Submit 3 Copies to Appropriate District Office

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-103
Revised 1-1-89

WELL API NO. 30-005-21136

5. Indicate Type of Lease STATE [XX] FEE [ ]

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: STATE 28

1. Type of Well: OIL WELL [XX] GAS WELL [ ] OTHER

2. Name of Operator: APACHE CORPORATION

8. Well No. 01

3. Address of Operator: 2000 POST OAK BLVD., SUITE 100, HOUSTON, TEXAS 77056-4400

9. Pool name or Wildcat: WILDCAT

4. Well Location
Unit Letter P : 330 Feet From The SOUTH Line and 330 Feet From The EAST Line

Section 28 Township 8s Range 32e NMPM CHAVES County

10. Elevation (Show whether DF, RKB, RT, GR, etc.) 4,356' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]	CHANGE PLANS [ ]	COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [ ]
PULL OR ALTER CASING [ ]		CASING TEST AND CEMENT JOB [XX]	8 5/8" CASING & CEMENT
OTHER: [ ]		OTHER: [ ]	

12. Describe Proposed or Completed Operations *(Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work)* SEE RULE 1103.

04-24-95 RUNNING 8 5/8" 32.0 lb,K-55,LT+C CASING TO 3,540',CEMENTED SAME.
CEMENT COMPANY - BJ/WESTERN PLACEMENT PUMPDOWN PLUG METHOD. TOP OF CEMENT TAGGED WITH DRILL PIPE AT 3,470'.
RULE 107 OPTION TWO "B"
SLURRY #1 2,370 cu.ft., 1,000 sks 50/50 POZ BASE C + 10% GEL + 5% SALT + 0.25 lb per SK OF CELLO-SEAL. MIXED TO 11.9 lb/gal. YIELD = 2.37 cu.ft./sk.
COMPRESSION STRENGTH #1 SLURRY 12hr = 340, 24hr = 500, 72hr = 725.
SLURRY #2 283.8 cu.ft., 215 sks CLASS C, MIXED TO 14.8 lb/gal, YIELD = 1.32 cuft/
COMPRESSION STRENGTH #2 SLURRY 12hr = 900, 24hr = 1600, 72hr = 2800.
SLURRY TEMPERATURE = 93 DEGREES, FORMATION TEMPERATURE = 78 DEGREES.
CEMENT IN PLACE AT 03:45 AM ON 04-25-95, DRILLED OUT AT 05:15 AM ON 04-26-95.
CEMENT UNDER PRESSURE FOR 14 HOURS PRIOR TO 30 MINUTE 1,100 psi RIG MUD PUMP TEST.
TESTED CEMENT ON 04-26-95 AT 04:45 AM FOR 30 MINUTES AT 1,100 psi, TEST OK.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Douglas H. Adams TITLE DRILLING ENGINEERING TECH. DATE 04-27-95

TYPE OR PRINT NAME DOUGLAS H. ADAMS (713) 296-6528 TELEPHONE NO.

(This space for State Use)

APPROVED BY ORIGINAL SIGNED BY JERRY SEXTON DISTRICT I SUPERVISOR TITLE DATE MAY 04 1995

CONDITIONS OF APPROVAL, IF ANY:

Apache CORPORATION

CASING AND CEMENTING REPORT

District NEW MEXICO Lease STATE "28" Well No. 1 Date 4-25-95

Datum RKB Last casing: Size 13 3/8, set at 430' This casing: Size 8 5/8", to be set at 3540

Driller's total depth 3540 Electric log to _____ Hole size 11 in., with ___ in. rathole below _____

Casing at well: No. of joints 96 Amount, measured overall 4,000.45' Amount, less threads 3968.77'

LOG OF CASING STRING, EACH ITEM BEING LISTED IN SAME ORDER AS RUN INTO WELL

Pieces	Size — Item — Make — Description	Wt / Ft	Grade	Threads	Cond'n	Made-up Length
1	8 5/8" DAVIS-LYNCH FLOAT SHOE					1.55
1	JOINT 8 5/8" CASING	32#	K-55	LT&C		42.45
1	8 5/8" DAVIS-LYNCH FLOAT COLLAR					1.30
85	JOINTS 8 5/8" CASING	32#	K-55	LT&C		3504.42

