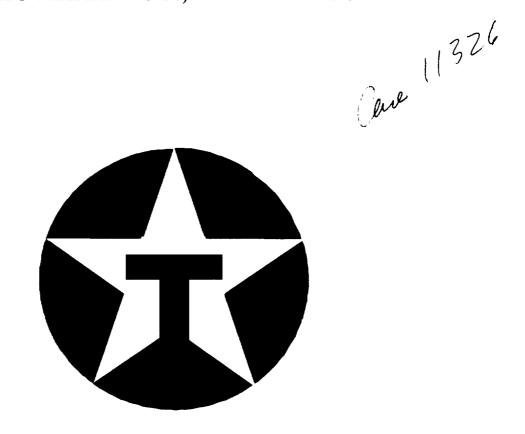
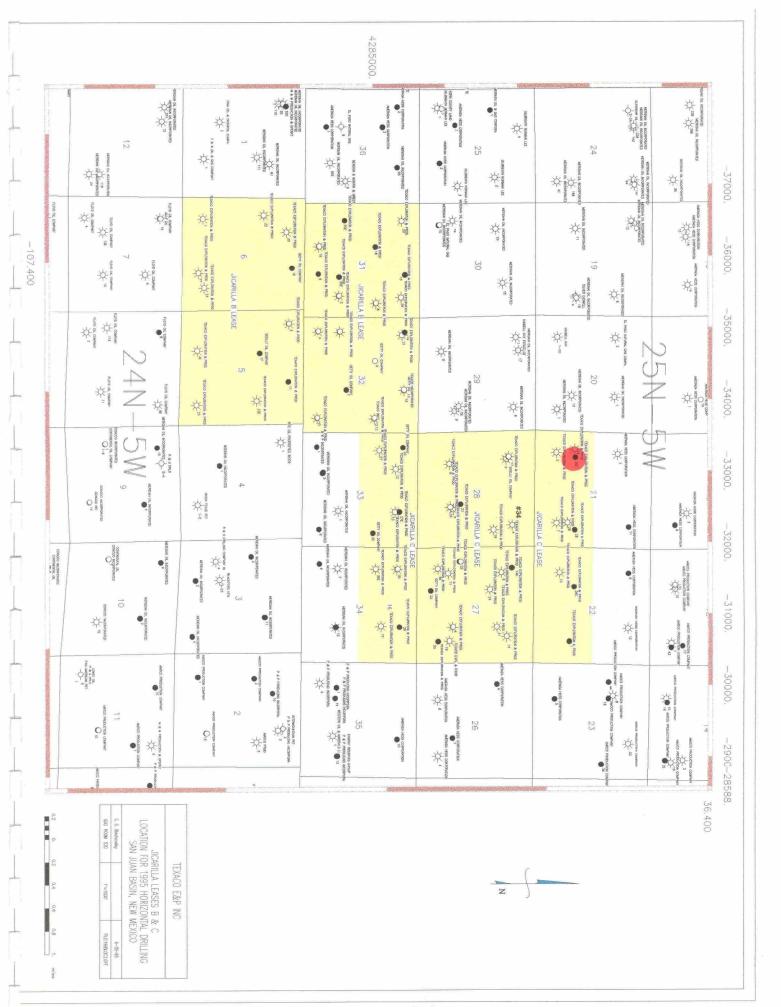
TEXACO EXPLORATION AND PRODUCTION INC.

