

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NO.

Contract No. 418

6. INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla "L"

9. WELL NO.

4-E

10. FIELD AND POOL, OR WILDCAT

Otero Gallup

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREASec. 9, T-24N, R-5W,
N.M.P.M.12. COUNTY OR
PARISH

Rio Arriba

13. STATE

New Mexico

18. ELEVATIONS (DF, REB, RT, GR, ETC.)*

6599 R.K.B.

6585

19. ELEV. CASINGHEAD

23. INTERVALS
DRILLED BY

0-7010

ROTARY TOOLS

CABLE TOOLS

25. WAS DIRECTIONAL
SURVEY MADE

No

27. WAS WELL CORRED

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Ind. Foc. Log, Comp. Dens., Gamma-Ray

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24.0#	271	12-1/4"	See Reverse Side	
5-1/2"	15.5#	7005	7-7/8"	See Reverse Side	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

See Attachment

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	See Attachment

33. PRODUCTION

DATE FIRST PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in) ~~Plugged and Abandoned~~ 3-9-83 ~~Zone A~~ ~~Zone B~~ ~~Zone C~~ ~~Zone D~~ ~~Zone E~~ ~~Zone F~~ ~~Zone G~~ ~~Zone H~~ ~~Zone I~~ ~~Zone J~~ ~~Zone K~~ ~~Zone L~~ ~~Zone M~~ ~~Zone N~~ ~~Zone O~~ ~~Zone P~~ ~~Zone Q~~ ~~Zone R~~ ~~Zone S~~ ~~Zone T~~ ~~Zone U~~ ~~Zone V~~ ~~Zone W~~ ~~Zone X~~ ~~Zone Y~~ ~~Zone Z~~ ~~Zone AA~~ ~~Zone AB~~ ~~Zone AC~~ ~~Zone AD~~ ~~Zone AE~~ ~~Zone AF~~ ~~Zone AG~~ ~~Zone AH~~ ~~Zone AI~~ ~~Zone AJ~~ ~~Zone AK~~ ~~Zone AL~~ ~~Zone AM~~ ~~Zone AN~~ ~~Zone AO~~ ~~Zone AP~~ ~~Zone AQ~~ ~~Zone AR~~ ~~Zone AS~~ ~~Zone AT~~ ~~Zone AU~~ ~~Zone AV~~ ~~Zone AW~~ ~~Zone AX~~ ~~Zone AY~~ ~~Zone AZ~~ ~~Zone BA~~ ~~Zone BB~~ ~~Zone BC~~ ~~Zone BD~~ ~~Zone BE~~ ~~Zone BF~~ ~~Zone BG~~ ~~Zone BH~~ ~~Zone BI~~ ~~Zone BJ~~ ~~Zone BK~~ ~~Zone BL~~ ~~Zone BM~~ ~~Zone BN~~ ~~Zone BO~~ ~~Zone BP~~ ~~Zone BQ~~ ~~Zone BR~~ ~~Zone BS~~ ~~Zone BT~~ ~~Zone BU~~ ~~Zone BV~~ ~~Zone BW~~ ~~Zone BX~~ ~~Zone BY~~ ~~Zone BZ~~ ~~Zone CA~~ ~~Zone CB~~ ~~Zone CC~~ ~~Zone CD~~ ~~Zone CE~~ ~~Zone CF~~ ~~Zone CG~~ ~~Zone CH~~ ~~Zone CI~~ ~~Zone CJ~~ ~~Zone CK~~ ~~Zone CL~~ ~~Zone CM~~ ~~Zone CN~~ ~~Zone CO~~ ~~Zone CP~~ ~~Zone CQ~~ ~~Zone CR~~ ~~Zone CS~~ ~~Zone CT~~ ~~Zone CU~~ ~~Zone CV~~ ~~Zone CW~~ ~~Zone CX~~ ~~Zone CY~~ ~~Zone CZ~~ ~~Zone DA~~ ~~Zone DB~~ ~~Zone DC~~ ~~Zone DD~~ ~~Zone DE~~ ~~Zone DF~~ ~~Zone DG~~ ~~Zone DH~~ ~~Zone DI~~ ~~Zone DJ~~ ~~Zone DK~~ ~~Zone DL~~ ~~Zone DM~~ ~~Zone DN~~ ~~Zone DO~~ ~~Zone DP~~ ~~Zone DQ~~ ~~Zone DR~~ ~~Zone DS~~ ~~Zone DT~~ ~~Zone DU~~ ~~Zone DV~~ ~~Zone DW~~ ~~Zone DX~~ ~~Zone DY~~ ~~Zone DZ~~ ~~Zone EA~~ ~~Zone EB~~ ~~Zone EC~~ ~~Zone ED~~ ~~Zone EE~~ ~~Zone EF~~ ~~Zone EG~~ ~~Zone EH~~ ~~Zone EI~~ ~~Zone EJ~~ ~~Zone EK~~ ~~Zone EL~~ ~~Zone EM~~ ~~Zone EN~~ ~~Zone EO~~ ~~Zone EP~~ ~~Zone EQ~~ ~~Zone ER~~ ~~Zone ES~~ ~~Zone ET~~ ~~Zone EU~~ ~~Zone EV~~ ~~Zone EW~~ ~~Zone EX~~ ~~Zone EY~~ ~~Zone EZ~~ ~~Zone FA~~ ~~Zone FB~~ ~~Zone FC~~ ~~Zone FD~~ ~~Zone FE~~ ~~Zone FF~~ ~~Zone FG~~ ~~Zone FH~~ ~~Zone FI~~ ~~Zone FJ~~ ~~Zone FK~~ ~~Zone FL~~ ~~Zone FM~~ ~~Zone FN~~ ~~Zone FO~~ ~~Zone FP~~ ~~Zone FQ~~ ~~Zone FR~~ ~~Zone FS~~ ~~Zone FT~~ ~~Zone FU~~ ~~Zone FV~~ ~~Zone FW~~ ~~Zone FX~~ ~~Zone FY~~ ~~Zone FZ~~ ~~Zone GA~~ ~~Zone GB~~ ~~Zone GC~~ ~~Zone GD~~ ~~Zone GE~~ ~~Zone GF~~ ~~Zone GG~~ ~~Zone GH~~ ~~Zone GI~~ ~~Zone GJ~~ ~~Zone GK~~ ~~Zone GL~~ ~~Zone GM~~ ~~Zone GN~~ ~~Zone GO~~ ~~Zone GP~~ ~~Zone GQ~~ ~~Zone GR~~ ~~Zone GS~~ ~~Zone GT~~ ~~Zone GU~~ ~~Zone GV~~ ~~Zone GW~~ ~~Zone GX~~ ~~Zone GY~~ ~~Zone GZ~~ ~~Zone HA~~ ~~Zone HB~~ ~~Zone HC~~ ~~Zone HD~~ ~~Zone HE~~ ~~Zone HF~~ ~~Zone HG~~ ~~Zone HH~~ ~~Zone HI~~ ~~Zone HJ~~ ~~Zone HK~~ ~~Zone HL~~ ~~Zone HM~~ ~~Zone HN~~ ~~Zone HO~~ ~~Zone HP~~ ~~Zone HQ~~ ~~Zone HR~~ ~~Zone HS~~ ~~Zone HT~~ ~~Zone HU~~ ~~Zone HV~~ ~~Zone