Time required to run _____ hrs. Top of casing string 10 ft. above (below) datum. Total 3549.72

Casing left out of string: No. of full joints 10 Amount, measured overall 425.20 Amount, less threads 421.90

Centralizers: No. 8 Make DAVIS-LYNCH BOW Depths placed 3525 - 3452 - 3282 - 3115 - 2950 - 2825 - 2658 - 2500

CEMENTING REPORT — Service Co. used BJ/WESTERN No. of pump trucks 1 Blender? NO

Good circulation established? YES Minutes circulated 45 Was casing bottomed up? YES

Bottom plug used? NO **CEMENT MIXED:** Total Sacks 1215 Total slurry volume (cu. ft.) 2653

(see reverse side) Minutes required: To mix 57 To start top plug 2 To pump plug down 30

Pumped plug to 3494 **PRESSURES:** Late pumping 250 Final 600 . Bled Pressure off to 0

Did back pressure valve hold? YES Pressured to _____ psi and held below _____ psi for _____ hrs

Minimum WOC time 8 hrs.

Were full returns maintained while circulating and cementing? YES

Was pipe reciprocated while circulating and cementing? YES

REMARKS (include volumes, types and sequence of placing various mixes)

CEMENTED W/ 1000 SKS. 50/50 POZ W/10 % GEL. + 5% SALT & 1/4# CELLO-SEAL

MIXED TO 11.9# YIELD 2.37

FOLLOWED BY 215 SKS. "C" NEAT. MIXED TO 14.8# YIELD 1.32

PLUG DOWN @ 3:45 A.M. 4-25-95

CIRCULATED APPROXIMATELY 200 SKS. TO PIT.