JICARILLA C NO. 35 1850' FSL 1190' FWL SEC. 21, T25N, R5W RIO ARRIBA CO., NEW MEXICO



LIST OF EXHIBITS

- A. Land Map Location of Well/Lease
- B. Well Location and Acreage Dedication Plat (Form C-102)
- C. Offset Operator Plat
- D. List of Offset Operators
- E. Return Receipt of Notice to Offset Operators
- F. Waiver Letters From Offset Operators
- G. Gallup Structure Map
- H. Gallup Isopach Map (Upper and Lower Zones)
- I. Gallup Isopach Map (Upper Perforated Zone)
- J. Cross Section (West East)
- K. Well Schematic Current/Proposed Completion



ISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

TISTRICT II

.O. Box Drawer DD, Artesia, NM 88211-0719

DISTRICT III 1000 Rio Brazos Rd., Aztac, NM 87 .0

ISTRICT IV

.O. Box 2088, Santa Fe, NM 87504-2088

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-102

Revised February 10,199

instructions on back

Submit to Appropriate District Offic State Lease - 4 Copies

Fee Lease - 3 Copie

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 3003923433	Pool Code 3 Pool N. 39189 LINDRITH GALLUP-		WEST
Property Code	⁵ Property JICARI	•	⁶ Well No. 3 5
OGRID Number 022364	8 Operato TEXACO EXPLORATION		⁹ Elevation 6631' KB

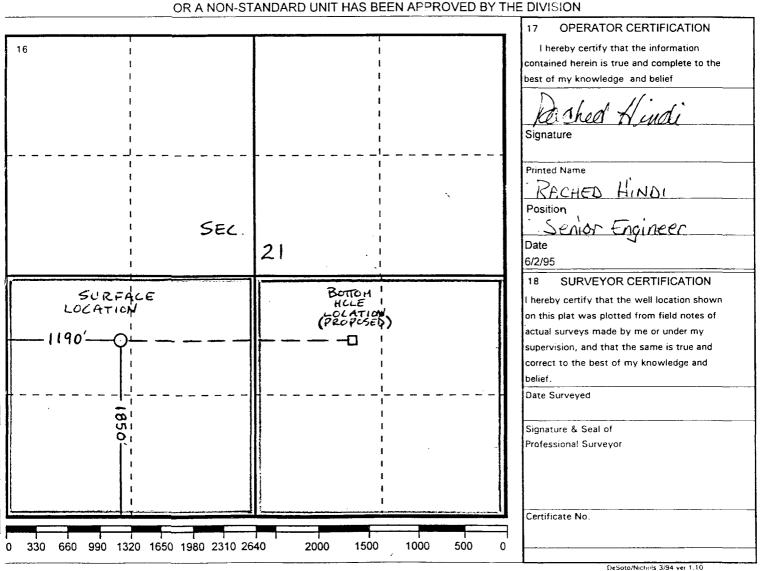
Surface Location

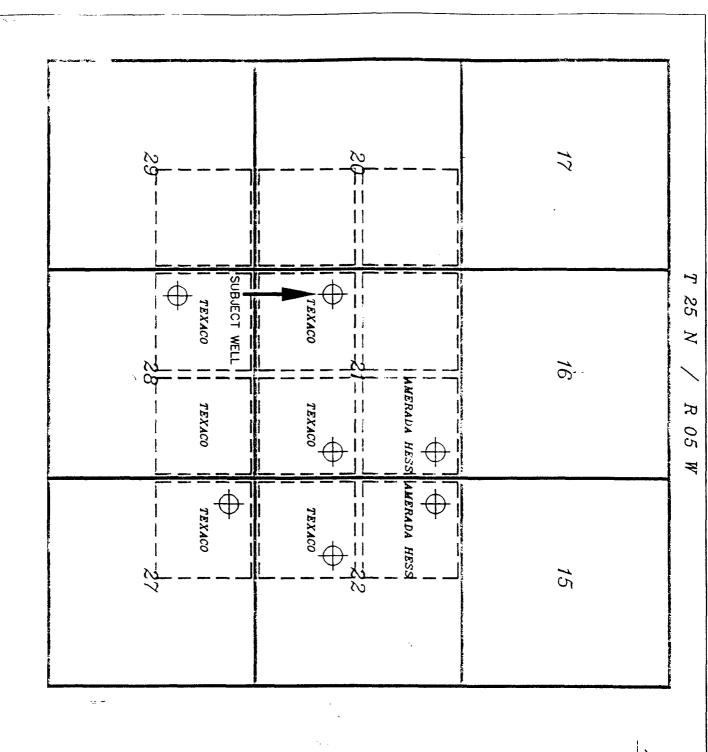
									· · · · · · · · · · · · · · · · · · ·	
ı	JI or lot no.	Section	Township F	Range	Lot.ldn	Feet From The	North/South Line	Feet From The	East/West Line	County
	L	21	25N	5W		1850	SOUTH	1190	WEST	RIO ARRIBA