HW~~ ~~Zone HX~~ ~~Zone HY~~ ~~Zone HZ~~ ~~Zone IA~~ ~~Zone IB~~ ~~Zone IC~~ ~~Zone ID~~ ~~Zone IE~~ ~~Zone IF~~ ~~Zone IG~~ ~~Zone IH~~ ~~Zone II~~ ~~Zone IJ~~ ~~Zone IK~~ ~~Zone IL~~ ~~Zone IM~~ ~~Zone IN~~ ~~Zone IO~~ ~~Zone IP~~ ~~Zone IQ~~ ~~Zone IR~~ ~~Zone IS~~ ~~Zone IT~~ ~~Zone IU~~ ~~Zone IV~~ ~~Zone IW~~ ~~Zone IX~~ ~~Zone IY~~ ~~Zone IZ~~ ~~Zone JA~~ ~~Zone JB~~ ~~Zone JC~~ ~~Zone JD~~ ~~Zone JE~~ ~~Zone JF~~ ~~Zone JG~~ ~~Zone JH~~ ~~Zone JI~~ ~~Zone JJ~~ ~~Zone JK~~ ~~Zone JL~~ ~~Zone JM~~ ~~Zone JN~~ ~~Zone JO~~ ~~Zone JP~~ ~~Zone JQ~~ ~~Zone JR~~ ~~Zone JS~~ ~~Zone JT~~ ~~Zone JU~~ ~~Zone JV~~ ~~Zone JW~~ ~~Zone JX~~ ~~Zone JY~~ ~~Zone JZ~~ ~~Zone KA~~ ~~Zone KB~~ ~~Zone KC~~ ~~Zone KD~~ ~~Zone KE~~ ~~Zone KF~~ ~~Zone KG~~ ~~Zone KH~~ ~~Zone KI~~ ~~Zone KJ~~ ~~Zone KK~~ ~~Zone KL~~ ~~Zone KM~~ ~~Zone KN~~ ~~Zone KO~~ ~~Zone KP~~ ~~Zone KQ~~ ~~Zone KR~~ ~~Zone KS~~ ~~Zone KT~~ ~~Zone KU~~ ~~Zone KV~~ ~~Zone KW~~ ~~Zone KX~~ ~~Zone KY~~ ~~Zone KZ~~ ~~Zone LA~~ ~~Zone LB~~ ~~Zone LC~~ ~~Zone LD~~ ~~Zone LE~~ ~~Zone LF~~ ~~Zone LG~~ ~~Zone LH~~ ~~Zone LI~~ ~~Zone LJ~~ ~~Zone LK~~ ~~Zone LL~~ ~~Zone LM~~ ~~Zone LN~~ ~~Zone LO~~ ~~Zone LP~~ ~~Zone LQ~~ ~~Zone LR~~ ~~Zone LS~~ ~~Zone LT~~ ~~Zone LU~~ ~~Zone LV~~ ~~Zone LW~~ ~~Zone LX~~ ~~Zone LY~~ ~~Zone LZ~~ ~~Zone MA~~ ~~Zone MB~~ ~~Zone MC~~ ~~Zone MD~~ ~~Zone ME~~ ~~Zone MF~~ ~~Zone MG~~ ~~Zone MH~~ ~~Zone MI~~ ~~Zone MJ~~ ~~Zone MK~~ ~~Zone ML~~ ~~Zone MM~~ ~~Zone MN~~ ~~Zone MO~~ ~~Zone MP~~ ~~Zone MQ~~ ~~Zone MR~~ ~~Zone MS~~ ~~Zone MT~~ ~~Zone MU~~ ~~Zone MV~~ ~~Zone MW~~ ~~Zone MX~~ ~~Zone MY~~ ~~Zone MZ~~ ~~Zone NA~~ ~~Zone NB~~ ~~Zone NC~~ ~~Zone ND~~ ~~Zone NE~~ ~~Zone NF~~ ~~Zone NG~~ ~~Zone NH~~ ~~Zone NI~~ ~~Zone NJ~~ ~~Zone NK~~ ~~Zone NL~~ ~~Zone NM~~ ~~Zone NN~~ ~~Zone NO~~ ~~Zone NP~~ ~~Zone NQ~~ ~~Zone NR~~ ~~Zone NS~~ ~~Zone NT~~ ~~Zone NU~~ ~~Zone NV~~ ~~Zone NW~~ ~~Zone