CEMENT SLURRY TEMP. 96°

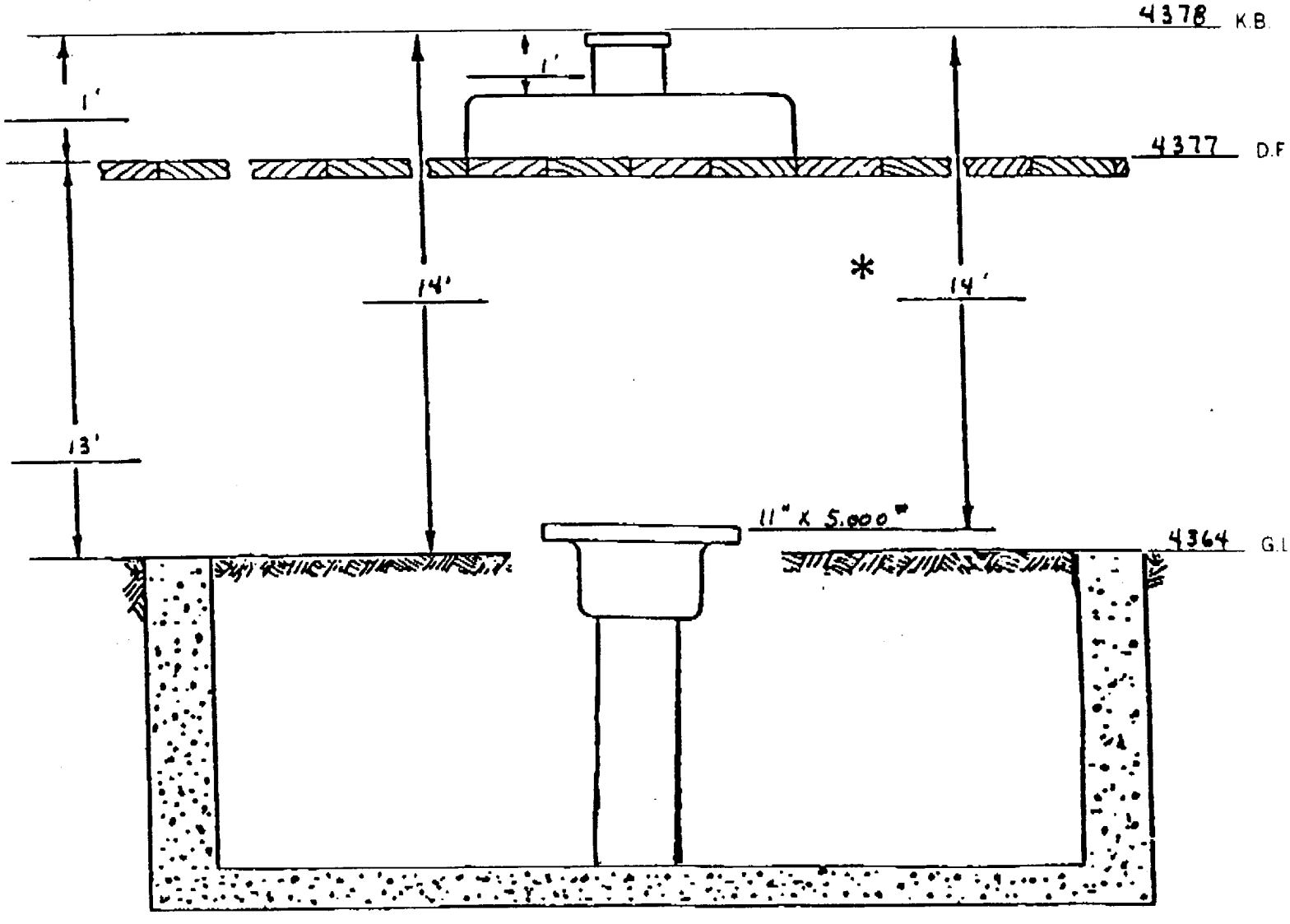
ESTIMATED FORMATION TEMP. 90°

ESTIMATED COMPRESSION STRENGHT. 12 HRS = 1750# 24 HRS. = 2225# 72 HRS. 2563#

TESTED CASING TO 1100# FOR 30 MINS. 4:45 A.M. 4-26-95

Insert all information available as each string is set.

Elevations



*Measure and record KB to BHF after installing head.

Signed Mark R. Hall

THE WESTERN COMPANY

APACHE CORPORATION

STATE #28
SECTION 28, T8S & R32E
CHAVES COUNTY, NM
FUSSELMAN FORMATION

CEMENTING RECOMMENDATION

PREPARED FOR

MR. RICK DAAB

SERVICE POINT

ARTESIA, NM
(505) 746-3140

MARCH 23, 1995

MD030034

PREPARED BY

RANDALL EDGEMAN
TECH. REP.
MIDLAND

SALES REPRESENTATIVE

DOUG RALEY
HOUSTON SALES

THE WESTERN COMPANY

CEMENTING RECOMMENDATION

INTERMEDIATE CSG.

OPERATOR	APACHE CORPORATION
WELL	STATE #28
LOCATION	SECTION 28, T8S & R32E
COUNTY, STATE	CHAVES, NM
FORMATION	FUSSELMAN
PREPARED BY	RANDALL EDGEMAN
DATE	MARCH 23, 1995

ANNULAR GEOMETRIES

ANNULAR I.D. (IN)	DEPTH (FT)
12.715 CASING	400
12 1/4 HOLE	3500

SUSPENDED PIPES

DIAMETER (IN)		DEPTH (FT)	WEIGHT (LB/FT)
O.D.	I.D.		
8 5/8	8.097	3500	24.000

EST. STATIC TEMP. 105 DEG F
EST. CIRC. TEMP. 93 DEG F

THE WESTERN COMPANY

CEMENTING RECOMMENDATION

INTERMEDIATE CSG.