Bottom Hole Location If Different From Surface

Ul or lot no. Section	Township Rang	e Lot.ldn	Feet From Th	e North/South Line	Feet From The	East/West Line	County
² Dedicated Acre	13 Joint or Infill	14 Consolidation	on Code	Order No.	<u> </u>		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION





WEST LINDRITH GALLUP/DAKOTA
180 AC. SPACING UNIT

TEXACO

FARAMAGION OPERATING UNIT

FARAMAGION OPERATING UNIT
DENVER, COLORADO

DAYAL DAKOTA

-12

Attachment E

EXHIBIT "C"

Attachment II

OFFSET OPERATORS JICARILLA C #35 WEST LINDRITH GALLUP/DAKOTA

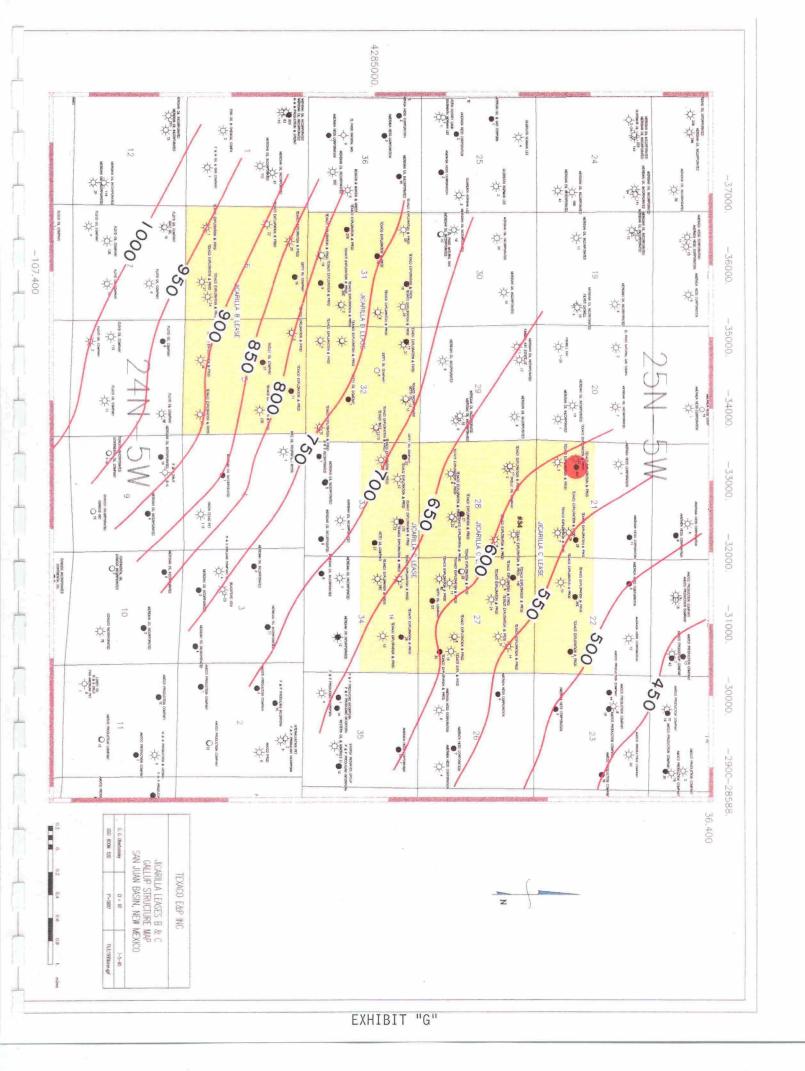
Amerada Hess Corporation P.O. Box 2040 Tulsa, OK 74102 (918)599-4252 Stachment VIII