NX~~ ~~Zone NY~~ ~~Zone NZ~~ ~~Zone OA~~ ~~Zone OB~~ ~~Zone OC~~ ~~Zone OD~~ ~~Zone OE~~ ~~Zone OF~~ ~~Zone OG~~ ~~Zone OH~~ ~~Zone OI~~ ~~Zone OJ~~ ~~Zone OK~~ ~~Zone OL~~ ~~Zone OM~~ ~~Zone ON~~ ~~Zone OO~~ ~~Zone OP~~ ~~Zone OQ~~ ~~Zone OR~~ ~~Zone OS~~ ~~Zone OT~~ ~~Zone OU~~ ~~Zone OV~~ ~~Zone OW~~ ~~Zone OX~~ ~~Zone OY~~ ~~Zone OZ~~ ~~Zone PA~~ ~~Zone PB~~ ~~Zone PC~~ ~~Zone PD~~ ~~Zone PE~~ ~~Zone PF~~ ~~Zone PG~~ ~~Zone PH~~ ~~Zone PI~~ ~~Zone PJ~~ ~~Zone PK~~ ~~Zone PL~~ ~~Zone PM~~ ~~Zone PN~~ ~~Zone PO~~ ~~Zone PP~~ ~~Zone PQ~~ ~~Zone PR~~ ~~Zone PS~~ ~~Zone PT~~ ~~Zone PU~~ ~~Zone PV~~ ~~Zone PW~~ ~~Zone PX~~ ~~Zone PY~~ ~~Zone PZ~~ ~~Zone QA~~ ~~Zone QB~~ ~~Zone QC~~ ~~Zone QD~~ ~~Zone QE~~ ~~Zone QF~~ ~~Zone QG~~ ~~Zone QH~~ ~~Zone QI~~ ~~Zone QJ~~ ~~Zone QK~~ ~~Zone QL~~ ~~Zone QM~~ ~~Zone QN~~ ~~Zone QO~~ ~~Zone QP~~ ~~Zone QQ~~ ~~Zone QR~~ ~~Zone QS~~ ~~Zone QT~~ ~~Zone QU~~ ~~Zone QV~~ ~~Zone QW~~ ~~Zone QX~~ ~~Zone QY~~ ~~Zone QZ~~ ~~Zone RA~~ ~~Zone RB~~ ~~Zone RC~~ ~~Zone RD~~ ~~Zone RE~~ ~~Zone RF~~ ~~Zone RG~~ ~~Zone RH~~ ~~Zone RI~~ ~~Zone RJ~~ ~~Zone RK~~ ~~Zone RL~~ ~~Zone RM~~ ~~Zone RN~~ ~~Zone RO~~ ~~Zone RP~~ ~~Zone RQ~~ ~~Zone RR~~ ~~Zone RS~~ ~~Zone RT~~ ~~Zone RU~~ ~~Zone RV~~ ~~Zone RW~~ ~~Zone RX~~ ~~Zone RY~~ ~~Zone RZ~~ ~~Zone SA~~ ~~Zone SB~~ ~~Zone SC~~ ~~Zone SD~~ ~~Zone SE~~ ~~Zone SF~~ ~~Zone SG~~ ~~Zone SH~~ ~~Zone SI~~ ~~Zone SJ~~ ~~Zone SK~~ ~~Zone SL~~ ~~Zone SM~~ ~~Zone SN~~ ~~Zone SO~~ ~~Zone SP~~ ~~Zone SQ~~ ~~Zone SR~~ ~~Zone SS~~ ~~Zone ST~~ ~~Zone SU~~ ~~Zone SV~~ ~~Zone SW~~ ~~Zone SX~~ ~~Zone SY~~ ~~Zone SZ~~ ~~Zone TA~~ ~~Zone TB~~ ~~Zone TC~~ ~~Zone TD~~ ~~Zone TE~~ ~~Zone TF~~ ~~Zone TG~~ ~~Zone TH~~ ~~Zone TI~~ ~~Zone TJ~~ ~~Zone TK~~ ~~Zone TL~~ ~~Zone TM~~ ~~Zone TN~~ ~~Zone TO~~ ~~Zone TP~~ ~~Zone TQ~~ ~~Zone TR~~ ~~Zone TS~~ ~~Zone TT~~ ~~Zone TU~~ ~~Zone TV~~ ~~Zone TW~~ ~~Zone TX~~ ~~Zone TY~~ ~~Zone TZ~~ ~~Zone UA~~ ~~Zone UB~~ ~~Zone UC~~ ~~Zone UD~~ ~~Zone UE~~ ~~Zone UF~~ ~~Zone UG~~ ~~Zone UH~~ ~~Zone UI~~ ~~Zone UJ~~ ~~Zone UK~~ ~~Zone UL~~ ~~Zone UM~~ ~~Zone UN~~ ~~Zone UO~~ ~~Zone UP~~ ~~Zone UQ~~ ~~Zone UR~~ ~~Zone US~~ ~~Zone UT~~ ~~Zone UU~~ ~~Zone UV~~ ~~Zone UW~~ ~~Zone UX~~ ~~Zone UY~~ ~~Zone UZ~~ ~~Zone VA~~ ~~Zone VB~~ ~~Zone VC~~ ~~Zone VD~~ ~~Zone VE~~ ~~Zone VF~~ ~~Zone VG~~ ~~Zone VH~~ ~~Zone VI~~ ~~Zone VJ~~ ~~Zone VK~~ ~~Zone VL~~ ~~Zone VM~~ ~~Zone VN~~ ~~Zone VO~~ ~~Zone VP~~ ~~Zone VQ~~ ~~Zone VR~~ ~~Zone VS~~ ~~Zone VT~~ ~~Zone VU~~ ~~Zone VV~~ ~~Zone VW~~ ~~Zone VX~~ ~~Zone VY~~ ~~Zone VZ~~ ~~Zone WA~~ ~~Zone WB~~ ~~Zone WC~~ ~~Zone WD~~ ~~Zone WE~~ ~~Zone WF~~ ~~Zone WG~~ ~~Zone WH~~ ~~Zone WI~~ ~~Zone WJ~~ ~~Zone WK~~ ~~Zone WL~~ ~~Zone WM~~ ~~Zone WN~~ ~~Zone WO~~ ~~Zone WP~~ ~~Zone WQ~~ ~~Zone WR~~ ~~Zone WS~~ ~~Zone WT~~ ~~Zone WU~~ ~~Zone WV~~ ~~Zone WW~~ ~~Zone WX~~ ~~Zone WY~~ ~~Zone WZ~~ ~~Zone XA~~ ~~Zone XB~~ ~~Zone XC~~ ~~Zone XD~~ ~~Zone XE~~ ~~Zone XF~~ ~~Zone XG~~ ~~Zone XH~~ ~~Zone XI~~ ~~Zone XJ~~ ~~Zone XK~~ ~~Zone XL~~ ~~Zone XM~~ ~~Zone XN~~ ~~Zone XO~~ ~~Zone XP~~ ~~Zone XQ~~ ~~Zone XR~~ ~~Zone XS~~ ~~Zone XT~~ ~~Zone XU~~ ~~Zone XV~~ ~~Zone XW~~ ~~Zone XX~~ ~~Zone XY~~ ~~Zone XZ~~ ~~Zone YA~~ ~~Zone YB~~ ~~Zone YC~~ ~~Zone YD~~ ~~Zone YE~~ ~~Zone YF~~ ~~Zone YG~~ ~~Zone YH~~ ~~Zone YI~~ ~~Zone YJ~~ ~~Zone YK~~ ~~Zone YL~~ ~~Zone YM~~ ~~Zone YN~~ ~~Zone YO~~ ~~Zone YP~~ ~~Zone YQ~~ ~~Zone YR~~ ~~Zone YS~~ ~~Zone YT~~ ~~Zone YU~~ ~~Zone YV~~ ~~Zone YW~~ ~~Zone YX~~ ~~Zone YY~~ ~~Zone YZ~~ ~~Zone ZA~~ ~~Zone ZB~~ ~~Zone ZC~~ ~~Zone ZD~~ ~~Zone ZE~~ ~~Zone ZF~~ ~~Zone ZG~~ ~~Zone ZH~~ ~~Zone ZI~~ ~~Zone ZJ~~ ~~Zone ZK~~ ~~Zone ZL~~ ~~Zone ZM~~ ~~Zone ZN~~ ~~Zone ZO~~ ~~Zone ZP~~ ~~Zone ZQ~~ ~~Zone ZR~~ ~~Zone ZS~~ ~~Zone ZT~~ ~~Zone ZU~~ ~~Zone ZV~~ ~~Zone ZW~~ ~~Zone ZX~~ ~~Zone ZY~~ ~~Zone ZZ~~

