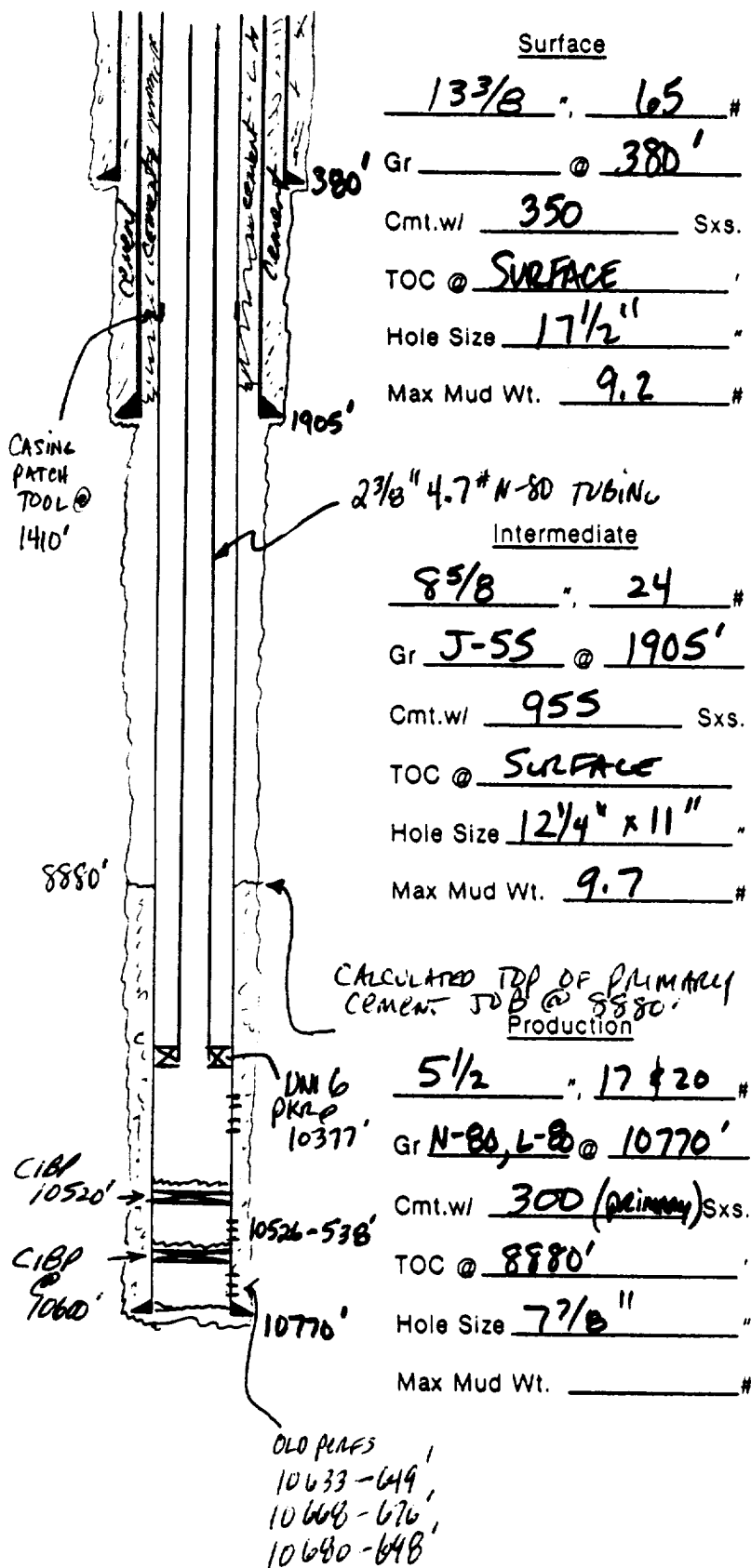


MAR 01 1993

O. C. D.
APPROVED

WELL: CATCLAW DRAW UNIT # 4

LOCATION: 1650' FNL x 1650' FEL

Sec. 24-T21S-R25E, EDDY Co, N.M.