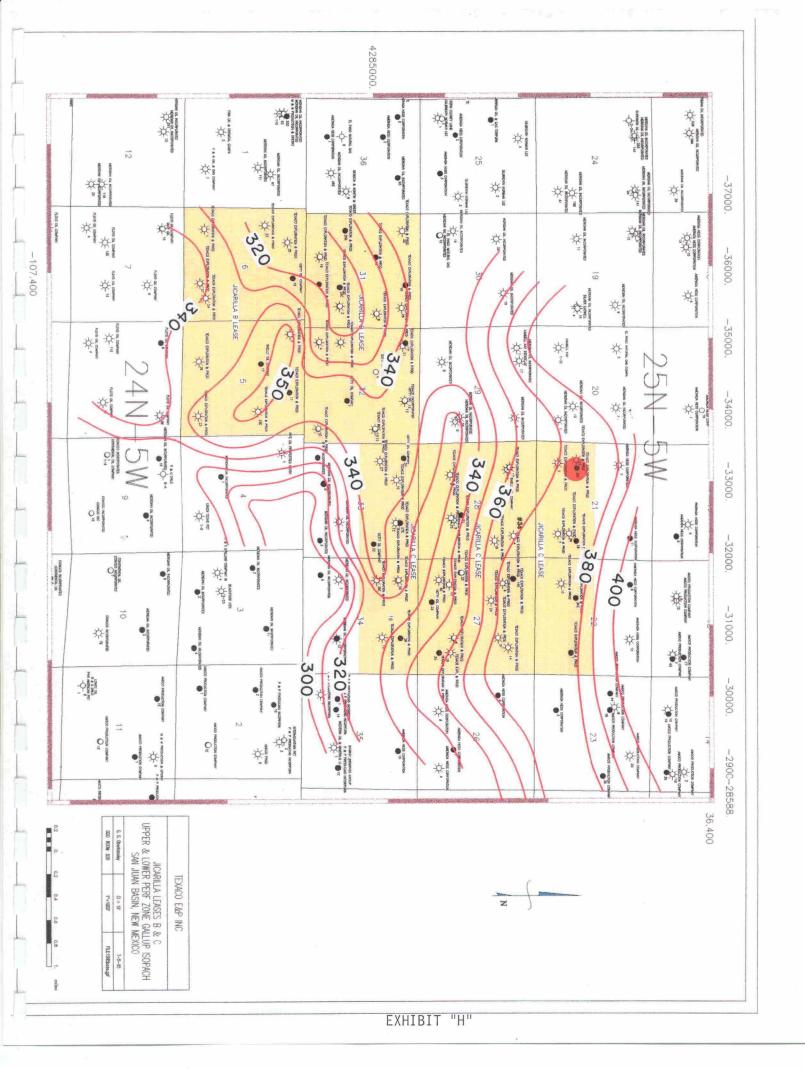
SENDER: Complete items 1 and/or 2 for additional services. Complete items 3, and 4a & b. Print your name and address on the reverse of this form so the return tijs card to you. Attach this form to the front of the mailpiece, or on the back does not permit. Write "Return Receipt Requested" on the mailpiece below the art. The Return Receipt will show to whom the article was delivered a delivered.	at we can fee): If space 1. Addressee's Address Addressee's Address Addressee's Address Addressee's Address
3. Article Addressed to: AMERADA HESS CORPORATION P.O. BOX 2040 TULSA, OK 74102	4s. Article Number 2 15 054 502 4b. Service Type Registered Insured Cortified COD Express Mail Return Receipt for Merchandise 7. Date of Deliver
5. Signature (Addressee) 6. Signature (Agent) PS Form 3811, December 1991 **U.S. GPO: 1993-35:	8. Addressee's deflets Oply it reducested and fee is paid c



JOINT VENTURES-U.S.