DATE OF TEST HOURS TESTED CHOKER SIZE PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO

FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

W. K. Cooper

TITLE Field Operations Manager

DATE June 16, 1983

*(See Instructions and Spaces for Additional Data on Reverse Side)

NMOC

FARMINGTON, N.M.

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

Item 28: 8-5/8" casing: Cemented with 236 cu. ft. Class "B" w/3% CaCl₂ and 1/4# Flocele per sack.
5-1/2" casing: Cemented first stage with 465 cu. ft. 50-50 Poz w/2% gel and 10% salt.

Cemented second stage with 313 cu. ft. 50-50 Poz w/2% gel and 6# gilsonite per sack followed by 118 cu. ft. Class "B" w/2% CaCl₂. Cemented third stage with 506 cu. ft. 65-35 Poz with 6% gel and 10# gilsonite per sack followed by 118 cu. ft. Class "B" w/2% CaCl₂.

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Base Ojo Alamo	2148	
				Pictured Cliffs	2423	
				Cliff House	3963	
				Point Lookout	4601	
				Gallup	5703	
				Base Greenhorn	6701	
				Dakota	6849	

Union Texas Petroleum

P.O. Box 808
Farmington, N.M. 87401

Union Texas Petroleum Corporation
Jicarilla "L" No. 4-E
Sec. 9, T-24N, R-5W, N.M.P.M.
Rio Arriba County, New Mexico

RECEIVED
OCT 10 1963
OIL DIV.
SPE

Item No. 31 and 32
Perforation and Fracture Record - Gallup Formation

Perforations: 5713, 17, 19, 28, 30, 32, 36, 38, 40, 68, 70, 76, 84, 86, 88,
5812, 14, 36, 38, 80, 82, 90, 93, 96, 99, 5914, 16, 18, 20
(Total of 29 - 0.34" holes).

Spotted 500 gallons of 10% acetic acid across perforations. Broke down
perforations and acidized with 4000 gallons 7-1/2% HCL. Fractured with
80,000 gallons 75 quality foam containing 63,000# 20/40 sand and 47,000#
10/20 sand.

Reperforated: 5708, 11, 15, 21, 24, 34, 38, 42, 60, 65, 70, 74, 78, 82, 86,
91, 95, 5800, 04, 08, 12, 16, 21, 25, 29, 33, 38, 42, 70, 74,
78, 86, 90, 94, 98, 5902, 06, 10, 14, 18, 22, 26, 28 (Total
of 43 - 0.34" holes).

Squeezed Gallup perforations with 177 cu. ft. Class "B" with 2% CaCl_2
followed by 177 cu. ft. Class "B" with 2% CaCl_2 and 0.5% Halad 9.