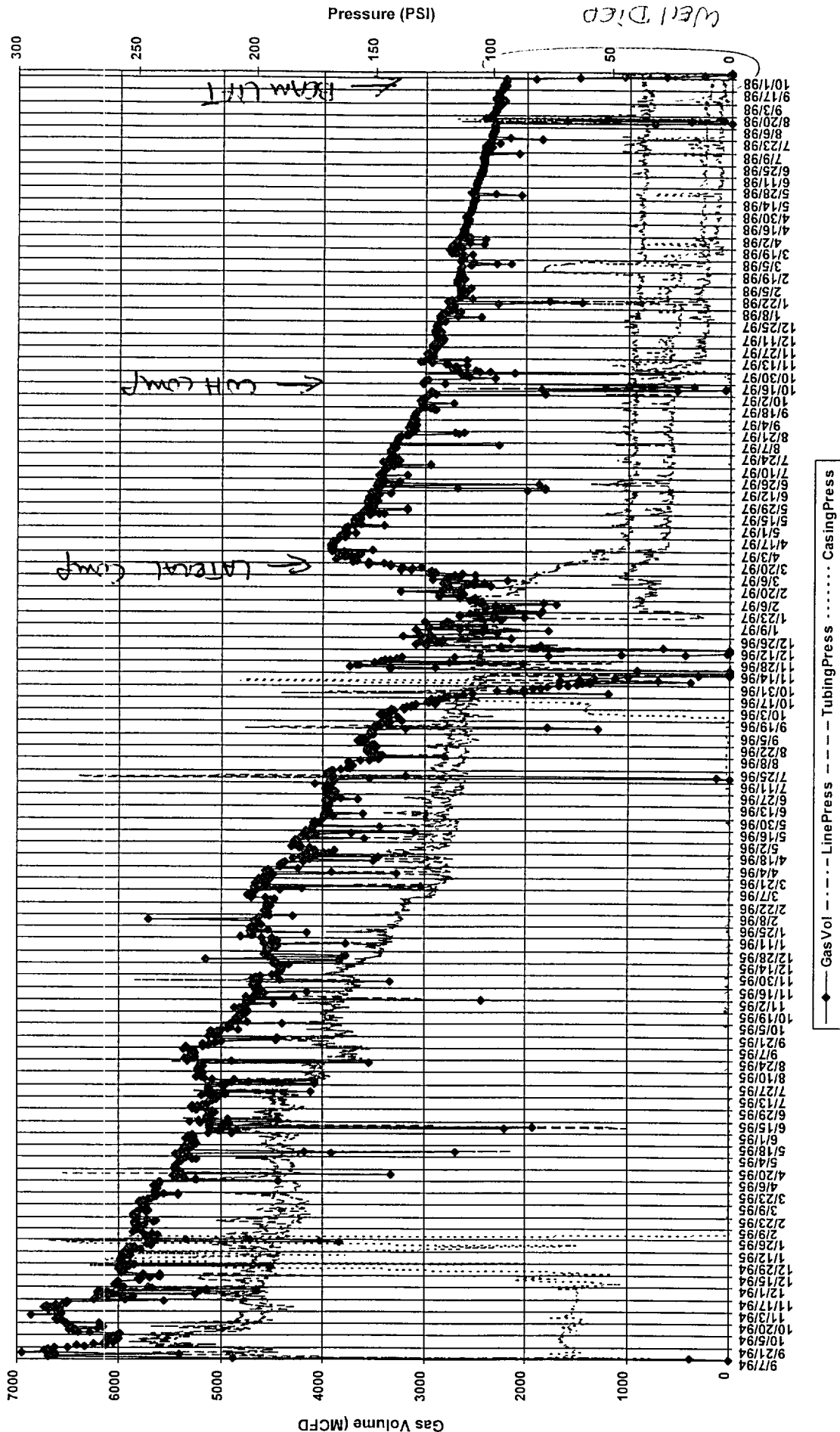
Wellname: KERNAGHAN B 008 #A-FT

Flacwell: 70304101

API: 300452735100

Amoco - OIDB/Synergy Data

Daily Well Production



Amoco Production Company

ENGINEERING CHART

Sheet No _____ Of _____

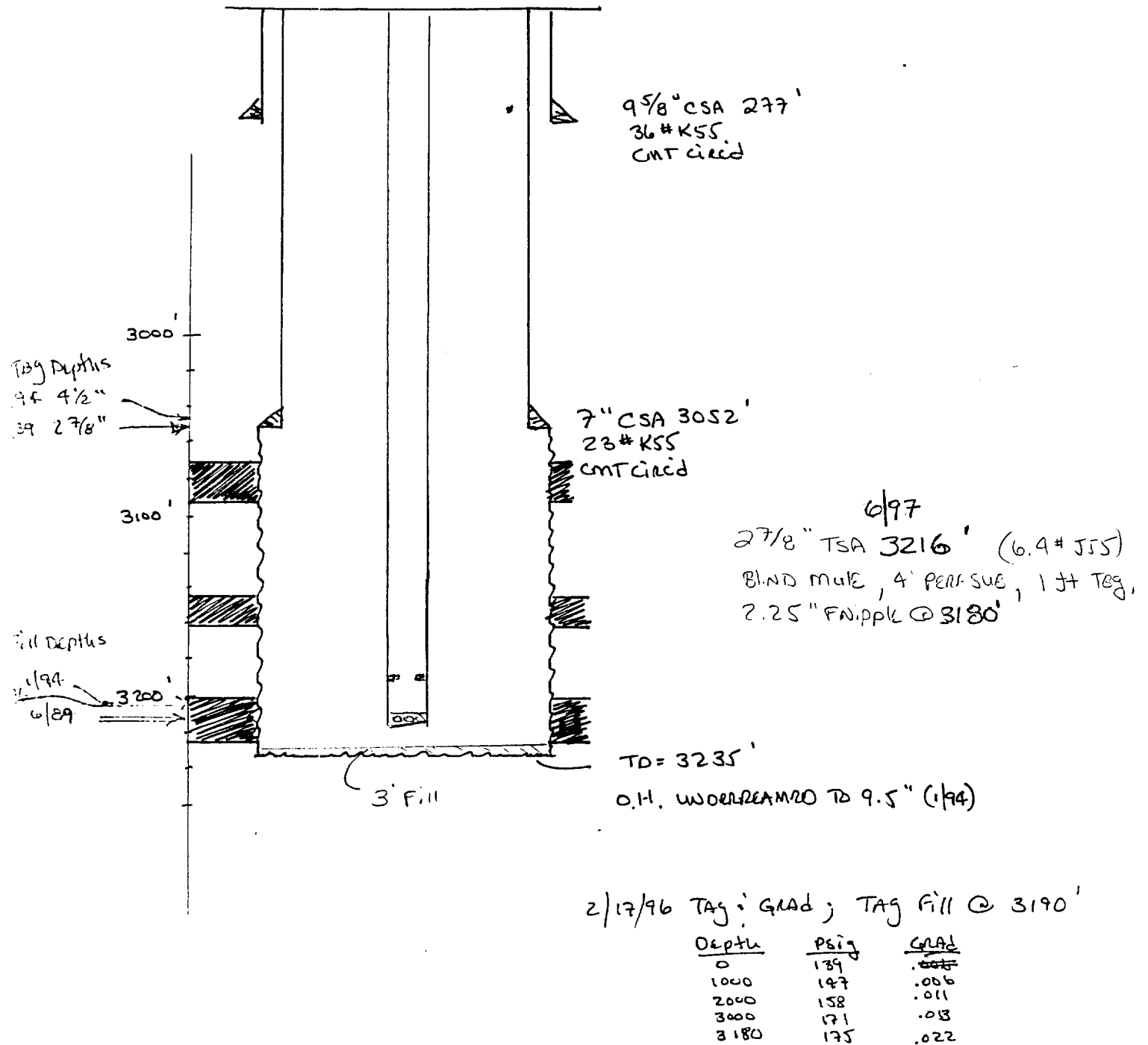
File _____

Appn _____

Date 2-18-97

By GMR

SUBJECT KERNAGHAN B 8



Amoco Production Company

ENGINEERING CHART

SUBJECT

KELWAGITAN B 8

Sheet no. 1 of 1
 File _____
 Appn _____
 Date _____
 By _____

9 5/8" CSA 277' 36# K55 CMT CIRC'D
 7" CSA 3052' 23# K55 CMT CIRC'D

SPUD : 6/2/89
 REL : 6/5/89

6/22/89 MIRASU, TH

- DRL OUT TO CW @ 3160'
- DRL OUT TO 3235', Log Off w/GR
- Flow well, 10-12' FLARE + WATER SLUGS
- Tag Fill @ 3211', SIWELL 4 HRS SIP = 820 psi; Flow 28 Psi, 3/4" ch, 203 mcf, 1308'
- C/O 2A' Fill, CST #1 x 4, 1300 psi, Tag x C/O Fill @ 3230'-5'
- Flow TEST, 5 HRS, 85-119 psi, 3/4" ch, 1232 → 1726 mcf, 130-157 BWPO
- SI, 4.75 HRS, PRS = 1160 psi; CST #2 x 4, CIRC, CST #4 more times
- Tag Fill @ 3217', C/O 18'; Flow TEST, 5 HRS, 3/4" ch, 180-210 psi, 2610-3045 mcf, 0-17
- CST #3, 1300 psi, C/O 21', Flow TEST, " " , 150-280 psi, 2175-4040 mcf, 0-m
- CST #4, 1300 psi, C/O 20', Flow TEST, 5.5" " , 150-295 psi, 2175-4278 mcf, 0-m
- C/O 8' Fill, Prep TO SNUB DRILL PIPE