SPUD DATE: 6/21/72

COMPL. DATE: 8/14/72

T.D.: 10770' PBTD: 10515'

FIELD: CATCLAW DRAW (MORROW)

ZONES: MORROW "B" SANDS

PERFS: 10454-474', 10486-494' &

10498-508', ALL 4 SPF

ELEVATIONS: 3387' KB, 3375' GL

STIMULATION:

BOWEN 6 13/16" CASING PATCH,
PACKER TYPE AT 1410'. RUN
ON 1/30/93, NEW 17# L-80
CASING FROM 0-1410', N-80
CASING BELOW.

2/5/93: CEMENTED TOP OF 8 5/8" X
5 1/2" ANNULUS WITH 100 SXS OF
THIXAD CMT PLUS 200 SXS CLASS
"C" TO PROTECT 5 1/2" CS6 AND
KEEP IN PLACE (FROM FALLING
OUT OF SLIPS AGAIN).

2/4/93: SET 5 1/2" CIBP AT 10520'
CAP WITH 5' OF CEMENT AS

ONLY
RATHOLE ROOM WAS REQUIRED
NEW PBTD = 10515'

2/7/93: TUBING CONVEYED PERFORATED MORROW "B" ZONES AT

10454 - 10474'	} ALL AT 4 SPF, 34 GRAM CHARGES PERFORATED 2767 PSI UNDERBALANCED
10486 - 10494'	
10498 - 10508'	

NOTE: GUNS STILL IN HOLE BELOW PACKER.

2/23/92 FLOWING AT 2743 MCFD AT 2350# FTP X 1 BW

K/EO 2/24/93



PACKER INSTALLATION PLAN

JEFF PICKETT		HALLWOOD PETROLEUM		FEB. 5, 1993	
CALCAW DRAW #4		EDDY COUNTY		N.M.	
DATE		DRAWN		BY	
31.00		10.377.53		2.5751.995	
4.20		10.333.68		2.5751.995	
2.10		10.302.80		2.5751.995	
31.00		10.337.88		2.5751.995	
1.97		10.368.88		4.5751.81	
6.68		10.370.85		4.6251.838	
31.10		10.377.53		2.5751.995	
.92		10.408.63		3.0631.910	
31.07		10.409.55		2.5751.995	
4.75		10.440.82		3.3751.750	
8.63		10.455.37		4.00-0	
54.00		10.464.00		4.00-0	
.85		10.508.00		4.00-0	
10.508.85					
GENERAL REMARKS					
PACKER SET WITH 12,000# COMPRESSION					
FLUID TYPE: PACKER FLUID.					
1 JOINT 2 3/8" N-80 TUBING					
4' X 2 3/8" N-80 TUBING SUB W/RA					
327 JOINTS 2 3/8" N-80 TUBING					
2' X 2 3/8" N-80 TUBING SUB					
4' X 2 3/8" N-80 SUB					
1.81 F PROFILE IN GUDGEON					
5 1/2" X 2 3/8" XL ON-OFF TOOL WITH					
5 1/2" X 2 3/8" 17-20# UNI W					
1 JOINT 2 3/8" N-80 TUBING					
2 3/8" UPPER PORTED GLASS DISC SUB					
1 JOINT 2 3/8" N-80 TUBING					
4" WPERJET TOP GUNS LOADED TO SHOOT					
4 SPF THE FOLLOWING INTERVAL.					
10,454-474					
10,486-494					
10,498-508					
BULL FLUID					
10,508.85					
10,508.85					
GENERAL REMARKS					
PACKER SET WITH 12,000# COMPRESSION					
FLUID TYPE: PACKER FLUID.					
SERVICE DATE		SERVICE CENTER		PHONE	
FEB. 8, 1993		BIL. PERCE		(505) 382-5583	
ADDRESS		CITY		STATE	
HALLWOOD PETROLEUM		EDDY COUNTY		N.M.	

PORT 10515
10520
C101

349mm
change
45pf
38'
(20')
(8')
(10')