Texaco Exploration and Production lie 1121. 0000 N Butter May 25, 1995 Farmington NM 87401 Amerada Hess Corporation 1995 JUN -5 AM 11: 03 P.O. Box 2040 Tulsa, OK 74102 RECEIVE RE: Horizontal Re-Entry FILE.....COPY.... Jicarilla "C" No. 35 Surf Loc: 1850' FSL, 1190' FWL, Unit L L. D. JONE Sec. 21-T25N-R5W Rio Arriba County, New Mexico Gentlemen: As offset operator to the spacing unit for the referenced well, you are being notified of our application with the New Mexico Oil Conservation Division (NMOCD) to drill a short radius horizontal lateral reentry into the Gallup formation. We plan to mill out a section of casing, sidetrack, drill and complete a single 2500' short radius horizontal section (100' radius, 57 degrees/100' build) into the upper portion of the Gallup formation. The kick off point will be at approximately 5970' and the targeted total vertical depth of the horizontal lateral section is 6070'. Attached are wellbore diagrams for the current and proposed completions. The horizontal leg will be in a eastward direction, as shown on the attached location map. We expect to recover additional Gallup reserves in the adjacent W. Lindrith Gallup Dakota 160 acre spacing unit (SE quarter of section 21, T25N-R5W). The existing W. Lindrith Gallup/Dakota wellbore in the SE 1/4 of sec. 21 is currently completed in Dakota formation only. Both spacing units are included in the Texaco Exploration and Producing Inc. operated Jicarilla "C" lease. If you have no objection to the above application please sign the waiver at the bottom of this letter and return it to this address. To expedite this procedure a facsimile signed copy would be greatly appreciated. Please fax to 505-325-5398. If you do have an objection, it must be filed with the NMOCD in writing within twenty (26) days of the date this notice was received. Your attention to this matter is greatly appreciated. If you have any questions concerning this matter please contact Mr. Mark R. Reinhold at 505-325-4397 ext. 19. Sincerely, Rachad Hindi So TAT Ted A. Tipton Operating Unit Manager MRR/s Attachments ce: file WAIVER APPROVAL:





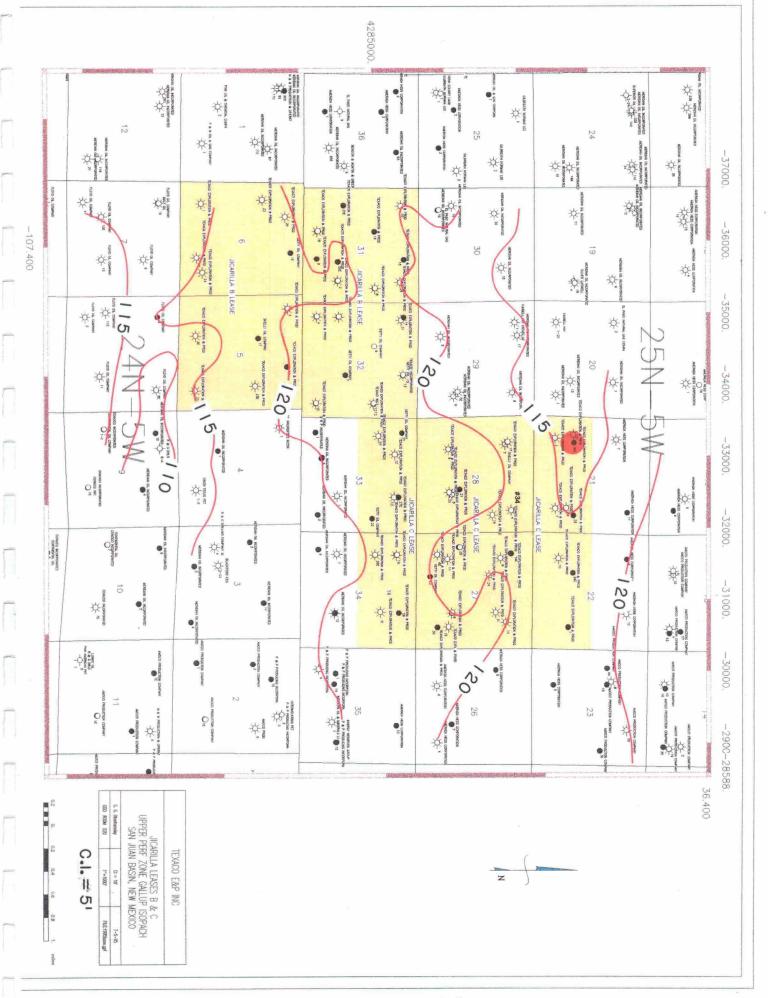


EXHIBIT "I"

5/22/95



JICARILLA C No. 35 CURRENT COMPLETION

LOCATION:

1850' FSL & 1190' FWL Sec. 21, T25N, R5W Rio Arriba, NM

SPUD DATE: 4/19/84
RECOMPL. DATE: 6/12/84

ELEVATION: 6631' KB

6619' GR

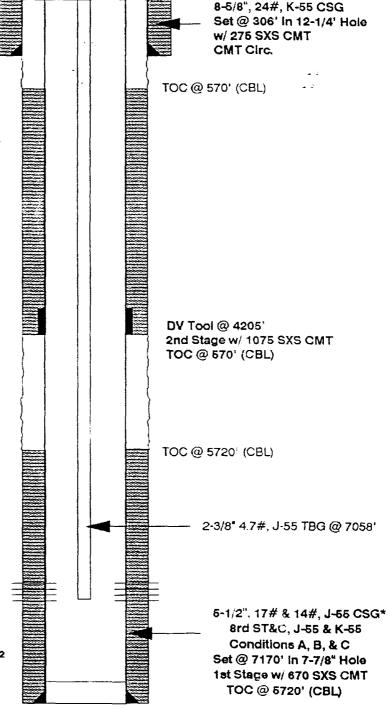
FORMATION TOPS:

Ojo Alamo 2154' (+4477')
Kirtland 2324' (+4307')
Fruitland 2462' (+4169')
Pictured Cliffs 2692' (+3939')
Chaora 3560' (+3071')
Mesaverde 4337' (+2294')
Gallup 6048' (+583')
Greenhorn 6807' (-176)
Graneros 6874' (-243)
Dakota 6906' (-275)

DAKOTA PERFS:

7028'-37', 7042'-46' 7066'-71', 7080'-90' 1 SPF, 0.40° dia. Holes Frac w/ 56,700 Gal. 70 Q Foam & 53,500# 20-40 Brady Sand

BD w/ 1400 Gat 15% HCl w/ 500 SCF/BBL N2



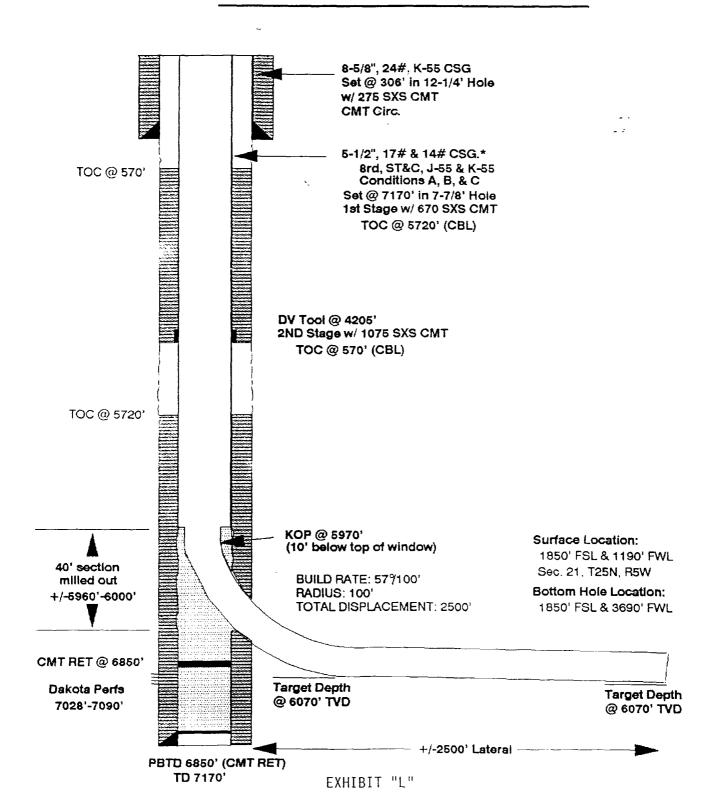
PBTD - 7130'