- SNUB IN HOLE WITH LINER, 5 JTS (172') 5.5", 23# P-110, 8 HPF + 3 JTS (121') NON-PA
- + TIH JGS RHR HANGER PICK; TAG @ 3224' ^{could not circ} PU TO 3222', SET HANGER @ 2925'
- TIH w/ 2 7/8" TAG x Mill
- Mill OUT Part Plugs from 3057' to 3229' (?) TIP Plug - 50' FLARE, STEAD 2-3" WATER
- Strip IN HOLE w/ 2 7/8" TAG, (6.4# J55), EXP. CHECK, 1 JT, Model FSN-2.25" ID
- FCP = 400 psi, 3/4" ch w/WATER MIST TSA 3055'
- Pump OUT Plug w/WTR, REL 8/3/89 SITP/CP = 1200/1200 psi

1/6/94

- MIRASU
- SET Plug IN SN, Pull TAG, Pu 6 7/4" mill, BIT SUB, DC's, 3.5" DP
- Mill OUT HANGER, Attempt to Fish - No Recovery
- REC All OF LINER, SET CIBP, TEST 60PS, STACK, ETC
- Drill OUT CIBP, TIH TO 3220', UNLOADING WATER; SMALL ARMS COAL
- CST #1 x 4, 520 psi - WTR; COAL RTN
- Flow TEST, 3/4" ch, 22' psi, 3.2 mcf, TAG Fill @ 3205', C/O TO 3235'
- UNDER PLAM HOLE TO 9.5" FROM 3657' to 3235' ft., UR. ARMS STUCK
- POH - LEFT 1/2 ARM OF U.R. IN HOLE, C/O 3143-3236' - NO BRIDGES - 3' Fill
- CST #2 x 6, 440 psi HEAVY COAL; WTR RETURNS
- Flow TEST, 3/4" ch, 300 psi, 4.4 mcf; CST #3 x 5 450 psi, HEAVY COAL
- TAG Fill @ 3219', C/O TO 3235', CST #4 x 4, 520 psi, HEAVY COAL; WTR RETURNS
- Flow TEST; 3/4" ch, 320 psi, 4.6 mcf, C/O 1' Fill, Flow TEST: 5/4" ch, 312 psi, 4.52
- CST #5 x 3 - 505 psi 1+ COAL; WTR RETURNS