VOLUME CALCULATIONS

400	FT X	0.4760	CU-FT/FT	WITH	0 %	EXCESS	= 190 CU-FT
2755	FT X	0.4127	CU-FT/FT	WITH	150 %	EXCESS	= 2843 CU-FT
345	FT X	0.4127	CU-FT/FT	WITH	100 %	EXCESS	= 285 CU-FT

TOTAL SLURRY VOLUME: 3318 CU-FT
591 BBLS

SLURRY NO.	VOLUME CU-FT		VOLUME FACTOR		AMOUNT AND TYPE OF CEMENT
1	3033	/	2.37	=	1285 SACKS (50:50) POZ(BASE C) + 10.000 % GEL(BENTONITE) + 5.000 % SALT + 0.25 LB/SK CELLO-SEAL + 134.000 % WATER
2	285	/	1.32	=	215 SACKS CLASS C + 56.000 % WATER

CEMENT PROPERTIES

	SLURRY NO.1	SLURRY NO.2
SLURRY WEIGHT (LB/GAL)	11.90	14.80
SLURRY YIELD (CU-FT PER SACK)	2.37	1.32
AMOUNT OF MIX WATER (GALS PER SACK)	13.51	6.32
ESTIMATED PUMP TIME (HH:MM)	4:00	2:00

Apache Corp.

Well: State #28

Co: CHAVES N.M.

		compressive strengths 12 (hr)	24 (hr)	72 (hr)
surface casing		1700	2600	3700
inter string				
	slurry 1	340	500	725
	slurry 2	900	1600	2800
long string				
stage ①	slurry 1	244	415	775
	slurry 2	2500	3000	3500
stage ②	slurry 1	300	500	700
	slurry 2	2500	3000	3500

PRODUCT DESCRIPTIONS

CLASS C CEMENT (API) [Premium Plus Cement]

Intended for use from surface to 6000 Ft., and for conditions requiring high early strength and/or sulfate resistance.

CALCIUM CHLORIDE (CaCl2)

A powdered, flaked or pelletized material used to decrease thickening time and increase the rate of strength development.

CELLO-SEAL

Graded (3/8 to 3/4 inch) cellophane flakes used as a lost circulation material.

CF-14

A fluid loss control additive which provides excellent fluid loss control for primary and squeeze cementing operations from 80 to 260 Degrees Fahrenheit (BHCT). CF-14 is compatible with up 18% salt (Sodium Chloride), Potassium Chloride, Calcium Chloride, lignosulfonate retarders and TF-4.

CF-14A

Salt or KCl compatible fluid loss control additive for cement that may reduce or eliminate the need for a retarder.

CF-2

A high molecular weight polymer used to reduce fluid loss in low and medium density cement slurries and cement slurries containing salt. It can be used at temperatures up to 200 Degrees Fahrenheit (BHCT).

DIACEL® LWL

A high molecular weight polymer used to reduce fluid loss from cement slurries. In addition to excellent fluid loss control, LWL is an effective retarder up to 240 Degrees Fahrenheit (BHCT).

®Registered Trademark of Drilling Specialties Company.

BENTONITE (GEL)

Commonly called gel, it is a clay material used as a cement extender and to control excessive free water.

CLASS H CEMENT (API) [Premium Cement]

Class H cement is an API type, all purpose oil well cement which is used without modification in wells up to 8,000 Ft. It possesses a moderate sulfate resistance With the use of accelerators or retarders, it can be used in a wide range of well depths and temperatures.

PRODUCT DESCRIPTIONS

POZ A (FLY ASH)

A synthetic pozzalon, (primarily Silicon Dioxide). When blended with cement, Poz A can be used to create lightweight cement slurries used as either a filler slurry or a sulfate resistant completion cement.

PACESETTER LITE PREMIUM [Class H (API) Cement Base]

A blend of Portland cement with Poz A at a ratio of 65:35, cement to Poz A. A small percentage of Bentonite is incorporated to help control free water. Depending on the density used, it can be a lightweight, economical filler slurry, or an intermediate density production cement. Pacesetter Lite slurries have good resistance to sulfate attack and also strength retrogression above 230 Degrees Fahrenheit (BHCT).

SODIUM CHLORIDE (NaCl)

Commonly called salt, is used to reduce damage caused by cement filtrate and to promote better bonding. At low concentration, less than 10% by weight of mixing water, it acts as an accelerator, while at concentrations greater than 15-18%, it will retard thickening time and strength development.

WMW-1

A water-base mud wash designed for use ahead of cement slurries to aid in mud and drilling debris removal and to prevent contamination of the cement slurry. It should be used only when water-base mud is used.