FXHIRIT "K"

5/25/95



JICARILLA C No. 35 PROPOSED SIDETRACK COMPLETION



Attachment I

JICARILLA "C" No. 35 HORIZONTAL SINGLE LATERAL REENTRY

The subject well is a producing well. It is to be reentered and a single horizontal lateral is to be drilled in the Gallup formation. The existing perforations will be squeeze cemented and a 40' section is to be milled in the casing. A short radius horizontal lateral will be drilled in the west direction approximately 2500' long. The well will be acidized using coiled tubing, if necessary, and then production tested.

WELL PREPARATION:

- 1) MIRUSU. Nipple up 3M BOPE.
- 2) Kill well with produced water.
- 3) TOH and lay down 2-3/8" production tubing.
- 4) TIH with 4-3/4" bit on 2-7/8" work string and clean out to PBTD. TOH.

SQUEEZE EXISTING PERFORATIONS: (A CIBP may be set instead of squeezing)

- 5) TIH with cement retainer on tubing and set above perfs (7028'-7090') at 7000'.
- Space out tubing in neutral position and test tubing to 3000 psi. Rig up squeeze manifold. Establish rate into perforations (2 BPM), note pump in pressure. Pressure up annulus to 1000 psi. monitor casing during job.
- 7) Cement squeeze with 150 sx Class "G" with 0.2% D156 and 0.2% D65 to obtain a fluid loss of 200-300 cc/30 min. (determine by lab testing) followed by 100 sx Class "G" neat, mixed at 15.8 ppg. Minimum pump time 150 minutes at 175°F.
- 8) a) Spot cement to end of tubing.
 - b) Sting into retainer.
 - c) When cement reaches perforations, slow rate to 1/2 BPM
 - d) Maximum squeeze pressure 3000 psi.
 - e) Displace cement to retainer.
- 9) Pull out of retainer, reverse out cement and check for flow. Pull tubing to 4000' and shutin for 24 hours.
- 10) Shut in backside and test casing to 500 psi.

Jicarilla "C" No. 35 Horizontal Reentry Rio Arriba County, New Mexico Drilling & Completion Procedure

MILL 5 1/2" CASING:

11) Circulate hole with mud for milling. TOH with tubing and bit.

MUD: Starch

Volume: $(6000^{\circ} * .0238 \text{ bbl/ft} = 143 \text{ bbls} + 200 \text{ bbls for pit} = 343 \text{ bbls})$

Weight: 8.5 - 8.7 Funnel Visc.: 75-80

- 12) If casing collar log is not available in Area, Run GR-CCL to determine position of collars. (Window may be moved +/- 10 to avoid milling a casing collar).
- TIH with mill for 5 1/2" casing on 2 7/8" workstring. Mill 40' section of casing from +/-5960' 6000'. While milling, run paper sweeps in the mud to ensure the hole is clean. Place ditch magnets in return lines to catch metal cuttings. Any time a trip is made, make sure the hole is clean and the blades are retracted.
- 14) TOH with mill.