Amoco Production Company

Sheet No C Or
 File
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 Date
 By

ENGINEERING CHART

SUBJECT

KERNAGHAN B 8

- CST #6 x 5, 490 psi, VERY LITTLE COAL TO SURF, FLOW TEST, 3/4" ch, 4640 MCFD
- CST #7 x 9, 490 psi, TAG 15' Fill @ 3220', c/o
- FLOW TEST; 3/4" ch 370 psi, 5075 MCFD; c/o 6' Fill @ 3229'
- CST #8 x 3, 490 psi REC GAS, WTR, SMALL AMT COAL FINES
- CST #9 x 9, 490 psi, " " "
- Flow TEST, 3/4" ch, 371 psi, 5439 MCFD; c/o 4' Fill @ 3231'
- CST #10 x 12
- FLOW TEST 5039 MCFD, TAG Fill @ 3231', c/o
- RUN 4 1/2" TAG, TSA 3047' mule shoe on BTM, 2.75" PROF NIP @ 3000'
- REL 1/26/94
- 11/11/96 - MIRUSU
- Pull x LD 4 1/2" TAG, SET CIBP TO NEW TAG HEAD
- D.O. CIBP, TAG Fill @ 3206'
- c/o TO 3235' - HEAVY COAL RTNS
- FLOW TEST, 1 HR, 150-230 psi, 2465 - _____ MCFD
- TAG 5' Fill, c/o FROM 3221 - 3235'
- CST #1 x 4, ^{490 170 TP} 230 psi REC GAS, BLACK WTR, FINE COAL
- TAG 2' Fill, c/o TO 3235'
- FLOW TEST 2.5 HRS, 3/4" ch, 170 psi, 2465 MCFD
- CST #2 x (?), 230 psi, REC WTR, FINE COAL, ONLY GAS ON LAST TWO SURGES
- TAG 3' Fill, c/o TO 3235'
- FLOW TEST 2 HRS, 90-160 psi, 3/4" ch
- TAG 3' Fill, TO H
- RUN 2 7/8" TAG, TSA 3203', mule shoe on BTM, 4' PROF SUB, 1 1/4" TAG
- 2.25" F NIPPLE (@ 3146')
- REL 11/17/96
- Pull BLANK Plug