SPOT KICK OFF PLUG:

- 15) TIH with diverter tool and +/- 400' 2 3/8" (2 1/16" if available) on 2 7/8" work string to 6010'. Circulate Starch mud out of hole. Pull up hole so diverter tool is across milled section and wash section. TIH to PBTD.
- Spot 50 sx Class "G" mixed at 17.5 PPG from 5760' to +/- 6010' (200' above window). Batch mix cement. Pull out of cement plug slow to approximately 4000'. **Do not reverse circulate**. Shut in for 24 hours minimum. TOH with tubing.
- 17) TIH with 4 3/4" bit and dress off cement to the KOP at 5970'. TOH with 4 3/4" bit. Cement must drill 1.5-2 min/ft with 10 pts and 50 RPM to insure the plug is hard enough for kickoff.
- 18) Circulate hole clean.

Jicarilla "C" No. 35 Horizontal Reentry Rio Arriba County, New Mexico Drilling & Completion Procedure

DRILL CURVE SECTION (WEST DIRECTION):

19) Displace hole with starch mud. TOH with bit.

MUD:

Starch

Volume:

(6000' * .0238 bbl/ft + 200 bbls for pit + 2500' * .0219 bbl/ft)

(143 bbls + 200 bbls + 55 bbls = 398 bbls)

Weight:

8.7

Funel Visc.:

35-40

20) Pick up kick-off motor and test on surface. TIH with kick-off BHA s follows:

4 3/4" bit.

Kick-off motor (with 2.5-3.0° bent sub)

Float/ orientation sub.

1 it 2 7/8" flexible monel collars.

Enough P-110 tubing to reach from KOP to end of planned horizontal wellbore.

Drill collars

2 7/8", Grade G, AOH DP. to surface.

- 21) TIH to KOP (5970'). Run GYRO and Orient motor to west direction. Break circulation and establish off bottom pressure at operating flow rates. Planned build rate is 57°/100' with a radius of 100'.
- Slowly lower motor to bottom, adjusting toolface as necessary to compensate for reactive torque. Drill approximately 20' of build section with kick-off motor. TOH with kick-off motor and lay down. Pick up build motor (3 restricted articulations to maintain build rates below 70°/100') and TIH. Continue drilling curve while maintaining proper toolface orientation. Drill curve section to **target depth of 6070' TVD** for start of horizontal.
- 23) Circulate hole clean. TOH with curve motor.

DRILL HORIZONTAL LATERAL (WEST DIRECTION):

24) TIH with lateral motor BHA. (Same as step 22 but motor has lower build rate.)

Jicarilla "C" No. 35 Horizontal Reentry Rio Arriba County, New Mexico Drilling & Completion Procedure

- Drill the horizontal lateral (2500') adjusting tool face as needed to the target. The end of the horizontal target depth is 6070' TVD. There is a window around the target line which the well path is to stay within. (see attached well plan for well path and hardlines). While drilling the lateral section, run sweeps of 5 bbls. water, 3 bbls prehydrated gel (90+ viscosity), and 1 gallon polymer.
- 26) At TD circulate hole clean with mud. TOH. Release directional equipment.

COMPLETION:

- 27) TIH with muleshoe, 6 jts P-110 tbg and 5-1/2" casing on 2 7/8" tubing. Space out so P-110 tubing is across curve section and packer is in the casing. Set the packer.
- 28) Rig up coiled tubing unit. TIH with "PERFCLEAN" jetting sub on 1 1/2" coiled tubing to TD. Circulate mud out of hole
- Wash 1st lateral open hole with 25,000 gallons 15% NEFE. Rate 2 BPM. POH with coiled tubing while acidizing so entire open hole is stimulated.
- 30) Displace acid to the end of the tubing. SI for 15 min.
- 31) Flow well until dead. TOH with coiled tubing.
- 32) TOH with workstring. TIH with production equipment and test well as needed.